# A reconstruction of Peters's table of 7-place logarithms (volume 2, 1940)

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# A reconstruction of Peters's table of 7-place logarithms (volume 2, 1940)

**Denis Roegel**

**29 August 2016**

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# 1 Peters's tables of 7-place logarithms (1940)

Johann Theodor Peters (1869–1941) was a German astronomer and computer of mathematical and astronomical tables. In 1910 and 1911, together with Julius Bauschinger, he published the first widely available 8-place table of logarithms [15]. This work was the basis of many later tables, most of which have been reconstructed by us.[1]

The 8-place table was itself based on a 12-place manuscript table, which was again used by Peters in the preparation of a new 7-place table of logarithms of trigonometrical functions for every second of the quadrant in 1911 [36].

In 1919 and 1922, Peters published a 10-place table of logarithms [42, 41, 45], and 6 and 7-place tables of logarithms of trigonometrical functions at 0°.001 intervals in 1921 [43, 44].

The present table comprises two volumes and was published in 1940 [56]. Here we describe only the second volume, together with its reconstruction. The first volume, covering the logarithms of numbers, antilogarithms, as well as addition and subtraction logarithms, is described separately [85].

# 2 Logarithms of trigonometrical functions

This volume gives 7-place values of the logarithms of sines, cosines, tangents and cotangents for each 10000th or 1000th of the centesimal degree. Peters uses the notation $3^{g}12^{c}27^{cc}$ for the angle corresponding to 3 centesimal degrees, 12 centesimal minutes and 27 centesimal seconds.

From $0^{g}$ to $0^{g}20^{c}$, log sin and log tan are given to seven places with a range of $2^{c}$ per page and every 10000th of a centesimal degree, that is every $1^{cc}$. From $0^{g}20^{c}$ to$3^{g}$, log sin and log tan are given to seven places but with a range of $5^{c}$ per page, also every $1^{cc}$.

Then, from $0^{g}$ to $3^{g}$, the logarithms of the sines, cosines, tangents, cotangents, as well as the auxiliary functions $S$ and $T$, are given only every $10^{cc}$, with a range of $5^{c}$ per page. The functions $S$ and $T$ are defined by

$$S(\alpha) = \log\left(\frac{\sin\alpha}{\alpha}\right) + 10 \tag{1}$$

$$T(\alpha) = \log\left(\frac{\tan\alpha}{\alpha}\right) + 10 \tag{2}$$

where the angle $\alpha$ is expressed in centesimal degrees. $S$ and $T$ are easier to interpolate than log sin and log tan for small angles, and from their values the values of log sin and log tan can be derived.

From $3^{g}$ to $50^{g}$, the logarithms of the functions $S$ and $T$ are no longer given, and the range is $10^{c}$ per page.

This volume is based on the 10-place table of logarithms published by Peters in 1919 [42]. That table gave the logarithms of the trigonometric functions to ten places at 0°.001 intervals. The quadrant was divided in $90 \times 1000 = 90000$ parts. In the present volume, the quadrant is divided in $100 \times 1000 = 100000$ parts, and the interval is even

[1] For more information on Peters's tables, we refer the reader to our summary [93].

ten times smaller for the first three centesimal degrees. Peters first took every ninth value from the 10-place table, hence divided the quadrant in 10000 parts. Then, he interpolated nine values between each of these values, thus dividing the quadrant in 100000 parts. This method was applied to the logarithms of cosines from $0^{\mathrm{g}}$ to $50^{\mathrm{g}}$, and to the logarithms of sines and tangents from $3^{\mathrm{g}}$ to $50^{\mathrm{g}}$. The values of $\log\cot$ were obtained by subtracting the values of $\log\tan$ from 10:

$$\log\cot\alpha = -\log\tan\alpha = 10 - (\log\tan\alpha + 10) \tag{3}$$

From $0^{\mathrm{g}}$ to $3^{\mathrm{g}}$, the values of $S$ and $T$ were computed. These functions could have been computed using the series

$$S = \log(\operatorname{arc} 1^{\mathrm{g}}) - \frac{1}{6}M(\operatorname{arc} 1^{\mathrm{g}})^2 \cdot w^2 - \frac{1}{180}M(\operatorname{arc} 1^{\mathrm{g}})^4 \cdot w^4 - \frac{1}{2835}M(\operatorname{arc} 1^{\mathrm{g}})^6 \cdot w^6 - \cdots \tag{4}$$

$$T = \log(\operatorname{arc} 1^{\mathrm{g}}) + \frac{1}{3}M(\operatorname{arc} 1^{\mathrm{g}})^2 \cdot w^2 + \frac{7}{90}M(\operatorname{arc} 1^{\mathrm{g}})^4 \cdot w^4 + \frac{62}{2835}M(\operatorname{arc} 1^{\mathrm{g}})^6 \cdot w^6 + \cdots \tag{5}$$

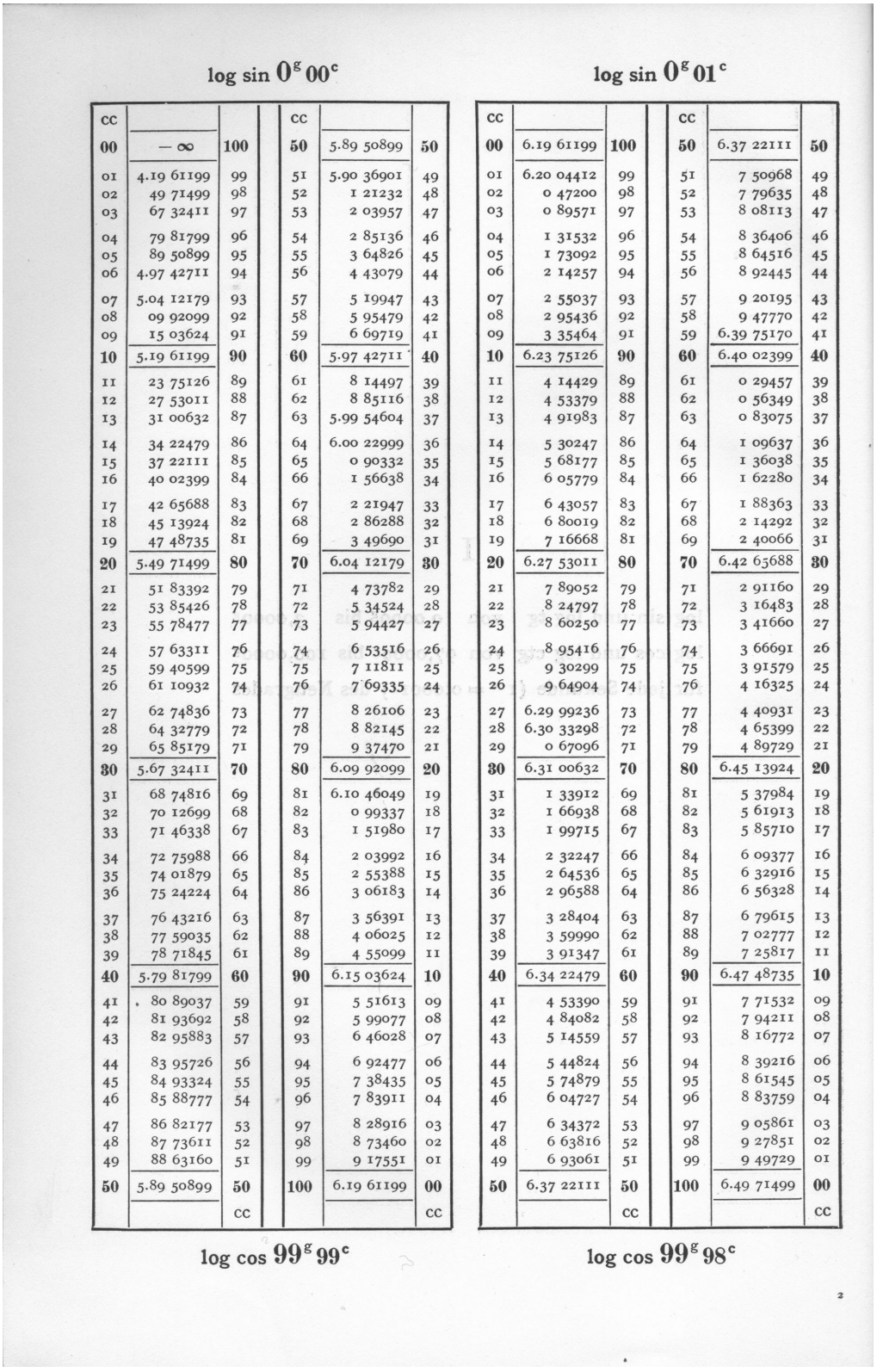
where $w$ is given in centesimal degrees and $\operatorname{arc} 1^{\mathrm{g}}$ is the length of an arc of $1^{\mathrm{g}}$, that is $\operatorname{arc} 1^{\mathrm{g}} = \frac{\pi}{200}$. Equivalent formulæ had incidentally been used in the famed *Tables du cadastre* constructed 150 years earlier [71].

However, since the values of $S$ and $T$ had already been computed to twelve places when preparing the 10-place tables [42], they were reused here, by adding $\log 0.9$ in order to adapt the values to the new division, and again interpolated. Once $S$ and $T$ had been obtained, the values of $\log\sin$ and $\log\tan$ were derived.

After 7-place values had been extracted from these interpolations, there might still have been errors of up to 0.005 units of the seventh place, and the values were then compared to those published in 1891 by the French *Service géographique de l'armée* [98]. In that process, only two errors were found in the trigonometrical part of these tables.

For a review of this volume, see Archibald [8].

Figure 1: Cover of Peters's table.



log sin $0^g\,00^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| 00 | $-\infty$ | 100 | 50 | 5.89 50899 | 50 |
| 01 | 4.19 61199 | 99 | 51 | 5.90 36901 | 49 |
| 02 | 49 71499 | 98 | 52 | 1 21232 | 48 |
| 03 | 67 32411 | 97 | 53 | 2 03957 | 47 |
| 04 | 79 81799 | 96 | 54 | 2 85136 | 46 |
| 05 | 89 50899 | 95 | 55 | 3 64826 | 45 |
| 06 | 4.97 42711 | 94 | 56 | 4 43079 | 44 |
| 07 | 5.04 12179 | 93 | 57 | 5 19947 | 43 |
| 08 | 09 92099 | 92 | 58 | 5 95479 | 42 |
| 09 | 15 03624 | 91 | 59 | 6 69719 | 41 |
| 10 | 5.19 61199 | 90 | 60 | 5.97 42711 | 40 |
| 11 | 23 75126 | 89 | 61 | 8 14497 | 39 |
| 12 | 27 53011 | 88 | 62 | 8 85116 | 38 |
| 13 | 31 00632 | 87 | 63 | 5.99 54604 | 37 |
| 14 | 34 22479 | 86 | 64 | 6.00 22999 | 36 |
| 15 | 37 22111 | 85 | 65 | 0 90332 | 35 |
| 16 | 40 02399 | 84 | 66 | 1 56638 | 34 |
| 17 | 42 65688 | 83 | 67 | 2 21947 | 33 |
| 18 | 45 13924 | 82 | 68 | 2 86288 | 32 |
| 19 | 47 48735 | 81 | 69 | 3 49690 | 31 |
| 20 | 5.49 71499 | 80 | 70 | 6.04 12179 | 30 |
| 21 | 51 83392 | 79 | 71 | 4 73782 | 29 |
| 22 | 53 85426 | 78 | 72 | 5 34524 | 28 |
| 23 | 55 78477 | 77 | 73 | 5 94427 | 27 |
| 24 | 57 63311 | 76 | 74 | 6 53516 | 26 |
| 25 | 59 40599 | 75 | 75 | 7 11811 | 25 |
| 26 | 61 10932 | 74 | 76 | 7 69335 | 24 |
| 27 | 62 74836 | 73 | 77 | 8 26106 | 23 |
| 28 | 64 32779 | 72 | 78 | 8 82145 | 22 |
| 29 | 65 85179 | 71 | 79 | 9 37470 | 21 |
| 30 | 5.67 32411 | 70 | 80 | 6.09 92099 | 20 |
| 31 | 68 74816 | 69 | 81 | 6.10 46049 | 19 |
| 32 | 70 12699 | 68 | 82 | 0 99337 | 18 |
| 33 | 71 46338 | 67 | 83 | 1 51980 | 17 |
| 34 | 72 75988 | 66 | 84 | 2 03992 | 16 |
| 35 | 74 01879 | 65 | 85 | 2 55388 | 15 |
| 36 | 75 24224 | 64 | 86 | 3 06183 | 14 |
| 37 | 76 43216 | 63 | 87 | 3 56391 | 13 |
| 38 | 77 59035 | 62 | 88 | 4 06025 | 12 |
| 39 | 78 71845 | 61 | 89 | 4 55099 | 11 |
| 40 | 5.79 81799 | 60 | 90 | 6.15 03624 | 10 |
| 41 | 80 89037 | 59 | 91 | 5 51613 | 09 |
| 42 | 81 93692 | 58 | 92 | 5 99077 | 08 |
| 43 | 82 95883 | 57 | 93 | 6 46028 | 07 |
| 44 | 83 95726 | 56 | 94 | 6 92477 | 06 |
| 45 | 84 93324 | 55 | 95 | 7 38435 | 05 |
| 46 | 85 88777 | 54 | 96 | 7 83911 | 04 |
| 47 | 86 82177 | 53 | 97 | 8 28916 | 03 |
| 48 | 87 73611 | 52 | 98 | 8 73460 | 02 |
| 49 | 88 63160 | 51 | 99 | 9 17551 | 01 |
| 50 | 5.89 50899 | 50 | 100 | 6.19 61199 | 00 |
| | | cc | | | cc |

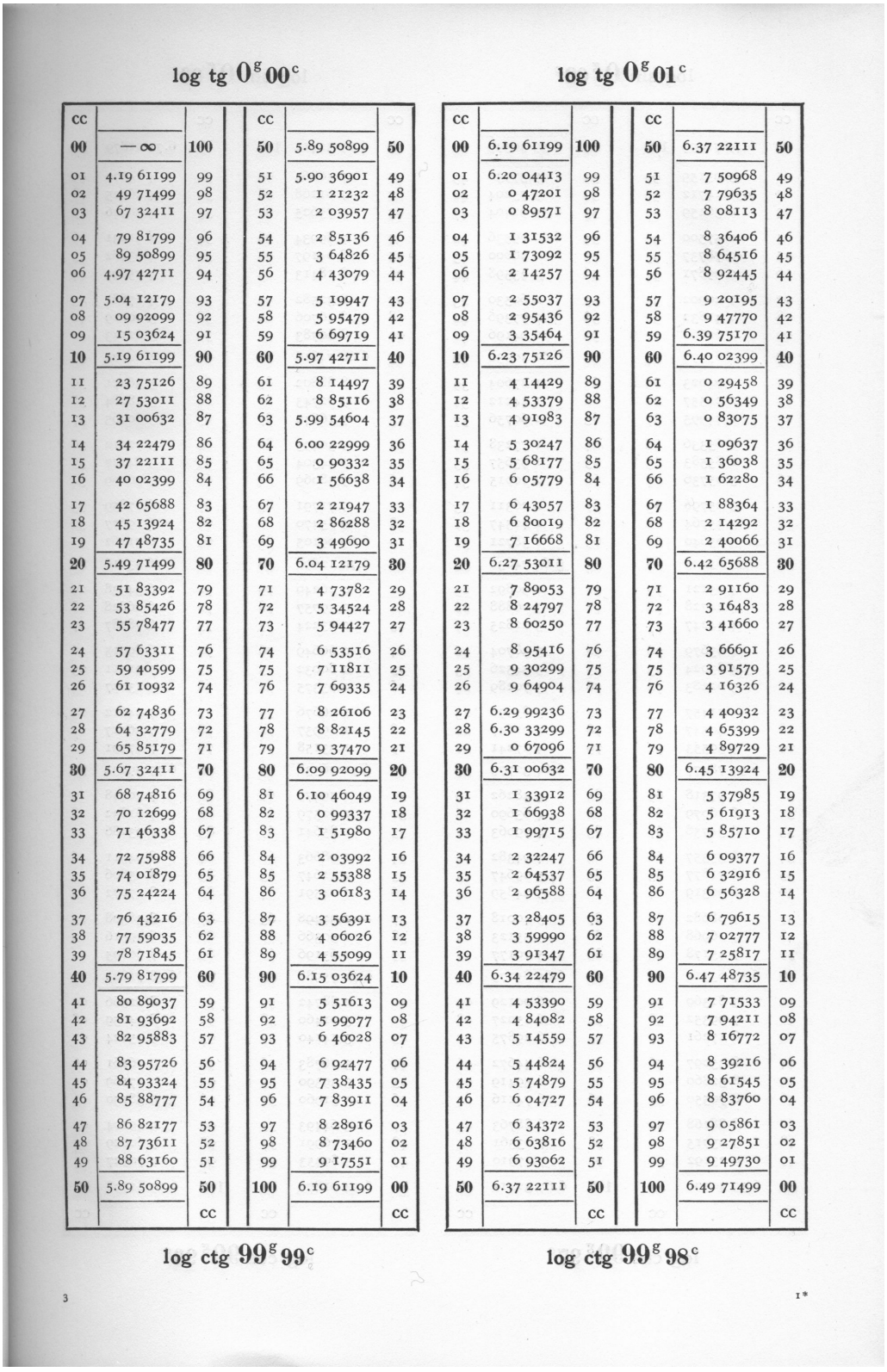
log sin $0^g\,01^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| 00 | 6.19 61199 | 100 | 50 | 6.37 22111 | 50 |
| 01 | 6.20 04412 | 99 | 51 | 7 50968 | 49 |
| 02 | 0 47200 | 98 | 52 | 7 79635 | 48 |
| 03 | 0 89571 | 97 | 53 | 8 08113 | 47 |
| 04 | 1 31532 | 96 | 54 | 8 36406 | 46 |
| 05 | 1 73092 | 95 | 55 | 8 64516 | 45 |
| 06 | 2 14257 | 94 | 56 | 8 92445 | 44 |
| 07 | 2 55037 | 93 | 57 | 9 20195 | 43 |
| 08 | 2 95436 | 92 | 58 | 9 47770 | 42 |
| 09 | 3 35464 | 91 | 59 | 6.39 75170 | 41 |
| 10 | 6.23 75126 | 90 | 60 | 6.40 02399 | 40 |
| 11 | 4 14429 | 89 | 61 | 0 29457 | 39 |
| 12 | 4 53379 | 88 | 62 | 0 56349 | 38 |
| 13 | 4 91983 | 87 | 63 | 0 83075 | 37 |
| 14 | 5 30247 | 86 | 64 | 1 09637 | 36 |
| 15 | 5 68177 | 85 | 65 | 1 36038 | 35 |
| 16 | 6 05779 | 84 | 66 | 1 62280 | 34 |
| 17 | 6 43057 | 83 | 67 | 1 88363 | 33 |
| 18 | 6 80019 | 82 | 68 | 2 14292 | 32 |
| 19 | 7 16668 | 81 | 69 | 2 40066 | 31 |
| 20 | 6.27 53011 | 80 | 70 | 6.42 65688 | 30 |
| 21 | 7 89052 | 79 | 71 | 2 91160 | 29 |
| 22 | 8 24797 | 78 | 72 | 3 16483 | 28 |
| 23 | 8 60250 | 77 | 73 | 3 41660 | 27 |
| 24 | 8 95416 | 76 | 74 | 3 66691 | 26 |
| 25 | 9 30299 | 75 | 75 | 3 91579 | 25 |
| 26 | 9 64904 | 74 | 76 | 4 16325 | 24 |
| 27 | 6.29 99236 | 73 | 77 | 4 40931 | 23 |
| 28 | 6.30 33298 | 72 | 78 | 4 65399 | 22 |
| 29 | 0 67096 | 71 | 79 | 4 89729 | 21 |
| 30 | 6.31 00632 | 70 | 80 | 6.45 13924 | 20 |
| 31 | 1 33912 | 69 | 81 | 5 37984 | 19 |
| 32 | 1 66938 | 68 | 82 | 5 61913 | 18 |
| 33 | 1 99715 | 67 | 83 | 5 85710 | 17 |
| 34 | 2 32247 | 66 | 84 | 6 09377 | 16 |
| 35 | 2 64536 | 65 | 85 | 6 32916 | 15 |
| 36 | 2 96588 | 64 | 86 | 6 56328 | 14 |
| 37 | 3 28404 | 63 | 87 | 6 79615 | 13 |
| 38 | 3 59990 | 62 | 88 | 7 02777 | 12 |
| 39 | 3 91347 | 61 | 89 | 7 25817 | 11 |
| 40 | 6.34 22479 | 60 | 90 | 6.47 48735 | 10 |
| 41 | 4 53390 | 59 | 91 | 7 71532 | 09 |
| 42 | 4 84082 | 58 | 92 | 7 94211 | 08 |
| 43 | 5 14559 | 57 | 93 | 8 16772 | 07 |
| 44 | 5 44824 | 56 | 94 | 8 39216 | 06 |
| 45 | 5 74879 | 55 | 95 | 8 61545 | 05 |
| 46 | 6 04727 | 54 | 96 | 8 83759 | 04 |
| 47 | 6 34372 | 53 | 97 | 9 05861 | 03 |
| 48 | 6 63816 | 52 | 98 | 9 27851 | 02 |
| 49 | 6 93061 | 51 | 99 | 9 49729 | 01 |
| 50 | 6.37 22111 | 50 | 100 | 6.49 71499 | 00 |
| | | cc | | | cc |

log cos $99^g\,99^c$

log cos $99^g\,98^c$

Figure 2: Excerpt of Peters's table.



log tg $0^g\,00^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| 00 | $-\infty$ | 100 | 50 | 5.89 50899 | 50 |
| 01 | 4.19 61199 | 99 | 51 | 5.90 36901 | 49 |
| 02 | 49 71499 | 98 | 52 | 1 21232 | 48 |
| 03 | 67 32411 | 97 | 53 | 2 03957 | 47 |
| 04 | 79 81799 | 96 | 54 | 2 85136 | 46 |
| 05 | 89 50899 | 95 | 55 | 3 64826 | 45 |
| 06 | 4.97 42711 | 94 | 56 | 4 43079 | 44 |
| 07 | 5.04 12179 | 93 | 57 | 5 19947 | 43 |
| 08 | 09 92099 | 92 | 58 | 5 95479 | 42 |
| 09 | 15 03624 | 91 | 59 | 6 69719 | 41 |
| 10 | 5.19 61199 | 90 | 60 | 5.97 42711 | 40 |
| 11 | 23 75126 | 89 | 61 | 8 14497 | 39 |
| 12 | 27 53011 | 88 | 62 | 8 85116 | 38 |
| 13 | 31 00632 | 87 | 63 | 5.99 54604 | 37 |
| 14 | 34 22479 | 86 | 64 | 6.00 22999 | 36 |
| 15 | 37 22111 | 85 | 65 | 0 90332 | 35 |
| 16 | 40 02399 | 84 | 66 | 1 56638 | 34 |
| 17 | 42 65688 | 83 | 67 | 2 21947 | 33 |
| 18 | 45 13924 | 82 | 68 | 2 86288 | 32 |
| 19 | 47 48735 | 81 | 69 | 3 49690 | 31 |
| 20 | 5.49 71499 | 80 | 70 | 6.04 12179 | 30 |
| 21 | 51 83392 | 79 | 71 | 4 73782 | 29 |
| 22 | 53 85426 | 78 | 72 | 5 34524 | 28 |
| 23 | 55 78477 | 77 | 73 | 5 94427 | 27 |
| 24 | 57 63311 | 76 | 74 | 6 53516 | 26 |
| 25 | 59 40599 | 75 | 75 | 7 11811 | 25 |
| 26 | 61 10932 | 74 | 76 | 7 69335 | 24 |
| 27 | 62 74836 | 73 | 77 | 8 26106 | 23 |
| 28 | 64 32779 | 72 | 78 | 8 82145 | 22 |
| 29 | 65 85179 | 71 | 79 | 9 37470 | 21 |
| 30 | 5.67 32411 | 70 | 80 | 6.09 92099 | 20 |
| 31 | 68 74816 | 69 | 81 | 6.10 46049 | 19 |
| 32 | 70 12699 | 68 | 82 | 0 99337 | 18 |
| 33 | 71 46338 | 67 | 83 | 1 51980 | 17 |
| 34 | 72 75988 | 66 | 84 | 2 03992 | 16 |
| 35 | 74 01879 | 65 | 85 | 2 55388 | 15 |
| 36 | 75 24224 | 64 | 86 | 3 06183 | 14 |
| 37 | 76 43216 | 63 | 87 | 3 56391 | 13 |
| 38 | 77 59035 | 62 | 88 | 4 06026 | 12 |
| 39 | 78 71845 | 61 | 89 | 4 55099 | 11 |
| 40 | 5.79 81799 | 60 | 90 | 6.15 03624 | 10 |
| 41 | 80 89037 | 59 | 91 | 5 51613 | 09 |
| 42 | 81 93692 | 58 | 92 | 5 99077 | 08 |
| 43 | 82 95883 | 57 | 93 | 6 46028 | 07 |
| 44 | 83 95726 | 56 | 94 | 6 92477 | 06 |
| 45 | 84 93324 | 55 | 95 | 7 38435 | 05 |
| 46 | 85 88777 | 54 | 96 | 7 83911 | 04 |
| 47 | 86 82177 | 53 | 97 | 8 28916 | 03 |
| 48 | 87 73611 | 52 | 98 | 8 73460 | 02 |
| 49 | 88 63160 | 51 | 99 | 9 17551 | 01 |
| 50 | 5.89 50899 | 50 | 100 | 6.19 61199 | 00 |
| | | cc | | | cc |

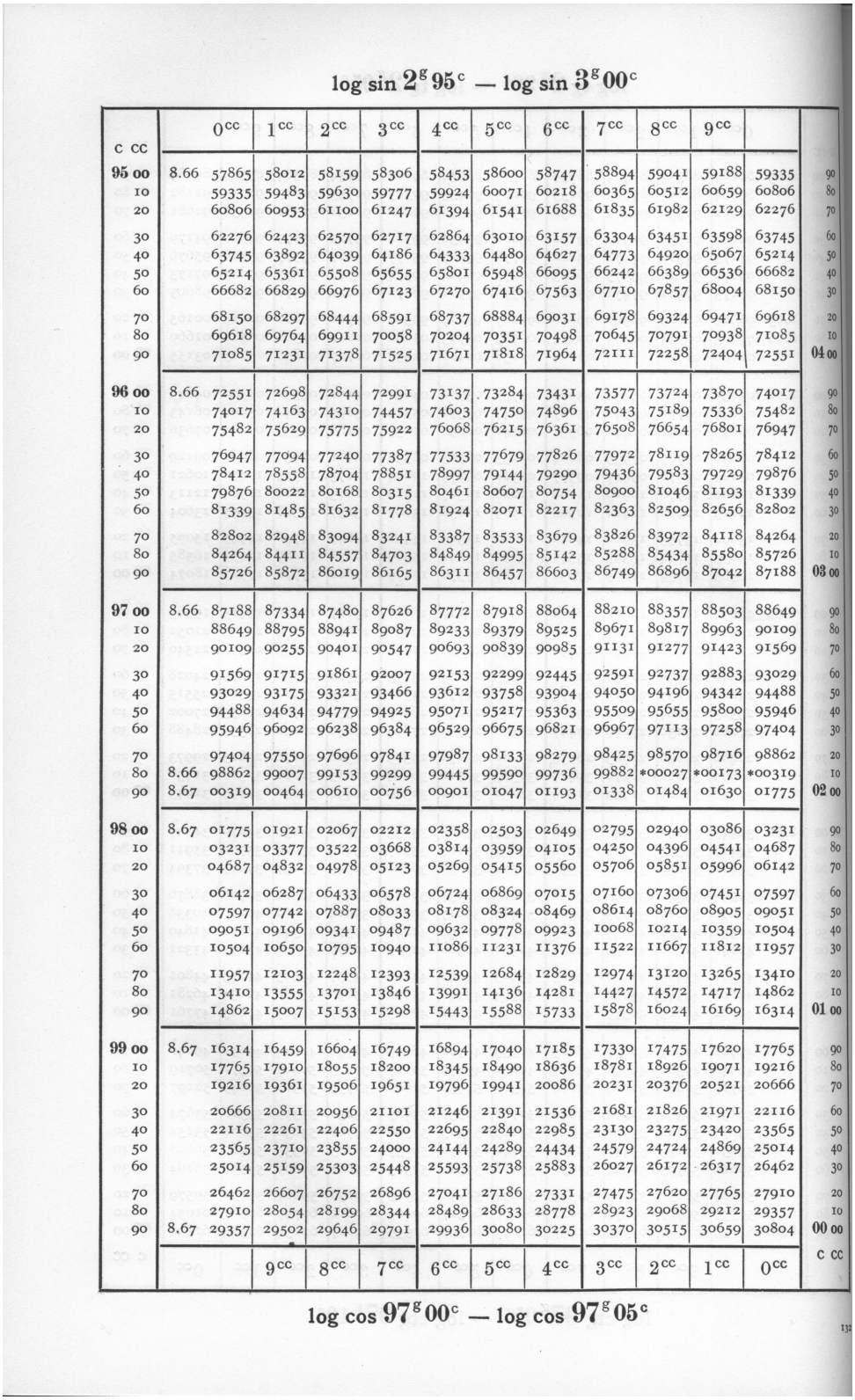
log ctg $99^g\,99^c$

log tg $0^g\,01^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| 00 | 6.19 61199 | 100 | 50 | 6.37 22111 | 50 |
| 01 | 6.20 04413 | 99 | 51 | 7 50968 | 49 |
| 02 | 0 47201 | 98 | 52 | 7 79635 | 48 |
| 03 | 0 89571 | 97 | 53 | 8 08113 | 47 |
| 04 | 1 31532 | 96 | 54 | 8 36406 | 46 |
| 05 | 1 73092 | 95 | 55 | 8 64516 | 45 |
| 06 | 2 14257 | 94 | 56 | 8 92445 | 44 |
| 07 | 2 55037 | 93 | 57 | 9 20195 | 43 |
| 08 | 2 95436 | 92 | 58 | 9 47770 | 42 |
| 09 | 3 35464 | 91 | 59 | 6.39 75170 | 41 |
| 10 | 6.23 75126 | 90 | 60 | 6.40 02399 | 40 |
| 11 | 4 14429 | 89 | 61 | 0 29458 | 39 |
| 12 | 4 53379 | 88 | 62 | 0 56349 | 38 |
| 13 | 4 91983 | 87 | 63 | 0 83075 | 37 |
| 14 | 5 30247 | 86 | 64 | 1 09637 | 36 |
| 15 | 5 68177 | 85 | 65 | 1 36038 | 35 |
| 16 | 6 05779 | 84 | 66 | 1 62280 | 34 |
| 17 | 6 43057 | 83 | 67 | 1 88364 | 33 |
| 18 | 6 80019 | 82 | 68 | 2 14292 | 32 |
| 19 | 7 16668 | 81 | 69 | 2 40066 | 31 |
| 20 | 6.27 53011 | 80 | 70 | 6.42 65688 | 30 |
| 21 | 7 89053 | 79 | 71 | 2 91160 | 29 |
| 22 | 8 24797 | 78 | 72 | 3 16483 | 28 |
| 23 | 8 60250 | 77 | 73 | 3 41660 | 27 |
| 24 | 8 95416 | 76 | 74 | 3 66691 | 26 |
| 25 | 9 30299 | 75 | 75 | 3 91579 | 25 |
| 26 | 9 64904 | 74 | 76 | 4 16326 | 24 |
| 27 | 6.29 99236 | 73 | 77 | 4 40932 | 23 |
| 28 | 6.30 33299 | 72 | 78 | 4 65399 | 22 |
| 29 | 0 67096 | 71 | 79 | 4 89729 | 21 |
| 30 | 6.31 00632 | 70 | 80 | 6.45 13924 | 20 |
| 31 | 1 33912 | 69 | 81 | 5 37985 | 19 |
| 32 | 1 66938 | 68 | 82 | 5 61913 | 18 |
| 33 | 1 99715 | 67 | 83 | 5 85710 | 17 |
| 34 | 2 32247 | 66 | 84 | 6 09377 | 16 |
| 35 | 2 64537 | 65 | 85 | 6 32916 | 15 |
| 36 | 2 96588 | 64 | 86 | 6 56328 | 14 |
| 37 | 3 28405 | 63 | 87 | 6 79615 | 13 |
| 38 | 3 59990 | 62 | 88 | 7 02777 | 12 |
| 39 | 3 91347 | 61 | 89 | 7 25817 | 11 |
| 40 | 6.34 22479 | 60 | 90 | 6.47 48735 | 10 |
| 41 | 4 53390 | 59 | 91 | 7 71533 | 09 |
| 42 | 4 84082 | 58 | 92 | 7 94211 | 08 |
| 43 | 5 14559 | 57 | 93 | 8 16772 | 07 |
| 44 | 5 44824 | 56 | 94 | 8 39216 | 06 |
| 45 | 5 74879 | 55 | 95 | 8 61545 | 05 |
| 46 | 6 04727 | 54 | 96 | 8 83760 | 04 |
| 47 | 6 34372 | 53 | 97 | 9 05861 | 03 |
| 48 | 6 63816 | 52 | 98 | 9 27851 | 02 |
| 49 | 6 93062 | 51 | 99 | 9 49730 | 01 |
| 50 | 6.37 22111 | 50 | 100 | 6.49 71499 | 00 |
| | | cc | | | cc |

log ctg $99^g\,98^c$

Figure 3: Excerpt of Peters's table.

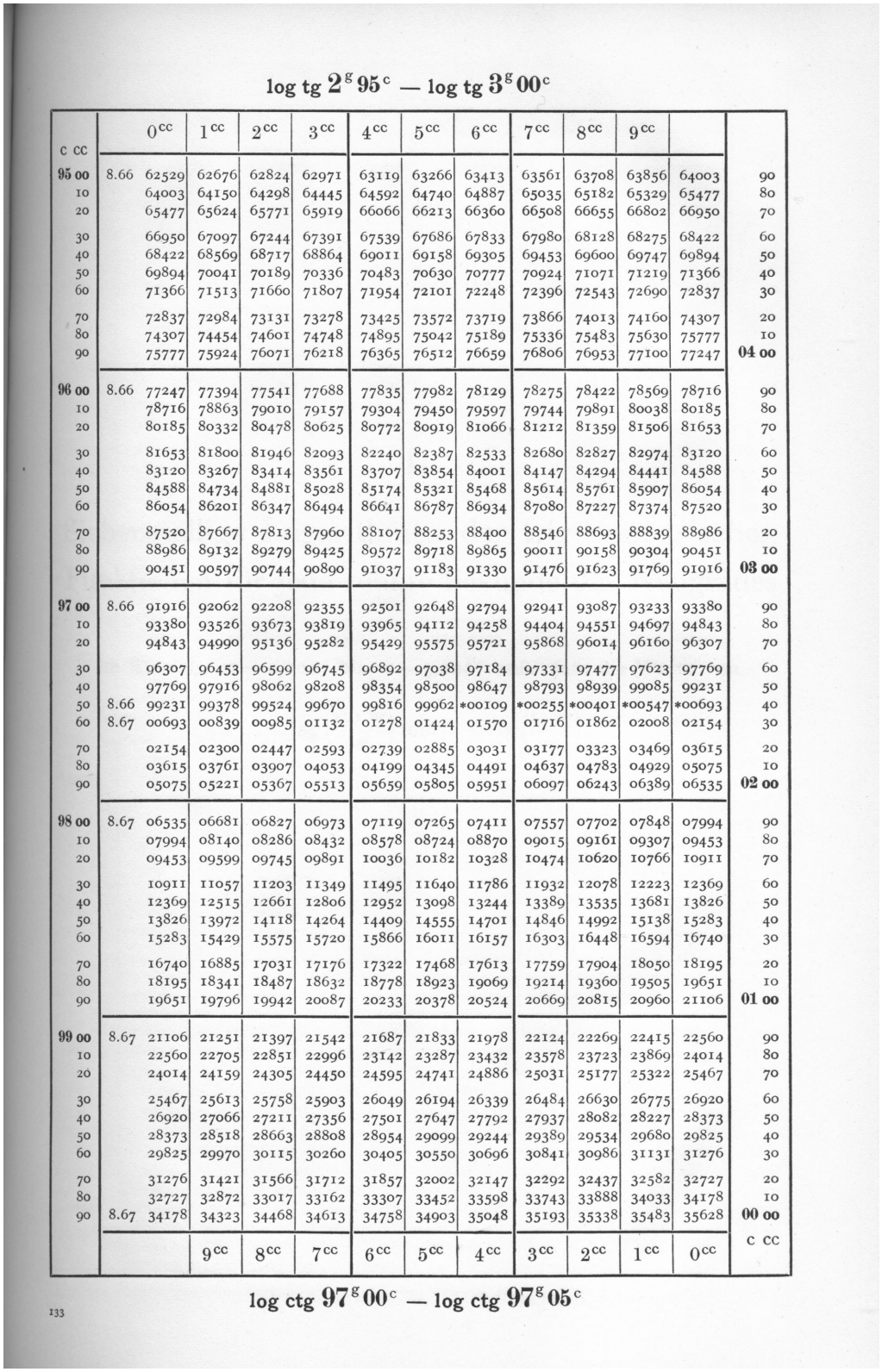


log sin $2^g 95^c$ — log sin $3^g 00^c$

| c cc | | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **95 00** | 8.66 | 57865 | 58012 | 58159 | 58306 | 58453 | 58600 | 58747 | 58894 | 59041 | 59188 | 59335 | 90 |
| 10 | | 59335 | 59483 | 59630 | 59777 | 59924 | 60071 | 60218 | 60365 | 60512 | 60659 | 60806 | 80 |
| 20 | | 60806 | 60953 | 61100 | 61247 | 61394 | 61541 | 61688 | 61835 | 61982 | 62129 | 62276 | 70 |
| 30 | | 62276 | 62423 | 62570 | 62717 | 62864 | 63010 | 63157 | 63304 | 63451 | 63598 | 63745 | 60 |
| 40 | | 63745 | 63892 | 64039 | 64186 | 64333 | 64480 | 64627 | 64773 | 64920 | 65067 | 65214 | 50 |
| 50 | | 65214 | 65361 | 65508 | 65655 | 65801 | 65948 | 66095 | 66242 | 66389 | 66536 | 66682 | 40 |
| 60 | | 66682 | 66829 | 66976 | 67123 | 67270 | 67416 | 67563 | 67710 | 67857 | 68004 | 68150 | 30 |
| 70 | | 68150 | 68297 | 68444 | 68591 | 68737 | 68884 | 69031 | 69178 | 69324 | 69471 | 69618 | 20 |
| 80 | | 69618 | 69764 | 69911 | 70058 | 70204 | 70351 | 70498 | 70645 | 70791 | 70938 | 71085 | 10 |
| 90 | | 71085 | 71231 | 71378 | 71525 | 71671 | 71818 | 71964 | 72111 | 72258 | 72404 | 72551 | **04 00** |
| **96 00** | 8.66 | 72551 | 72698 | 72844 | 72991 | 73137 | 73284 | 73431 | 73577 | 73724 | 73870 | 74017 | 90 |
| 10 | | 74017 | 74163 | 74310 | 74457 | 74603 | 74750 | 74896 | 75043 | 75189 | 75336 | 75482 | 80 |
| 20 | | 75482 | 75629 | 75775 | 75922 | 76068 | 76215 | 76361 | 76508 | 76654 | 76801 | 76947 | 70 |
| 30 | | 76947 | 77094 | 77240 | 77387 | 77533 | 77679 | 77826 | 77972 | 78119 | 78265 | 78412 | 60 |
| 40 | | 78412 | 78558 | 78704 | 78851 | 78997 | 79144 | 79290 | 79436 | 79583 | 79729 | 79876 | 50 |
| 50 | | 79876 | 80022 | 80168 | 80315 | 80461 | 80607 | 80754 | 80900 | 81046 | 81193 | 81339 | 40 |
| 60 | | 81339 | 81485 | 81632 | 81778 | 81924 | 82071 | 82217 | 82363 | 82509 | 82656 | 82802 | 30 |
| 70 | | 82802 | 82948 | 83094 | 83241 | 83387 | 83533 | 83679 | 83826 | 83972 | 84118 | 84264 | 20 |
| 80 | | 84264 | 84411 | 84557 | 84703 | 84849 | 84995 | 85142 | 85288 | 85434 | 85580 | 85726 | 10 |
| 90 | | 85726 | 85872 | 86019 | 86165 | 86311 | 86457 | 86603 | 86749 | 86896 | 87042 | 87188 | **03 00** |
| **97 00** | 8.66 | 87188 | 87334 | 87480 | 87626 | 87772 | 87918 | 88064 | 88210 | 88357 | 88503 | 88649 | 90 |
| 10 | | 88649 | 88795 | 88941 | 89087 | 89233 | 89379 | 89525 | 89671 | 89817 | 89963 | 90109 | 80 |
| 20 | | 90109 | 90255 | 90401 | 90547 | 90693 | 90839 | 90985 | 91131 | 91277 | 91423 | 91569 | 70 |
| 30 | | 91569 | 91715 | 91861 | 92007 | 92153 | 92299 | 92445 | 92591 | 92737 | 92883 | 93029 | 60 |
| 40 | | 93029 | 93175 | 93321 | 93466 | 93612 | 93758 | 93904 | 94050 | 94196 | 94342 | 94488 | 50 |
| 50 | | 94488 | 94634 | 94779 | 94925 | 95071 | 95217 | 95363 | 95509 | 95655 | 95800 | 95946 | 40 |
| 60 | | 95946 | 96092 | 96238 | 96384 | 96529 | 96675 | 96821 | 96967 | 97113 | 97258 | 97404 | 30 |
| 70 | | 97404 | 97550 | 97696 | 97841 | 97987 | 98133 | 98279 | 98425 | 98570 | 98716 | 98862 | 20 |
| 80 | 8.66 | 98862 | 99007 | 99153 | 99299 | 99445 | 99590 | 99736 | 99882 | *00027 | *00173 | *00319 | 10 |
| 90 | 8.67 | 00319 | 00464 | 00610 | 00756 | 00901 | 01047 | 01193 | 01338 | 01484 | 01630 | 01775 | **02 00** |
| **98 00** | 8.67 | 01775 | 01921 | 02067 | 02212 | 02358 | 02503 | 02649 | 02795 | 02940 | 03086 | 03231 | 90 |
| 10 | | 03231 | 03377 | 03522 | 03668 | 03814 | 03959 | 04105 | 04250 | 04396 | 04541 | 04687 | 80 |
| 20 | | 04687 | 04832 | 04978 | 05123 | 05269 | 05415 | 05560 | 05706 | 05851 | 05996 | 06142 | 70 |
| 30 | | 06142 | 06287 | 06433 | 06578 | 06724 | 06869 | 07015 | 07160 | 07306 | 07451 | 07597 | 60 |
| 40 | | 07597 | 07742 | 07887 | 08033 | 08178 | 08324 | 08469 | 08614 | 08760 | 08905 | 09051 | 50 |
| 50 | | 09051 | 09196 | 09341 | 09487 | 09632 | 09778 | 09923 | 10068 | 10214 | 10359 | 10504 | 40 |
| 60 | | 10504 | 10650 | 10795 | 10940 | 11086 | 11231 | 11376 | 11522 | 11667 | 11812 | 11957 | 30 |
| 70 | | 11957 | 12103 | 12248 | 12393 | 12539 | 12684 | 12829 | 12974 | 13120 | 13265 | 13410 | 20 |
| 80 | | 13410 | 13555 | 13701 | 13846 | 13991 | 14136 | 14281 | 14427 | 14572 | 14717 | 14862 | 10 |
| 90 | | 14862 | 15007 | 15153 | 15298 | 15443 | 15588 | 15733 | 15878 | 16024 | 16169 | 16314 | **01 00** |
| **99 00** | 8.67 | 16314 | 16459 | 16604 | 16749 | 16894 | 17040 | 17185 | 17330 | 17475 | 17620 | 17765 | 90 |
| 10 | | 17765 | 17910 | 18055 | 18200 | 18345 | 18490 | 18636 | 18781 | 18926 | 19071 | 19216 | 80 |
| 20 | | 19216 | 19361 | 19506 | 19651 | 19796 | 19941 | 20086 | 20231 | 20376 | 20521 | 20666 | 70 |
| 30 | | 20666 | 20811 | 20956 | 21101 | 21246 | 21391 | 21536 | 21681 | 21826 | 21971 | 22116 | 60 |
| 40 | | 22116 | 22261 | 22406 | 22550 | 22695 | 22840 | 22985 | 23130 | 23275 | 23420 | 23565 | 50 |
| 50 | | 23565 | 23710 | 23855 | 24000 | 24144 | 24289 | 24434 | 24579 | 24724 | 24869 | 25014 | 40 |
| 60 | | 25014 | 25159 | 25303 | 25448 | 25593 | 25738 | 25883 | 26027 | 26172 | 26317 | 26462 | 30 |
| 70 | | 26462 | 26607 | 26752 | 26896 | 27041 | 27186 | 27331 | 27475 | 27620 | 27765 | 27910 | 20 |
| 80 | | 27910 | 28054 | 28199 | 28344 | 28489 | 28633 | 28778 | 28923 | 29068 | 29212 | 29357 | 10 |
| 90 | 8.67 | 29357 | 29502 | 29646 | 29791 | 29936 | 30080 | 30225 | 30370 | 30515 | 30659 | 30804 | **00 00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

log cos $97^g 00^c$ — log cos $97^g 05^c$

Figure 4: Excerpt of Peters's table.



log tg $2^g 95^c$ — log tg $3^g 00^c$

| c cc | | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **95 00** | 8.66 | 62529 | 62676 | 62824 | 62971 | 63119 | 63266 | 63413 | 63561 | 63708 | 63856 | 64003 | 90 |
| 10 | | 64003 | 64150 | 64298 | 64445 | 64592 | 64740 | 64887 | 65035 | 65182 | 65329 | 65477 | 80 |
| 20 | | 65477 | 65624 | 65771 | 65919 | 66066 | 66213 | 66360 | 66508 | 66655 | 66802 | 66950 | 70 |
| 30 | | 66950 | 67097 | 67244 | 67391 | 67539 | 67686 | 67833 | 67980 | 68128 | 68275 | 68422 | 60 |
| 40 | | 68422 | 68569 | 68717 | 68864 | 69011 | 69158 | 69305 | 69453 | 69600 | 69747 | 69894 | 50 |
| 50 | | 69894 | 70041 | 70189 | 70336 | 70483 | 70630 | 70777 | 70924 | 71071 | 71219 | 71366 | 40 |
| 60 | | 71366 | 71513 | 71660 | 71807 | 71954 | 72101 | 72248 | 72396 | 72543 | 72690 | 72837 | 30 |
| 70 | | 72837 | 72984 | 73131 | 73278 | 73425 | 73572 | 73719 | 73866 | 74013 | 74160 | 74307 | 20 |
| 80 | | 74307 | 74454 | 74601 | 74748 | 74895 | 75042 | 75189 | 75336 | 75483 | 75630 | 75777 | 10 |
| 90 | | 75777 | 75924 | 76071 | 76218 | 76365 | 76512 | 76659 | 76806 | 76953 | 77100 | 77247 | **04 00** |
| **96 00** | 8.66 | 77247 | 77394 | 77541 | 77688 | 77835 | 77982 | 78129 | 78275 | 78422 | 78569 | 78716 | 90 |
| 10 | | 78716 | 78863 | 79010 | 79157 | 79304 | 79450 | 79597 | 79744 | 79891 | 80038 | 80185 | 80 |
| 20 | | 80185 | 80332 | 80478 | 80625 | 80772 | 80919 | 81066 | 81212 | 81359 | 81506 | 81653 | 70 |
| 30 | | 81653 | 81800 | 81946 | 82093 | 82240 | 82387 | 82533 | 82680 | 82827 | 82974 | 83120 | 60 |
| 40 | | 83120 | 83267 | 83414 | 83561 | 83707 | 83854 | 84001 | 84147 | 84294 | 84441 | 84588 | 50 |
| 50 | | 84588 | 84734 | 84881 | 85028 | 85174 | 85321 | 85468 | 85614 | 85761 | 85907 | 86054 | 40 |
| 60 | | 86054 | 86201 | 86347 | 86494 | 86641 | 86787 | 86934 | 87080 | 87227 | 87374 | 87520 | 30 |
| 70 | | 87520 | 87667 | 87813 | 87960 | 88107 | 88253 | 88400 | 88546 | 88693 | 88839 | 88986 | 20 |
| 80 | | 88986 | 89132 | 89279 | 89425 | 89572 | 89718 | 89865 | 90011 | 90158 | 90304 | 90451 | 10 |
| 90 | | 90451 | 90597 | 90744 | 90890 | 91037 | 91183 | 91330 | 91476 | 91623 | 91769 | 91916 | **03 00** |
| **97 00** | 8.66 | 91916 | 92062 | 92208 | 92355 | 92501 | 92648 | 92794 | 92941 | 93087 | 93233 | 93380 | 90 |
| 10 | | 93380 | 93526 | 93673 | 93819 | 93965 | 94112 | 94258 | 94404 | 94551 | 94697 | 94843 | 80 |
| 20 | | 94843 | 94990 | 95136 | 95282 | 95429 | 95575 | 95721 | 95868 | 96014 | 96160 | 96307 | 70 |
| 30 | | 96307 | 96453 | 96599 | 96745 | 96892 | 97038 | 97184 | 97331 | 97477 | 97623 | 97769 | 60 |
| 40 | | 97769 | 97916 | 98062 | 98208 | 98354 | 98500 | 98647 | 98793 | 98939 | 99085 | 99231 | 50 |
| 50 | 8.66 | 99231 | 99378 | 99524 | 99670 | 99816 | 99962 | *00109 | *00255 | *00401 | *00547 | *00693 | 40 |
| 60 | 8.67 | 00693 | 00839 | 00985 | 01132 | 01278 | 01424 | 01570 | 01716 | 01862 | 02008 | 02154 | 30 |
| 70 | | 02154 | 02300 | 02447 | 02593 | 02739 | 02885 | 03031 | 03177 | 03323 | 03469 | 03615 | 20 |
| 80 | | 03615 | 03761 | 03907 | 04053 | 04199 | 04345 | 04491 | 04637 | 04783 | 04929 | 05075 | 10 |
| 90 | | 05075 | 05221 | 05367 | 05513 | 05659 | 05805 | 05951 | 06097 | 06243 | 06389 | 06535 | **02 00** |
| **98 00** | 8.67 | 06535 | 06681 | 06827 | 06973 | 07119 | 07265 | 07411 | 07557 | 07702 | 07848 | 07994 | 90 |
| 10 | | 07994 | 08140 | 08286 | 08432 | 08578 | 08724 | 08870 | 09015 | 09161 | 09307 | 09453 | 80 |
| 20 | | 09453 | 09599 | 09745 | 09891 | 10036 | 10182 | 10328 | 10474 | 10620 | 10766 | 10911 | 70 |
| 30 | | 10911 | 11057 | 11203 | 11349 | 11495 | 11640 | 11786 | 11932 | 12078 | 12223 | 12369 | 60 |
| 40 | | 12369 | 12515 | 12661 | 12806 | 12952 | 13098 | 13244 | 13389 | 13535 | 13681 | 13826 | 50 |
| 50 | | 13826 | 13972 | 14118 | 14264 | 14409 | 14555 | 14701 | 14846 | 14992 | 15138 | 15283 | 40 |
| 60 | | 15283 | 15429 | 15575 | 15720 | 15866 | 16011 | 16157 | 16303 | 16448 | 16594 | 16740 | 30 |
| 70 | | 16740 | 16885 | 17031 | 17176 | 17322 | 17468 | 17613 | 17759 | 17904 | 18050 | 18195 | 20 |
| 80 | | 18195 | 18341 | 18487 | 18632 | 18778 | 18923 | 19069 | 19214 | 19360 | 19505 | 19651 | 10 |
| 90 | | 19651 | 19796 | 19942 | 20087 | 20233 | 20378 | 20524 | 20669 | 20815 | 20960 | 21106 | **01 00** |
| **99 00** | 8.67 | 21106 | 21251 | 21397 | 21542 | 21687 | 21833 | 21978 | 22124 | 22269 | 22415 | 22560 | 90 |
| 10 | | 22560 | 22705 | 22851 | 22996 | 23142 | 23287 | 23432 | 23578 | 23723 | 23869 | 24014 | 80 |
| 20 | | 24014 | 24159 | 24305 | 24450 | 24595 | 24741 | 24886 | 25031 | 25177 | 25322 | 25467 | 70 |
| 30 | | 25467 | 25613 | 25758 | 25903 | 26049 | 26194 | 26339 | 26484 | 26630 | 26775 | 26920 | 60 |
| 40 | | 26920 | 27066 | 27211 | 27356 | 27501 | 27647 | 27792 | 27937 | 28082 | 28227 | 28373 | 50 |
| 50 | | 28373 | 28518 | 28663 | 28808 | 28954 | 29099 | 29244 | 29389 | 29534 | 29680 | 29825 | 40 |
| 60 | | 29825 | 29970 | 30115 | 30260 | 30405 | 30550 | 30696 | 30841 | 30986 | 31131 | 31276 | 30 |
| 70 | | 31276 | 31421 | 31566 | 31712 | 31857 | 32002 | 32147 | 32292 | 32437 | 32582 | 32727 | 20 |
| 80 | | 32727 | 32872 | 33017 | 33162 | 33307 | 33452 | 33598 | 33743 | 33888 | 34033 | 34178 | 10 |
| 90 | 8.67 | 34178 | 34323 | 34468 | 34613 | 34758 | 34903 | 35048 | 35193 | 35338 | 35483 | 35628 | **00 00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

log ctg $97^g 00^c$ — log ctg $97^g 05^c$

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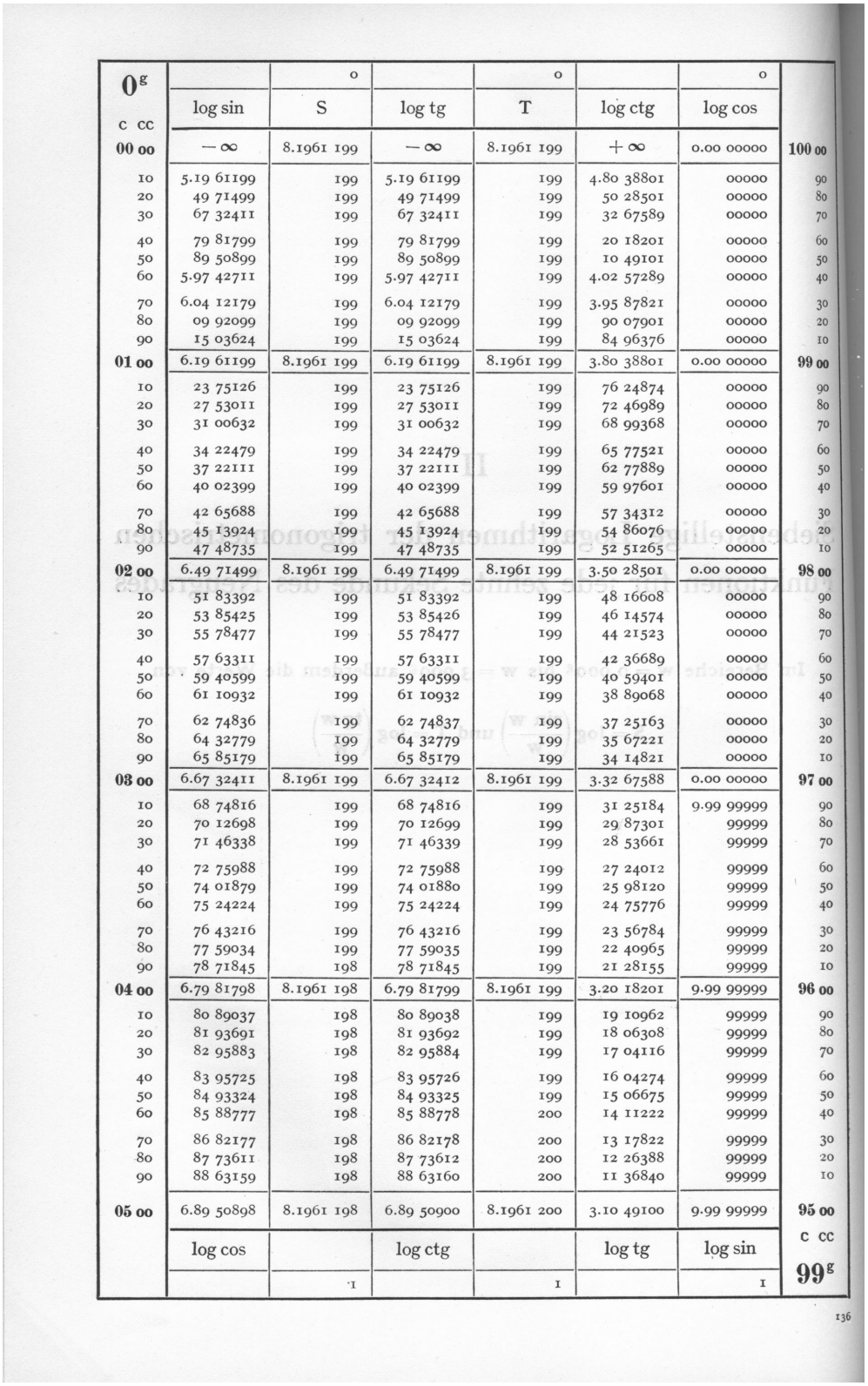
Figure 5: Excerpt of Peters's table.



| $0^g$ c cc | | o | | o | | o | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| 00 00 | $-\infty$ | 8.1961 199 | $-\infty$ | 8.1961 199 | $+\infty$ | 0.00 00000 | 100 00 |
| 10 | 5.19 61199 | 199 | 5.19 61199 | 199 | 4.80 38801 | 00000 | 90 |
| 20 | 49 71499 | 199 | 49 71499 | 199 | 50 28501 | 00000 | 80 |
| 30 | 67 32411 | 199 | 67 32411 | 199 | 32 67589 | 00000 | 70 |
| 40 | 79 81799 | 199 | 79 81799 | 199 | 20 18201 | 00000 | 60 |
| 50 | 89 50899 | 199 | 89 50899 | 199 | 10 49101 | 00000 | 50 |
| 60 | 5.97 42711 | 199 | 5.97 42711 | 199 | 4.02 57289 | 00000 | 40 |
| 70 | 6.04 12179 | 199 | 6.04 12179 | 199 | 3.95 87821 | 00000 | 30 |
| 80 | 09 92099 | 199 | 09 92099 | 199 | 90 07901 | 00000 | 20 |
| 90 | 15 03624 | 199 | 15 03624 | 199 | 84 96376 | 00000 | 10 |
| 01 00 | 6.19 61199 | 8.1961 199 | 6.19 61199 | 8.1961 199 | 3.80 38801 | 0.00 00000 | 99 00 |
| 10 | 23 75126 | 199 | 23 75126 | 199 | 76 24874 | 00000 | 90 |
| 20 | 27 53011 | 199 | 27 53011 | 199 | 72 46989 | 00000 | 80 |
| 30 | 31 00632 | 199 | 31 00632 | 199 | 68 99368 | 00000 | 70 |
| 40 | 34 22479 | 199 | 34 22479 | 199 | 65 77521 | 00000 | 60 |
| 50 | 37 22111 | 199 | 37 22111 | 199 | 62 77889 | 00000 | 50 |
| 60 | 40 02399 | 199 | 40 02399 | 199 | 59 97601 | 00000 | 40 |
| 70 | 42 65688 | 199 | 42 65688 | 199 | 57 34312 | 00000 | 30 |
| 80 | 45 13924 | 199 | 45 13924 | 199 | 54 86076 | 00000 | 20 |
| 90 | 47 48735 | 199 | 47 48735 | 199 | 52 51265 | 00000 | 10 |
| 02 00 | 6.49 71499 | 8.1961 199 | 6.49 71499 | 8.1961 199 | 3.50 28501 | 0.00 00000 | 98 00 |
| 10 | 51 83392 | 199 | 51 83392 | 199 | 48 16608 | 00000 | 90 |
| 20 | 53 85425 | 199 | 53 85426 | 199 | 46 14574 | 00000 | 80 |
| 30 | 55 78477 | 199 | 55 78477 | 199 | 44 21523 | 00000 | 70 |
| 40 | 57 63311 | 199 | 57 63311 | 199 | 42 36689 | 00000 | 60 |
| 50 | 59 40599 | 199 | 59 40599 | 199 | 40 59401 | 00000 | 50 |
| 60 | 61 10932 | 199 | 61 10932 | 199 | 38 89068 | 00000 | 40 |
| 70 | 62 74836 | 199 | 62 74837 | 199 | 37 25163 | 00000 | 30 |
| 80 | 64 32779 | 199 | 64 32779 | 199 | 35 67221 | 00000 | 20 |
| 90 | 65 85179 | 199 | 65 85179 | 199 | 34 14821 | 00000 | 10 |
| 03 00 | 6.67 32411 | 8.1961 199 | 6.67 32412 | 8.1961 199 | 3.32 67588 | 0.00 00000 | 97 00 |
| 10 | 68 74816 | 199 | 68 74816 | 199 | 31 25184 | 9.99 99999 | 90 |
| 20 | 70 12698 | 199 | 70 12699 | 199 | 29 87301 | 99999 | 80 |
| 30 | 71 46338 | 199 | 71 46339 | 199 | 28 53661 | 99999 | 70 |
| 40 | 72 75988 | 199 | 72 75988 | 199 | 27 24012 | 99999 | 60 |
| 50 | 74 01879 | 199 | 74 01880 | 199 | 25 98120 | 99999 | 50 |
| 60 | 75 24224 | 199 | 75 24224 | 199 | 24 75776 | 99999 | 40 |
| 70 | 76 43216 | 199 | 76 43216 | 199 | 23 56784 | 99999 | 30 |
| 80 | 77 59034 | 199 | 77 59035 | 199 | 22 40965 | 99999 | 20 |
| 90 | 78 71845 | 198 | 78 71845 | 199 | 21 28155 | 99999 | 10 |
| 04 00 | 6.79 81798 | 8.1961 198 | 6.79 81799 | 8.1961 199 | 3.20 18201 | 9.99 99999 | 96 00 |
| 10 | 80 89037 | 198 | 80 89038 | 199 | 19 10962 | 99999 | 90 |
| 20 | 81 93691 | 198 | 81 93692 | 199 | 18 06308 | 99999 | 80 |
| 30 | 82 95883 | 198 | 82 95884 | 199 | 17 04116 | 99999 | 70 |
| 40 | 83 95725 | 198 | 83 95726 | 199 | 16 04274 | 99999 | 60 |
| 50 | 84 93324 | 198 | 84 93325 | 199 | 15 06675 | 99999 | 50 |
| 60 | 85 88777 | 198 | 85 88778 | 200 | 14 11222 | 99999 | 40 |
| 70 | 86 82177 | 198 | 86 82178 | 200 | 13 17822 | 99999 | 30 |
| 80 | 87 73611 | 198 | 87 73612 | 200 | 12 26388 | 99999 | 20 |
| 90 | 88 63159 | 198 | 88 63160 | 200 | 11 36840 | 99999 | 10 |
| 05 00 | 6.89 50898 | 8.1961 198 | 6.89 50900 | 8.1961 200 | 3.10 49100 | 9.99 99999 | 95 00 |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | | 1 | | 1 | | 1 | $99^g$ |

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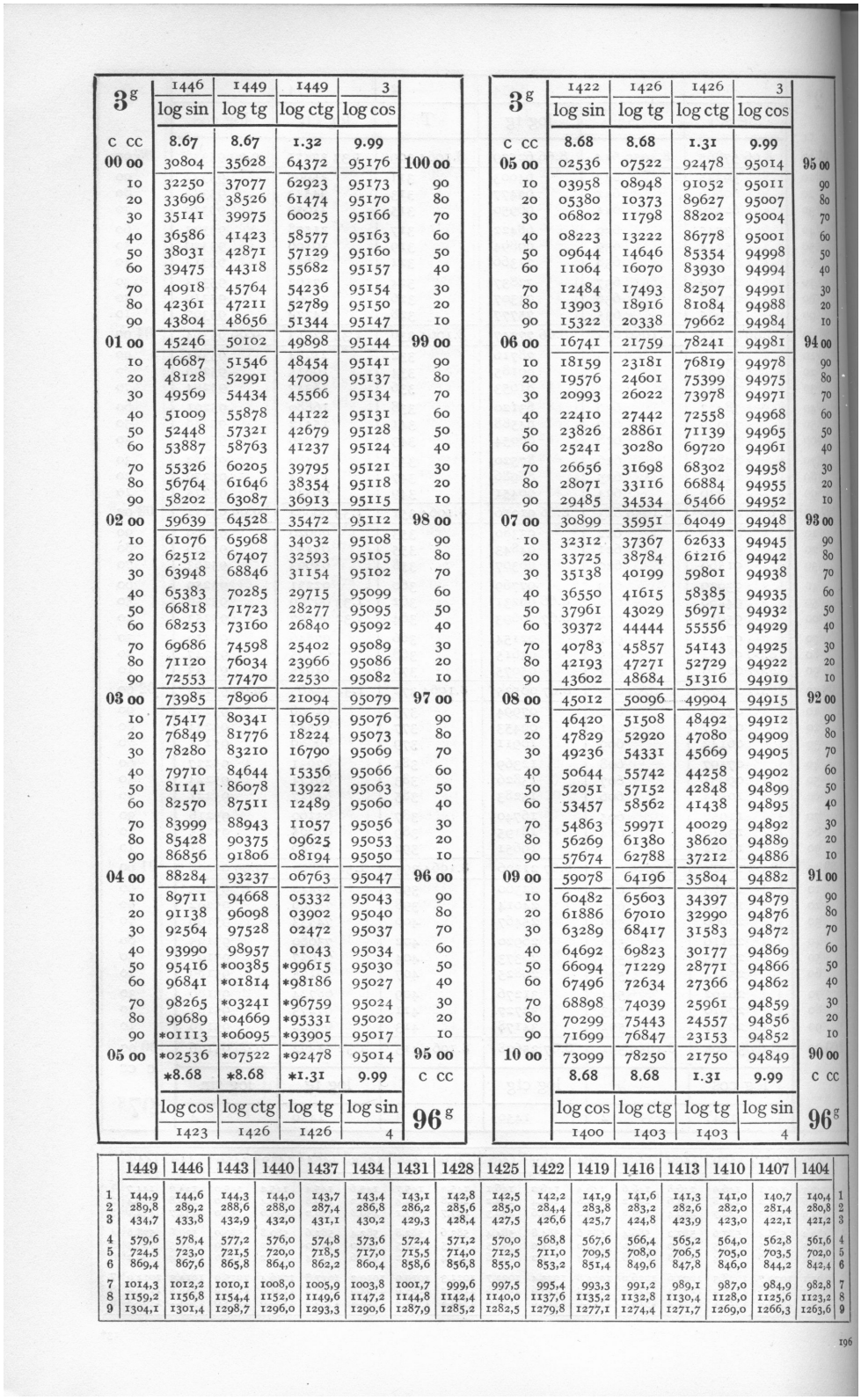
Figure 6: Excerpt of Peters's table.



| 3g | 1446 log sin | 1449 log tg | 1449 log ctg | 3 log cos | |
|---|---|---|---|---|---|
| c cc | 8.67 | 8.67 | 1.32 | 9.99 | |
| 00 00 | 30804 | 35628 | 64372 | 95176 | 100 00 |
| 10 | 32250 | 37077 | 62923 | 95173 | 90 |
| 20 | 33696 | 38526 | 61474 | 95170 | 80 |
| 30 | 35141 | 39975 | 60025 | 95166 | 70 |
| 40 | 36586 | 41423 | 58577 | 95163 | 60 |
| 50 | 38031 | 42871 | 57129 | 95160 | 50 |
| 60 | 39475 | 44318 | 55682 | 95157 | 40 |
| 70 | 40918 | 45764 | 54236 | 95154 | 30 |
| 80 | 42361 | 47211 | 52789 | 95150 | 20 |
| 90 | 43804 | 48656 | 51344 | 95147 | 10 |
| 01 00 | 45246 | 50102 | 49898 | 95144 | 99 00 |
| 10 | 46687 | 51546 | 48454 | 95141 | 90 |
| 20 | 48128 | 52991 | 47009 | 95137 | 80 |
| 30 | 49569 | 54434 | 45566 | 95134 | 70 |
| 40 | 51009 | 55878 | 44122 | 95131 | 60 |
| 50 | 52448 | 57321 | 42679 | 95128 | 50 |
| 60 | 53887 | 58763 | 41237 | 95124 | 40 |
| 70 | 55326 | 60205 | 39795 | 95121 | 30 |
| 80 | 56764 | 61646 | 38354 | 95118 | 20 |
| 90 | 58202 | 63087 | 36913 | 95115 | 10 |
| 02 00 | 59639 | 64528 | 35472 | 95112 | 98 00 |
| 10 | 61076 | 65968 | 34032 | 95108 | 90 |
| 20 | 62512 | 67407 | 32593 | 95105 | 80 |
| 30 | 63948 | 68846 | 31154 | 95102 | 70 |
| 40 | 65383 | 70285 | 29715 | 95099 | 60 |
| 50 | 66818 | 71723 | 28277 | 95095 | 50 |
| 60 | 68253 | 73160 | 26840 | 95092 | 40 |
| 70 | 69686 | 74598 | 25402 | 95089 | 30 |
| 80 | 71120 | 76034 | 23966 | 95086 | 20 |
| 90 | 72553 | 77470 | 22530 | 95082 | 10 |
| 03 00 | 73985 | 78906 | 21094 | 95079 | 97 00 |
| 10 | 75417 | 80341 | 19659 | 95076 | 90 |
| 20 | 76849 | 81776 | 18224 | 95073 | 80 |
| 30 | 78280 | 83210 | 16790 | 95069 | 70 |
| 40 | 79710 | 84644 | 15356 | 95066 | 60 |
| 50 | 81141 | 86078 | 13922 | 95063 | 50 |
| 60 | 82570 | 87511 | 12489 | 95060 | 40 |
| 70 | 83999 | 88943 | 11057 | 95056 | 30 |
| 80 | 85428 | 90375 | 09625 | 95053 | 20 |
| 90 | 86856 | 91806 | 08194 | 95050 | 10 |
| 04 00 | 88284 | 93237 | 06763 | 95047 | 96 00 |
| 10 | 89711 | 94668 | 05332 | 95043 | 90 |
| 20 | 91138 | 96098 | 03902 | 95040 | 80 |
| 30 | 92564 | 97528 | 02472 | 95037 | 70 |
| 40 | 93990 | 98957 | 01043 | 95034 | 60 |
| 50 | 95416 | *00385 | *99615 | 95030 | 50 |
| 60 | 96841 | *01814 | *98186 | 95027 | 40 |
| 70 | 98265 | *03241 | *96759 | 95024 | 30 |
| 80 | 99689 | *04669 | *95331 | 95020 | 20 |
| 90 | *01113 | *06095 | *93905 | 95017 | 10 |
| 05 00 | *02536 | *07522 | *92478 | 95014 | 95 00 |
| | *8.68 | *8.68 | *1.31 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 96g |
| | 1423 | 1426 | 1426 | 4 | |

| 3g | 1422 log sin | 1426 log tg | 1426 log ctg | 3 log cos | |
|---|---|---|---|---|---|
| c cc | 8.68 | 8.68 | 1.31 | 9.99 | |
| 05 00 | 02536 | 07522 | 92478 | 95014 | 95 00 |
| 10 | 03958 | 08948 | 91052 | 95011 | 90 |
| 20 | 05380 | 10373 | 89627 | 95007 | 80 |
| 30 | 06802 | 11798 | 88202 | 95004 | 70 |
| 40 | 08223 | 13222 | 86778 | 95001 | 60 |
| 50 | 09644 | 14646 | 85354 | 94998 | 50 |
| 60 | 11064 | 16070 | 83930 | 94994 | 40 |
| 70 | 12484 | 17493 | 82507 | 94991 | 30 |
| 80 | 13903 | 18916 | 81084 | 94988 | 20 |
| 90 | 15322 | 20338 | 79662 | 94984 | 10 |
| 06 00 | 16741 | 21759 | 78241 | 94981 | 94 00 |
| 10 | 18159 | 23181 | 76819 | 94978 | 90 |
| 20 | 19576 | 24601 | 75399 | 94975 | 80 |
| 30 | 20993 | 26022 | 73978 | 94971 | 70 |
| 40 | 22410 | 27442 | 72558 | 94968 | 60 |
| 50 | 23826 | 28861 | 71139 | 94965 | 50 |
| 60 | 25241 | 30280 | 69720 | 94961 | 40 |
| 70 | 26656 | 31698 | 68302 | 94958 | 30 |
| 80 | 28071 | 33116 | 66884 | 94955 | 20 |
| 90 | 29485 | 34534 | 65466 | 94952 | 10 |
| 07 00 | 30899 | 35951 | 64049 | 94948 | 93 00 |
| 10 | 32312 | 37367 | 62633 | 94945 | 90 |
| 20 | 33725 | 38784 | 61216 | 94942 | 80 |
| 30 | 35138 | 40199 | 59801 | 94938 | 70 |
| 40 | 36550 | 41615 | 58385 | 94935 | 60 |
| 50 | 37961 | 43029 | 56971 | 94932 | 50 |
| 60 | 39372 | 44444 | 55556 | 94929 | 40 |
| 70 | 40783 | 45857 | 54143 | 94925 | 30 |
| 80 | 42193 | 47271 | 52729 | 94922 | 20 |
| 90 | 43602 | 48684 | 51316 | 94919 | 10 |
| 08 00 | 45012 | 50096 | 49904 | 94915 | 92 00 |
| 10 | 46420 | 51508 | 48492 | 94912 | 90 |
| 20 | 47829 | 52920 | 47080 | 94909 | 80 |
| 30 | 49236 | 54331 | 45669 | 94905 | 70 |
| 40 | 50644 | 55742 | 44258 | 94902 | 60 |
| 50 | 52051 | 57152 | 42848 | 94899 | 50 |
| 60 | 53457 | 58562 | 41438 | 94895 | 40 |
| 70 | 54863 | 59971 | 40029 | 94892 | 30 |
| 80 | 56269 | 61380 | 38620 | 94889 | 20 |
| 90 | 57674 | 62788 | 37212 | 94886 | 10 |
| 09 00 | 59078 | 64196 | 35804 | 94882 | 91 00 |
| 10 | 60482 | 65603 | 34397 | 94879 | 90 |
| 20 | 61886 | 67010 | 32990 | 94876 | 80 |
| 30 | 63289 | 68417 | 31583 | 94872 | 70 |
| 40 | 64692 | 69823 | 30177 | 94869 | 60 |
| 50 | 66094 | 71229 | 28771 | 94866 | 50 |
| 60 | 67496 | 72634 | 27366 | 94862 | 40 |
| 70 | 68898 | 74039 | 25961 | 94859 | 30 |
| 80 | 70299 | 75443 | 24557 | 94856 | 20 |
| 90 | 71699 | 76847 | 23153 | 94852 | 10 |
| 10 00 | 73099 | 78250 | 21750 | 94849 | 90 00 |
| | 8.68 | 8.68 | 1.31 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 96g |
| | 1400 | 1403 | 1403 | 4 | |

| | 1449 | 1446 | 1443 | 1440 | 1437 | 1434 | 1431 | 1428 | 1425 | 1422 | 1419 | 1416 | 1413 | 1410 | 1407 | 1404 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 144,9 | 144,6 | 144,3 | 144,0 | 143,7 | 143,4 | 143,1 | 142,8 | 142,5 | 142,2 | 141,9 | 141,6 | 141,3 | 141,0 | 140,7 | 140,4 | 1 |
| 2 | 289,8 | 289,2 | 288,6 | 288,0 | 287,4 | 286,8 | 286,2 | 285,6 | 285,0 | 284,4 | 283,8 | 283,2 | 282,6 | 282,0 | 281,4 | 280,8 | 2 |
| 3 | 434,7 | 433,8 | 432,9 | 432,0 | 431,1 | 430,2 | 429,3 | 428,4 | 427,5 | 426,6 | 425,7 | 424,8 | 423,9 | 423,0 | 422,1 | 421,2 | 3 |
| 4 | 579,6 | 578,4 | 577,2 | 576,0 | 574,8 | 573,6 | 572,4 | 571,2 | 570,0 | 568,8 | 567,6 | 566,4 | 565,2 | 564,0 | 562,8 | 561,6 | 4 |
| 5 | 724,5 | 723,0 | 721,5 | 720,0 | 718,5 | 717,0 | 715,5 | 714,0 | 712,5 | 711,0 | 709,5 | 708,0 | 706,5 | 705,0 | 703,5 | 702,0 | 5 |
| 6 | 869,4 | 867,6 | 865,8 | 864,0 | 862,2 | 860,4 | 858,6 | 856,8 | 855,0 | 853,2 | 851,4 | 849,6 | 847,8 | 846,0 | 844,2 | 842,4 | 6 |
| 7 | 1014,3 | 1012,2 | 1010,1 | 1008,0 | 1005,9 | 1003,8 | 1001,7 | 999,6 | 997,5 | 995,4 | 993,3 | 991,2 | 989,1 | 987,0 | 984,9 | 982,8 | 7 |
| 8 | 1159,2 | 1156,8 | 1154,4 | 1152,0 | 1149,6 | 1147,2 | 1144,8 | 1142,4 | 1140,0 | 1137,6 | 1135,2 | 1132,8 | 1130,4 | 1128,0 | 1125,6 | 1123,2 | 8 |
| 9 | 1304,1 | 1301,4 | 1298,7 | 1296,0 | 1293,3 | 1290,6 | 1287,9 | 1285,2 | 1282,5 | 1279,8 | 1277,1 | 1274,4 | 1271,7 | 1269,0 | 1266,3 | 1263,6 | 9 |

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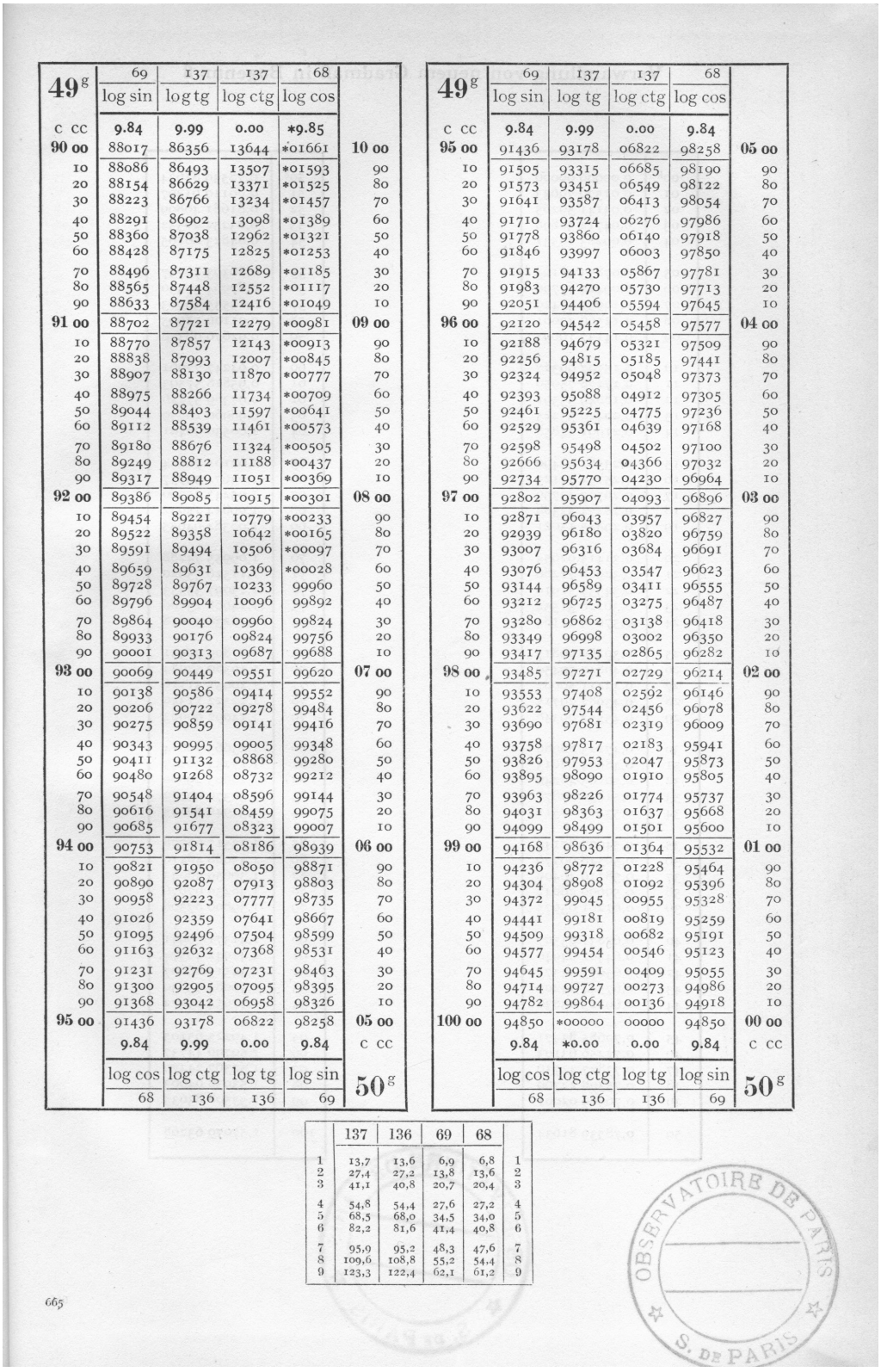
Figure 7: Excerpt of Peters's table.



| 49g | 69 log sin | 137 log tg | 137 log ctg | 68 log cos | |
|---|---|---|---|---|---|
| c cc | 9.84 | 9.99 | 0.00 | *9.85 | |
| 90 00 | 88017 | 86356 | 13644 | *01661 | 10 00 |
| 10 | 88086 | 86493 | 13507 | *01593 | 90 |
| 20 | 88154 | 86629 | 13371 | *01525 | 80 |
| 30 | 88223 | 86766 | 13234 | *01457 | 70 |
| 40 | 88291 | 86902 | 13098 | *01389 | 60 |
| 50 | 88360 | 87038 | 12962 | *01321 | 50 |
| 60 | 88428 | 87175 | 12825 | *01253 | 40 |
| 70 | 88496 | 87311 | 12689 | *01185 | 30 |
| 80 | 88565 | 87448 | 12552 | *01117 | 20 |
| 90 | 88633 | 87584 | 12416 | *01049 | 10 |
| 91 00 | 88702 | 87721 | 12279 | *00981 | 09 00 |
| 10 | 88770 | 87857 | 12143 | *00913 | 90 |
| 20 | 88838 | 87993 | 12007 | *00845 | 80 |
| 30 | 88907 | 88130 | 11870 | *00777 | 70 |
| 40 | 88975 | 88266 | 11734 | *00709 | 60 |
| 50 | 89044 | 88403 | 11597 | *00641 | 50 |
| 60 | 89112 | 88539 | 11461 | *00573 | 40 |
| 70 | 89180 | 88676 | 11324 | *00505 | 30 |
| 80 | 89249 | 88812 | 11188 | *00437 | 20 |
| 90 | 89317 | 88949 | 11051 | *00369 | 10 |
| 92 00 | 89386 | 89085 | 10915 | *00301 | 08 00 |
| 10 | 89454 | 89221 | 10779 | *00233 | 90 |
| 20 | 89522 | 89358 | 10642 | *00165 | 80 |
| 30 | 89591 | 89494 | 10506 | *00097 | 70 |
| 40 | 89659 | 89631 | 10369 | *00028 | 60 |
| 50 | 89728 | 89767 | 10233 | 99960 | 50 |
| 60 | 89796 | 89904 | 10096 | 99892 | 40 |
| 70 | 89864 | 90040 | 09960 | 99824 | 30 |
| 80 | 89933 | 90176 | 09824 | 99756 | 20 |
| 90 | 90001 | 90313 | 09687 | 99688 | 10 |
| 93 00 | 90069 | 90449 | 09551 | 99620 | 07 00 |
| 10 | 90138 | 90586 | 09414 | 99552 | 90 |
| 20 | 90206 | 90722 | 09278 | 99484 | 80 |
| 30 | 90275 | 90859 | 09141 | 99416 | 70 |
| 40 | 90343 | 90995 | 09005 | 99348 | 60 |
| 50 | 90411 | 91132 | 08868 | 99280 | 50 |
| 60 | 90480 | 91268 | 08732 | 99212 | 40 |
| 70 | 90548 | 91404 | 08596 | 99144 | 30 |
| 80 | 90616 | 91541 | 08459 | 99075 | 20 |
| 90 | 90685 | 91677 | 08323 | 99007 | 10 |
| 94 00 | 90753 | 91814 | 08186 | 98939 | 06 00 |
| 10 | 90821 | 91950 | 08050 | 98871 | 90 |
| 20 | 90890 | 92087 | 07913 | 98803 | 80 |
| 30 | 90958 | 92223 | 07777 | 98735 | 70 |
| 40 | 91026 | 92359 | 07641 | 98667 | 60 |
| 50 | 91095 | 92496 | 07504 | 98599 | 50 |
| 60 | 91163 | 92632 | 07368 | 98531 | 40 |
| 70 | 91231 | 92769 | 07231 | 98463 | 30 |
| 80 | 91300 | 92905 | 07095 | 98395 | 20 |
| 90 | 91368 | 93042 | 06958 | 98326 | 10 |
| 95 00 | 91436 | 93178 | 06822 | 98258 | 05 00 |
| | 9.84 | 9.99 | 0.00 | 9.84 | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 68 | 136 | 136 | 69 | |

| 49g | 69 log sin | 137 log tg | 137 log ctg | 68 log cos | |
|---|---|---|---|---|---|
| c cc | 9.84 | 9.99 | 0.00 | 9.84 | |
| 95 00 | 91436 | 93178 | 06822 | 98258 | 05 00 |
| 10 | 91505 | 93315 | 06685 | 98190 | 90 |
| 20 | 91573 | 93451 | 06549 | 98122 | 80 |
| 30 | 91641 | 93587 | 06413 | 98054 | 70 |
| 40 | 91710 | 93724 | 06276 | 97986 | 60 |
| 50 | 91778 | 93860 | 06140 | 97918 | 50 |
| 60 | 91846 | 93997 | 06003 | 97850 | 40 |
| 70 | 91915 | 94133 | 05867 | 97781 | 30 |
| 80 | 91983 | 94270 | 05730 | 97713 | 20 |
| 90 | 92051 | 94406 | 05594 | 97645 | 10 |
| 96 00 | 92120 | 94542 | 05458 | 97577 | 04 00 |
| 10 | 92188 | 94679 | 05321 | 97509 | 90 |
| 20 | 92256 | 94815 | 05185 | 97441 | 80 |
| 30 | 92324 | 94952 | 05048 | 97373 | 70 |
| 40 | 92393 | 95088 | 04912 | 97305 | 60 |
| 50 | 92461 | 95225 | 04775 | 97236 | 50 |
| 60 | 92529 | 95361 | 04639 | 97168 | 40 |
| 70 | 92598 | 95498 | 04502 | 97100 | 30 |
| 80 | 92666 | 95634 | 04366 | 97032 | 20 |
| 90 | 92734 | 95770 | 04230 | 96964 | 10 |
| 97 00 | 92802 | 95907 | 04093 | 96896 | 03 00 |
| 10 | 92871 | 96043 | 03957 | 96827 | 90 |
| 20 | 92939 | 96180 | 03820 | 96759 | 80 |
| 30 | 93007 | 96316 | 03684 | 96691 | 70 |
| 40 | 93076 | 96453 | 03547 | 96623 | 60 |
| 50 | 93144 | 96589 | 03411 | 96555 | 50 |
| 60 | 93212 | 96725 | 03275 | 96487 | 40 |
| 70 | 93280 | 96862 | 03138 | 96418 | 30 |
| 80 | 93349 | 96998 | 03002 | 96350 | 20 |
| 90 | 93417 | 97135 | 02865 | 96282 | 10 |
| 98 00 | 93485 | 97271 | 02729 | 96214 | 02 00 |
| 10 | 93553 | 97408 | 02592 | 96146 | 90 |
| 20 | 93622 | 97544 | 02456 | 96078 | 80 |
| 30 | 93690 | 97681 | 02319 | 96009 | 70 |
| 40 | 93758 | 97817 | 02183 | 95941 | 60 |
| 50 | 93826 | 97953 | 02047 | 95873 | 50 |
| 60 | 93895 | 98090 | 01910 | 95805 | 40 |
| 70 | 93963 | 98226 | 01774 | 95737 | 30 |
| 80 | 94031 | 98363 | 01637 | 95668 | 20 |
| 90 | 94099 | 98499 | 01501 | 95600 | 10 |
| 99 00 | 94168 | 98636 | 01364 | 95532 | 01 00 |
| 10 | 94236 | 98772 | 01228 | 95464 | 90 |
| 20 | 94304 | 98908 | 01092 | 95396 | 80 |
| 30 | 94372 | 99045 | 00955 | 95328 | 70 |
| 40 | 94441 | 99181 | 00819 | 95259 | 60 |
| 50 | 94509 | 99318 | 00682 | 95191 | 50 |
| 60 | 94577 | 99454 | 00546 | 95123 | 40 |
| 70 | 94645 | 99591 | 00409 | 95055 | 30 |
| 80 | 94714 | 99727 | 00273 | 94986 | 20 |
| 90 | 94782 | 99864 | 00136 | 94918 | 10 |
| 100 00 | 94850 | *00000 | 00000 | 94850 | 00 00 |
| | 9.84 | *0.00 | 0.00 | 9.84 | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 68 | 136 | 136 | 69 | |

| | 137 | 136 | 69 | 68 | |
|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 6,9 | 6,8 | 1 |
| 2 | 27,4 | 27,2 | 13,8 | 13,6 | 2 |
| 3 | 41,1 | 40,8 | 20,7 | 20,4 | 3 |
| 4 | 54,8 | 54,4 | 27,6 | 27,2 | 4 |
| 5 | 68,5 | 68,0 | 34,5 | 34,0 | 5 |
| 6 | 82,2 | 81,6 | 41,4 | 40,8 | 6 |
| 7 | 95,9 | 95,2 | 48,3 | 47,6 | 7 |
| 8 | 109,6 | 108,8 | 55,2 | 54,4 | 8 |
| 9 | 123,3 | 122,4 | 62,1 | 61,2 | 9 |

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Figure 8: Excerpt of Peters's table.

# References

The following list covers the most important references[2] related to Peters's table. Not all items of this list are mentioned in the text, and the sources which have not been seen are marked so. We have added notes about the contents of the articles in certain cases.


[1] ???? On the eight-figure table of Peters and Comrie. *Mathematical Tables and other Aids to Computation*, 1(2):64–65, 1943. [The title is ours, and there are actually two notices, on the accuracy of the table published in 1939 [55], and its comparison with other tables.]

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[3] Marie Henri Andoyer. *Nouvelles tables trigonométriques fondamentales contenant les valeurs naturelles des lignes trigonométriques....* Paris: Librairie A. Hermann et fils, 1915–1918. [3 volumes, reconstruction by D. Roegel in 2010 [67].]

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[5] Raymond Clare Archibald. J. T. Peters, Seven-place values of trigonometric functions for every thousandth of a degree. *Mathematical Tables and other Aids to Computation*, 1(1):12–13, 1943. [review of the edition published in 1942 [40]]

[6] Raymond Clare Archibald. Tables of trigonometric functions in non-sexagesimal arguments. *Mathematical Tables and other Aids to Computation*, 1(2):33–44, 1943.

[7] Raymond Clare Archibald. J. T. Peters, Eight-place table of trigonometric functions for every sexagesimal second of the quadrant. Achtstellige Tafel der trigonometrischen Funktionen für jede Sexagesimalsekunde des Quadranten. *Mathematical Tables and other Aids to Computation*, 1:147–148, 1944. [review of the edition published in 1939 [55]]

[8] Raymond Clare Archibald. J. T. Peters, Siebenstellige Logarithmentafel. *Mathematical Tables and other Aids to Computation*, 1:143–146, 1944. [review of the edition published in 1940 [56]]


[2] **Note on the titles of the works:** Original titles come with many idiosyncrasies and features (line splitting, size, fonts, etc.) which can often not be reproduced in a list of references. It has therefore seemed pointless to capitalize works according to conventions which not only have no relation with the original work, but also do not restore the title entirely. In the following list of references, most title words (except in German) will therefore be left uncapitalized. The names of the authors have also been homogenized and initials expanded, as much as possible.

The reader should keep in mind that this list is not meant as a facsimile of the original works. The original style information could no doubt have been added as a note, but we have not done it here.

[9] Raymond Clare Archibald. Johann Theodor Peters. *Mathematical Tables and other Aids to Computation*, 1(5):168–169, 1944. [obituary notice]

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[11] Raymond Clare Archibald. J. T. Peters, Siebenstellige Werte der trigonometrischen Funktionen von Tausendstel zu Tausendstel des Neugrades. *Mathematical Tables and other Aids to Computation*, 2(19):299, 1947. [review of the 1941 edition [57]]

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[13] Julius Bauschinger. Interpolation. In Wilhelm Franz Meyer, editor, *Encyklopädie der mathematischen Wissenschaften mit Einschluss ihrer Anwendungen*, volume 1(2), pages 799–820. Leipzig: B. G. Teubner, 1904. [a French translation appeared in [97]]

[14] Julius Bauschinger and Johann Theodor Peters. *Logarithmic-trigonometrical tables with eight decimal places etc.* Leipzig: Wilhelm Engelmann, 1910–1911. [2 volumes, English introduction. See [15] for the German edition.]

[15] Julius Bauschinger and Johann Theodor Peters. *Logarithmisch-trigonometrische Tafeln mit acht Dezimalstellen etc.* Leipzig: Wilhelm Engelmann, 1910–1911. [2 volumes, German introduction. See [14] for the English edition; these volumes have been reprinted in 1936, 1958 and 1970, but the introductions vary. In particular, details of the construction of Hamann's machine were dropped in the last editions. Reconstructions are given in [73] and [74].]

[16] Henry Briggs. *Arithmetica logarithmica.* London: William Jones, 1624. [The tables were reconstructed by D. Roegel in 2010. [70]]

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[18] Heinrich Bruns. *Grundlinien des wissenschaftlichen Rechnens.* Leipzig: B. G. Teubner, 1903.

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[20] Leslie John Comrie. Logarithmic and trigonometrical tables. *Monthly Notices of the Royal Astronomical Society*, 85(4):386–388, 1925. [mentions several of Peters's tables]

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## log sin $0^g\,00^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | $-\infty$ | **100** | **50** | 5.89 50899 | **50** |
| 01 | 4.19 61199 | 99 | 51 | 5.90 36901 | 49 |
| 02 | 49 71499 | 98 | 52 | 1 21232 | 48 |
| 03 | 67 32411 | 97 | 53 | 2 03957 | 47 |
| 04 | 79 81799 | 96 | 54 | 2 85136 | 46 |
| 05 | 89 50899 | 95 | 55 | 3 64826 | 45 |
| 06 | 4.97 42711 | 94 | 56 | 4 43079 | 44 |
| 07 | 5.04 12179 | 93 | 57 | 5 19947 | 43 |
| 08 | 09 92099 | 92 | 58 | 5 95479 | 42 |
| 09 | 15 03624 | 91 | 59 | 6 69719 | 41 |
| **10** | 5.19 61199 | **90** | **60** | 5.97 42711 | **40** |
| 11 | 23 75126 | 89 | 61 | 8 14497 | 39 |
| 12 | 27 53011 | 88 | 62 | 8 85116 | 38 |
| 13 | 31 00632 | 87 | 63 | 5.99 54604 | 37 |
| 14 | 34 22479 | 86 | 64 | 6.00 22999 | 36 |
| 15 | 37 22111 | 85 | 65 | 0 90332 | 35 |
| 16 | 40 02399 | 84 | 66 | 1 56638 | 34 |
| 17 | 42 65688 | 83 | 67 | 2 21947 | 33 |
| 18 | 45 13924 | 82 | 68 | 2 86288 | 32 |
| 19 | 47 48735 | 81 | 69 | 3 49690 | 31 |
| **20** | 5.49 71499 | **80** | **70** | 6.04 12179 | **30** |
| 21 | 51 83392 | 79 | 71 | 4 73782 | 29 |
| 22 | 53 85426 | 78 | 72 | 5 34524 | 28 |
| 23 | 55 78477 | 77 | 73 | 5 94427 | 27 |
| 24 | 57 63311 | 76 | 74 | 6 53516 | 26 |
| 25 | 59 40599 | 75 | 75 | 7 11811 | 25 |
| 26 | 61 10932 | 74 | 76 | 7 69335 | 24 |
| 27 | 62 74836 | 73 | 77 | 8 26106 | 23 |
| 28 | 64 32779 | 72 | 78 | 8 82145 | 22 |
| 29 | 65 85179 | 71 | 79 | 9 37470 | 21 |
| **30** | 5.67 32411 | **70** | **80** | 6.09 92099 | **20** |
| 31 | 68 74816 | 69 | 81 | 6.10 46049 | 19 |
| 32 | 70 12699 | 68 | 82 | 0 99337 | 18 |
| 33 | 71 46338 | 67 | 83 | 1 51980 | 17 |
| 34 | 72 75988 | 66 | 84 | 2 03992 | 16 |
| 35 | 74 01879 | 65 | 85 | 2 55388 | 15 |
| 36 | 75 24224 | 64 | 86 | 3 06183 | 14 |
| 37 | 76 43216 | 63 | 87 | 3 56391 | 13 |
| 38 | 77 59035 | 62 | 88 | 4 06025 | 12 |
| 39 | 78 71845 | 61 | 89 | 4 55099 | 11 |
| **40** | 5.79 81799 | **60** | **90** | 6.15 03624 | **10** |
| 41 | 80 89037 | 59 | 91 | 5 51613 | 09 |
| 42 | 81 93692 | 58 | 92 | 5 99077 | 08 |
| 43 | 82 95883 | 57 | 93 | 6 46028 | 07 |
| 44 | 83 95726 | 56 | 94 | 6 92477 | 06 |
| 45 | 84 93324 | 55 | 95 | 7 38435 | 05 |
| 46 | 85 88777 | 54 | 96 | 7 83911 | 04 |
| 47 | 86 82177 | 53 | 97 | 8 28916 | 03 |
| 48 | 87 73611 | 52 | 98 | 8 73460 | 02 |
| 49 | 88 63160 | 51 | 99 | 9 17551 | 01 |
| **50** | 5.89 50899 | **50** | **100** | 6.19 61199 | **00** |
| | | cc | | | cc |

## log cos $99^g\,99^c$

## log sin $0^g\,01^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 6.19 61199 | **100** | **50** | 6.37 22111 | **50** |
| 01 | 6.20 04412 | 99 | 51 | 7 50968 | 49 |
| 02 | 0 47200 | 98 | 52 | 7 79635 | 48 |
| 03 | 0 89571 | 97 | 53 | 8 08113 | 47 |
| 04 | 1 31532 | 96 | 54 | 8 36406 | 46 |
| 05 | 1 73092 | 95 | 55 | 8 64516 | 45 |
| 06 | 2 14257 | 94 | 56 | 8 92445 | 44 |
| 07 | 2 55037 | 93 | 57 | 9 20195 | 43 |
| 08 | 2 95436 | 92 | 58 | 9 47770 | 42 |
| 09 | 3 35464 | 91 | 59 | 6.39 75170 | 41 |
| **10** | 6.23 75126 | **90** | **60** | 6.40 02399 | **40** |
| 11 | 4 14429 | 89 | 61 | 0 29457 | 39 |
| 12 | 4 53379 | 88 | 62 | 0 56349 | 38 |
| 13 | 4 91983 | 87 | 63 | 0 83075 | 37 |
| 14 | 5 30247 | 86 | 64 | 1 09637 | 36 |
| 15 | 5 68177 | 85 | 65 | 1 36038 | 35 |
| 16 | 6 05779 | 84 | 66 | 1 62280 | 34 |
| 17 | 6 43057 | 83 | 67 | 1 88363 | 33 |
| 18 | 6 80019 | 82 | 68 | 2 14292 | 32 |
| 19 | 7 16668 | 81 | 69 | 2 40066 | 31 |
| **20** | 6.27 53011 | **80** | **70** | 6.42 65688 | **30** |
| 21 | 7 89052 | 79 | 71 | 2 91160 | 29 |
| 22 | 8 24797 | 78 | 72 | 3 16483 | 28 |
| 23 | 8 60250 | 77 | 73 | 3 41660 | 27 |
| 24 | 8 95416 | 76 | 74 | 3 66691 | 26 |
| 25 | 9 30299 | 75 | 75 | 3 91579 | 25 |
| 26 | 9 64904 | 74 | 76 | 4 16325 | 24 |
| 27 | 6.29 99236 | 73 | 77 | 4 40931 | 23 |
| 28 | 6.30 33298 | 72 | 78 | 4 65399 | 22 |
| 29 | 0 67096 | 71 | 79 | 4 89729 | 21 |
| **30** | 6.31 00632 | **70** | **80** | 6.45 13924 | **20** |
| 31 | 1 33912 | 69 | 81 | 5 37984 | 19 |
| 32 | 1 66938 | 68 | 82 | 5 61913 | 18 |
| 33 | 1 99715 | 67 | 83 | 5 85710 | 17 |
| 34 | 2 32247 | 66 | 84 | 6 09377 | 16 |
| 35 | 2 64536 | 65 | 85 | 6 32916 | 15 |
| 36 | 2 96588 | 64 | 86 | 6 56328 | 14 |
| 37 | 3 28404 | 63 | 87 | 6 79615 | 13 |
| 38 | 3 59990 | 62 | 88 | 7 02777 | 12 |
| 39 | 3 91347 | 61 | 89 | 7 25817 | 11 |
| **40** | 6.34 22479 | **60** | **90** | 6.47 48735 | **10** |
| 41 | 4 53390 | 59 | 91 | 7 71532 | 09 |
| 42 | 4 84082 | 58 | 92 | 7 94211 | 08 |
| 43 | 5 14559 | 57 | 93 | 8 16772 | 07 |
| 44 | 5 44824 | 56 | 94 | 8 39216 | 06 |
| 45 | 5 74879 | 55 | 95 | 8 61545 | 05 |
| 46 | 6 04727 | 54 | 96 | 8 83759 | 04 |
| 47 | 6 34372 | 53 | 97 | 9 05861 | 03 |
| 48 | 6 63816 | 52 | 98 | 9 27851 | 02 |
| 49 | 6 93061 | 51 | 99 | 9 49729 | 01 |
| **50** | 6.37 22111 | **50** | **100** | 6.49 71499 | **00** |
| | | cc | | | cc |

## log cos $99^g\,98^c$

## log tg $0^g\,00^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | $-\infty$ | **100** | **50** | 5.89 50899 | **50** |
| 01 | 4.19 61199 | 99 | 51 | 5.90 36901 | 49 |
| 02 | 49 71499 | 98 | 52 | 1 21232 | 48 |
| 03 | 67 32411 | 97 | 53 | 2 03957 | 47 |
| 04 | 79 81799 | 96 | 54 | 2 85136 | 46 |
| 05 | 89 50899 | 95 | 55 | 3 64826 | 45 |
| 06 | 4.97 42711 | 94 | 56 | 4 43079 | 44 |
| 07 | 5.04 12179 | 93 | 57 | 5 19947 | 43 |
| 08 | 09 92099 | 92 | 58 | 5 95479 | 42 |
| 09 | 15 03624 | 91 | 59 | 6 69719 | 41 |
| **10** | 5.19 61199 | **90** | **60** | 5.97 42711 | **40** |
| 11 | 23 75126 | 89 | 61 | 8 14497 | 39 |
| 12 | 27 53011 | 88 | 62 | 8 85116 | 38 |
| 13 | 31 00632 | 87 | 63 | 5.99 54604 | 37 |
| 14 | 34 22479 | 86 | 64 | 6.00 22999 | 36 |
| 15 | 37 22111 | 85 | 65 | 0 90332 | 35 |
| 16 | 40 02399 | 84 | 66 | 1 56638 | 34 |
| 17 | 42 65688 | 83 | 67 | 2 21947 | 33 |
| 18 | 45 13924 | 82 | 68 | 2 86288 | 32 |
| 19 | 47 48735 | 81 | 69 | 3 49690 | 31 |
| **20** | 5.49 71499 | **80** | **70** | 6.04 12179 | **30** |
| 21 | 51 83392 | 79 | 71 | 4 73782 | 29 |
| 22 | 53 85426 | 78 | 72 | 5 34524 | 28 |
| 23 | 55 78477 | 77 | 73 | 5 94427 | 27 |
| 24 | 57 63311 | 76 | 74 | 6 53516 | 26 |
| 25 | 59 40599 | 75 | 75 | 7 11811 | 25 |
| 26 | 61 10932 | 74 | 76 | 7 69335 | 24 |
| 27 | 62 74836 | 73 | 77 | 8 26106 | 23 |
| 28 | 64 32779 | 72 | 78 | 8 82145 | 22 |
| 29 | 65 85179 | 71 | 79 | 9 37470 | 21 |
| **30** | 5.67 32411 | **70** | **80** | 6.09 92099 | **20** |
| 31 | 68 74816 | 69 | 81 | 6.10 46049 | 19 |
| 32 | 70 12699 | 68 | 82 | 0 99337 | 18 |
| 33 | 71 46338 | 67 | 83 | 1 51980 | 17 |
| 34 | 72 75988 | 66 | 84 | 2 03992 | 16 |
| 35 | 74 01879 | 65 | 85 | 2 55388 | 15 |
| 36 | 75 24224 | 64 | 86 | 3 06183 | 14 |
| 37 | 76 43216 | 63 | 87 | 3 56391 | 13 |
| 38 | 77 59035 | 62 | 88 | 4 06026 | 12 |
| 39 | 78 71845 | 61 | 89 | 4 55099 | 11 |
| **40** | 5.79 81799 | **60** | **90** | 6.15 03624 | **10** |
| 41 | 80 89037 | 59 | 91 | 5 51613 | 09 |
| 42 | 81 93692 | 58 | 92 | 5 99077 | 08 |
| 43 | 82 95883 | 57 | 93 | 6 46028 | 07 |
| 44 | 83 95726 | 56 | 94 | 6 92477 | 06 |
| 45 | 84 93324 | 55 | 95 | 7 38435 | 05 |
| 46 | 85 88777 | 54 | 96 | 7 83911 | 04 |
| 47 | 86 82177 | 53 | 97 | 8 28916 | 03 |
| 48 | 87 73611 | 52 | 98 | 8 73460 | 02 |
| 49 | 88 63160 | 51 | 99 | 9 17551 | 01 |
| **50** | 5.89 50899 | **50** | **100** | 6.19 61199 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,99^c$

## log tg $0^g\,01^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 6.19 61199 | **100** | **50** | 6.37 22111 | **50** |
| 01 | 6.20 04413 | 99 | 51 | 7 50968 | 49 |
| 02 | 0 47201 | 98 | 52 | 7 79635 | 48 |
| 03 | 0 89571 | 97 | 53 | 8 08113 | 47 |
| 04 | 1 31532 | 96 | 54 | 8 36406 | 46 |
| 05 | 1 73092 | 95 | 55 | 8 64516 | 45 |
| 06 | 2 14257 | 94 | 56 | 8 92445 | 44 |
| 07 | 2 55037 | 93 | 57 | 9 20195 | 43 |
| 08 | 2 95436 | 92 | 58 | 9 47770 | 42 |
| 09 | 3 35464 | 91 | 59 | 6.39 75170 | 41 |
| **10** | 6.23 75126 | **90** | **60** | 6.40 02399 | **40** |
| 11 | 4 14429 | 89 | 61 | 0 29458 | 39 |
| 12 | 4 53379 | 88 | 62 | 0 56349 | 38 |
| 13 | 4 91983 | 87 | 63 | 0 83075 | 37 |
| 14 | 5 30247 | 86 | 64 | 1 09637 | 36 |
| 15 | 5 68177 | 85 | 65 | 1 36038 | 35 |
| 16 | 6 05779 | 84 | 66 | 1 62280 | 34 |
| 17 | 6 43057 | 83 | 67 | 1 88364 | 33 |
| 18 | 6 80019 | 82 | 68 | 2 14292 | 32 |
| 19 | 7 16668 | 81 | 69 | 2 40066 | 31 |
| **20** | 6.27 53011 | **80** | **70** | 6.42 65688 | **30** |
| 21 | 7 89053 | 79 | 71 | 2 91160 | 29 |
| 22 | 8 24797 | 78 | 72 | 3 16483 | 28 |
| 23 | 8 60250 | 77 | 73 | 3 41660 | 27 |
| 24 | 8 95416 | 76 | 74 | 3 66691 | 26 |
| 25 | 9 30299 | 75 | 75 | 3 91579 | 25 |
| 26 | 9 64904 | 74 | 76 | 4 16326 | 24 |
| 27 | 6.29 99236 | 73 | 77 | 4 40932 | 23 |
| 28 | 6.30 33299 | 72 | 78 | 4 65399 | 22 |
| 29 | 0 67096 | 71 | 79 | 4 89729 | 21 |
| **30** | 6.31 00632 | **70** | **80** | 6.45 13924 | **20** |
| 31 | 1 33912 | 69 | 81 | 5 37985 | 19 |
| 32 | 1 66938 | 68 | 82 | 5 61913 | 18 |
| 33 | 1 99715 | 67 | 83 | 5 85710 | 17 |
| 34 | 2 32247 | 66 | 84 | 6 09377 | 16 |
| 35 | 2 64537 | 65 | 85 | 6 32916 | 15 |
| 36 | 2 96588 | 64 | 86 | 6 56328 | 14 |
| 37 | 3 28405 | 63 | 87 | 6 79615 | 13 |
| 38 | 3 59990 | 62 | 88 | 7 02777 | 12 |
| 39 | 3 91347 | 61 | 89 | 7 25817 | 11 |
| **40** | 6.34 22479 | **60** | **90** | 6.47 48735 | **10** |
| 41 | 4 53390 | 59 | 91 | 7 71533 | 09 |
| 42 | 4 84082 | 58 | 92 | 7 94211 | 08 |
| 43 | 5 14559 | 57 | 93 | 8 16772 | 07 |
| 44 | 5 44824 | 56 | 94 | 8 39216 | 06 |
| 45 | 5 74879 | 55 | 95 | 8 61545 | 05 |
| 46 | 6 04727 | 54 | 96 | 8 83760 | 04 |
| 47 | 6 34372 | 53 | 97 | 9 05861 | 03 |
| 48 | 6 63816 | 52 | 98 | 9 27851 | 02 |
| 49 | 6 93062 | 51 | 99 | 9 49730 | 01 |
| **50** | 6.37 22111 | **50** | **100** | 6.49 71499 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,98^c$

## log sin $0^g\,02^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 6.49 71499 | **100** | **50** | 6.59 40599 | **50** |
| 01 | 6.49 93159 | 99 | 51 | 9 57936 | 49 |
| 02 | 6.50 14712 | 98 | 52 | 9 75204 | 48 |
| 03 | 0 36159 | 97 | 53 | 6.59 92404 | 47 |
| 04 | 0 57500 | 96 | 54 | 6.60 09536 | 46 |
| 05 | 0 78737 | 95 | 55 | 0 26600 | 45 |
| 06 | 0 99871 | 94 | 56 | 0 43598 | 44 |
| 07 | 1 20902 | 93 | 57 | 0 60530 | 43 |
| 08 | 1 41832 | 92 | 58 | 0 77396 | 42 |
| 09 | 1 62662 | 91 | 59 | 0 94196 | 41 |
| **10** | 6.51 83392 | **90** | **60** | 6.61 10932 | **40** |
| 11 | 2 04023 | 89 | 61 | 1 27604 | 39 |
| 12 | 2 24557 | 88 | 62 | 1 44212 | 38 |
| 13 | 2 44995 | 87 | 63 | 1 60756 | 37 |
| 14 | 2 65336 | 86 | 64 | 1 77238 | 36 |
| 15 | 2 85583 | 85 | 65 | 1 93657 | 35 |
| 16 | 3 05736 | 84 | 66 | 2 10015 | 34 |
| 17 | 3 25796 | 83 | 67 | 2 26311 | 33 |
| 18 | 3 45764 | 82 | 68 | 2 42547 | 32 |
| 19 | 3 65640 | 81 | 69 | 2 58721 | 31 |
| **20** | 6.53 85425 | **80** | **70** | 6.62 74836 | **30** |
| 21 | 4 05121 | 79 | 71 | 2 90892 | 29 |
| 22 | 4 24728 | 78 | 72 | 3 06888 | 28 |
| 23 | 4 44247 | 77 | 73 | 3 22825 | 27 |
| 24 | 4 63679 | 76 | 74 | 3 38704 | 26 |
| 25 | 4 83024 | 75 | 75 | 3 54526 | 25 |
| 26 | 5 02283 | 74 | 76 | 3 70289 | 24 |
| 27 | 5 21457 | 73 | 77 | 3 85996 | 23 |
| 28 | 5 40547 | 72 | 78 | 4 01647 | 22 |
| 29 | 5 59554 | 71 | 79 | 4 17241 | 21 |
| **30** | 6.55 78477 | **70** | **80** | 6.64 32779 | **20** |
| 31 | 5 97318 | 69 | 81 | 4 48262 | 19 |
| 32 | 6 16079 | 68 | 82 | 4 63690 | 18 |
| 33 | 6 34758 | 67 | 83 | 4 79063 | 17 |
| 34 | 6 53357 | 66 | 84 | 4 94382 | 16 |
| 35 | 6 71877 | 65 | 85 | 5 09647 | 15 |
| 36 | 6 90319 | 64 | 86 | 5 24859 | 14 |
| 37 | 7 08682 | 63 | 87 | 5 40018 | 13 |
| 38 | 7 26968 | 62 | 88 | 5 55123 | 12 |
| 39 | 7 45178 | 61 | 89 | 5 70177 | 11 |
| **40** | 6.57 63311 | **60** | **90** | 6.65 85179 | **10** |
| 41 | 7 81369 | 59 | 91 | 6 00129 | 09 |
| 42 | 7 99352 | 58 | 92 | 6 15027 | 08 |
| 43 | 8 17261 | 57 | 93 | 6 29875 | 07 |
| 44 | 8 35097 | 56 | 94 | 6 44672 | 06 |
| 45 | 8 52860 | 55 | 95 | 6 59419 | 05 |
| 46 | 8 70550 | 54 | 96 | 6 74116 | 04 |
| 47 | 8 88168 | 53 | 97 | 6 88763 | 03 |
| 48 | 9 05715 | 52 | 98 | 7 03361 | 02 |
| 49 | 9 23192 | 51 | 99 | 7 17910 | 01 |
| **50** | 6.59 40599 | **50** | **100** | 6.67 32411 | **00** |
| | | cc | | | cc |

## log cos $99^g\,97^c$

## log sin $0^g\,03^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 6.67 32411 | **100** | **50** | 6.74 01879 | **50** |
| 01 | 7 46864 | 99 | 51 | 4 14270 | 49 |
| 02 | 7 61268 | 98 | 52 | 4 26625 | 48 |
| 03 | 7 75625 | 97 | 53 | 4 38946 | 47 |
| 04 | 7 89934 | 96 | 54 | 4 51231 | 46 |
| 05 | 8 04197 | 95 | 55 | 4 63482 | 45 |
| 06 | 8 18413 | 94 | 56 | 4 75699 | 44 |
| 07 | 8 32582 | 93 | 57 | 4 87881 | 43 |
| 08 | 8 46706 | 92 | 58 | 5 00029 | 42 |
| 09 | 8 60783 | 91 | 59 | 5 12143 | 41 |
| **10** | 6.68 74816 | **90** | **60** | 6.75 24224 | **40** |
| 11 | 8 88802 | 89 | 61 | 5 36271 | 39 |
| 12 | 9 02745 | 88 | 62 | 5 48284 | 38 |
| 13 | 9 16642 | 87 | 63 | 5 60265 | 37 |
| 14 | 9 30495 | 86 | 64 | 5 72212 | 36 |
| 15 | 9 44304 | 85 | 65 | 5 84127 | 35 |
| 16 | 9 58069 | 84 | 66 | 5 96009 | 34 |
| 17 | 9 71791 | 83 | 67 | 6 07859 | 33 |
| 18 | 9 85470 | 82 | 68 | 6 19677 | 32 |
| 19 | 6.69 99105 | 81 | 69 | 6 31462 | 31 |
| **20** | 6.70 12698 | **80** | **70** | 6.76 43216 | **30** |
| 21 | 0 26249 | 79 | 71 | 6 54938 | 29 |
| 22 | 0 39757 | 78 | 72 | 6 66628 | 28 |
| 23 | 0 53224 | 77 | 73 | 6 78287 | 27 |
| 24 | 0 66649 | 76 | 74 | 6 89915 | 26 |
| 25 | 0 80032 | 75 | 75 | 7 01511 | 25 |
| 26 | 0 93375 | 74 | 76 | 7 13077 | 24 |
| 27 | 1 06676 | 73 | 77 | 7 24612 | 23 |
| 28 | 1 19937 | 72 | 78 | 7 36117 | 22 |
| 29 | 1 33158 | 71 | 79 | 7 47591 | 21 |
| **30** | 6.71 46338 | **70** | **80** | 6.77 59034 | **20** |
| 31 | 1 59479 | 69 | 81 | 7 70448 | 19 |
| 32 | 1 72579 | 68 | 82 | 7 81832 | 18 |
| 33 | 1 85641 | 67 | 83 | 7 93186 | 17 |
| 34 | 1 98663 | 66 | 84 | 8 04511 | 16 |
| 35 | 2 11647 | 65 | 85 | 8 15806 | 15 |
| 36 | 2 24591 | 64 | 86 | 8 27072 | 14 |
| 37 | 2 37498 | 63 | 87 | 8 38308 | 13 |
| 38 | 2 50366 | 62 | 88 | 8 49516 | 12 |
| 39 | 2 63196 | 61 | 89 | 8 60695 | 11 |
| **40** | 6.72 75988 | **60** | **90** | 6.78 71845 | **10** |
| 41 | 2 88742 | 59 | 91 | 8 82966 | 09 |
| 42 | 3 01460 | 58 | 92 | 8 94059 | 08 |
| 43 | 3 14140 | 57 | 93 | 9 05124 | 07 |
| 44 | 3 26783 | 56 | 94 | 9 16161 | 06 |
| 45 | 3 39390 | 55 | 95 | 9 27169 | 05 |
| 46 | 3 51960 | 54 | 96 | 9 38150 | 04 |
| 47 | 3 64493 | 53 | 97 | 9 49104 | 03 |
| 48 | 3 76991 | 52 | 98 | 9 60029 | 02 |
| 49 | 3 89453 | 51 | 99 | 9 70927 | 01 |
| **50** | 6.74 01879 | **50** | **100** | 6.79 81798 | **00** |
| | | cc | | | cc |

## log cos $99^g\,96^c$

## log tg $0^g\,02^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 6.49 71499 | **100** | **50** | 6.59 40599 | **50** |
| 01 | 6.49 93159 | 99 | 51 | 9 57936 | 49 |
| 02 | 6.50 14713 | 98 | 52 | 9 75204 | 48 |
| 03 | 0 36159 | 97 | 53 | 6.59 92404 | 47 |
| 04 | 0 57501 | 96 | 54 | 6.60 09536 | 46 |
| 05 | 0 78738 | 95 | 55 | 0 26601 | 45 |
| 06 | 0 99871 | 94 | 56 | 0 43599 | 44 |
| 07 | 1 20902 | 93 | 57 | 0 60530 | 43 |
| 08 | 1 41832 | 92 | 58 | 0 77396 | 42 |
| 09 | 1 62662 | 91 | 59 | 0 94197 | 41 |
| **10** | 6.51 83392 | **90** | **60** | 6.61 10932 | **40** |
| 11 | 2 04023 | 89 | 61 | 1 27604 | 39 |
| 12 | 2 24558 | 88 | 62 | 1 44212 | 38 |
| 13 | 2 44995 | 87 | 63 | 1 60757 | 37 |
| 14 | 2 65337 | 86 | 64 | 1 77238 | 36 |
| 15 | 2 85584 | 85 | 65 | 1 93658 | 35 |
| 16 | 3 05736 | 84 | 66 | 2 10015 | 34 |
| 17 | 3 25796 | 83 | 67 | 2 26312 | 33 |
| 18 | 3 45764 | 82 | 68 | 2 42547 | 32 |
| 19 | 3 65640 | 81 | 69 | 2 58722 | 31 |
| **20** | 6.53 85426 | **80** | **70** | 6.62 74837 | **30** |
| 21 | 4 05122 | 79 | 71 | 2 90892 | 29 |
| 22 | 4 24729 | 78 | 72 | 3 06888 | 28 |
| 23 | 4 44248 | 77 | 73 | 3 22826 | 27 |
| 24 | 4 63679 | 76 | 74 | 3 38705 | 26 |
| 25 | 4 83024 | 75 | 75 | 3 54526 | 25 |
| 26 | 5 02283 | 74 | 76 | 3 70290 | 24 |
| 27 | 5 21458 | 73 | 77 | 3 85997 | 23 |
| 28 | 5 40547 | 72 | 78 | 4 01647 | 22 |
| 29 | 5 59554 | 71 | 79 | 4 17241 | 21 |
| **30** | 6.55 78477 | **70** | **80** | 6.64 32779 | **20** |
| 31 | 5 97319 | 69 | 81 | 4 48262 | 19 |
| 32 | 6 16079 | 68 | 82 | 4 63690 | 18 |
| 33 | 6 34758 | 67 | 83 | 4 79063 | 17 |
| 34 | 6 53358 | 66 | 84 | 4 94382 | 16 |
| 35 | 6 71878 | 65 | 85 | 5 09648 | 15 |
| 36 | 6 90319 | 64 | 86 | 5 24859 | 14 |
| 37 | 7 08682 | 63 | 87 | 5 40018 | 13 |
| 38 | 7 26969 | 62 | 88 | 5 55124 | 12 |
| 39 | 7 45178 | 61 | 89 | 5 70177 | 11 |
| **40** | 6.57 63311 | **60** | **90** | 6.65 85179 | **10** |
| 41 | 7 81369 | 59 | 91 | 6 00129 | 09 |
| 42 | 7 99353 | 58 | 92 | 6 15028 | 08 |
| 43 | 8 17262 | 57 | 93 | 6 29875 | 07 |
| 44 | 8 35097 | 56 | 94 | 6 44672 | 06 |
| 45 | 8 52860 | 55 | 95 | 6 59419 | 05 |
| 46 | 8 70550 | 54 | 96 | 6 74116 | 04 |
| 47 | 8 88169 | 53 | 97 | 6 88764 | 03 |
| 48 | 9 05716 | 52 | 98 | 7 03362 | 02 |
| 49 | 9 23192 | 51 | 99 | 7 17911 | 01 |
| **50** | 6.59 40599 | **50** | **100** | 6.67 32412 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,97^c$

## log tg $0^g\,03^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 6.67 32412 | **100** | **50** | 6.74 01880 | **50** |
| 01 | 7 46864 | 99 | 51 | 4 14270 | 49 |
| 02 | 7 61269 | 98 | 52 | 4 26626 | 48 |
| 03 | 7 75625 | 97 | 53 | 4 38946 | 47 |
| 04 | 7 89935 | 96 | 54 | 4 51232 | 46 |
| 05 | 8 04197 | 95 | 55 | 4 63483 | 45 |
| 06 | 8 18413 | 94 | 56 | 4 75699 | 44 |
| 07 | 8 32583 | 93 | 57 | 4 87881 | 43 |
| 08 | 8 46706 | 92 | 58 | 5 00029 | 42 |
| 09 | 8 60784 | 91 | 59 | 5 12144 | 41 |
| **10** | 6.68 74816 | **90** | **60** | 6.75 24224 | **40** |
| 11 | 8 88803 | 89 | 61 | 5 36271 | 39 |
| 12 | 9 02745 | 88 | 62 | 5 48285 | 38 |
| 13 | 9 16642 | 87 | 63 | 5 60265 | 37 |
| 14 | 9 30496 | 86 | 64 | 5 72213 | 36 |
| 15 | 9 44305 | 85 | 65 | 5 84128 | 35 |
| 16 | 9 58070 | 84 | 66 | 5 96010 | 34 |
| 17 | 9 71792 | 83 | 67 | 6 07860 | 33 |
| 18 | 9 85470 | 82 | 68 | 6 19677 | 32 |
| 19 | 6.69 99106 | 81 | 69 | 6 31463 | 31 |
| **20** | 6.70 12699 | **80** | **70** | 6.76 43216 | **30** |
| 21 | 0 26249 | 79 | 71 | 6 54938 | 29 |
| 22 | 0 39758 | 78 | 72 | 6 66629 | 28 |
| 23 | 0 53224 | 77 | 73 | 6 78288 | 27 |
| 24 | 0 66649 | 76 | 74 | 6 89915 | 26 |
| 25 | 0 80033 | 75 | 75 | 7 01512 | 25 |
| 26 | 0 93375 | 74 | 76 | 7 13078 | 24 |
| 27 | 1 06677 | 73 | 77 | 7 24613 | 23 |
| 28 | 1 19938 | 72 | 78 | 7 36117 | 22 |
| 29 | 1 33158 | 71 | 79 | 7 47591 | 21 |
| **30** | 6.71 46339 | **70** | **80** | 6.77 59035 | **20** |
| 31 | 1 59479 | 69 | 81 | 7 70449 | 19 |
| 32 | 1 72580 | 68 | 82 | 7 81833 | 18 |
| 33 | 1 85642 | 67 | 83 | 7 93187 | 17 |
| 34 | 1 98664 | 66 | 84 | 8 04512 | 16 |
| 35 | 2 11647 | 65 | 85 | 8 15807 | 15 |
| 36 | 2 24592 | 64 | 86 | 8 27072 | 14 |
| 37 | 2 37498 | 63 | 87 | 8 38309 | 13 |
| 38 | 2 50366 | 62 | 88 | 8 49517 | 12 |
| 39 | 2 63196 | 61 | 89 | 8 60695 | 11 |
| **40** | 6.72 75988 | **60** | **90** | 6.78 71845 | **10** |
| 41 | 2 88743 | 59 | 91 | 8 82967 | 09 |
| 42 | 3 01460 | 58 | 92 | 8 94060 | 08 |
| 43 | 3 14140 | 57 | 93 | 9 05125 | 07 |
| 44 | 3 26784 | 56 | 94 | 9 16162 | 06 |
| 45 | 3 39390 | 55 | 95 | 9 27170 | 05 |
| 46 | 3 51960 | 54 | 96 | 9 38151 | 04 |
| 47 | 3 64494 | 53 | 97 | 9 49104 | 03 |
| 48 | 3 76992 | 52 | 98 | 9 60030 | 02 |
| 49 | 3 89453 | 51 | 99 | 9 70928 | 01 |
| **50** | 6.74 01880 | **50** | **100** | 6.79 81799 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,96^c$

## log sin $0^g\,04^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 6.79 81798 | **100** | **50** | 6.84 93324 | **50** |
| 01 | 6.79 92642 | 99 | 51 | 6.85 02964 | 49 |
| 02 | 6.80 03459 | 98 | 52 | 12583 | 48 |
| 03 | 14249 | 97 | 53 | 22180 | 47 |
| 04 | 25012 | 96 | 54 | 31757 | 46 |
| 05 | 35749 | 95 | 55 | 41312 | 45 |
| 06 | 46459 | 94 | 56 | 50847 | 44 |
| 07 | 57143 | 93 | 57 | 60360 | 43 |
| 08 | 67800 | 92 | 58 | 69853 | 42 |
| 09 | 78432 | 91 | 59 | 79325 | 41 |
| **10** | 6.80 89037 | **90** | **60** | 6.85 88777 | **40** |
| 11 | 6.80 99617 | 89 | 61 | 6.85 98208 | 39 |
| 12 | 6.81 10171 | 88 | 62 | 6.86 07618 | 38 |
| 13 | 20699 | 87 | 63 | 17008 | 37 |
| 14 | 31202 | 86 | 64 | 26378 | 36 |
| 15 | 41679 | 85 | 65 | 35728 | 35 |
| 16 | 52132 | 84 | 66 | 45058 | 34 |
| 17 | 62559 | 83 | 67 | 54367 | 33 |
| 18 | 72961 | 82 | 68 | 63657 | 32 |
| 19 | 83339 | 81 | 69 | 72927 | 31 |
| **20** | 6.81 93691 | **80** | **70** | 6.86 82177 | **30** |
| 21 | 6.82 04019 | 79 | 71 | 6.86 91407 | 29 |
| 22 | 14323 | 78 | 72 | 6.87 00618 | 28 |
| 23 | 24602 | 77 | 73 | 09810 | 27 |
| 24 | 34857 | 76 | 74 | 18982 | 26 |
| 25 | 45088 | 75 | 75 | 28134 | 25 |
| 26 | 55294 | 74 | 76 | 37268 | 24 |
| 27 | 65477 | 73 | 77 | 46382 | 23 |
| 28 | 75636 | 72 | 78 | 55477 | 22 |
| 29 | 85771 | 71 | 79 | 64553 | 21 |
| **30** | 6.82 95883 | **70** | **80** | 6.87 73611 | **20** |
| 31 | 6.83 05971 | 69 | 81 | 82649 | 19 |
| 32 | 16036 | 68 | 82 | 6.87 91669 | 18 |
| 33 | 26077 | 67 | 83 | 6.88 00670 | 17 |
| 34 | 36096 | 66 | 84 | 09652 | 16 |
| 35 | 46091 | 65 | 85 | 18616 | 15 |
| 36 | 56063 | 64 | 86 | 27561 | 14 |
| 37 | 66013 | 63 | 87 | 36488 | 13 |
| 38 | 75940 | 62 | 88 | 45397 | 12 |
| 39 | 85844 | 61 | 89 | 54287 | 11 |
| **40** | 6.83 95725 | **60** | **90** | 6.88 63159 | **10** |
| 41 | 6.84 05584 | 59 | 91 | 72013 | 09 |
| 42 | 15421 | 58 | 92 | 80849 | 08 |
| 43 | 25236 | 57 | 93 | 89668 | 07 |
| 44 | 35028 | 56 | 94 | 6.88 98468 | 06 |
| 45 | 44799 | 55 | 95 | 6.89 07250 | 05 |
| 46 | 54547 | 54 | 96 | 16015 | 04 |
| 47 | 64274 | 53 | 97 | 24762 | 03 |
| 48 | 73979 | 52 | 98 | 33492 | 02 |
| 49 | 83662 | 51 | 99 | 42204 | 01 |
| **50** | 6.84 93324 | **50** | **100** | 6.89 50898 | **00** |
| | | cc | | | cc |

## log sin $0^g\,05^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 6.89 50898 | **100** | **50** | 6.93 64825 | **50** |
| 01 | 59576 | 99 | 51 | 72714 | 49 |
| 02 | 68235 | 98 | 52 | 80589 | 48 |
| 03 | 76878 | 97 | 53 | 88450 | 47 |
| 04 | 85504 | 96 | 54 | 6.93 96296 | 46 |
| 05 | 6.89 94112 | 95 | 55 | 6.94 04128 | 45 |
| 06 | 6.90 02703 | 94 | 56 | 11946 | 44 |
| 07 | 11278 | 93 | 57 | 19750 | 43 |
| 08 | 19835 | 92 | 58 | 27540 | 42 |
| 09 | 28376 | 91 | 59 | 35316 | 41 |
| **10** | 6.90 36900 | **90** | **60** | 6.94 43078 | **40** |
| 11 | 45407 | 89 | 61 | 50827 | 39 |
| 12 | 53898 | 88 | 62 | 58561 | 38 |
| 13 | 62372 | 87 | 63 | 66282 | 37 |
| 14 | 70829 | 86 | 64 | 73989 | 36 |
| 15 | 79271 | 85 | 65 | 81683 | 35 |
| 16 | 87695 | 84 | 66 | 89363 | 34 |
| 17 | 6.90 96104 | 83 | 67 | 6.94 97029 | 33 |
| 18 | 6.91 04496 | 82 | 68 | 6.95 04682 | 32 |
| 19 | 12872 | 81 | 69 | 12321 | 31 |
| **20** | 6.91 21232 | **80** | **70** | 6.95 19947 | **30** |
| 21 | 29576 | 79 | 71 | 27559 | 29 |
| 22 | 37903 | 78 | 72 | 35158 | 28 |
| 23 | 46215 | 77 | 73 | 42744 | 27 |
| 24 | 54511 | 76 | 74 | 50317 | 26 |
| 25 | 62791 | 75 | 75 | 57877 | 25 |
| 26 | 71056 | 74 | 76 | 65423 | 24 |
| 27 | 79304 | 73 | 77 | 72956 | 23 |
| 28 | 87537 | 72 | 78 | 80477 | 22 |
| 29 | 6.91 95755 | 71 | 79 | 87984 | 21 |
| **30** | 6.92 03957 | **70** | **80** | 6.95 95478 | **20** |
| 31 | 12143 | 69 | 81 | 6.96 02959 | 19 |
| 32 | 20315 | 68 | 82 | 10428 | 18 |
| 33 | 28470 | 67 | 83 | 17884 | 17 |
| 34 | 36611 | 66 | 84 | 25327 | 16 |
| 35 | 44736 | 65 | 85 | 32757 | 15 |
| 36 | 52846 | 64 | 86 | 40174 | 14 |
| 37 | 60941 | 63 | 87 | 47579 | 13 |
| 38 | 69021 | 62 | 88 | 54971 | 12 |
| 39 | 77086 | 61 | 89 | 62351 | 11 |
| **40** | 6.92 85136 | **60** | **90** | 6.96 69718 | **10** |
| 41 | 6.92 93171 | 59 | 91 | 77073 | 09 |
| 42 | 6.93 01191 | 58 | 92 | 84415 | 08 |
| 43 | 09197 | 57 | 93 | 91745 | 07 |
| 44 | 17187 | 56 | 94 | 6.96 99063 | 06 |
| 45 | 25163 | 55 | 95 | 6.97 06368 | 05 |
| 46 | 33125 | 54 | 96 | 13661 | 04 |
| 47 | 41071 | 53 | 97 | 20941 | 03 |
| 48 | 49004 | 52 | 98 | 28210 | 02 |
| 49 | 56922 | 51 | 99 | 35466 | 01 |
| **50** | 6.93 64825 | **50** | **100** | 6.97 42711 | **00** |
| | | cc | | | cc |

## log cos $99^g\,95^c$

## log cos $99^g\,94^c$

## log tg $0^g\,04^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 6.79 81799 | **100** | **50** | 6.84 93325 | **50** |
| 01 | 6.79 92643 | 99 | 51 | 6.85 02965 | 49 |
| 02 | 6.80 03460 | 98 | 52 | 12584 | 48 |
| 03 | 14250 | 97 | 53 | 22182 | 47 |
| 04 | 25013 | 96 | 54 | 31758 | 46 |
| 05 | 35750 | 95 | 55 | 41313 | 45 |
| 06 | 46460 | 94 | 56 | 50848 | 44 |
| 07 | 57143 | 93 | 57 | 60362 | 43 |
| 08 | 67801 | 92 | 58 | 69854 | 42 |
| 09 | 78432 | 91 | 59 | 79326 | 41 |
| **10** | 6.80 89038 | **90** | **60** | 6.85 88778 | **40** |
| 11 | 6.80 99618 | 89 | 61 | 6.85 98209 | 39 |
| 12 | 6.81 10172 | 88 | 62 | 6.86 07619 | 38 |
| 13 | 20700 | 87 | 63 | 17009 | 37 |
| 14 | 31203 | 86 | 64 | 26379 | 36 |
| 15 | 41680 | 85 | 65 | 35729 | 35 |
| 16 | 52133 | 84 | 66 | 45059 | 34 |
| 17 | 62560 | 83 | 67 | 54368 | 33 |
| 18 | 72962 | 82 | 68 | 63658 | 32 |
| 19 | 83340 | 81 | 69 | 72928 | 31 |
| **20** | 6.81 93692 | **80** | **70** | 6.86 82178 | **30** |
| 21 | 6.82 04020 | 79 | 71 | 6.86 91409 | 29 |
| 22 | 14324 | 78 | 72 | 6.87 00620 | 28 |
| 23 | 24603 | 77 | 73 | 09811 | 27 |
| 24 | 34858 | 76 | 74 | 18983 | 26 |
| 25 | 45089 | 75 | 75 | 28136 | 25 |
| 26 | 55295 | 74 | 76 | 37269 | 24 |
| 27 | 65478 | 73 | 77 | 46383 | 23 |
| 28 | 75637 | 72 | 78 | 55479 | 22 |
| 29 | 85772 | 71 | 79 | 64555 | 21 |
| **30** | 6.82 95884 | **70** | **80** | 6.87 73612 | **20** |
| 31 | 6.83 05972 | 69 | 81 | 82650 | 19 |
| 32 | 16037 | 68 | 82 | 6.87 91670 | 18 |
| 33 | 26078 | 67 | 83 | 6.88 00671 | 17 |
| 34 | 36097 | 66 | 84 | 09653 | 16 |
| 35 | 46092 | 65 | 85 | 18617 | 15 |
| 36 | 56064 | 64 | 86 | 27562 | 14 |
| 37 | 66014 | 63 | 87 | 36489 | 13 |
| 38 | 75941 | 62 | 88 | 45398 | 12 |
| 39 | 85845 | 61 | 89 | 54288 | 11 |
| **40** | 6.83 95726 | **60** | **90** | 6.88 63160 | **10** |
| 41 | 6.84 05585 | 59 | 91 | 72015 | 09 |
| 42 | 15422 | 58 | 92 | 80851 | 08 |
| 43 | 25237 | 57 | 93 | 89669 | 07 |
| 44 | 35029 | 56 | 94 | 6.88 98469 | 06 |
| 45 | 44800 | 55 | 95 | 6.89 07252 | 05 |
| 46 | 54548 | 54 | 96 | 16016 | 04 |
| 47 | 64275 | 53 | 97 | 24764 | 03 |
| 48 | 73980 | 52 | 98 | 33493 | 02 |
| 49 | 83663 | 51 | 99 | 42205 | 01 |
| **50** | 6.84 93325 | **50** | **100** | 6.89 50900 | **00** |
| | | cc | | | cc |

## log tg $0^g\,05^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 6.89 50900 | **100** | **50** | 6.93 64827 | **50** |
| 01 | 59577 | 99 | 51 | 72716 | 49 |
| 02 | 68237 | 98 | 52 | 80591 | 48 |
| 03 | 76880 | 97 | 53 | 88451 | 47 |
| 04 | 85505 | 96 | 54 | 6.93 96298 | 46 |
| 05 | 6.89 94113 | 95 | 55 | 6.94 04130 | 45 |
| 06 | 6.90 02705 | 94 | 56 | 11948 | 44 |
| 07 | 11279 | 93 | 57 | 19752 | 43 |
| 08 | 19837 | 92 | 58 | 27542 | 42 |
| 09 | 28378 | 91 | 59 | 35318 | 41 |
| **10** | 6.90 36901 | **90** | **60** | 6.94 43080 | **40** |
| 11 | 45409 | 89 | 61 | 50829 | 39 |
| 12 | 53899 | 88 | 62 | 58563 | 38 |
| 13 | 62373 | 87 | 63 | 66284 | 37 |
| 14 | 70831 | 86 | 64 | 73991 | 36 |
| 15 | 79272 | 85 | 65 | 81684 | 35 |
| 16 | 87697 | 84 | 66 | 89364 | 34 |
| 17 | 6.90 96105 | 83 | 67 | 6.94 97031 | 33 |
| 18 | 6.91 04497 | 82 | 68 | 6.95 04683 | 32 |
| 19 | 12873 | 81 | 69 | 12323 | 31 |
| **20** | 6.91 21233 | **80** | **70** | 6.95 19948 | **30** |
| 21 | 29577 | 79 | 71 | 27561 | 29 |
| 22 | 37905 | 78 | 72 | 35160 | 28 |
| 23 | 46217 | 77 | 73 | 42746 | 27 |
| 24 | 54513 | 76 | 74 | 50319 | 26 |
| 25 | 62793 | 75 | 75 | 57878 | 25 |
| 26 | 71057 | 74 | 76 | 65425 | 24 |
| 27 | 79306 | 73 | 77 | 72958 | 23 |
| 28 | 87539 | 72 | 78 | 80478 | 22 |
| 29 | 6.91 95756 | 71 | 79 | 87986 | 21 |
| **30** | 6.92 03958 | **70** | **80** | 6.95 95480 | **20** |
| 31 | 12145 | 69 | 81 | 6.96 02961 | 19 |
| 32 | 20316 | 68 | 82 | 10430 | 18 |
| 33 | 28472 | 67 | 83 | 17886 | 17 |
| 34 | 36612 | 66 | 84 | 25328 | 16 |
| 35 | 44738 | 65 | 85 | 32759 | 15 |
| 36 | 52848 | 64 | 86 | 40176 | 14 |
| 37 | 60943 | 63 | 87 | 47581 | 13 |
| 38 | 69023 | 62 | 88 | 54973 | 12 |
| 39 | 77087 | 61 | 89 | 62353 | 11 |
| **40** | 6.92 85137 | **60** | **90** | 6.96 69720 | **10** |
| 41 | 6.92 93172 | 59 | 91 | 77075 | 09 |
| 42 | 6.93 01193 | 58 | 92 | 84417 | 08 |
| 43 | 09198 | 57 | 93 | 91747 | 07 |
| 44 | 17189 | 56 | 94 | 6.96 99064 | 06 |
| 45 | 25165 | 55 | 95 | 6.97 06370 | 05 |
| 46 | 33126 | 54 | 96 | 13663 | 04 |
| 47 | 41073 | 53 | 97 | 20943 | 03 |
| 48 | 49005 | 52 | 98 | 28212 | 02 |
| 49 | 56923 | 51 | 99 | 35468 | 01 |
| **50** | 6.93 64827 | **50** | **100** | 6.97 42713 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,95^c$

## log ctg $99^g\,94^c$

## log sin $0^g\,06^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 6.97 42711 | **100** | **50** | 7.00 90332 | **50** |
| 01 | 49943 | 99 | 51 | 7.00 97008 | 49 |
| 02 | 57163 | 98 | 52 | 7.01 03674 | 48 |
| 03 | 64371 | 97 | 53 | 10330 | 47 |
| 04 | 71568 | 96 | 54 | 16975 | 46 |
| 05 | 78752 | 95 | 55 | 23611 | 45 |
| 06 | 85924 | 94 | 56 | 30236 | 44 |
| 07 | 6.97 93085 | 93 | 57 | 36852 | 43 |
| 08 | 6.98 00234 | 92 | 58 | 43457 | 42 |
| 09 | 07371 | 91 | 59 | 50052 | 41 |
| **10** | 6.98 14496 | **90** | **60** | 7.01 56637 | **40** |
| 11 | 21610 | 89 | 61 | 63213 | 39 |
| 12 | 28712 | 88 | 62 | 69778 | 38 |
| 13 | 35803 | 87 | 63 | 76333 | 37 |
| 14 | 42882 | 86 | 64 | 82879 | 36 |
| 15 | 49949 | 85 | 65 | 89414 | 35 |
| 16 | 57005 | 84 | 66 | 7.01 95940 | 34 |
| 17 | 64050 | 83 | 67 | 7.02 02456 | 33 |
| 18 | 71083 | 82 | 68 | 08963 | 32 |
| 19 | 78105 | 81 | 69 | 15459 | 31 |
| **20** | 6.98 85115 | **80** | **70** | 7.02 21946 | **30** |
| 21 | 92114 | 79 | 71 | 28423 | 29 |
| 22 | 6.98 99102 | 78 | 72 | 34891 | 28 |
| 23 | 6.99 06079 | 77 | 73 | 41349 | 27 |
| 24 | 13044 | 76 | 74 | 47797 | 26 |
| 25 | 19998 | 75 | 75 | 54236 | 25 |
| 26 | 26941 | 74 | 76 | 60665 | 24 |
| 27 | 33873 | 73 | 77 | 67085 | 23 |
| 28 | 40795 | 72 | 78 | 73495 | 22 |
| 29 | 47705 | 71 | 79 | 79896 | 21 |
| **30** | 6.99 54604 | **70** | **80** | 7.02 86287 | **20** |
| 31 | 61492 | 69 | 81 | 92669 | 19 |
| 32 | 68369 | 68 | 82 | 7.02 99042 | 18 |
| 33 | 75235 | 67 | 83 | 7.03 05405 | 17 |
| 34 | 82091 | 66 | 84 | 11759 | 16 |
| 35 | 88935 | 65 | 85 | 18104 | 15 |
| 36 | 6.99 95769 | 64 | 86 | 24439 | 14 |
| 37 | 7.00 02592 | 63 | 87 | 30765 | 13 |
| 38 | 09405 | 62 | 88 | 37082 | 12 |
| 39 | 16207 | 61 | 89 | 43390 | 11 |
| **40** | 7.00 22998 | **60** | **90** | 7.03 49689 | **10** |
| 41 | 29778 | 59 | 91 | 55978 | 09 |
| 42 | 36548 | 58 | 92 | 62259 | 08 |
| 43 | 43308 | 57 | 93 | 68530 | 07 |
| 44 | 50057 | 56 | 94 | 74793 | 06 |
| 45 | 56795 | 55 | 95 | 81046 | 05 |
| 46 | 63523 | 54 | 96 | 87290 | 04 |
| 47 | 70241 | 53 | 97 | 93526 | 03 |
| 48 | 76948 | 52 | 98 | 7.03 99752 | 02 |
| 49 | 83645 | 51 | 99 | 7.04 05970 | 01 |
| **50** | 7.00 90332 | **50** | **100** | 7.04 12178 | **00** |
| | | cc | | | cc |

## log sin $0^g\,07^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.04 12178 | **100** | **50** | 7.07 11810 | **50** |
| 01 | 18378 | 99 | 51 | 17597 | 49 |
| 02 | 24569 | 98 | 52 | 23376 | 48 |
| 03 | 30751 | 97 | 53 | 29148 | 47 |
| 04 | 36924 | 96 | 54 | 34911 | 46 |
| 05 | 43089 | 95 | 55 | 40667 | 45 |
| 06 | 49245 | 94 | 56 | 46416 | 44 |
| 07 | 55392 | 93 | 57 | 52157 | 43 |
| 08 | 61530 | 92 | 58 | 57890 | 42 |
| 09 | 67660 | 91 | 59 | 63616 | 41 |
| **10** | 7.04 73781 | **90** | **60** | 7.07 69334 | **40** |
| 11 | 79894 | 89 | 61 | 75044 | 39 |
| 12 | 85998 | 88 | 62 | 80747 | 38 |
| 13 | 92093 | 87 | 63 | 86443 | 37 |
| 14 | 7.04 98180 | 86 | 64 | 92131 | 36 |
| 15 | 7.05 04258 | 85 | 65 | 7.07 97812 | 35 |
| 16 | 10328 | 84 | 66 | 7.08 03485 | 34 |
| 17 | 16389 | 83 | 67 | 09151 | 33 |
| 18 | 22442 | 82 | 68 | 14810 | 32 |
| 19 | 28487 | 81 | 69 | 20461 | 31 |
| **20** | 7.05 34523 | **80** | **70** | 7.08 26105 | **30** |
| 21 | 40550 | 79 | 71 | 31741 | 29 |
| 22 | 46570 | 78 | 72 | 37371 | 28 |
| 23 | 52581 | 77 | 73 | 42993 | 27 |
| 24 | 58583 | 76 | 74 | 48607 | 26 |
| 25 | 64578 | 75 | 75 | 54215 | 25 |
| 26 | 70564 | 74 | 76 | 59815 | 24 |
| 27 | 76542 | 73 | 77 | 65408 | 23 |
| 28 | 82512 | 72 | 78 | 70994 | 22 |
| 29 | 88473 | 71 | 79 | 76572 | 21 |
| **30** | 7.05 94426 | **70** | **80** | 7.08 82144 | **20** |
| 31 | 7.06 00372 | 69 | 81 | 87708 | 19 |
| 32 | 06309 | 68 | 82 | 93265 | 18 |
| 33 | 12238 | 67 | 83 | 7.08 98815 | 17 |
| 34 | 18158 | 66 | 84 | 7.09 04358 | 16 |
| 35 | 24071 | 65 | 85 | 09894 | 15 |
| 36 | 29976 | 64 | 86 | 15423 | 14 |
| 37 | 35873 | 63 | 87 | 20945 | 13 |
| 38 | 41761 | 62 | 88 | 26460 | 12 |
| 39 | 47642 | 61 | 89 | 31968 | 11 |
| **40** | 7.06 53515 | **60** | **90** | 7.09 37469 | **10** |
| 41 | 59380 | 59 | 91 | 42962 | 09 |
| 42 | 65237 | 58 | 92 | 48449 | 08 |
| 43 | 71086 | 57 | 93 | 53930 | 07 |
| 44 | 76927 | 56 | 94 | 59403 | 06 |
| 45 | 82761 | 55 | 95 | 64869 | 05 |
| 46 | 88586 | 54 | 96 | 70328 | 04 |
| 47 | 7.06 94404 | 53 | 97 | 75781 | 03 |
| 48 | 7.07 00214 | 52 | 98 | 81227 | 02 |
| 49 | 06016 | 51 | 99 | 86665 | 01 |
| **50** | 7.07 11810 | **50** | **100** | 7.09 92097 | **00** |
| | | cc | | | cc |

## log cos $99^g\,93^c$

## log cos $99^g\,92^c$

## log tg $0^g\,06^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 6.97 42713 | **100** | **50** | 7.00 90334 | **50** |
| 01 | 49945 | 99 | 51 | 7.00 97010 | 49 |
| 02 | 57165 | 98 | 52 | 7.01 03676 | 48 |
| 03 | 64373 | 97 | 53 | 10332 | 47 |
| 04 | 71569 | 96 | 54 | 16978 | 46 |
| 05 | 78754 | 95 | 55 | 23613 | 45 |
| 06 | 85926 | 94 | 56 | 30239 | 44 |
| 07 | 6.97 93087 | 93 | 57 | 36854 | 43 |
| 08 | 6.98 00236 | 92 | 58 | 43459 | 42 |
| 09 | 07373 | 91 | 59 | 50054 | 41 |
| **10** | 6.98 14498 | **90** | **60** | 7.01 56640 | **40** |
| 11 | 21612 | 89 | 61 | 63215 | 39 |
| 12 | 28714 | 88 | 62 | 69780 | 38 |
| 13 | 35805 | 87 | 63 | 76336 | 37 |
| 14 | 42884 | 86 | 64 | 82881 | 36 |
| 15 | 49951 | 85 | 65 | 89417 | 35 |
| 16 | 57007 | 84 | 66 | 7.01 95943 | 34 |
| 17 | 64052 | 83 | 67 | 7.02 02459 | 33 |
| 18 | 71085 | 82 | 68 | 08965 | 32 |
| 19 | 78107 | 81 | 69 | 15462 | 31 |
| **20** | 6.98 85117 | **80** | **70** | 7.02 21948 | **30** |
| 21 | 92116 | 79 | 71 | 28426 | 29 |
| 22 | 6.98 99104 | 78 | 72 | 34893 | 28 |
| 23 | 6.99 06081 | 77 | 73 | 41351 | 27 |
| 24 | 13046 | 76 | 74 | 47799 | 26 |
| 25 | 20000 | 75 | 75 | 54238 | 25 |
| 26 | 26944 | 74 | 76 | 60667 | 24 |
| 27 | 33876 | 73 | 77 | 67087 | 23 |
| 28 | 40797 | 72 | 78 | 73497 | 22 |
| 29 | 47707 | 71 | 79 | 79898 | 21 |
| **30** | 6.99 54606 | **70** | **80** | 7.02 86290 | **20** |
| 31 | 61494 | 69 | 81 | 92672 | 19 |
| 32 | 68371 | 68 | 82 | 7.02 99044 | 18 |
| 33 | 75237 | 67 | 83 | 7.03 05407 | 17 |
| 34 | 82093 | 66 | 84 | 11761 | 16 |
| 35 | 88937 | 65 | 85 | 18106 | 15 |
| 36 | 6.99 95771 | 64 | 86 | 24442 | 14 |
| 37 | 7.00 02595 | 63 | 87 | 30768 | 13 |
| 38 | 09407 | 62 | 88 | 37085 | 12 |
| 39 | 16209 | 61 | 89 | 43393 | 11 |
| **40** | 7.00 23000 | **60** | **90** | 7.03 49691 | **10** |
| 41 | 29781 | 59 | 91 | 55981 | 09 |
| 42 | 36551 | 58 | 92 | 62261 | 08 |
| 43 | 43310 | 57 | 93 | 68533 | 07 |
| 44 | 50059 | 56 | 94 | 74795 | 06 |
| 45 | 56797 | 55 | 95 | 81049 | 05 |
| 46 | 63525 | 54 | 96 | 87293 | 04 |
| 47 | 70243 | 53 | 97 | 93528 | 03 |
| 48 | 76950 | 52 | 98 | 7.03 99755 | 02 |
| 49 | 83647 | 51 | 99 | 7.04 05972 | 01 |
| **50** | 7.00 90334 | **50** | **100** | 7.04 12181 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,93^c$

## log tg $0^g\,07^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.04 12181 | **100** | **50** | 7.07 11813 | **50** |
| 01 | 18381 | 99 | 51 | 17600 | 49 |
| 02 | 24572 | 98 | 52 | 23379 | 48 |
| 03 | 30754 | 97 | 53 | 29151 | 47 |
| 04 | 36927 | 96 | 54 | 34914 | 46 |
| 05 | 43092 | 95 | 55 | 40670 | 45 |
| 06 | 49248 | 94 | 56 | 46419 | 44 |
| 07 | 55395 | 93 | 57 | 52160 | 43 |
| 08 | 61533 | 92 | 58 | 57893 | 42 |
| 09 | 67663 | 91 | 59 | 63619 | 41 |
| **10** | 7.04 73784 | **90** | **60** | 7.07 69337 | **40** |
| 11 | 79897 | 89 | 61 | 75047 | 39 |
| 12 | 86001 | 88 | 62 | 80751 | 38 |
| 13 | 92096 | 87 | 63 | 86446 | 37 |
| 14 | 7.04 98183 | 86 | 64 | 92134 | 36 |
| 15 | 7.05 04261 | 85 | 65 | 7.07 97815 | 35 |
| 16 | 10331 | 84 | 66 | 7.08 03489 | 34 |
| 17 | 16392 | 83 | 67 | 09155 | 33 |
| 18 | 22445 | 82 | 68 | 14813 | 32 |
| 19 | 28490 | 81 | 69 | 20464 | 31 |
| **20** | 7.05 34526 | **80** | **70** | 7.08 26108 | **30** |
| 21 | 40553 | 79 | 71 | 31745 | 29 |
| 22 | 46573 | 78 | 72 | 37374 | 28 |
| 23 | 52584 | 77 | 73 | 42996 | 27 |
| 24 | 58586 | 76 | 74 | 48611 | 26 |
| 25 | 64581 | 75 | 75 | 54218 | 25 |
| 26 | 70567 | 74 | 76 | 59818 | 24 |
| 27 | 76545 | 73 | 77 | 65411 | 23 |
| 28 | 82514 | 72 | 78 | 70997 | 22 |
| 29 | 88476 | 71 | 79 | 76576 | 21 |
| **30** | 7.05 94429 | **70** | **80** | 7.08 82147 | **20** |
| 31 | 7.06 00374 | 69 | 81 | 87711 | 19 |
| 32 | 06311 | 68 | 82 | 93268 | 18 |
| 33 | 12240 | 67 | 83 | 7.08 98819 | 17 |
| 34 | 18161 | 66 | 84 | 7.09 04362 | 16 |
| 35 | 24074 | 65 | 85 | 09898 | 15 |
| 36 | 29979 | 64 | 86 | 15426 | 14 |
| 37 | 35876 | 63 | 87 | 20948 | 13 |
| 38 | 41764 | 62 | 88 | 26463 | 12 |
| 39 | 47645 | 61 | 89 | 31971 | 11 |
| **40** | 7.06 53518 | **60** | **90** | 7.09 37472 | **10** |
| 41 | 59383 | 59 | 91 | 42966 | 09 |
| 42 | 65240 | 58 | 92 | 48453 | 08 |
| 43 | 71089 | 57 | 93 | 53933 | 07 |
| 44 | 76930 | 56 | 94 | 59406 | 06 |
| 45 | 82763 | 55 | 95 | 64872 | 05 |
| 46 | 88589 | 54 | 96 | 70332 | 04 |
| 47 | 7.06 94407 | 53 | 97 | 75784 | 03 |
| 48 | 7.07 00217 | 52 | 98 | 81230 | 02 |
| 49 | 06019 | 51 | 99 | 86669 | 01 |
| **50** | 7.07 11813 | **50** | **100** | 7.09 92101 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,92^c$

## log sin 0g 08c

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.09 92097 | **100** | **50** | 7.12 55387 | **50** |
| 01 | 7.09 97523 | 99 | 51 | 60493 | 49 |
| 02 | 7.10 02941 | 98 | 52 | 65593 | 48 |
| 03 | 08353 | 97 | 53 | 70688 | 47 |
| 04 | 13758 | 96 | 54 | 75776 | 46 |
| 05 | 19156 | 95 | 55 | 80859 | 45 |
| 06 | 24548 | 94 | 56 | 85935 | 44 |
| 07 | 29933 | 93 | 57 | 91006 | 43 |
| 08 | 35311 | 92 | 58 | 7.12 96070 | 42 |
| 09 | 40683 | 91 | 59 | 7.13 01129 | 41 |
| **10** | 7.10 46048 | **90** | **60** | 7.13 06182 | **40** |
| 11 | 51406 | 89 | 61 | 11229 | 39 |
| 12 | 56758 | 88 | 62 | 16270 | 38 |
| 13 | 62103 | 87 | 63 | 21305 | 37 |
| 14 | 67442 | 86 | 64 | 26335 | 36 |
| 15 | 72774 | 85 | 65 | 31359 | 35 |
| 16 | 78099 | 84 | 66 | 36376 | 34 |
| 17 | 83418 | 83 | 67 | 41388 | 33 |
| 18 | 88731 | 82 | 68 | 46395 | 32 |
| 19 | 94037 | 81 | 69 | 51395 | 31 |
| **20** | 7.10 99336 | **80** | **70** | 7.13 56390 | **30** |
| 21 | 7.11 04629 | 79 | 71 | 61379 | 29 |
| 22 | 09916 | 78 | 72 | 66362 | 28 |
| 23 | 15196 | 77 | 73 | 71340 | 27 |
| 24 | 20470 | 76 | 74 | 76312 | 26 |
| 25 | 25737 | 75 | 75 | 81278 | 25 |
| 26 | 30998 | 74 | 76 | 86238 | 24 |
| 27 | 36253 | 73 | 77 | 91193 | 23 |
| 28 | 41501 | 72 | 78 | 7.13 96143 | 22 |
| 29 | 46743 | 71 | 79 | 7.14 01086 | 21 |
| **30** | 7.11 51978 | **70** | **80** | 7.14 06024 | **20** |
| 31 | 57208 | 69 | 81 | 10956 | 19 |
| 32 | 62431 | 68 | 82 | 15883 | 18 |
| 33 | 67648 | 67 | 83 | 20804 | 17 |
| 34 | 72858 | 66 | 84 | 25720 | 16 |
| 35 | 78062 | 65 | 85 | 30630 | 15 |
| 36 | 83260 | 64 | 86 | 35535 | 14 |
| 37 | 88452 | 63 | 87 | 40434 | 13 |
| 38 | 93638 | 62 | 88 | 45327 | 12 |
| 39 | 7.11 98817 | 61 | 89 | 50215 | 11 |
| **40** | 7.12 03990 | **60** | **90** | 7.14 55097 | **10** |
| 41 | 09157 | 59 | 91 | 59974 | 09 |
| 42 | 14318 | 58 | 92 | 64846 | 08 |
| 43 | 19473 | 57 | 93 | 69712 | 07 |
| 44 | 24622 | 56 | 94 | 74573 | 06 |
| 45 | 29765 | 55 | 95 | 79428 | 05 |
| 46 | 34901 | 54 | 96 | 84277 | 04 |
| 47 | 40032 | 53 | 97 | 89122 | 03 |
| 48 | 45156 | 52 | 98 | 93961 | 02 |
| 49 | 50274 | 51 | 99 | 7.14 98794 | 01 |
| **50** | 7.12 55387 | **50** | **100** | 7.15 03622 | **00** |
| | | cc | | | cc |

## log sin 0g 09c

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.15 03622 | **100** | **50** | 7.17 38433 | **50** |
| 01 | 08445 | 99 | 51 | 43002 | 49 |
| 02 | 13263 | 98 | 52 | 47567 | 48 |
| 03 | 18075 | 97 | 53 | 52126 | 47 |
| 04 | 22882 | 96 | 54 | 56681 | 46 |
| 05 | 27683 | 95 | 55 | 61231 | 45 |
| 06 | 32479 | 94 | 56 | 65776 | 44 |
| 07 | 37270 | 93 | 57 | 70317 | 43 |
| 08 | 42056 | 92 | 58 | 74852 | 42 |
| 09 | 46836 | 91 | 59 | 79383 | 41 |
| **10** | 7.15 51611 | **90** | **60** | 7.17 83909 | **40** |
| 11 | 56381 | 89 | 61 | 88431 | 39 |
| 12 | 61146 | 88 | 62 | 92948 | 38 |
| 13 | 65905 | 87 | 63 | 7.17 97460 | 37 |
| 14 | 70659 | 86 | 64 | 7.18 01967 | 36 |
| 15 | 75408 | 85 | 65 | 06470 | 35 |
| 16 | 80152 | 84 | 66 | 10968 | 34 |
| 17 | 84891 | 83 | 67 | 15462 | 33 |
| 18 | 89624 | 82 | 68 | 19951 | 32 |
| 19 | 94352 | 81 | 69 | 24435 | 31 |
| **20** | 7.15 99076 | **80** | **70** | 7.18 28914 | **30** |
| 21 | 7.16 03794 | 79 | 71 | 33389 | 29 |
| 22 | 08506 | 78 | 72 | 37860 | 28 |
| 23 | 13214 | 77 | 73 | 42325 | 27 |
| 24 | 17917 | 76 | 74 | 46787 | 26 |
| 25 | 22615 | 75 | 75 | 51243 | 25 |
| 26 | 27307 | 74 | 76 | 55695 | 24 |
| 27 | 31995 | 73 | 77 | 60143 | 23 |
| 28 | 36677 | 72 | 78 | 64586 | 22 |
| 29 | 41354 | 71 | 79 | 69024 | 21 |
| **30** | 7.16 46027 | **70** | **80** | 7.18 73458 | **20** |
| 31 | 50694 | 69 | 81 | 77887 | 19 |
| 32 | 55356 | 68 | 82 | 82312 | 18 |
| 33 | 60014 | 67 | 83 | 86732 | 17 |
| 34 | 64666 | 66 | 84 | 91148 | 16 |
| 35 | 69313 | 65 | 85 | 95559 | 15 |
| 36 | 73956 | 64 | 86 | 7.18 99966 | 14 |
| 37 | 78593 | 63 | 87 | 7.19 04369 | 13 |
| 38 | 83226 | 62 | 88 | 08766 | 12 |
| 39 | 87853 | 61 | 89 | 13160 | 11 |
| **40** | 7.16 92476 | **60** | **90** | 7.19 17549 | **10** |
| 41 | 7.16 97093 | 59 | 91 | 21934 | 09 |
| 42 | 7.17 01706 | 58 | 92 | 26314 | 08 |
| 43 | 06314 | 57 | 93 | 30689 | 07 |
| 44 | 10917 | 56 | 94 | 35061 | 06 |
| 45 | 15515 | 55 | 95 | 39428 | 05 |
| 46 | 20109 | 54 | 96 | 43790 | 04 |
| 47 | 24697 | 53 | 97 | 48149 | 03 |
| 48 | 29281 | 52 | 98 | 52502 | 02 |
| 49 | 33859 | 51 | 99 | 56852 | 01 |
| **50** | 7.17 38433 | **50** | **100** | 7.19 61197 | **00** |
| | | cc | | | cc |

## log cos 99g 91c

## log cos 99g 90c

## log tg $0^g\,08^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.09 92101 | **100** | **50** | 7.12 55391 | **50** |
| 01 | 7.09 97526 | 99 | 51 | 60497 | 49 |
| 02 | 7.10 02945 | 98 | 52 | 65597 | 48 |
| 03 | 08357 | 97 | 53 | 70692 | 47 |
| 04 | 13762 | 96 | 54 | 75780 | 46 |
| 05 | 19160 | 95 | 55 | 80863 | 45 |
| 06 | 24552 | 94 | 56 | 85939 | 44 |
| 07 | 29936 | 93 | 57 | 91010 | 43 |
| 08 | 35315 | 92 | 58 | 7.12 96074 | 42 |
| 09 | 40686 | 91 | 59 | 7.13 01133 | 41 |
| **10** | 7.10 46051 | **90** | **60** | 7.13 06186 | **40** |
| 11 | 51410 | 89 | 61 | 11233 | 39 |
| 12 | 56761 | 88 | 62 | 16274 | 38 |
| 13 | 62107 | 87 | 63 | 21309 | 37 |
| 14 | 67445 | 86 | 64 | 26339 | 36 |
| 15 | 72777 | 85 | 65 | 31363 | 35 |
| 16 | 78103 | 84 | 66 | 36380 | 34 |
| 17 | 83422 | 83 | 67 | 41392 | 33 |
| 18 | 88734 | 82 | 68 | 46399 | 32 |
| 19 | 94040 | 81 | 69 | 51399 | 31 |
| **20** | 7.10 99340 | **80** | **70** | 7.13 56394 | **30** |
| 21 | 7.11 04633 | 79 | 71 | 61383 | 29 |
| 22 | 09919 | 78 | 72 | 66366 | 28 |
| 23 | 15200 | 77 | 73 | 71344 | 27 |
| 24 | 20473 | 76 | 74 | 76316 | 26 |
| 25 | 25741 | 75 | 75 | 81282 | 25 |
| 26 | 31002 | 74 | 76 | 86243 | 24 |
| 27 | 36256 | 73 | 77 | 91197 | 23 |
| 28 | 41505 | 72 | 78 | 7.13 96147 | 22 |
| 29 | 46747 | 71 | 79 | 7.14 01090 | 21 |
| **30** | 7.11 51982 | **70** | **80** | 7.14 06028 | **20** |
| 31 | 57211 | 69 | 81 | 10961 | 19 |
| 32 | 62435 | 68 | 82 | 15887 | 18 |
| 33 | 67651 | 67 | 83 | 20809 | 17 |
| 34 | 72862 | 66 | 84 | 25724 | 16 |
| 35 | 78066 | 65 | 85 | 30634 | 15 |
| 36 | 83264 | 64 | 86 | 35539 | 14 |
| 37 | 88456 | 63 | 87 | 40438 | 13 |
| 38 | 93641 | 62 | 88 | 45331 | 12 |
| 39 | 7.11 98821 | 61 | 89 | 50219 | 11 |
| **40** | 7.12 03994 | **60** | **90** | 7.14 55102 | **10** |
| 41 | 09161 | 59 | 91 | 59979 | 09 |
| 42 | 14322 | 58 | 92 | 64850 | 08 |
| 43 | 19477 | 57 | 93 | 69716 | 07 |
| 44 | 24626 | 56 | 94 | 74577 | 06 |
| 45 | 29768 | 55 | 95 | 79432 | 05 |
| 46 | 34905 | 54 | 96 | 84282 | 04 |
| 47 | 40035 | 53 | 97 | 89126 | 03 |
| 48 | 45160 | 52 | 98 | 93965 | 02 |
| 49 | 50278 | 51 | 99 | 7.14 98799 | 01 |
| **50** | 7.12 55391 | **50** | **100** | 7.15 03627 | **00** |
| | | cc | | | cc |

## log tg $0^g\,09^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.15 03627 | **100** | **50** | 7.17 38438 | **50** |
| 01 | 08450 | 99 | 51 | 43007 | 49 |
| 02 | 13267 | 98 | 52 | 47571 | 48 |
| 03 | 18079 | 97 | 53 | 52131 | 47 |
| 04 | 22886 | 96 | 54 | 56686 | 46 |
| 05 | 27687 | 95 | 55 | 61236 | 45 |
| 06 | 32484 | 94 | 56 | 65781 | 44 |
| 07 | 37275 | 93 | 57 | 70321 | 43 |
| 08 | 42060 | 92 | 58 | 74857 | 42 |
| 09 | 46841 | 91 | 59 | 79388 | 41 |
| **10** | 7.15 51616 | **90** | **60** | 7.17 83914 | **40** |
| 11 | 56386 | 89 | 61 | 88436 | 39 |
| 12 | 61150 | 88 | 62 | 92953 | 38 |
| 13 | 65910 | 87 | 63 | 7.17 97465 | 37 |
| 14 | 70664 | 86 | 64 | 7.18 01972 | 36 |
| 15 | 75413 | 85 | 65 | 06475 | 35 |
| 16 | 80157 | 84 | 66 | 10973 | 34 |
| 17 | 84895 | 83 | 67 | 15467 | 33 |
| 18 | 89629 | 82 | 68 | 19956 | 32 |
| 19 | 94357 | 81 | 69 | 24440 | 31 |
| **20** | 7.15 99080 | **80** | **70** | 7.18 28919 | **30** |
| 21 | 7.16 03798 | 79 | 71 | 33394 | 29 |
| 22 | 08511 | 78 | 72 | 37865 | 28 |
| 23 | 13219 | 77 | 73 | 42331 | 27 |
| 24 | 17922 | 76 | 74 | 46792 | 26 |
| 25 | 22619 | 75 | 75 | 51248 | 25 |
| 26 | 27312 | 74 | 76 | 55700 | 24 |
| 27 | 31999 | 73 | 77 | 60148 | 23 |
| 28 | 36682 | 72 | 78 | 64591 | 22 |
| 29 | 41359 | 71 | 79 | 69029 | 21 |
| **30** | 7.16 46031 | **70** | **80** | 7.18 73463 | **20** |
| 31 | 50699 | 69 | 81 | 77892 | 19 |
| 32 | 55361 | 68 | 82 | 82317 | 18 |
| 33 | 60018 | 67 | 83 | 86737 | 17 |
| 34 | 64671 | 66 | 84 | 91153 | 16 |
| 35 | 69318 | 65 | 85 | 95565 | 15 |
| 36 | 73960 | 64 | 86 | 7.18 99971 | 14 |
| 37 | 78598 | 63 | 87 | 7.19 04374 | 13 |
| 38 | 83230 | 62 | 88 | 08772 | 12 |
| 39 | 87858 | 61 | 89 | 13165 | 11 |
| **40** | 7.16 92480 | **60** | **90** | 7.19 17554 | **10** |
| 41 | 7.16 97098 | 59 | 91 | 21939 | 09 |
| 42 | 7.17 01711 | 58 | 92 | 26319 | 08 |
| 43 | 06319 | 57 | 93 | 30695 | 07 |
| 44 | 10922 | 56 | 94 | 35066 | 06 |
| 45 | 15520 | 55 | 95 | 39433 | 05 |
| 46 | 20113 | 54 | 96 | 43796 | 04 |
| 47 | 24702 | 53 | 97 | 48154 | 03 |
| 48 | 29285 | 52 | 98 | 52508 | 02 |
| 49 | 33864 | 51 | 99 | 56857 | 01 |
| **50** | 7.17 38438 | **50** | **100** | 7.19 61202 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,91^c$

## log ctg $99^g\,90^c$

## log sin $0^g\,10^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.19 61197 | **100** | **50** | 7.21 73090 | **50** |
| 01 | 65538 | 99 | 51 | 77224 | 49 |
| 02 | 69874 | 98 | 52 | 81354 | 48 |
| 03 | 74206 | 97 | 53 | 85481 | 47 |
| 04 | 78534 | 96 | 54 | 89603 | 46 |
| 05 | 82858 | 95 | 55 | 93721 | 45 |
| 06 | 87177 | 94 | 56 | 7.21 97836 | 44 |
| 07 | 91492 | 93 | 57 | 7.22 01947 | 43 |
| 08 | 7.19 95802 | 92 | 58 | 06053 | 42 |
| 09 | 7.20 00109 | 91 | 59 | 10156 | 41 |
| **10** | 7.20 04411 | **90** | **60** | 7.22 14255 | **40** |
| 11 | 08709 | 89 | 61 | 18351 | 39 |
| 12 | 13002 | 88 | 62 | 22442 | 38 |
| 13 | 17291 | 87 | 63 | 26529 | 37 |
| 14 | 21576 | 86 | 64 | 30613 | 36 |
| 15 | 25857 | 85 | 65 | 34693 | 35 |
| 16 | 30134 | 84 | 66 | 38769 | 34 |
| 17 | 34406 | 83 | 67 | 42841 | 33 |
| 18 | 38675 | 82 | 68 | 46909 | 32 |
| 19 | 42939 | 81 | 69 | 50974 | 31 |
| **20** | 7.20 47199 | **80** | **70** | 7.22 55035 | **30** |
| 21 | 51454 | 79 | 71 | 59091 | 29 |
| 22 | 55706 | 78 | 72 | 63145 | 28 |
| 23 | 59953 | 77 | 73 | 67194 | 27 |
| 24 | 64196 | 76 | 74 | 71240 | 26 |
| 25 | 68436 | 75 | 75 | 75281 | 25 |
| 26 | 72670 | 74 | 76 | 79319 | 24 |
| 27 | 76901 | 73 | 77 | 83354 | 23 |
| 28 | 81128 | 72 | 78 | 87384 | 22 |
| 29 | 85351 | 71 | 79 | 91411 | 21 |
| **30** | 7.20 89569 | **70** | **80** | 7.22 95434 | **20** |
| 31 | 93784 | 69 | 81 | 7.22 99454 | 19 |
| 32 | 7.20 97994 | 68 | 82 | 7.23 03469 | 18 |
| 33 | 7.21 02200 | 67 | 83 | 07481 | 17 |
| 34 | 06402 | 66 | 84 | 11489 | 16 |
| 35 | 10600 | 65 | 85 | 15494 | 15 |
| 36 | 14794 | 64 | 86 | 19495 | 14 |
| 37 | 18984 | 63 | 87 | 23492 | 13 |
| 38 | 23170 | 62 | 88 | 27486 | 12 |
| 39 | 27352 | 61 | 89 | 31475 | 11 |
| **40** | 7.21 31530 | **60** | **90** | 7.23 35462 | **10** |
| 41 | 35704 | 59 | 91 | 39444 | 09 |
| 42 | 39874 | 58 | 92 | 43423 | 08 |
| 43 | 44040 | 57 | 93 | 47398 | 07 |
| 44 | 48202 | 56 | 94 | 51370 | 06 |
| 45 | 52360 | 55 | 95 | 55338 | 05 |
| 46 | 56514 | 54 | 96 | 59302 | 04 |
| 47 | 60664 | 53 | 97 | 63263 | 03 |
| 48 | 64810 | 52 | 98 | 67220 | 02 |
| 49 | 68952 | 51 | 99 | 71174 | 01 |
| **50** | 7.21 73090 | **50** | **100** | 7.23 75123 | **00** |
| | | cc | | | cc |

## log sin $0^g\,11^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.23 75123 | **100** | **50** | 7.25 68175 | **50** |
| 01 | 79070 | 99 | 51 | 71950 | 49 |
| 02 | 83013 | 98 | 52 | 75721 | 48 |
| 03 | 86952 | 97 | 53 | 79489 | 47 |
| 04 | 90887 | 96 | 54 | 83254 | 46 |
| 05 | 94819 | 95 | 55 | 87016 | 45 |
| 06 | 7.23 98748 | 94 | 56 | 90775 | 44 |
| 07 | 7.24 02673 | 93 | 57 | 94530 | 43 |
| 08 | 06594 | 92 | 58 | 7.25 98282 | 42 |
| 09 | 10512 | 91 | 59 | 7.26 02031 | 41 |
| **10** | 7.24 14426 | **90** | **60** | 7.26 05776 | **40** |
| 11 | 18337 | 89 | 61 | 09519 | 39 |
| 12 | 22244 | 88 | 62 | 13258 | 38 |
| 13 | 26148 | 87 | 63 | 16994 | 37 |
| 14 | 30048 | 86 | 64 | 20726 | 36 |
| 15 | 33945 | 85 | 65 | 24456 | 35 |
| 16 | 37838 | 84 | 66 | 28182 | 34 |
| 17 | 41728 | 83 | 67 | 31905 | 33 |
| 18 | 45615 | 82 | 68 | 35625 | 32 |
| 19 | 49497 | 81 | 69 | 39341 | 31 |
| **20** | 7.24 53377 | **80** | **70** | 7.26 43055 | **30** |
| 21 | 57253 | 79 | 71 | 46765 | 29 |
| 22 | 61125 | 78 | 72 | 50472 | 28 |
| 23 | 64994 | 77 | 73 | 54176 | 27 |
| 24 | 68860 | 76 | 74 | 57877 | 26 |
| 25 | 72722 | 75 | 75 | 61575 | 25 |
| 26 | 76580 | 74 | 76 | 65270 | 24 |
| 27 | 80436 | 73 | 77 | 68961 | 23 |
| 28 | 84287 | 72 | 78 | 72649 | 22 |
| 29 | 88136 | 71 | 79 | 76334 | 21 |
| **30** | 7.24 91981 | **70** | **80** | 7.26 80016 | **20** |
| 31 | 95823 | 69 | 81 | 83695 | 19 |
| 32 | 7.24 99661 | 68 | 82 | 87371 | 18 |
| 33 | 7.25 03496 | 67 | 83 | 91044 | 17 |
| 34 | 07327 | 66 | 84 | 94713 | 16 |
| 35 | 11155 | 65 | 85 | 7.26 98380 | 15 |
| 36 | 14980 | 64 | 86 | 7.27 02043 | 14 |
| 37 | 18801 | 63 | 87 | 05703 | 13 |
| 38 | 22619 | 62 | 88 | 09361 | 12 |
| 39 | 26434 | 61 | 89 | 13015 | 11 |
| **40** | 7.25 30245 | **60** | **90** | 7.27 16666 | **10** |
| 41 | 34053 | 59 | 91 | 20314 | 09 |
| 42 | 37857 | 58 | 92 | 23959 | 08 |
| 43 | 41659 | 57 | 93 | 27601 | 07 |
| 44 | 45457 | 56 | 94 | 31239 | 06 |
| 45 | 49251 | 55 | 95 | 34875 | 05 |
| 46 | 53043 | 54 | 96 | 38508 | 04 |
| 47 | 56831 | 53 | 97 | 42138 | 03 |
| 48 | 60615 | 52 | 98 | 45764 | 02 |
| 49 | 64397 | 51 | 99 | 49388 | 01 |
| **50** | 7.25 68175 | **50** | **100** | 7.27 53009 | **00** |
| | | cc | | | cc |

## log cos $99^g\,89^c$

## log cos $99^g\,88^c$

## log tg $0^g\,10^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.19 61202 | **100** | **50** | 7.21 73096 | **50** |
| 01 | 65543 | 99 | 51 | 77230 | 49 |
| 02 | 69880 | 98 | 52 | 81360 | 48 |
| 03 | 74212 | 97 | 53 | 85486 | 47 |
| 04 | 78539 | 96 | 54 | 89609 | 46 |
| 05 | 82863 | 95 | 55 | 93727 | 45 |
| 06 | 87182 | 94 | 56 | 7.21 97842 | 44 |
| 07 | 91497 | 93 | 57 | 7.22 01953 | 43 |
| 08 | 7.19 95808 | 92 | 58 | 06059 | 42 |
| 09 | 7.20 00114 | 91 | 59 | 10162 | 41 |
| **10** | 7.20 04416 | **90** | **60** | 7.22 14261 | **40** |
| 11 | 08714 | 89 | 61 | 18357 | 39 |
| 12 | 13008 | 88 | 62 | 22448 | 38 |
| 13 | 17297 | 87 | 63 | 26535 | 37 |
| 14 | 21582 | 86 | 64 | 30619 | 36 |
| 15 | 25863 | 85 | 65 | 34699 | 35 |
| 16 | 30140 | 84 | 66 | 38775 | 34 |
| 17 | 34412 | 83 | 67 | 42847 | 33 |
| 18 | 38680 | 82 | 68 | 46915 | 32 |
| 19 | 42944 | 81 | 69 | 50980 | 31 |
| **20** | 7.20 47204 | **80** | **70** | 7.22 55041 | **30** |
| 21 | 51460 | 79 | 71 | 59098 | 29 |
| 22 | 55711 | 78 | 72 | 63151 | 28 |
| 23 | 59959 | 77 | 73 | 67200 | 27 |
| 24 | 64202 | 76 | 74 | 71246 | 26 |
| 25 | 68441 | 75 | 75 | 75288 | 25 |
| 26 | 72676 | 74 | 76 | 79326 | 24 |
| 27 | 76907 | 73 | 77 | 83360 | 23 |
| 28 | 81134 | 72 | 78 | 87391 | 22 |
| 29 | 85356 | 71 | 79 | 91417 | 21 |
| **30** | 7.20 89575 | **70** | **80** | 7.22 95440 | **20** |
| 31 | 93789 | 69 | 81 | 7.22 99460 | 19 |
| 32 | 7.20 98000 | 68 | 82 | 7.23 03476 | 18 |
| 33 | 7.21 02206 | 67 | 83 | 07488 | 17 |
| 34 | 06408 | 66 | 84 | 11496 | 16 |
| 35 | 10606 | 65 | 85 | 15500 | 15 |
| 36 | 14800 | 64 | 86 | 19501 | 14 |
| 37 | 18990 | 63 | 87 | 23498 | 13 |
| 38 | 23176 | 62 | 88 | 27492 | 12 |
| 39 | 27358 | 61 | 89 | 31482 | 11 |
| **40** | 7.21 31536 | **60** | **90** | 7.23 35468 | **10** |
| 41 | 35710 | 59 | 91 | 39451 | 09 |
| 42 | 39880 | 58 | 92 | 43429 | 08 |
| 43 | 44046 | 57 | 93 | 47405 | 07 |
| 44 | 48208 | 56 | 94 | 51376 | 06 |
| 45 | 52366 | 55 | 95 | 55344 | 05 |
| 46 | 56520 | 54 | 96 | 59309 | 04 |
| 47 | 60670 | 53 | 97 | 63269 | 03 |
| 48 | 64816 | 52 | 98 | 67226 | 02 |
| 49 | 68958 | 51 | 99 | 71180 | 01 |
| **50** | 7.21 73096 | **50** | **100** | 7.23 75130 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,89^c$

## log tg $0^g\,11^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.23 75130 | **100** | **50** | 7.25 68182 | **50** |
| 01 | 79076 | 99 | 51 | 71957 | 49 |
| 02 | 83019 | 98 | 52 | 75728 | 48 |
| 03 | 86958 | 97 | 53 | 79497 | 47 |
| 04 | 90894 | 96 | 54 | 83262 | 46 |
| 05 | 94826 | 95 | 55 | 87023 | 45 |
| 06 | 7.23 98754 | 94 | 56 | 90782 | 44 |
| 07 | 7.24 02679 | 93 | 57 | 94537 | 43 |
| 08 | 06601 | 92 | 58 | 7.25 98289 | 42 |
| 09 | 10519 | 91 | 59 | 7.26 02038 | 41 |
| **10** | 7.24 14433 | **90** | **60** | 7.26 05783 | **40** |
| 11 | 18344 | 89 | 61 | 09526 | 39 |
| 12 | 22251 | 88 | 62 | 13265 | 38 |
| 13 | 26155 | 87 | 63 | 17001 | 37 |
| 14 | 30055 | 86 | 64 | 20733 | 36 |
| 15 | 33952 | 85 | 65 | 24463 | 35 |
| 16 | 37845 | 84 | 66 | 28189 | 34 |
| 17 | 41735 | 83 | 67 | 31912 | 33 |
| 18 | 45621 | 82 | 68 | 35632 | 32 |
| 19 | 49504 | 81 | 69 | 39349 | 31 |
| **20** | 7.24 53383 | **80** | **70** | 7.26 43062 | **30** |
| 21 | 57259 | 79 | 71 | 46773 | 29 |
| 22 | 61132 | 78 | 72 | 50480 | 28 |
| 23 | 65001 | 77 | 73 | 54184 | 27 |
| 24 | 68866 | 76 | 74 | 57885 | 26 |
| 25 | 72729 | 75 | 75 | 61582 | 25 |
| 26 | 76587 | 74 | 76 | 65277 | 24 |
| 27 | 80442 | 73 | 77 | 68968 | 23 |
| 28 | 84294 | 72 | 78 | 72657 | 22 |
| 29 | 88143 | 71 | 79 | 76342 | 21 |
| **30** | 7.24 91988 | **70** | **80** | 7.26 80024 | **20** |
| 31 | 95829 | 69 | 81 | 83703 | 19 |
| 32 | 7.24 99668 | 68 | 82 | 87379 | 18 |
| 33 | 7.25 03502 | 67 | 83 | 91051 | 17 |
| 34 | 07334 | 66 | 84 | 94721 | 16 |
| 35 | 11162 | 65 | 85 | 7.26 98387 | 15 |
| 36 | 14987 | 64 | 86 | 7.27 02051 | 14 |
| 37 | 18808 | 63 | 87 | 05711 | 13 |
| 38 | 22626 | 62 | 88 | 09368 | 12 |
| 39 | 26441 | 61 | 89 | 13022 | 11 |
| **40** | 7.25 30252 | **60** | **90** | 7.27 16673 | **10** |
| 41 | 34060 | 59 | 91 | 20321 | 09 |
| 42 | 37864 | 58 | 92 | 23966 | 08 |
| 43 | 41666 | 57 | 93 | 27608 | 07 |
| 44 | 45464 | 56 | 94 | 31247 | 06 |
| 45 | 49258 | 55 | 95 | 34883 | 05 |
| 46 | 53050 | 54 | 96 | 38516 | 04 |
| 47 | 56838 | 53 | 97 | 42145 | 03 |
| 48 | 60622 | 52 | 98 | 45772 | 02 |
| 49 | 64404 | 51 | 99 | 49396 | 01 |
| **50** | 7.25 68182 | **50** | **100** | 7.27 53016 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,88^c$

## log sin $0^g\,12^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.27 53009 | **100** | **50** | 7.29 30296 | **50** |
| 01 | 56626 | 99 | 51 | 33769 | 49 |
| 02 | 60241 | 98 | 52 | 37239 | 48 |
| 03 | 63852 | 97 | 53 | 40707 | 47 |
| 04 | 67461 | 96 | 54 | 44171 | 46 |
| 05 | 71067 | 95 | 55 | 47633 | 45 |
| 06 | 74669 | 94 | 56 | 51092 | 44 |
| 07 | 78269 | 93 | 57 | 54549 | 43 |
| 08 | 81866 | 92 | 58 | 58002 | 42 |
| 09 | 85459 | 91 | 59 | 61453 | 41 |
| **10** | 7.27 89050 | **90** | **60** | 7.29 64901 | **40** |
| 11 | 92638 | 89 | 61 | 68347 | 39 |
| 12 | 96222 | 88 | 62 | 71789 | 38 |
| 13 | 7.27 99804 | 87 | 63 | 75229 | 37 |
| 14 | 7.28 03383 | 86 | 64 | 78667 | 36 |
| 15 | 06959 | 85 | 65 | 82101 | 35 |
| 16 | 10532 | 84 | 66 | 85533 | 34 |
| 17 | 14102 | 83 | 67 | 88962 | 33 |
| 18 | 17669 | 82 | 68 | 92388 | 32 |
| 19 | 21233 | 81 | 69 | 95812 | 31 |
| **20** | 7.28 24794 | **80** | **70** | 7.29 99233 | **30** |
| 21 | 28353 | 79 | 71 | 7.30 02651 | 29 |
| 22 | 31908 | 78 | 72 | 06067 | 28 |
| 23 | 35461 | 77 | 73 | 09480 | 27 |
| 24 | 39010 | 76 | 74 | 12890 | 26 |
| 25 | 42557 | 75 | 75 | 16298 | 25 |
| 26 | 46101 | 74 | 76 | 19703 | 24 |
| 27 | 49642 | 73 | 77 | 23105 | 23 |
| 28 | 53180 | 72 | 78 | 26504 | 22 |
| 29 | 56715 | 71 | 79 | 29901 | 21 |
| **30** | 7.28 60247 | **70** | **80** | 7.30 33296 | **20** |
| 31 | 63777 | 69 | 81 | 36687 | 19 |
| 32 | 67303 | 68 | 82 | 40076 | 18 |
| 33 | 70827 | 67 | 83 | 43462 | 17 |
| 34 | 74348 | 66 | 84 | 46846 | 16 |
| 35 | 77866 | 65 | 85 | 50227 | 15 |
| 36 | 81381 | 64 | 86 | 53606 | 14 |
| 37 | 84893 | 63 | 87 | 56981 | 13 |
| 38 | 88402 | 62 | 88 | 60354 | 12 |
| 39 | 91909 | 61 | 89 | 63725 | 11 |
| **40** | 7.28 95413 | **60** | **90** | 7.30 67093 | **10** |
| 41 | 7.28 98914 | 59 | 91 | 70458 | 09 |
| 42 | 7.29 02412 | 58 | 92 | 73821 | 08 |
| 43 | 05907 | 57 | 93 | 77181 | 07 |
| 44 | 09400 | 56 | 94 | 80539 | 06 |
| 45 | 12890 | 55 | 95 | 83893 | 05 |
| 46 | 16376 | 54 | 96 | 87246 | 04 |
| 47 | 19861 | 53 | 97 | 90596 | 03 |
| 48 | 23342 | 52 | 98 | 93943 | 02 |
| 49 | 26820 | 51 | 99 | 7.30 97287 | 01 |
| **50** | 7.29 30296 | **50** | **100** | 7.31 00629 | **00** |
| | | cc | | | cc |

## log sin $0^g\,13^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.31 00629 | **100** | **50** | 7.32 64533 | **50** |
| 01 | 03969 | 99 | 51 | 67749 | 49 |
| 02 | 07306 | 98 | 52 | 70962 | 48 |
| 03 | 10640 | 97 | 53 | 74173 | 47 |
| 04 | 13972 | 96 | 54 | 77382 | 46 |
| 05 | 17301 | 95 | 55 | 80588 | 45 |
| 06 | 20627 | 94 | 56 | 83792 | 44 |
| 07 | 23952 | 93 | 57 | 86994 | 43 |
| 08 | 27273 | 92 | 58 | 90193 | 42 |
| 09 | 30592 | 91 | 59 | 93390 | 41 |
| **10** | 7.31 33909 | **90** | **60** | 7.32 96585 | **40** |
| 11 | 37223 | 89 | 61 | 7.32 99777 | 39 |
| 12 | 40534 | 88 | 62 | 7.33 02967 | 38 |
| 13 | 43843 | 87 | 63 | 06154 | 37 |
| 14 | 47149 | 86 | 64 | 09339 | 36 |
| 15 | 50453 | 85 | 65 | 12522 | 35 |
| 16 | 53755 | 84 | 66 | 15702 | 34 |
| 17 | 57053 | 83 | 67 | 18881 | 33 |
| 18 | 60350 | 82 | 68 | 22056 | 32 |
| 19 | 63644 | 81 | 69 | 25230 | 31 |
| **20** | 7.31 66935 | **80** | **70** | 7.33 28401 | **30** |
| 21 | 70224 | 79 | 71 | 31570 | 29 |
| 22 | 73510 | 78 | 72 | 34737 | 28 |
| 23 | 76794 | 77 | 73 | 37901 | 27 |
| 24 | 80075 | 76 | 74 | 41063 | 26 |
| 25 | 83354 | 75 | 75 | 44222 | 25 |
| 26 | 86631 | 74 | 76 | 47380 | 24 |
| 27 | 89905 | 73 | 77 | 50535 | 23 |
| 28 | 93176 | 72 | 78 | 53688 | 22 |
| 29 | 96445 | 71 | 79 | 56838 | 21 |
| **30** | 7.31 99712 | **70** | **80** | 7.33 59986 | **20** |
| 31 | 7.32 02976 | 69 | 81 | 63132 | 19 |
| 32 | 06238 | 68 | 82 | 66276 | 18 |
| 33 | 09497 | 67 | 83 | 69417 | 17 |
| 34 | 12754 | 66 | 84 | 72556 | 16 |
| 35 | 16008 | 65 | 85 | 75693 | 15 |
| 36 | 19260 | 64 | 86 | 78828 | 14 |
| 37 | 22510 | 63 | 87 | 81960 | 13 |
| 38 | 25757 | 62 | 88 | 85090 | 12 |
| 39 | 29001 | 61 | 89 | 88218 | 11 |
| **40** | 7.32 32244 | **60** | **90** | 7.33 91343 | **10** |
| 41 | 35483 | 59 | 91 | 94467 | 09 |
| 42 | 38721 | 58 | 92 | 7.33 97588 | 08 |
| 43 | 41956 | 57 | 93 | 7.34 00706 | 07 |
| 44 | 45188 | 56 | 94 | 03823 | 06 |
| 45 | 48418 | 55 | 95 | 06937 | 05 |
| 46 | 51646 | 54 | 96 | 10049 | 04 |
| 47 | 54871 | 53 | 97 | 13159 | 03 |
| 48 | 58094 | 52 | 98 | 16267 | 02 |
| 49 | 61315 | 51 | 99 | 19372 | 01 |
| **50** | 7.32 64533 | **50** | **100** | 7.34 22476 | **00** |
| | | cc | | | cc |

## log cos $99^g\,87^c$

## log cos $99^g\,86^c$

## log tg $0^g\,12^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.27 53016 | **100** | **50** | 7.29 30304 | **50** |
| 01 | 56634 | 99 | 51 | 33777 | 49 |
| 02 | 60249 | 98 | 52 | 37248 | 48 |
| 03 | 63860 | 97 | 53 | 40715 | 47 |
| 04 | 67469 | 96 | 54 | 44180 | 46 |
| 05 | 71074 | 95 | 55 | 47642 | 45 |
| 06 | 74677 | 94 | 56 | 51101 | 44 |
| 07 | 78277 | 93 | 57 | 54557 | 43 |
| 08 | 81873 | 92 | 58 | 58011 | 42 |
| 09 | 85467 | 91 | 59 | 61462 | 41 |
| **10** | 7.27 89058 | **90** | **60** | 7.29 64910 | **40** |
| 11 | 92645 | 89 | 61 | 68355 | 39 |
| 12 | 96230 | 88 | 62 | 71798 | 38 |
| 13 | 7.27 99812 | 87 | 63 | 75238 | 37 |
| 14 | 7.28 03391 | 86 | 64 | 78675 | 36 |
| 15 | 06967 | 85 | 65 | 82110 | 35 |
| 16 | 10540 | 84 | 66 | 85542 | 34 |
| 17 | 14110 | 83 | 67 | 88971 | 33 |
| 18 | 17677 | 82 | 68 | 92397 | 32 |
| 19 | 21241 | 81 | 69 | 95821 | 31 |
| **20** | 7.28 24802 | **80** | **70** | 7.29 99242 | **30** |
| 21 | 28361 | 79 | 71 | 7.30 02660 | 29 |
| 22 | 31916 | 78 | 72 | 06076 | 28 |
| 23 | 35469 | 77 | 73 | 09489 | 27 |
| 24 | 39018 | 76 | 74 | 12899 | 26 |
| 25 | 42565 | 75 | 75 | 16306 | 25 |
| 26 | 46109 | 74 | 76 | 19711 | 24 |
| 27 | 49650 | 73 | 77 | 23114 | 23 |
| 28 | 53188 | 72 | 78 | 26513 | 22 |
| 29 | 56723 | 71 | 79 | 29910 | 21 |
| **30** | 7.28 60255 | **70** | **80** | 7.30 33304 | **20** |
| 31 | 63785 | 69 | 81 | 36696 | 19 |
| 32 | 67311 | 68 | 82 | 40085 | 18 |
| 33 | 70835 | 67 | 83 | 43471 | 17 |
| 34 | 74356 | 66 | 84 | 46855 | 16 |
| 35 | 77874 | 65 | 85 | 50236 | 15 |
| 36 | 81389 | 64 | 86 | 53614 | 14 |
| 37 | 84901 | 63 | 87 | 56990 | 13 |
| 38 | 88411 | 62 | 88 | 60363 | 12 |
| 39 | 91917 | 61 | 89 | 63734 | 11 |
| **40** | 7.28 95421 | **60** | **90** | 7.30 67102 | **10** |
| 41 | 7.28 98922 | 59 | 91 | 70467 | 09 |
| 42 | 7.29 02420 | 58 | 92 | 73830 | 08 |
| 43 | 05916 | 57 | 93 | 77190 | 07 |
| 44 | 09408 | 56 | 94 | 80548 | 06 |
| 45 | 12898 | 55 | 95 | 83902 | 05 |
| 46 | 16385 | 54 | 96 | 87255 | 04 |
| 47 | 19869 | 53 | 97 | 90605 | 03 |
| 48 | 23350 | 52 | 98 | 93952 | 02 |
| 49 | 26829 | 51 | 99 | 7.30 97296 | 01 |
| **50** | 7.29 30304 | **50** | **100** | 7.31 00638 | **00** |
| | | cc | | | cc |

## log tg $0^g\,13^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.31 00638 | **100** | **50** | 7.32 64543 | **50** |
| 01 | 03978 | 99 | 51 | 67759 | 49 |
| 02 | 07315 | 98 | 52 | 70972 | 48 |
| 03 | 10649 | 97 | 53 | 74183 | 47 |
| 04 | 13981 | 96 | 54 | 77392 | 46 |
| 05 | 17310 | 95 | 55 | 80598 | 45 |
| 06 | 20637 | 94 | 56 | 83802 | 44 |
| 07 | 23961 | 93 | 57 | 87004 | 43 |
| 08 | 27282 | 92 | 58 | 90203 | 42 |
| 09 | 30601 | 91 | 59 | 93400 | 41 |
| **10** | 7.31 33918 | **90** | **60** | 7.32 96594 | **40** |
| 11 | 37232 | 89 | 61 | 7.32 99787 | 39 |
| 12 | 40543 | 88 | 62 | 7.33 02976 | 38 |
| 13 | 43852 | 87 | 63 | 06164 | 37 |
| 14 | 47159 | 86 | 64 | 09349 | 36 |
| 15 | 50462 | 85 | 65 | 12532 | 35 |
| 16 | 53764 | 84 | 66 | 15712 | 34 |
| 17 | 57063 | 83 | 67 | 18891 | 33 |
| 18 | 60359 | 82 | 68 | 22066 | 32 |
| 19 | 63653 | 81 | 69 | 25240 | 31 |
| **20** | 7.31 66944 | **80** | **70** | 7.33 28411 | **30** |
| 21 | 70233 | 79 | 71 | 31580 | 29 |
| 22 | 73520 | 78 | 72 | 34747 | 28 |
| 23 | 76803 | 77 | 73 | 37911 | 27 |
| 24 | 80085 | 76 | 74 | 41073 | 26 |
| 25 | 83364 | 75 | 75 | 44233 | 25 |
| 26 | 86640 | 74 | 76 | 47390 | 24 |
| 27 | 89914 | 73 | 77 | 50545 | 23 |
| 28 | 93186 | 72 | 78 | 53698 | 22 |
| 29 | 96455 | 71 | 79 | 56848 | 21 |
| **30** | 7.31 99721 | **70** | **80** | 7.33 59996 | **20** |
| 31 | 7.32 02986 | 69 | 81 | 63142 | 19 |
| 32 | 06247 | 68 | 82 | 66286 | 18 |
| 33 | 09507 | 67 | 83 | 69427 | 17 |
| 34 | 12763 | 66 | 84 | 72567 | 16 |
| 35 | 16018 | 65 | 85 | 75703 | 15 |
| 36 | 19270 | 64 | 86 | 78838 | 14 |
| 37 | 22519 | 63 | 87 | 81970 | 13 |
| 38 | 25766 | 62 | 88 | 85100 | 12 |
| 39 | 29011 | 61 | 89 | 88228 | 11 |
| **40** | 7.32 32253 | **60** | **90** | 7.33 91354 | **10** |
| 41 | 35493 | 59 | 91 | 94477 | 09 |
| 42 | 38730 | 58 | 92 | 7.33 97598 | 08 |
| 43 | 41965 | 57 | 93 | 7.34 00717 | 07 |
| 44 | 45198 | 56 | 94 | 03833 | 06 |
| 45 | 48428 | 55 | 95 | 06948 | 05 |
| 46 | 51656 | 54 | 96 | 10060 | 04 |
| 47 | 54881 | 53 | 97 | 13170 | 03 |
| 48 | 58104 | 52 | 98 | 16277 | 02 |
| 49 | 61325 | 51 | 99 | 19383 | 01 |
| **50** | 7.32 64543 | **50** | **100** | 7.34 22486 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,87^c$

## log ctg $99^g\,86^c$

## log sin $0^g\,14^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7·34 22476 | **100** | **50** | 7·35 74875 | **50** |
| 01 | 25577 | 99 | 51 | 77869 | 49 |
| 02 | 28675 | 98 | 52 | 80861 | 48 |
| 03 | 31772 | 97 | 53 | 83851 | 47 |
| 04 | 34866 | 96 | 54 | 86839 | 46 |
| 05 | 37958 | 95 | 55 | 89825 | 45 |
| 06 | 41048 | 94 | 56 | 92809 | 44 |
| 07 | 44136 | 93 | 57 | 95790 | 43 |
| 08 | 47222 | 92 | 58 | 7·35 98770 | 42 |
| 09 | 50305 | 91 | 59 | 7·36 01748 | 41 |
| **10** | 7·34 53386 | **90** | **60** | 7·36 04724 | **40** |
| 11 | 56465 | 89 | 61 | 07697 | 39 |
| 12 | 59542 | 88 | 62 | 10669 | 38 |
| 13 | 62617 | 87 | 63 | 13638 | 37 |
| 14 | 65689 | 86 | 64 | 16606 | 36 |
| 15 | 68760 | 85 | 65 | 19571 | 35 |
| 16 | 71828 | 84 | 66 | 22535 | 34 |
| 17 | 74894 | 83 | 67 | 25496 | 33 |
| 18 | 77957 | 82 | 68 | 28455 | 32 |
| 19 | 81019 | 81 | 69 | 31413 | 31 |
| **20** | 7·34 84079 | **80** | **70** | 7·36 34368 | **30** |
| 21 | 87136 | 79 | 71 | 37322 | 29 |
| 22 | 90191 | 78 | 72 | 40273 | 28 |
| 23 | 93244 | 77 | 73 | 43222 | 27 |
| 24 | 96295 | 76 | 74 | 46170 | 26 |
| 25 | 7·34 99344 | 75 | 75 | 49115 | 25 |
| 26 | 7·35 02390 | 74 | 76 | 52058 | 24 |
| 27 | 05435 | 73 | 77 | 55000 | 23 |
| 28 | 08477 | 72 | 78 | 57939 | 22 |
| 29 | 11517 | 71 | 79 | 60877 | 21 |
| **30** | 7·35 14555 | **70** | **80** | 7·36 63812 | **20** |
| 31 | 17591 | 69 | 81 | 66745 | 19 |
| 32 | 20625 | 68 | 82 | 69677 | 18 |
| 33 | 23657 | 67 | 83 | 72606 | 17 |
| 34 | 26687 | 66 | 84 | 75534 | 16 |
| 35 | 29714 | 65 | 85 | 78459 | 15 |
| 36 | 32739 | 64 | 86 | 81383 | 14 |
| 37 | 35763 | 63 | 87 | 84305 | 13 |
| 38 | 38784 | 62 | 88 | 87224 | 12 |
| 39 | 41803 | 61 | 89 | 90142 | 11 |
| **40** | 7·35 44820 | **60** | **90** | 7·36 93057 | **10** |
| 41 | 47835 | 59 | 91 | 95971 | 09 |
| 42 | 50848 | 58 | 92 | 7·36 98883 | 08 |
| 43 | 53858 | 57 | 93 | 7·37 01793 | 07 |
| 44 | 56867 | 56 | 94 | 04701 | 06 |
| 45 | 59874 | 55 | 95 | 07607 | 05 |
| 46 | 62878 | 54 | 96 | 10511 | 04 |
| 47 | 65880 | 53 | 97 | 13413 | 03 |
| 48 | 68881 | 52 | 98 | 16313 | 02 |
| 49 | 71879 | 51 | 99 | 19211 | 01 |
| **50** | 7·35 74875 | **50** | **100** | 7·37 22107 | **00** |
| | | cc | | | cc |

## log cos $99^g\,85^c$

## log sin $0^g\,15^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7·37 22107 | **100** | **50** | 7·38 64511 | **50** |
| 01 | 25002 | 99 | 51 | 67312 | 49 |
| 02 | 27894 | 98 | 52 | 70112 | 48 |
| 03 | 30785 | 97 | 53 | 72909 | 47 |
| 04 | 33673 | 96 | 54 | 75705 | 46 |
| 05 | 36560 | 95 | 55 | 78498 | 45 |
| 06 | 39444 | 94 | 56 | 81290 | 44 |
| 07 | 42327 | 93 | 57 | 84081 | 43 |
| 08 | 45208 | 92 | 58 | 86869 | 42 |
| 09 | 48087 | 91 | 59 | 89656 | 41 |
| **10** | 7·37 50964 | **90** | **60** | 7·38 92440 | **40** |
| 11 | 53839 | 89 | 61 | 95223 | 39 |
| 12 | 56713 | 88 | 62 | 7·38 98005 | 38 |
| 13 | 59584 | 87 | 63 | 7·39 00784 | 37 |
| 14 | 62453 | 86 | 64 | 03562 | 36 |
| 15 | 65321 | 85 | 65 | 06338 | 35 |
| 16 | 68187 | 84 | 66 | 09112 | 34 |
| 17 | 71050 | 83 | 67 | 11884 | 33 |
| 18 | 73912 | 82 | 68 | 14655 | 32 |
| 19 | 76772 | 81 | 69 | 17424 | 31 |
| **20** | 7·37 79631 | **80** | **70** | 7·39 20191 | **30** |
| 21 | 82487 | 79 | 71 | 22956 | 29 |
| 22 | 85341 | 78 | 72 | 25720 | 28 |
| 23 | 88194 | 77 | 73 | 28482 | 27 |
| 24 | 91044 | 76 | 74 | 31242 | 26 |
| 25 | 93893 | 75 | 75 | 34000 | 25 |
| 26 | 96740 | 74 | 76 | 36756 | 24 |
| 27 | 7·37 99585 | 73 | 77 | 39511 | 23 |
| 28 | 7·38 02428 | 72 | 78 | 42264 | 22 |
| 29 | 05269 | 71 | 79 | 45016 | 21 |
| **30** | 7·38 08109 | **70** | **80** | 7·39 47765 | **20** |
| 31 | 10946 | 69 | 81 | 50513 | 19 |
| 32 | 13782 | 68 | 82 | 53259 | 18 |
| 33 | 16616 | 67 | 83 | 56003 | 17 |
| 34 | 19448 | 66 | 84 | 58746 | 16 |
| 35 | 22278 | 65 | 85 | 61487 | 15 |
| 36 | 25107 | 64 | 86 | 64226 | 14 |
| 37 | 27933 | 63 | 87 | 66964 | 13 |
| 38 | 30758 | 62 | 88 | 69699 | 12 |
| 39 | 33581 | 61 | 89 | 72433 | 11 |
| **40** | 7·38 36402 | **60** | **90** | 7·39 75165 | **10** |
| 41 | 39221 | 59 | 91 | 77896 | 09 |
| 42 | 42038 | 58 | 92 | 80625 | 08 |
| 43 | 44854 | 57 | 93 | 83352 | 07 |
| 44 | 47667 | 56 | 94 | 86077 | 06 |
| 45 | 50479 | 55 | 95 | 88801 | 05 |
| 46 | 53289 | 54 | 96 | 91523 | 04 |
| 47 | 56098 | 53 | 97 | 94243 | 03 |
| 48 | 58904 | 52 | 98 | 96962 | 02 |
| 49 | 61709 | 51 | 99 | 7·39 99679 | 01 |
| **50** | 7·38 64511 | **50** | **100** | 7·40 02394 | **00** |
| | | cc | | | cc |

## log cos $99^g\,84^c$

## log tg $0^g\,14^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7·34 22486 | **100** | **50** | 7·35 74886 | **50** |
| 01 | 25587 | 99 | 51 | 77880 | 49 |
| 02 | 28686 | 98 | 52 | 80872 | 48 |
| 03 | 31783 | 97 | 53 | 83862 | 47 |
| 04 | 34877 | 96 | 54 | 86850 | 46 |
| 05 | 37969 | 95 | 55 | 89836 | 45 |
| 06 | 41059 | 94 | 56 | 92820 | 44 |
| 07 | 44147 | 93 | 57 | 95802 | 43 |
| 08 | 47232 | 92 | 58 | 7·35 98782 | 42 |
| 09 | 50316 | 91 | 59 | 7·36 01759 | 41 |
| **10** | 7·34 53397 | **90** | **60** | 7·36 04735 | **40** |
| 11 | 56476 | 89 | 61 | 07709 | 39 |
| 12 | 59553 | 88 | 62 | 10680 | 38 |
| 13 | 62628 | 87 | 63 | 13650 | 37 |
| 14 | 65700 | 86 | 64 | 16617 | 36 |
| 15 | 68770 | 85 | 65 | 19583 | 35 |
| 16 | 71838 | 84 | 66 | 22546 | 34 |
| 17 | 74904 | 83 | 67 | 25508 | 33 |
| 18 | 77968 | 82 | 68 | 28467 | 32 |
| 19 | 81030 | 81 | 69 | 31424 | 31 |
| **20** | 7·34 84089 | **80** | **70** | 7·36 34380 | **30** |
| 21 | 87147 | 79 | 71 | 37333 | 29 |
| 22 | 90202 | 78 | 72 | 40285 | 28 |
| 23 | 93255 | 77 | 73 | 43234 | 27 |
| 24 | 96306 | 76 | 74 | 46181 | 26 |
| 25 | 7·34 99355 | 75 | 75 | 49127 | 25 |
| 26 | 7·35 02401 | 74 | 76 | 52070 | 24 |
| 27 | 05446 | 73 | 77 | 55012 | 23 |
| 28 | 08488 | 72 | 78 | 57951 | 22 |
| 29 | 11528 | 71 | 79 | 60888 | 21 |
| **30** | 7·35 14566 | **70** | **80** | 7·36 63824 | **20** |
| 31 | 17602 | 69 | 81 | 66757 | 19 |
| 32 | 20636 | 68 | 82 | 69689 | 18 |
| 33 | 23668 | 67 | 83 | 72618 | 17 |
| 34 | 26698 | 66 | 84 | 75546 | 16 |
| 35 | 29725 | 65 | 85 | 78471 | 15 |
| 36 | 32751 | 64 | 86 | 81395 | 14 |
| 37 | 35774 | 63 | 87 | 84316 | 13 |
| 38 | 38795 | 62 | 88 | 87236 | 12 |
| 39 | 41814 | 61 | 89 | 90154 | 11 |
| **40** | 7·35 44831 | **60** | **90** | 7·36 93069 | **10** |
| 41 | 47846 | 59 | 91 | 95983 | 09 |
| 42 | 50859 | 58 | 92 | 7·36 98895 | 08 |
| 43 | 53870 | 57 | 93 | 7·37 01805 | 07 |
| 44 | 56878 | 56 | 94 | 04713 | 06 |
| 45 | 59885 | 55 | 95 | 07619 | 05 |
| 46 | 62889 | 54 | 96 | 10523 | 04 |
| 47 | 65892 | 53 | 97 | 13425 | 03 |
| 48 | 68892 | 52 | 98 | 16325 | 02 |
| 49 | 71890 | 51 | 99 | 19223 | 01 |
| **50** | 7·35 74886 | **50** | **100** | 7·37 22119 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,85^c$

## log tg $0^g\,15^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7·37 22119 | **100** | **50** | 7·38 64524 | **50** |
| 01 | 25014 | 99 | 51 | 67325 | 49 |
| 02 | 27906 | 98 | 52 | 70125 | 48 |
| 03 | 30797 | 97 | 53 | 72922 | 47 |
| 04 | 33685 | 96 | 54 | 75718 | 46 |
| 05 | 36572 | 95 | 55 | 78511 | 45 |
| 06 | 39457 | 94 | 56 | 81303 | 44 |
| 07 | 42339 | 93 | 57 | 84094 | 43 |
| 08 | 45220 | 92 | 58 | 86882 | 42 |
| 09 | 48099 | 91 | 59 | 89669 | 41 |
| **10** | 7·37 50976 | **90** | **60** | 7·38 92453 | **40** |
| 11 | 53852 | 89 | 61 | 95237 | 39 |
| 12 | 56725 | 88 | 62 | 7·38 98018 | 38 |
| 13 | 59596 | 87 | 63 | 7·39 00797 | 37 |
| 14 | 62466 | 86 | 64 | 03575 | 36 |
| 15 | 65333 | 85 | 65 | 06351 | 35 |
| 16 | 68199 | 84 | 66 | 09125 | 34 |
| 17 | 71063 | 83 | 67 | 11898 | 33 |
| 18 | 73925 | 82 | 68 | 14668 | 32 |
| 19 | 76785 | 81 | 69 | 17437 | 31 |
| **20** | 7·37 79643 | **80** | **70** | 7·39 20204 | **30** |
| 21 | 82499 | 79 | 71 | 22969 | 29 |
| 22 | 85354 | 78 | 72 | 25733 | 28 |
| 23 | 88206 | 77 | 73 | 28495 | 27 |
| 24 | 91057 | 76 | 74 | 31255 | 26 |
| 25 | 93906 | 75 | 75 | 34013 | 25 |
| 26 | 96752 | 74 | 76 | 36770 | 24 |
| 27 | 7·37 99597 | 73 | 77 | 39525 | 23 |
| 28 | 7·38 02441 | 72 | 78 | 42278 | 22 |
| 29 | 05282 | 71 | 79 | 45029 | 21 |
| **30** | 7·38 08121 | **70** | **80** | 7·39 47779 | **20** |
| 31 | 10959 | 69 | 81 | 50526 | 19 |
| 32 | 13795 | 68 | 82 | 53273 | 18 |
| 33 | 16629 | 67 | 83 | 56017 | 17 |
| 34 | 19461 | 66 | 84 | 58760 | 16 |
| 35 | 22291 | 65 | 85 | 61500 | 15 |
| 36 | 25119 | 64 | 86 | 64240 | 14 |
| 37 | 27946 | 63 | 87 | 66977 | 13 |
| 38 | 30771 | 62 | 88 | 69713 | 12 |
| 39 | 33593 | 61 | 89 | 72447 | 11 |
| **40** | 7·38 36414 | **60** | **90** | 7·39 75179 | **10** |
| 41 | 39234 | 59 | 91 | 77910 | 09 |
| 42 | 42051 | 58 | 92 | 80638 | 08 |
| 43 | 44867 | 57 | 93 | 83366 | 07 |
| 44 | 47680 | 56 | 94 | 86091 | 06 |
| 45 | 50492 | 55 | 95 | 88815 | 05 |
| 46 | 53302 | 54 | 96 | 91537 | 04 |
| 47 | 56110 | 53 | 97 | 94257 | 03 |
| 48 | 58917 | 52 | 98 | 96976 | 02 |
| 49 | 61722 | 51 | 99 | 7·39 99693 | 01 |
| **50** | 7·38 64524 | **50** | **100** | 7·40 02408 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,84^c$

## log sin $0^g\,16^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.40 02394 | **100** | **50** | 7.41 36033 | **50** |
| 01 | 05108 | 99 | 51 | 38665 | 49 |
| 02 | 07819 | 98 | 52 | 41294 | 48 |
| 03 | 10529 | 97 | 53 | 43922 | 47 |
| 04 | 13238 | 96 | 54 | 46549 | 46 |
| 05 | 15945 | 95 | 55 | 49174 | 45 |
| 06 | 18650 | 94 | 56 | 51797 | 44 |
| 07 | 21353 | 93 | 57 | 54419 | 43 |
| 08 | 24055 | 92 | 58 | 57039 | 42 |
| 09 | 26755 | 91 | 59 | 59658 | 41 |
| **10** | 7.40 29453 | **90** | **60** | 7.41 62275 | **40** |
| 11 | 32150 | 89 | 61 | 64890 | 39 |
| 12 | 34845 | 88 | 62 | 67504 | 38 |
| 13 | 37538 | 87 | 63 | 70116 | 37 |
| 14 | 40229 | 86 | 64 | 72727 | 36 |
| 15 | 42919 | 85 | 65 | 75336 | 35 |
| 16 | 45608 | 84 | 66 | 77944 | 34 |
| 17 | 48294 | 83 | 67 | 80550 | 33 |
| 18 | 50979 | 82 | 68 | 83154 | 32 |
| 19 | 53663 | 81 | 69 | 85757 | 31 |
| **20** | 7.40 56344 | **80** | **70** | 7.41 88359 | **30** |
| 21 | 59024 | 79 | 71 | 90958 | 29 |
| 22 | 61703 | 78 | 72 | 93557 | 28 |
| 23 | 64379 | 77 | 73 | 96153 | 27 |
| 24 | 67054 | 76 | 74 | 7.41 98748 | 26 |
| 25 | 69728 | 75 | 75 | 7.42 01342 | 25 |
| 26 | 72399 | 74 | 76 | 03934 | 24 |
| 27 | 75070 | 73 | 77 | 06524 | 23 |
| 28 | 77738 | 72 | 78 | 09113 | 22 |
| 29 | 80405 | 71 | 79 | 11701 | 21 |
| **30** | 7.40 83070 | **70** | **80** | 7.42 14287 | **20** |
| 31 | 85734 | 69 | 81 | 16871 | 19 |
| 32 | 88396 | 68 | 82 | 19454 | 18 |
| 33 | 91056 | 67 | 83 | 22035 | 17 |
| 34 | 93715 | 66 | 84 | 24615 | 16 |
| 35 | 96372 | 65 | 85 | 27193 | 15 |
| 36 | 7.40 99027 | 64 | 86 | 29769 | 14 |
| 37 | 7.41 01681 | 63 | 87 | 32345 | 13 |
| 38 | 04333 | 62 | 88 | 34918 | 12 |
| 39 | 06984 | 61 | 89 | 37490 | 11 |
| **40** | 7.41 09632 | **60** | **90** | 7.42 40061 | **10** |
| 41 | 12280 | 59 | 91 | 42630 | 09 |
| 42 | 14925 | 58 | 92 | 45197 | 08 |
| 43 | 17570 | 57 | 93 | 47763 | 07 |
| 44 | 20212 | 56 | 94 | 50328 | 06 |
| 45 | 22853 | 55 | 95 | 52891 | 05 |
| 46 | 25492 | 54 | 96 | 55452 | 04 |
| 47 | 28130 | 53 | 97 | 58012 | 03 |
| 48 | 30766 | 52 | 98 | 60570 | 02 |
| 49 | 33400 | 51 | 99 | 63127 | 01 |
| **50** | 7.41 36033 | **50** | **100** | 7.42 65683 | **00** |
| | | cc | | | cc |

## log cos $99^g\,83^c$

## log sin $0^g\,17^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.42 65683 | **100** | **50** | 7.43 91574 | **50** |
| 01 | 68237 | 99 | 51 | 94055 | 49 |
| 02 | 70789 | 98 | 52 | 96534 | 48 |
| 03 | 73340 | 97 | 53 | 7.43 99012 | 47 |
| 04 | 75889 | 96 | 54 | 7.44 01489 | 46 |
| 05 | 78437 | 95 | 55 | 03964 | 45 |
| 06 | 80984 | 94 | 56 | 06438 | 44 |
| 07 | 83529 | 93 | 57 | 08911 | 43 |
| 08 | 86072 | 92 | 58 | 11382 | 42 |
| 09 | 88614 | 91 | 59 | 13852 | 41 |
| **10** | 7.42 91155 | **90** | **60** | 7.44 16320 | **40** |
| 11 | 93694 | 89 | 61 | 18787 | 39 |
| 12 | 96231 | 88 | 62 | 21252 | 38 |
| 13 | 7.42 98767 | 87 | 63 | 23716 | 37 |
| 14 | 7.43 01302 | 86 | 64 | 26179 | 36 |
| 15 | 03835 | 85 | 65 | 28640 | 35 |
| 16 | 06366 | 84 | 66 | 31100 | 34 |
| 17 | 08896 | 83 | 67 | 33559 | 33 |
| 18 | 11425 | 82 | 68 | 36016 | 32 |
| 19 | 13952 | 81 | 69 | 38472 | 31 |
| **20** | 7.43 16478 | **80** | **70** | 7.44 40926 | **30** |
| 21 | 19002 | 79 | 71 | 43379 | 29 |
| 22 | 21525 | 78 | 72 | 45830 | 28 |
| 23 | 24046 | 77 | 73 | 48281 | 27 |
| 24 | 26566 | 76 | 74 | 50729 | 26 |
| 25 | 29084 | 75 | 75 | 53177 | 25 |
| 26 | 31601 | 74 | 76 | 55623 | 24 |
| 27 | 34117 | 73 | 77 | 58067 | 23 |
| 28 | 36631 | 72 | 78 | 60511 | 22 |
| 29 | 39143 | 71 | 79 | 62953 | 21 |
| **30** | 7.43 41654 | **70** | **80** | 7.44 65393 | **20** |
| 31 | 44164 | 69 | 81 | 67832 | 19 |
| 32 | 46672 | 68 | 82 | 70270 | 18 |
| 33 | 49179 | 67 | 83 | 72707 | 17 |
| 34 | 51684 | 66 | 84 | 75142 | 16 |
| 35 | 54188 | 65 | 85 | 77575 | 15 |
| 36 | 56691 | 64 | 86 | 80008 | 14 |
| 37 | 59192 | 63 | 87 | 82439 | 13 |
| 38 | 61691 | 62 | 88 | 84868 | 12 |
| 39 | 64189 | 61 | 89 | 87296 | 11 |
| **40** | 7.43 66686 | **60** | **90** | 7.44 89723 | **10** |
| 41 | 69181 | 59 | 91 | 92149 | 09 |
| 42 | 71675 | 58 | 92 | 94573 | 08 |
| 43 | 74167 | 57 | 93 | 96996 | 07 |
| 44 | 76658 | 56 | 94 | 7.44 99417 | 06 |
| 45 | 79148 | 55 | 95 | 7.45 01838 | 05 |
| 46 | 81636 | 54 | 96 | 04256 | 04 |
| 47 | 84122 | 53 | 97 | 06674 | 03 |
| 48 | 86608 | 52 | 98 | 09090 | 02 |
| 49 | 89091 | 51 | 99 | 11505 | 01 |
| **50** | 7.43 91574 | **50** | **100** | 7.45 13918 | **00** |
| | | cc | | | cc |

## log cos $99^g\,82^c$

## log tg $0^g\,16^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.40 02408 | **100** | **50** | 7.41 36048 | **50** |
| 01 | 05121 | 99 | 51 | 38679 | 49 |
| 02 | 07833 | 98 | 52 | 41309 | 48 |
| 03 | 10543 | 97 | 53 | 43937 | 47 |
| 04 | 13252 | 96 | 54 | 46564 | 46 |
| 05 | 15958 | 95 | 55 | 49189 | 45 |
| 06 | 18663 | 94 | 56 | 51812 | 44 |
| 07 | 21367 | 93 | 57 | 54434 | 43 |
| 08 | 24068 | 92 | 58 | 57054 | 42 |
| 09 | 26768 | 91 | 59 | 59672 | 41 |
| **10** | 7.40 29467 | **90** | **60** | 7.41 62289 | **40** |
| 11 | 32163 | 89 | 61 | 64905 | 39 |
| 12 | 34858 | 88 | 62 | 67519 | 38 |
| 13 | 37552 | 87 | 63 | 70131 | 37 |
| 14 | 40243 | 86 | 64 | 72742 | 36 |
| 15 | 42933 | 85 | 65 | 75351 | 35 |
| 16 | 45622 | 84 | 66 | 77959 | 34 |
| 17 | 48308 | 83 | 67 | 80565 | 33 |
| 18 | 50993 | 82 | 68 | 83169 | 32 |
| 19 | 53677 | 81 | 69 | 85772 | 31 |
| **20** | 7.40 56358 | **80** | **70** | 7.41 88373 | **30** |
| 21 | 59038 | 79 | 71 | 90973 | 29 |
| 22 | 61717 | 78 | 72 | 93571 | 28 |
| 23 | 64393 | 77 | 73 | 96168 | 27 |
| 24 | 67068 | 76 | 74 | 7.41 98763 | 26 |
| 25 | 69742 | 75 | 75 | 7.42 01357 | 25 |
| 26 | 72414 | 74 | 76 | 03949 | 24 |
| 27 | 75084 | 73 | 77 | 06539 | 23 |
| 28 | 77752 | 72 | 78 | 09128 | 22 |
| 29 | 80419 | 71 | 79 | 11716 | 21 |
| **30** | 7.40 83084 | **70** | **80** | 7.42 14302 | **20** |
| 31 | 85748 | 69 | 81 | 16886 | 19 |
| 32 | 88410 | 68 | 82 | 19469 | 18 |
| 33 | 91070 | 67 | 83 | 22050 | 17 |
| 34 | 93729 | 66 | 84 | 24630 | 16 |
| 35 | 96386 | 65 | 85 | 27208 | 15 |
| 36 | 7.40 99041 | 64 | 86 | 29785 | 14 |
| 37 | 7.41 01695 | 63 | 87 | 32360 | 13 |
| 38 | 04347 | 62 | 88 | 34933 | 12 |
| 39 | 06998 | 61 | 89 | 37505 | 11 |
| **40** | 7.41 09647 | **60** | **90** | 7.42 40076 | **10** |
| 41 | 12294 | 59 | 91 | 42645 | 09 |
| 42 | 14940 | 58 | 92 | 45213 | 08 |
| 43 | 17584 | 57 | 93 | 47779 | 07 |
| 44 | 20227 | 56 | 94 | 50343 | 06 |
| 45 | 22867 | 55 | 95 | 52906 | 05 |
| 46 | 25507 | 54 | 96 | 55468 | 04 |
| 47 | 28144 | 53 | 97 | 58027 | 03 |
| 48 | 30781 | 52 | 98 | 60586 | 02 |
| 49 | 33415 | 51 | 99 | 63143 | 01 |
| **50** | 7.41 36048 | **50** | **100** | 7.42 65698 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,83^c$

## log tg $0^g\,17^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7.42 65698 | **100** | **50** | 7.43 91590 | **50** |
| 01 | 68252 | 99 | 51 | 94071 | 49 |
| 02 | 70805 | 98 | 52 | 96551 | 48 |
| 03 | 73356 | 97 | 53 | 7.43 99029 | 47 |
| 04 | 75905 | 96 | 54 | 7.44 01506 | 46 |
| 05 | 78453 | 95 | 55 | 03981 | 45 |
| 06 | 80999 | 94 | 56 | 06455 | 44 |
| 07 | 83544 | 93 | 57 | 08927 | 43 |
| 08 | 86088 | 92 | 58 | 11399 | 42 |
| 09 | 88630 | 91 | 59 | 13868 | 41 |
| **10** | 7.42 91170 | **90** | **60** | 7.44 16337 | **40** |
| 11 | 93709 | 89 | 61 | 18803 | 39 |
| 12 | 96247 | 88 | 62 | 21269 | 38 |
| 13 | 7.42 98783 | 87 | 63 | 23733 | 37 |
| 14 | 7.43 01317 | 86 | 64 | 26196 | 36 |
| 15 | 03851 | 85 | 65 | 28657 | 35 |
| 16 | 06382 | 84 | 66 | 31117 | 34 |
| 17 | 08912 | 83 | 67 | 33575 | 33 |
| 18 | 11441 | 82 | 68 | 36033 | 32 |
| 19 | 13968 | 81 | 69 | 38488 | 31 |
| **20** | 7.43 16494 | **80** | **70** | 7.44 40943 | **30** |
| 21 | 19018 | 79 | 71 | 43396 | 29 |
| 22 | 21541 | 78 | 72 | 45847 | 28 |
| 23 | 24062 | 77 | 73 | 48297 | 27 |
| 24 | 26582 | 76 | 74 | 50746 | 26 |
| 25 | 29100 | 75 | 75 | 53194 | 25 |
| 26 | 31617 | 74 | 76 | 55640 | 24 |
| 27 | 34133 | 73 | 77 | 58084 | 23 |
| 28 | 36647 | 72 | 78 | 60528 | 22 |
| 29 | 39159 | 71 | 79 | 62970 | 21 |
| **30** | 7.43 41670 | **70** | **80** | 7.44 65410 | **20** |
| 31 | 44180 | 69 | 81 | 67849 | 19 |
| 32 | 46688 | 68 | 82 | 70287 | 18 |
| 33 | 49195 | 67 | 83 | 72724 | 17 |
| 34 | 51700 | 66 | 84 | 75159 | 16 |
| 35 | 54204 | 65 | 85 | 77592 | 15 |
| 36 | 56707 | 64 | 86 | 80025 | 14 |
| 37 | 59208 | 63 | 87 | 82456 | 13 |
| 38 | 61707 | 62 | 88 | 84885 | 12 |
| 39 | 64205 | 61 | 89 | 87314 | 11 |
| **40** | 7.43 66702 | **60** | **90** | 7.44 89741 | **10** |
| 41 | 69197 | 59 | 91 | 92166 | 09 |
| 42 | 71691 | 58 | 92 | 94590 | 08 |
| 43 | 74183 | 57 | 93 | 97013 | 07 |
| 44 | 76674 | 56 | 94 | 7.44 99435 | 06 |
| 45 | 79164 | 55 | 95 | 7.45 01855 | 05 |
| 46 | 81652 | 54 | 96 | 04274 | 04 |
| 47 | 84139 | 53 | 97 | 06691 | 03 |
| 48 | 86624 | 52 | 98 | 09107 | 02 |
| 49 | 89108 | 51 | 99 | 11522 | 01 |
| **50** | 7.43 91590 | **50** | **100** | 7.45 13935 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,82^c$

## log sin $0^g\,18^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7·45 13918 | **100** | **50** | 7·46 32910 | **50** |
| 01 | 16330 | 99 | 51 | 35257 | 49 |
| 02 | 18741 | 98 | 52 | 37602 | 48 |
| 03 | 21150 | 97 | 53 | 39947 | 47 |
| 04 | 23558 | 96 | 54 | 42290 | 46 |
| 05 | 25965 | 95 | 55 | 44632 | 45 |
| 06 | 28370 | 94 | 56 | 46972 | 44 |
| 07 | 30774 | 93 | 57 | 49312 | 43 |
| 08 | 33177 | 92 | 58 | 51650 | 42 |
| 09 | 35579 | 91 | 59 | 53986 | 41 |
| **10** | 7·45 37979 | **90** | **60** | 7·46 56322 | **40** |
| 11 | 40377 | 89 | 61 | 58656 | 39 |
| 12 | 42775 | 88 | 62 | 60989 | 38 |
| 13 | 45171 | 87 | 63 | 63321 | 37 |
| 14 | 47566 | 86 | 64 | 65652 | 36 |
| 15 | 49959 | 85 | 65 | 67981 | 35 |
| 16 | 52351 | 84 | 66 | 70309 | 34 |
| 17 | 54742 | 83 | 67 | 72636 | 33 |
| 18 | 57132 | 82 | 68 | 74961 | 32 |
| 19 | 59520 | 81 | 69 | 77286 | 31 |
| **20** | 7·45 61907 | **80** | **70** | 7·46 79609 | **30** |
| 21 | 64292 | 79 | 71 | 81930 | 29 |
| 22 | 66677 | 78 | 72 | 84251 | 28 |
| 23 | 69060 | 77 | 73 | 86570 | 27 |
| 24 | 71441 | 76 | 74 | 88888 | 26 |
| 25 | 73822 | 75 | 75 | 91205 | 25 |
| 26 | 76201 | 74 | 76 | 93521 | 24 |
| 27 | 78578 | 73 | 77 | 95835 | 23 |
| 28 | 80955 | 72 | 78 | 7·46 98148 | 22 |
| 29 | 83330 | 71 | 79 | 7·47 00460 | 21 |
| **30** | 7·45 85704 | **70** | **80** | 7·47 02771 | **20** |
| 31 | 88076 | 69 | 81 | 05080 | 19 |
| 32 | 90447 | 68 | 82 | 07389 | 18 |
| 33 | 92817 | 67 | 83 | 09696 | 17 |
| 34 | 95186 | 66 | 84 | 12001 | 16 |
| 35 | 97553 | 65 | 85 | 14306 | 15 |
| 36 | 7·45 99920 | 64 | 86 | 16609 | 14 |
| 37 | 7·46 02284 | 63 | 87 | 18911 | 13 |
| 38 | 04648 | 62 | 88 | 21212 | 12 |
| 39 | 07010 | 61 | 89 | 23512 | 11 |
| **40** | 7·46 09371 | **60** | **90** | 7·47 25810 | **10** |
| 41 | 11731 | 59 | 91 | 28108 | 09 |
| 42 | 14089 | 58 | 92 | 30404 | 08 |
| 43 | 16446 | 57 | 93 | 32699 | 07 |
| 44 | 18802 | 56 | 94 | 34992 | 06 |
| 45 | 21156 | 55 | 95 | 37284 | 05 |
| 46 | 23510 | 54 | 96 | 39576 | 04 |
| 47 | 25862 | 53 | 97 | 41866 | 03 |
| 48 | 28212 | 52 | 98 | 44154 | 02 |
| 49 | 30562 | 51 | 99 | 46442 | 01 |
| **50** | 7·46 32910 | **50** | **100** | 7·47 48728 | **00** |
| | | cc | | | cc |

## log cos $99^g\,81^c$

## log sin $0^g\,19^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7·47 48728 | **100** | **50** | 7·48 61538 | **50** |
| 01 | 51013 | 99 | 51 | 63765 | 49 |
| 02 | 53297 | 98 | 52 | 65990 | 48 |
| 03 | 55580 | 97 | 53 | 68214 | 47 |
| 04 | 57862 | 96 | 54 | 70438 | 46 |
| 05 | 60142 | 95 | 55 | 72660 | 45 |
| 06 | 62421 | 94 | 56 | 74880 | 44 |
| 07 | 64699 | 93 | 57 | 77100 | 43 |
| 08 | 66976 | 92 | 58 | 79319 | 42 |
| 09 | 69252 | 91 | 59 | 81536 | 41 |
| **10** | 7·47 71526 | **90** | **60** | 7·48 83753 | **40** |
| 11 | 73799 | 89 | 61 | 85968 | 39 |
| 12 | 76071 | 88 | 62 | 88182 | 38 |
| 13 | 78342 | 87 | 63 | 90395 | 37 |
| 14 | 80612 | 86 | 64 | 92607 | 36 |
| 15 | 82880 | 85 | 65 | 94817 | 35 |
| 16 | 85147 | 84 | 66 | 97027 | 34 |
| 17 | 87413 | 83 | 67 | 7·48 99235 | 33 |
| 18 | 89678 | 82 | 68 | 7·49 01443 | 32 |
| 19 | 91942 | 81 | 69 | 03649 | 31 |
| **20** | 7·47 94204 | **80** | **70** | 7·49 05854 | **30** |
| 21 | 96466 | 79 | 71 | 08058 | 29 |
| 22 | 7·47 98726 | 78 | 72 | 10261 | 28 |
| 23 | 7·48 00985 | 77 | 73 | 12463 | 27 |
| 24 | 03243 | 76 | 74 | 14663 | 26 |
| 25 | 05499 | 75 | 75 | 16863 | 25 |
| 26 | 07755 | 74 | 76 | 19061 | 24 |
| 27 | 10009 | 73 | 77 | 21258 | 23 |
| 28 | 12262 | 72 | 78 | 23455 | 22 |
| 29 | 14514 | 71 | 79 | 25650 | 21 |
| **30** | 7·48 16765 | **70** | **80** | 7·49 27844 | **20** |
| 31 | 19015 | 69 | 81 | 30037 | 19 |
| 32 | 21263 | 68 | 82 | 32228 | 18 |
| 33 | 23511 | 67 | 83 | 34419 | 17 |
| 34 | 25757 | 66 | 84 | 36608 | 16 |
| 35 | 28002 | 65 | 85 | 38797 | 15 |
| 36 | 30246 | 64 | 86 | 40984 | 14 |
| 37 | 32488 | 63 | 87 | 43170 | 13 |
| 38 | 34730 | 62 | 88 | 45356 | 12 |
| 39 | 36970 | 61 | 89 | 47540 | 11 |
| **40** | 7·48 39209 | **60** | **90** | 7·49 49722 | **10** |
| 41 | 41447 | 59 | 91 | 51904 | 09 |
| 42 | 43684 | 58 | 92 | 54085 | 08 |
| 43 | 45920 | 57 | 93 | 56265 | 07 |
| 44 | 48155 | 56 | 94 | 58443 | 06 |
| 45 | 50388 | 55 | 95 | 60621 | 05 |
| 46 | 52620 | 54 | 96 | 62797 | 04 |
| 47 | 54852 | 53 | 97 | 64972 | 03 |
| 48 | 57082 | 52 | 98 | 67146 | 02 |
| 49 | 59310 | 51 | 99 | 69320 | 01 |
| **50** | 7·48 61538 | **50** | **100** | 7·49 71492 | **00** |
| | | cc | | | cc |

## log cos $99^g\,80^c$

## log tg $0^g\,18^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7·45 13935 | **100** | **50** | 7·46 32928 | **50** |
| 01 | 16347 | 99 | 51 | 35275 | 49 |
| 02 | 18758 | 98 | 52 | 37621 | 48 |
| 03 | 21168 | 97 | 53 | 39965 | 47 |
| 04 | 23576 | 96 | 54 | 42308 | 46 |
| 05 | 25982 | 95 | 55 | 44650 | 45 |
| 06 | 28388 | 94 | 56 | 46991 | 44 |
| 07 | 30792 | 93 | 57 | 49330 | 43 |
| 08 | 33195 | 92 | 58 | 51668 | 42 |
| 09 | 35596 | 91 | 59 | 54005 | 41 |
| **10** | 7·45 37996 | **90** | **60** | 7·46 56341 | **40** |
| 11 | 40395 | 89 | 61 | 58675 | 39 |
| 12 | 42792 | 88 | 62 | 61008 | 38 |
| 13 | 45189 | 87 | 63 | 63340 | 37 |
| 14 | 47583 | 86 | 64 | 65670 | 36 |
| 15 | 49977 | 85 | 65 | 68000 | 35 |
| 16 | 52369 | 84 | 66 | 70328 | 34 |
| 17 | 54760 | 83 | 67 | 72654 | 33 |
| 18 | 57149 | 82 | 68 | 74980 | 32 |
| 19 | 59538 | 81 | 69 | 77304 | 31 |
| **20** | 7·45 61924 | **80** | **70** | 7·46 79627 | **30** |
| 21 | 64310 | 79 | 71 | 81949 | 29 |
| 22 | 66694 | 78 | 72 | 84270 | 28 |
| 23 | 69077 | 77 | 73 | 86589 | 27 |
| 24 | 71459 | 76 | 74 | 88907 | 26 |
| 25 | 73839 | 75 | 75 | 91224 | 25 |
| 26 | 76218 | 74 | 76 | 93540 | 24 |
| 27 | 78596 | 73 | 77 | 95854 | 23 |
| 28 | 80973 | 72 | 78 | 7·46 98167 | 22 |
| 29 | 83348 | 71 | 79 | 7·47 00479 | 21 |
| **30** | 7·45 85722 | **70** | **80** | 7·47 02790 | **20** |
| 31 | 88094 | 69 | 81 | 05099 | 19 |
| 32 | 90465 | 68 | 82 | 07408 | 18 |
| 33 | 92835 | 67 | 83 | 09715 | 17 |
| 34 | 95204 | 66 | 84 | 12020 | 16 |
| 35 | 97571 | 65 | 85 | 14325 | 15 |
| 36 | 7·45 99938 | 64 | 86 | 16628 | 14 |
| 37 | 7·46 02302 | 63 | 87 | 18930 | 13 |
| 38 | 04666 | 62 | 88 | 21231 | 12 |
| 39 | 07028 | 61 | 89 | 23531 | 11 |
| **40** | 7·46 09389 | **60** | **90** | 7·47 25830 | **10** |
| 41 | 11749 | 59 | 91 | 28127 | 09 |
| 42 | 14107 | 58 | 92 | 30423 | 08 |
| 43 | 16464 | 57 | 93 | 32718 | 07 |
| 44 | 18820 | 56 | 94 | 35011 | 06 |
| 45 | 21175 | 55 | 95 | 37304 | 05 |
| 46 | 23528 | 54 | 96 | 39595 | 04 |
| 47 | 25880 | 53 | 97 | 41885 | 03 |
| 48 | 28231 | 52 | 98 | 44174 | 02 |
| 49 | 30580 | 51 | 99 | 46461 | 01 |
| **50** | 7·46 32928 | **50** | **100** | 7·47 48748 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,81^c$

## log tg $0^g\,19^c$

| cc | | | cc | | |
|---|---|---|---|---|---|
| **00** | 7·47 48748 | **100** | **50** | 7·48 61558 | **50** |
| 01 | 51033 | 99 | 51 | 63785 | 49 |
| 02 | 53317 | 98 | 52 | 66011 | 48 |
| 03 | 55600 | 97 | 53 | 68235 | 47 |
| 04 | 57881 | 96 | 54 | 70458 | 46 |
| 05 | 60162 | 95 | 55 | 72680 | 45 |
| 06 | 62441 | 94 | 56 | 74901 | 44 |
| 07 | 64719 | 93 | 57 | 77121 | 43 |
| 08 | 66995 | 92 | 58 | 79339 | 42 |
| 09 | 69271 | 91 | 59 | 81557 | 41 |
| **10** | 7·47 71545 | **90** | **60** | 7·48 83773 | **40** |
| 11 | 73819 | 89 | 61 | 85988 | 39 |
| 12 | 76091 | 88 | 62 | 88203 | 38 |
| 13 | 78362 | 87 | 63 | 90416 | 37 |
| 14 | 80631 | 86 | 64 | 92627 | 36 |
| 15 | 82900 | 85 | 65 | 94838 | 35 |
| 16 | 85167 | 84 | 66 | 97048 | 34 |
| 17 | 87433 | 83 | 67 | 7·48 99256 | 33 |
| 18 | 89698 | 82 | 68 | 7·49 01464 | 32 |
| 19 | 91962 | 81 | 69 | 03670 | 31 |
| **20** | 7·47 94224 | **80** | **70** | 7·49 05875 | **30** |
| 21 | 96486 | 79 | 71 | 08079 | 29 |
| 22 | 7·47 98746 | 78 | 72 | 10282 | 28 |
| 23 | 7·48 01005 | 77 | 73 | 12484 | 27 |
| 24 | 03263 | 76 | 74 | 14684 | 26 |
| 25 | 05519 | 75 | 75 | 16884 | 25 |
| 26 | 07775 | 74 | 76 | 19082 | 24 |
| 27 | 10029 | 73 | 77 | 21279 | 23 |
| 28 | 12282 | 72 | 78 | 23476 | 22 |
| 29 | 14534 | 71 | 79 | 25671 | 21 |
| **30** | 7·48 16785 | **70** | **80** | 7·49 27865 | **20** |
| 31 | 19035 | 69 | 81 | 30058 | 19 |
| 32 | 21283 | 68 | 82 | 32249 | 18 |
| 33 | 23531 | 67 | 83 | 34440 | 17 |
| 34 | 25777 | 66 | 84 | 36630 | 16 |
| 35 | 28022 | 65 | 85 | 38818 | 15 |
| 36 | 30266 | 64 | 86 | 41005 | 14 |
| 37 | 32508 | 63 | 87 | 43192 | 13 |
| 38 | 34750 | 62 | 88 | 45377 | 12 |
| 39 | 36990 | 61 | 89 | 47561 | 11 |
| **40** | 7·48 39230 | **60** | **90** | 7·49 49744 | **10** |
| 41 | 41468 | 59 | 91 | 51926 | 09 |
| 42 | 43704 | 58 | 92 | 54106 | 08 |
| 43 | 45940 | 57 | 93 | 56286 | 07 |
| 44 | 48175 | 56 | 94 | 58465 | 06 |
| 45 | 50408 | 55 | 95 | 60642 | 05 |
| 46 | 52641 | 54 | 96 | 62818 | 04 |
| 47 | 54872 | 53 | 97 | 64994 | 03 |
| 48 | 57102 | 52 | 98 | 67168 | 02 |
| 49 | 59331 | 51 | 99 | 69341 | 01 |
| **50** | 7·48 61558 | **50** | **100** | 7·49 71513 | **00** |
| | | cc | | | cc |

## log ctg $99^g\,80^c$

## log sin $0^g\,20^c$ — log sin $0^g\,25^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | c | cc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **20** | **00** | 7·49 71492 | 73663 | 75832 | 78001 | 80169 | 82335 | 84501 | 86665 | 88829 | 90991 | 93152 | | 90 |
| | 10 | 7·49 93152 | 95312 | 97471 | 99629 | *01786 | *03942 | *06097 | *08250 | *10403 | *12555 | *14705 | | 80 |
| | 20 | 7·50 14705 | 16855 | 19003 | 21150 | 23297 | 25442 | 27586 | 29729 | 31871 | 34012 | 36152 | | 70 |
| | 30 | 36152 | 38291 | 40428 | 42565 | 44701 | 46836 | 48969 | 51102 | 53233 | 55364 | 57493 | | 60 |
| | 40 | 57493 | 59621 | 61749 | 63875 | 66000 | 68124 | 70248 | 72370 | 74491 | 76611 | 78730 | | 50 |
| | 50 | 78730 | 80848 | 82965 | 85081 | 87196 | 89309 | 91422 | 93534 | 95645 | 97755 | 99863 | | 40 |
| | 60 | 7·50 99863 | *01971 | *04078 | *06183 | *08288 | *10392 | *12494 | *14596 | *16696 | *18796 | *20895 | | 30 |
| | 70 | 7·51 20895 | 22992 | 25089 | 27184 | 29279 | 31372 | 33465 | 35556 | 37646 | 39736 | 41824 | | 20 |
| | 80 | 41824 | 43912 | 45998 | 48084 | 50168 | 52252 | 54334 | 56415 | 58496 | 60575 | 62654 | | 10 |
| | 90 | 62654 | 64731 | 66808 | 68883 | 70958 | 73031 | 75104 | 77175 | 79246 | 81315 | 83384 | **79** | **00** |
| **21** | **00** | 7·51 83384 | 85451 | 87518 | 89584 | 91648 | 93712 | 95775 | 97836 | 99897 | *01957 | *04015 | | 90 |
| | 10 | 7·52 04015 | 06073 | 08130 | 10186 | 12241 | 14294 | 16347 | 18399 | 20450 | 22500 | 24549 | | 80 |
| | 20 | 24549 | 26597 | 28645 | 30691 | 32736 | 34780 | 36823 | 38866 | 40907 | 42947 | 44987 | | 70 |
| | 30 | 44987 | 47025 | 49063 | 51099 | 53135 | 55169 | 57203 | 59236 | 61268 | 63298 | 65328 | | 60 |
| | 40 | 65328 | 67357 | 69385 | 71412 | 73438 | 75464 | 77488 | 79511 | 81533 | 83555 | 85575 | | 50 |
| | 50 | 7·52 85575 | 87595 | 89613 | 91631 | 93647 | 95663 | 97678 | 99692 | *01705 | *03717 | *05728 | | 40 |
| | 60 | 7·53 05728 | 07738 | 09747 | 11756 | 13763 | 15769 | 17775 | 19779 | 21783 | 23786 | 25788 | | 30 |
| | 70 | 25788 | 27789 | 29789 | 31788 | 33786 | 35783 | 37779 | 39775 | 41769 | 43763 | 45755 | | 20 |
| | 80 | 45755 | 47747 | 49738 | 51728 | 53717 | 55705 | 57692 | 59678 | 61663 | 63648 | 65631 | | 10 |
| | 90 | 65631 | 67614 | 69596 | 71576 | 73556 | 75535 | 77514 | 79491 | 81467 | 83442 | 85417 | **78** | **00** |
| **22** | **00** | 7·53 85417 | 87391 | 89363 | 91335 | 93306 | 95276 | 97245 | 99213 | *01181 | *03147 | *05113 | | 90 |
| | 10 | 7·54 05113 | 07077 | 09041 | 11004 | 12966 | 14927 | 16888 | 18847 | 20805 | 22763 | 24720 | | 80 |
| | 20 | 24720 | 26676 | 28630 | 30585 | 32538 | 34490 | 36442 | 38392 | 40342 | 42291 | 44239 | | 70 |
| | 30 | 44239 | 46186 | 48132 | 50077 | 52022 | 53965 | 55908 | 57850 | 59791 | 61731 | 63670 | | 60 |
| | 40 | 63670 | 65608 | 67546 | 69483 | 71418 | 73353 | 75287 | 77220 | 79153 | 81084 | 83015 | | 50 |
| | 50 | 7·54 83015 | 84945 | 86874 | 88802 | 90729 | 92655 | 94581 | 96505 | 98429 | *00352 | *02274 | | 40 |
| | 60 | 7·55 02274 | 04195 | 06116 | 08035 | 09954 | 11872 | 13789 | 15705 | 17620 | 19535 | 21448 | | 30 |
| | 70 | 21448 | 23361 | 25273 | 27184 | 29094 | 31004 | 32912 | 34820 | 36727 | 38633 | 40538 | | 20 |
| | 80 | 40538 | 42442 | 44346 | 46249 | 48150 | 50051 | 51952 | 53851 | 55750 | 57647 | 59544 | | 10 |
| | 90 | 59544 | 61440 | 63336 | 65230 | 67124 | 69016 | 70908 | 72799 | 74690 | 76579 | 78468 | **77** | **00** |
| **23** | **00** | 7·55 78468 | 80356 | 82242 | 84129 | 86014 | 87899 | 89782 | 91665 | 93547 | 95429 | 97309 | | 90 |
| | 10 | 7·55 97309 | 99189 | *01068 | *02946 | *04823 | *06699 | *08575 | *10450 | *12323 | *14197 | *16069 | | 80 |
| | 20 | 7·56 16069 | 17941 | 19811 | 21681 | 23550 | 25419 | 27286 | 29153 | 31019 | 32884 | 34748 | | 70 |
| | 30 | 34748 | 36612 | 38475 | 40336 | 42198 | 44058 | 45917 | 47776 | 49634 | 51491 | 53348 | | 60 |
| | 40 | 53348 | 55203 | 57058 | 58912 | 60765 | 62617 | 64469 | 66320 | 68170 | 70019 | 71868 | | 50 |
| | 50 | 71868 | 73715 | 75562 | 77408 | 79253 | 81098 | 82942 | 84785 | 86627 | 88468 | 90309 | | 40 |
| | 60 | 7·56 90309 | 92149 | 93988 | 95826 | 97664 | 99500 | *01336 | *03171 | *05006 | *06839 | *08672 | | 30 |
| | 70 | 7·57 08672 | 10504 | 12336 | 14166 | 15996 | 17825 | 19653 | 21480 | 23307 | 25133 | 26958 | | 20 |
| | 80 | 26958 | 28783 | 30606 | 32429 | 34251 | 36072 | 37893 | 39713 | 41532 | 43350 | 45168 | | 10 |
| | 90 | 45168 | 46984 | 48800 | 50616 | 52430 | 54244 | 56057 | 57869 | 59680 | 61491 | 63301 | **76** | **00** |
| **24** | **00** | 7·57 63301 | 65110 | 66918 | 68726 | 70533 | 72339 | 74145 | 75949 | 77753 | 79556 | 81359 | | 90 |
| | 10 | 81359 | 83160 | 84961 | 86762 | 88561 | 90360 | 92158 | 93955 | 95751 | 97547 | 99342 | | 80 |
| | 20 | 7·57 99342 | *01136 | *02930 | *04722 | *06514 | *08306 | *10096 | *11886 | *13675 | *15463 | *17251 | | 70 |
| | 30 | 7·58 17251 | 19038 | 20824 | 22609 | 24394 | 26178 | 27961 | 29743 | 31525 | 33306 | 35086 | | 60 |
| | 40 | 35086 | 36866 | 38645 | 40423 | 42200 | 43977 | 45753 | 47528 | 49302 | 51076 | 52849 | | 50 |
| | 50 | 52849 | 54621 | 56393 | 58164 | 59934 | 61703 | 63472 | 65240 | 67007 | 68773 | 70539 | | 40 |
| | 60 | 70539 | 72304 | 74068 | 75832 | 77595 | 79357 | 81119 | 82879 | 84639 | 86399 | 88157 | | 30 |
| | 70 | 7·58 88157 | 89915 | 91673 | 93429 | 95185 | 96940 | 98694 | *00448 | *02201 | *03953 | *05705 | | 20 |
| | 80 | 7·59 05705 | 07455 | 09206 | 10955 | 12704 | 14452 | 16199 | 17946 | 19691 | 21437 | 23181 | | 10 |
| | 90 | 7·59 23181 | 24925 | 26668 | 28410 | 30152 | 31893 | 33633 | 35373 | 37112 | 38850 | 40588 | **75** | **00** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c | cc |

## log cos $99^g\,75^c$ — log cos $99^g\,80^c$

## log tg $0^g\,20^c$ — log tg $0^g\,25^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | c | cc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **20** | **00** | 7·49 71513 | 73684 | 75854 | 78023 | 80190 | 82357 | 84522 | 86687 | 88850 | 91013 | 93174 | | 90 |
| | 10 | 7·49 93174 | 95334 | 97493 | 99651 | *01808 | *03964 | *06119 | *08272 | *10425 | *12577 | *14727 | | 80 |
| | 20 | 7·50 14727 | 16876 | 19025 | 21172 | 23318 | 25464 | 27608 | 29751 | 31893 | 34034 | 36174 | | 70 |
| | 30 | 36174 | 38313 | 40451 | 42587 | 44723 | 46858 | 48991 | 51124 | 53255 | 55386 | 57515 | | 60 |
| | 40 | 57515 | 59644 | 61771 | 63897 | 66023 | 68147 | 70270 | 72392 | 74513 | 76633 | 78752 | | 50 |
| | 50 | 78752 | 80870 | 82987 | 85103 | 87218 | 89332 | 91445 | 93557 | 95668 | 97777 | 99886 | | 40 |
| | 60 | 7·50 99886 | *01994 | *04101 | *06206 | *08311 | *10415 | *12517 | *14619 | *16719 | *18819 | *20918 | | 30 |
| | 70 | 7·51 20918 | 23015 | 25112 | 27207 | 29302 | 31395 | 33488 | 35579 | 37670 | 39759 | 41848 | | 20 |
| | 80 | 41848 | 43935 | 46022 | 48107 | 50191 | 52275 | 54357 | 56439 | 58519 | 60599 | 62677 | | 10 |
| | 90 | 62677 | 64755 | 66831 | 68907 | 70981 | 73055 | 75127 | 77199 | 79269 | 81339 | 83407 | **79** | **00** |
| **21** | **00** | 7·51 83407 | 85475 | 87542 | 89607 | 91672 | 93736 | 95798 | 97860 | 99921 | *01980 | *04039 | | 90 |
| | 10 | 7·52 04039 | 06097 | 08154 | 10210 | 12265 | 14318 | 16371 | 18423 | 20474 | 22524 | 24573 | | 80 |
| | 20 | 24573 | 26622 | 28669 | 30715 | 32760 | 34804 | 36848 | 38890 | 40931 | 42972 | 45011 | | 70 |
| | 30 | 45011 | 47049 | 49087 | 51124 | 53159 | 55194 | 57228 | 59260 | 61292 | 63323 | 65353 | | 60 |
| | 40 | 65353 | 67382 | 69410 | 71437 | 73463 | 75488 | 77512 | 79536 | 81558 | 83579 | 85600 | | 50 |
| | 50 | 7·52 85600 | 87619 | 89638 | 91656 | 93672 | 95688 | 97703 | 99717 | *01730 | *03742 | *05753 | | 40 |
| | 60 | 7·53 05753 | 07763 | 09772 | 11781 | 13788 | 15795 | 17800 | 19805 | 21808 | 23811 | 25813 | | 30 |
| | 70 | 25813 | 27814 | 29814 | 31813 | 33811 | 35808 | 37805 | 39800 | 41794 | 43788 | 45781 | | 20 |
| | 80 | 45781 | 47772 | 49763 | 51753 | 53742 | 55730 | 57717 | 59704 | 61689 | 63674 | 65657 | | 10 |
| | 90 | 65657 | 67640 | 69621 | 71602 | 73582 | 75561 | 77539 | 79517 | 81493 | 83468 | 85443 | **78** | **00** |
| **22** | **00** | 7·53 85443 | 87416 | 89389 | 91361 | 93332 | 95302 | 97271 | 99240 | *01207 | *03173 | *05139 | | 90 |
| | 10 | 7·54 05139 | 07104 | 09067 | 11030 | 12992 | 14954 | 16914 | 18873 | 20832 | 22789 | 24746 | | 80 |
| | 20 | 24746 | 26702 | 28657 | 30611 | 32564 | 34517 | 36468 | 38419 | 40368 | 42317 | 44265 | | 70 |
| | 30 | 44265 | 46212 | 48158 | 50104 | 52048 | 53992 | 55935 | 57876 | 59817 | 61758 | 63697 | | 60 |
| | 40 | 63697 | 65635 | 67573 | 69509 | 71445 | 73380 | 75314 | 77248 | 79180 | 81111 | 83042 | | 50 |
| | 50 | 7·54 83042 | 84972 | 86901 | 88829 | 90756 | 92682 | 94608 | 96533 | 98456 | *00379 | *02301 | | 40 |
| | 60 | 7·55 02301 | 04223 | 06143 | 08063 | 09981 | 11899 | 13816 | 15732 | 17648 | 19562 | 21476 | | 30 |
| | 70 | 21476 | 23389 | 25300 | 27212 | 29122 | 31031 | 32940 | 34848 | 36755 | 38661 | 40566 | | 20 |
| | 80 | 40566 | 42470 | 44374 | 46277 | 48178 | 50079 | 51980 | 53879 | 55778 | 57675 | 59572 | | 10 |
| | 90 | 59572 | 61468 | 63364 | 65258 | 67152 | 69044 | 70936 | 72828 | 74718 | 76607 | 78496 | **77** | **00** |
| **23** | **00** | 7·55 78496 | 80384 | 82271 | 84157 | 86042 | 87927 | 89811 | 91694 | 93576 | 95457 | 97338 | | 90 |
| | 10 | 7·55 97338 | 99217 | *01096 | *02974 | *04851 | *06728 | *08603 | *10478 | *12352 | *14225 | *16098 | | 80 |
| | 20 | 7·56 16098 | 17969 | 19840 | 21710 | 23579 | 25448 | 27315 | 29182 | 31048 | 32913 | 34777 | | 70 |
| | 30 | 34777 | 36641 | 38504 | 40366 | 42227 | 44087 | 45947 | 47805 | 49663 | 51521 | 53377 | | 60 |
| | 40 | 53377 | 55232 | 57087 | 58941 | 60794 | 62647 | 64499 | 66349 | 68199 | 70049 | 71897 | | 50 |
| | 50 | 71897 | 73745 | 75592 | 77438 | 79283 | 81128 | 82971 | 84814 | 86657 | 88498 | 90339 | | 40 |
| | 60 | 7·56 90339 | 92179 | 94018 | 95856 | 97693 | 99530 | *01366 | *03201 | *05036 | *06869 | *08702 | | 30 |
| | 70 | 7·57 08702 | 10534 | 12366 | 14196 | 16026 | 17855 | 19683 | 21511 | 23337 | 25163 | 26989 | | 20 |
| | 80 | 26989 | 28813 | 30637 | 32459 | 34282 | 36103 | 37923 | 39743 | 41562 | 43381 | 45198 | | 10 |
| | 90 | 45198 | 47015 | 48831 | 50646 | 52461 | 54274 | 56087 | 57900 | 59711 | 61522 | 63332 | **76** | **00** |
| **24** | **00** | 7·57 63332 | 65141 | 66949 | 68757 | 70564 | 72370 | 74176 | 75980 | 77784 | 79587 | 81390 | | 90 |
| | 10 | 81390 | 83192 | 84993 | 86793 | 88592 | 90391 | 92189 | 93986 | 95783 | 97578 | 99373 | | 80 |
| | 20 | 7·57 99373 | *01168 | *02961 | *04754 | *06546 | *08337 | *10128 | *11918 | *13707 | *15495 | *17283 | | 70 |
| | 30 | 7·58 17283 | 19069 | 20856 | 22641 | 24426 | 26210 | 27993 | 29775 | 31557 | 33338 | 35118 | | 60 |
| | 40 | 35118 | 36898 | 38677 | 40455 | 42232 | 44009 | 45785 | 47560 | 49334 | 51108 | 52881 | | 50 |
| | 50 | 52881 | 54653 | 56425 | 58196 | 59966 | 61735 | 63504 | 65272 | 67039 | 68806 | 70571 | | 40 |
| | 60 | 70571 | 72337 | 74101 | 75865 | 77627 | 79390 | 81151 | 82912 | 84672 | 86431 | 88190 | | 30 |
| | 70 | 7·58 88190 | 89948 | 91705 | 93462 | 95218 | 96973 | 98727 | *00481 | *02234 | *03986 | *05738 | | 20 |
| | 80 | 7·59 05738 | 07488 | 09239 | 10988 | 12737 | 14485 | 16232 | 17979 | 19725 | 21470 | 23214 | | 10 |
| | 90 | 7·59 23214 | 24958 | 26701 | 28444 | 30185 | 31927 | 33667 | 35406 | 37145 | 38884 | 40621 | **75** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $99^g\,75^c$ — log ctg $99^g\,80^c$

## log sin $0^g\,25^c$ — log sin $0^g\,30^c$

| c | cc | | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **25** | **oo** | 7·59 | 40588 | 42325 | 44061 | 45796 | 47531 | 49265 | 50998 | 52731 | 54463 | 56194 | 57925 | | 90 |
| | 10 | | 57925 | 59655 | 61384 | 63112 | 64840 | 66567 | 68294 | 70020 | 71745 | 73469 | 75193 | | 80 |
| | 20 | | 75193 | 76916 | 78638 | 80360 | 82081 | 83801 | 85521 | 87240 | 88958 | 90676 | 92393 | | 70 |
| | 30 | 7·59 | 92393 | 94109 | 95824 | 97539 | 99253 | *00967 | *02680 | *04392 | *06103 | *07814 | *09524 | | 60 |
| | 40 | 7·60 | 09524 | 11234 | 12943 | 14651 | 16358 | 18065 | 19771 | 21477 | 23181 | 24886 | 26589 | | 50 |
| | 50 | | 26589 | 28292 | 29994 | 31695 | 33396 | 35096 | 36796 | 38494 | 40192 | 41890 | 43587 | | 40 |
| | 60 | | 43587 | 45283 | 46978 | 48673 | 50367 | 52061 | 53754 | 55446 | 57137 | 58828 | 60518 | | 30 |
| | 70 | | 60518 | 62208 | 63897 | 65585 | 67272 | 68959 | 70646 | 72331 | 74016 | 75700 | 77384 | | 20 |
| | 80 | | 77384 | 79067 | 80749 | 82431 | 84112 | 85792 | 87472 | 89151 | 90830 | 92507 | 94184 | | 10 |
| | 90 | 7·60 | 94184 | 95861 | 97537 | 99212 | *00886 | *02560 | *04234 | *05906 | *07578 | *09250 | *10920 | **74** | **oo** |
| **26** | **oo** | 7·61 | 10920 | 12590 | 14260 | 15928 | 17596 | 19264 | 20931 | 22597 | 24262 | 25927 | 27592 | | 90 |
| | 10 | | 27592 | 29255 | 30918 | 32581 | 34242 | 35903 | 37564 | 39224 | 40883 | 42542 | 44199 | | 80 |
| | 20 | | 44199 | 45857 | 47513 | 49169 | 50825 | 52480 | 54134 | 55787 | 57440 | 59092 | 60744 | | 70 |
| | 30 | | 60744 | 62395 | 64045 | 65695 | 67344 | 68993 | 70640 | 72288 | 73934 | 75580 | 77226 | | 60 |
| | 40 | | 77226 | 78870 | 80514 | 82158 | 83801 | 85443 | 87085 | 88726 | 90366 | 92006 | 93645 | | 50 |
| | 50 | 7·61 | 93645 | 95283 | 96921 | 98559 | *00195 | *01831 | *03467 | *05102 | *06736 | *08370 | *10002 | | 40 |
| | 60 | 7·62 | 10002 | 11635 | 13267 | 14898 | 16528 | 18158 | 19788 | 21416 | 23044 | 24672 | 26299 | | 30 |
| | 70 | | 26299 | 27925 | 29551 | 31176 | 32800 | 34424 | 36047 | 37670 | 39292 | 40913 | 42534 | | 20 |
| | 80 | | 42534 | 44154 | 45774 | 47393 | 49011 | 50629 | 52246 | 53863 | 55479 | 57094 | 58709 | | 10 |
| | 90 | | 58709 | 60323 | 61936 | 63549 | 65162 | 66773 | 68385 | 69995 | 71605 | 73215 | 74823 | **73** | **oo** |
| **27** | **oo** | 7·62 | 74823 | 76432 | 78039 | 79646 | 81253 | 82858 | 84464 | 86068 | 87672 | 89276 | 90879 | | 90 |
| | 10 | 7·62 | 90879 | 92481 | 94082 | 95684 | 97284 | 98884 | *00483 | *02082 | *03680 | *05278 | *06875 | | 80 |
| | 20 | 7·63 | 06875 | 08471 | 10067 | 11662 | 13257 | 14851 | 16444 | 18037 | 19629 | 21221 | 22812 | | 70 |
| | 30 | | 22812 | 24402 | 25992 | 27582 | 29171 | 30759 | 32346 | 33933 | 35520 | 37106 | 38691 | | 60 |
| | 40 | | 38691 | 40276 | 41860 | 43443 | 45026 | 46609 | 48191 | 49772 | 51353 | 52933 | 54512 | | 50 |
| | 50 | | 54512 | 56091 | 57670 | 59247 | 60825 | 62401 | 63977 | 65553 | 67128 | 68702 | 70276 | | 40 |
| | 60 | | 70276 | 71849 | 73422 | 74994 | 76566 | 78136 | 79707 | 81277 | 82846 | 84415 | 85983 | | 30 |
| | 70 | 7·63 | 85983 | 87550 | 89117 | 90684 | 92250 | 93815 | 95380 | 96944 | 98507 | *00070 | *01633 | | 20 |
| | 80 | 7·64 | 01633 | 03195 | 04756 | 06317 | 07877 | 09437 | 10996 | 12555 | 14113 | 15670 | 17227 | | 10 |
| | 90 | | 17227 | 18783 | 20339 | 21894 | 23449 | 25003 | 26556 | 28109 | 29662 | 31214 | 32765 | **72** | **oo** |
| **28** | **oo** | 7·64 | 32765 | 34316 | 35866 | 37416 | 38965 | 40513 | 42061 | 43609 | 45156 | 46702 | 48248 | | 90 |
| | 10 | | 48248 | 49793 | 51338 | 52882 | 54426 | 55969 | 57511 | 59053 | 60594 | 62135 | 63676 | | 80 |
| | 20 | | 63676 | 65215 | 66755 | 68293 | 69831 | 71369 | 72906 | 74443 | 75979 | 77514 | 79049 | | 70 |
| | 30 | | 79049 | 80583 | 82117 | 83650 | 85183 | 86715 | 88247 | 89778 | 91308 | 92838 | 94368 | | 60 |
| | 40 | 7·64 | 94368 | 95897 | 97425 | 98953 | *00480 | *02007 | *03533 | *05059 | *06584 | *08109 | *09633 | | 50 |
| | 50 | 7·65 | 09633 | 11156 | 12679 | 14202 | 15724 | 17245 | 18766 | 20287 | 21806 | 23326 | 24844 | | 40 |
| | 60 | | 24844 | 26363 | 27880 | 29398 | 30914 | 32430 | 33946 | 35461 | 36976 | 38490 | 40003 | | 30 |
| | 70 | | 40003 | 41516 | 43028 | 44540 | 46052 | 47562 | 49073 | 50583 | 52092 | 53601 | 55109 | | 20 |
| | 80 | | 55109 | 56617 | 58124 | 59630 | 61136 | 62642 | 64147 | 65652 | 67156 | 68659 | 70162 | | 10 |
| | 90 | | 70162 | 71665 | 73167 | 74668 | 76169 | 77669 | 79169 | 80669 | 82168 | 83666 | 85164 | **71** | **oo** |
| **29** | **oo** | 7·65 | 85164 | 86661 | 88158 | 89654 | 91150 | 92645 | 94140 | 95634 | 97128 | 98621 | *00114 | | 90 |
| | 10 | 7·66 | 00114 | 01606 | 03097 | 04588 | 06079 | 07569 | 09059 | 10548 | 12036 | 13525 | 15012 | | 80 |
| | 20 | | 15012 | 16499 | 17986 | 19472 | 20957 | 22442 | 23927 | 25411 | 26894 | 28377 | 29860 | | 70 |
| | 30 | | 29860 | 31342 | 32823 | 34304 | 35784 | 37264 | 38744 | 40223 | 41701 | 43179 | 44657 | | 60 |
| | 40 | | 44657 | 46134 | 47610 | 49086 | 50561 | 52036 | 53511 | 54985 | 56458 | 57931 | 59403 | | 50 |
| | 50 | | 59403 | 60875 | 62347 | 63818 | 65288 | 66758 | 68227 | 69696 | 71165 | 72633 | 74100 | | 40 |
| | 60 | | 74100 | 75567 | 77034 | 78500 | 79965 | 81430 | 82895 | 84359 | 85822 | 87285 | 88748 | | 30 |
| | 70 | 7·66 | 88748 | 90210 | 91671 | 93132 | 94593 | 96053 | 97512 | 98971 | *00430 | *01888 | *03346 | | 20 |
| | 80 | 7·67 | 03346 | 04803 | 06259 | 07715 | 09171 | 10626 | 12081 | 13535 | 14989 | 16442 | 17895 | | 10 |
| | 90 | 7·67 | 17895 | 19347 | 20799 | 22250 | 23701 | 25151 | 26601 | 28050 | 29499 | 30947 | 32395 | **70** | **oo** |
| | | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c | cc |

## log cos $99^g\,70^c$ — log cos $99^g\,75^c$

## log tg $0^g\,25^c$ — log tg $0^g\,30^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **25** | **00** | 7·59 40621 | 42358 | 44094 | 45830 | 47564 | 49298 | 51032 | 52765 | 54497 | 56228 | 57958 | 90 |
| | 10 | 57958 | 59688 | 61418 | 63146 | 64874 | 66601 | 68328 | 70054 | 71779 | 73503 | 75227 | 80 |
| | 20 | 75227 | 76950 | 78672 | 80394 | 82115 | 83835 | 85555 | 87274 | 88992 | 90710 | 92427 | 70 |
| | 30 | 7·59 92427 | 94143 | 95859 | 97574 | 99288 | *01001 | *02714 | *04426 | *06138 | *07849 | *09559 | 60 |
| | 40 | 7·60 09559 | 11268 | 12977 | 14685 | 16393 | 18100 | 19806 | 21511 | 23216 | 24920 | 26624 | 50 |
| | 50 | 26624 | 28327 | 30029 | 31730 | 33431 | 35131 | 36831 | 38529 | 40228 | 41925 | 43622 | 40 |
| | 60 | 43622 | 45318 | 47013 | 48708 | 50402 | 52096 | 53789 | 55481 | 57173 | 58863 | 60554 | 30 |
| | 70 | 60554 | 62243 | 63932 | 65620 | 67308 | 68995 | 70681 | 72367 | 74052 | 75736 | 77420 | 20 |
| | 80 | 77420 | 79103 | 80785 | 82467 | 84148 | 85828 | 87508 | 89187 | 90865 | 92543 | 94220 | 10 |
| | 90 | 7·60 94220 | 95897 | 97573 | 99248 | *00923 | *02596 | *04270 | *05942 | *07614 | *09286 | *10956 | **74 00** |
| **26** | **00** | 7·61 10956 | 12626 | 14296 | 15965 | 17633 | 19300 | 20967 | 22633 | 24299 | 25964 | 27628 | 90 |
| | 10 | 27628 | 29292 | 30955 | 32617 | 34279 | 35940 | 37601 | 39260 | 40920 | 42578 | 44236 | 80 |
| | 20 | 44236 | 45894 | 47550 | 49206 | 50862 | 52516 | 54171 | 55824 | 57477 | 59129 | 60781 | 70 |
| | 30 | 60781 | 62432 | 64082 | 65732 | 67381 | 69030 | 70678 | 72325 | 73972 | 75618 | 77263 | 60 |
| | 40 | 77263 | 78908 | 80552 | 82195 | 83838 | 85481 | 87122 | 88763 | 90404 | 92043 | 93683 | 50 |
| | 50 | 7·61 93683 | 95321 | 96959 | 98596 | *00233 | *01869 | *03505 | *05140 | *06774 | *08407 | *10040 | 40 |
| | 60 | 7·62 10040 | 11673 | 13305 | 14936 | 16566 | 18196 | 19826 | 21454 | 23082 | 24710 | 26337 | 30 |
| | 70 | 26337 | 27963 | 29589 | 31214 | 32838 | 34462 | 36085 | 37708 | 39330 | 40952 | 42572 | 20 |
| | 80 | 42572 | 44193 | 45812 | 47431 | 49050 | 50667 | 52285 | 53901 | 55517 | 57133 | 58747 | 10 |
| | 90 | 58747 | 60362 | 61975 | 63588 | 65201 | 66812 | 68424 | 70034 | 71644 | 73254 | 74862 | **73 00** |
| **27** | **00** | 7·62 74862 | 76471 | 78078 | 79685 | 81292 | 82898 | 84503 | 86108 | 87712 | 89315 | 90918 | 90 |
| | 10 | 7·62 90918 | 92520 | 94122 | 95723 | 97324 | 98923 | *00523 | *02122 | *03720 | *05317 | *06914 | 80 |
| | 20 | 7·63 06914 | 08511 | 10106 | 11702 | 13296 | 14890 | 16484 | 18077 | 19669 | 21261 | 22852 | 70 |
| | 30 | 22852 | 24442 | 26032 | 27622 | 29211 | 30799 | 32386 | 33974 | 35560 | 37146 | 38731 | 60 |
| | 40 | 38731 | 40316 | 41900 | 43484 | 45067 | 46649 | 48231 | 49812 | 51393 | 52973 | 54553 | 50 |
| | 50 | 54553 | 56132 | 57710 | 59288 | 60865 | 62442 | 64018 | 65594 | 67169 | 68743 | 70317 | 40 |
| | 60 | 70317 | 71890 | 73463 | 75035 | 76606 | 78177 | 79748 | 81318 | 82887 | 84456 | 86024 | 30 |
| | 70 | 7·63 86024 | 87591 | 89158 | 90725 | 92291 | 93856 | 95421 | 96985 | 98549 | *00112 | *01674 | 20 |
| | 80 | 7·64 01674 | 03236 | 04798 | 06358 | 07919 | 09478 | 11038 | 12596 | 14154 | 15712 | 17269 | 10 |
| | 90 | 17269 | 18825 | 20381 | 21936 | 23491 | 25045 | 26598 | 28151 | 29704 | 31256 | 32807 | **72 00** |
| **28** | **00** | 7·64 32807 | 34358 | 35908 | 37458 | 39007 | 40556 | 42104 | 43651 | 45198 | 46744 | 48290 | 90 |
| | 10 | 48290 | 49835 | 51380 | 52924 | 54468 | 56011 | 57554 | 59096 | 60637 | 62178 | 63718 | 80 |
| | 20 | 63718 | 65258 | 66797 | 68336 | 69874 | 71412 | 72949 | 74485 | 76021 | 77557 | 79092 | 70 |
| | 30 | 79092 | 80626 | 82160 | 83693 | 85226 | 86758 | 88290 | 89821 | 91351 | 92881 | 94411 | 60 |
| | 40 | 7·64 94411 | 95940 | 97468 | 98996 | *00524 | *02050 | *03577 | *05102 | *06628 | *08152 | *09676 | 50 |
| | 50 | 7·65 09676 | 11200 | 12723 | 14246 | 15768 | 17289 | 18810 | 20330 | 21850 | 23370 | 24888 | 40 |
| | 60 | 24888 | 26407 | 27924 | 29442 | 30958 | 32474 | 33990 | 35505 | 37020 | 38534 | 40047 | 30 |
| | 70 | 40047 | 41560 | 43073 | 44585 | 46096 | 47607 | 49117 | 50627 | 52136 | 53645 | 55153 | 20 |
| | 80 | 55153 | 56661 | 58168 | 59675 | 61181 | 62687 | 64192 | 65696 | 67200 | 68704 | 70207 | 10 |
| | 90 | 70207 | 71710 | 73212 | 74713 | 76214 | 77714 | 79214 | 80714 | 82213 | 83711 | 85209 | **71 00** |
| **29** | **00** | 7·65 85209 | 86706 | 88203 | 89699 | 91195 | 92690 | 94185 | 95679 | 97173 | 98666 | *00159 | 90 |
| | 10 | 7·66 00159 | 01651 | 03143 | 04634 | 06125 | 07615 | 09104 | 10593 | 12082 | 13570 | 15058 | 80 |
| | 20 | 15058 | 16545 | 18031 | 19517 | 21003 | 22488 | 23973 | 25457 | 26940 | 28423 | 29906 | 70 |
| | 30 | 29906 | 31388 | 32869 | 34350 | 35831 | 37311 | 38790 | 40269 | 41748 | 43225 | 44703 | 60 |
| | 40 | 44703 | 46180 | 47656 | 49132 | 50608 | 52083 | 53557 | 55031 | 56505 | 57978 | 59450 | 50 |
| | 50 | 59450 | 60922 | 62393 | 63864 | 65335 | 66805 | 68274 | 69743 | 71212 | 72680 | 74147 | 40 |
| | 60 | 74147 | 75614 | 77081 | 78547 | 80012 | 81477 | 82942 | 84406 | 85869 | 87332 | 88795 | 30 |
| | 70 | 7·66 88795 | 90257 | 91718 | 93179 | 94640 | 96100 | 97560 | 99019 | *00477 | *01936 | *03393 | 20 |
| | 80 | 7·67 03393 | 04850 | 06307 | 07763 | 09219 | 10674 | 12129 | 13583 | 15037 | 16490 | 17943 | 10 |
| | 90 | 7·67 17943 | 19395 | 20847 | 22298 | 23749 | 25199 | 26649 | 28098 | 29547 | 30996 | 32443 | **70 00** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $99^g\,70^c$ — log ctg $99^g\,75^c$

## log sin $0^g\,30^c$ — log sin $0^g\,35^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **30** | **oo** | 7·67 32395 | 33843 | 35290 | 36736 | 38182 | 39627 | 41072 | 42517 | 43961 | 45404 | 46848 | 90 |
| | 10 | 46848 | 48290 | 49732 | 51174 | 52615 | 54056 | 55496 | 56936 | 58375 | 59814 | 61252 | 80 |
| | 20 | 61252 | 62690 | 64127 | 65564 | 67000 | 68436 | 69872 | 71307 | 72741 | 74175 | 75609 | 70 |
| | 30 | 75609 | 77042 | 78474 | 79906 | 81338 | 82769 | 84200 | 85630 | 87060 | 88489 | 89918 | 60 |
| | 40 | 7·67 89918 | 91346 | 92774 | 94202 | 95629 | 97055 | 98481 | 99907 | *01332 | *02756 | *04181 | 50 |
| | 50 | 7·68 04181 | 05604 | 07027 | 08450 | 09872 | 11294 | 12716 | 14136 | 15557 | 16977 | 18396 | 40 |
| | 60 | 18396 | 19815 | 21234 | 22652 | 24070 | 25487 | 26903 | 28320 | 29736 | 31151 | 32566 | 30 |
| | 70 | 32566 | 33980 | 35394 | 36808 | 38221 | 39633 | 41045 | 42457 | 43868 | 45279 | 46689 | 20 |
| | 80 | 46689 | 48099 | 49508 | 50917 | 52325 | 53733 | 55141 | 56548 | 57955 | 59361 | 60767 | 10 |
| | 90 | 60767 | 62172 | 63577 | 64981 | 66385 | 67788 | 69191 | 70594 | 71996 | 73397 | 74799 | **69 oo** |
| **31** | **oo** | 7·68 74799 | 76199 | 77600 | 78999 | 80399 | 81798 | 83196 | 84594 | 85992 | 87389 | 88785 | 90 |
| | 10 | 7·68 88785 | 90182 | 91577 | 92973 | 94368 | 95762 | 97156 | 98549 | 99943 | *01335 | *02727 | 80 |
| | 20 | 7·69 02727 | 04119 | 05510 | 06901 | 08292 | 09682 | 11071 | 12460 | 13849 | 15237 | 16625 | 70 |
| | 30 | 16625 | 18012 | 19399 | 20785 | 22171 | 23557 | 24942 | 26326 | 27711 | 29094 | 30478 | 60 |
| | 40 | 30478 | 31861 | 33243 | 34625 | 36006 | 37388 | 38768 | 40149 | 41528 | 42908 | 44287 | 50 |
| | 50 | 44287 | 45665 | 47043 | 48421 | 49798 | 51175 | 52551 | 53927 | 55302 | 56677 | 58052 | 40 |
| | 60 | 58052 | 59426 | 60800 | 62173 | 63546 | 64918 | 66290 | 67661 | 69033 | 70403 | 71773 | 30 |
| | 70 | 71773 | 73143 | 74513 | 75882 | 77250 | 78618 | 79986 | 81353 | 82720 | 84086 | 85452 | 20 |
| | 80 | 85452 | 86817 | 88182 | 89547 | 90911 | 92275 | 93638 | 95001 | 96364 | 97726 | 99087 | 10 |
| | 90 | 7·69 99087 | *00449 | *01809 | *03170 | *04530 | *05889 | *07248 | *08607 | *09965 | *11323 | *12680 | **68 oo** |
| **32** | **oo** | 7·70 12680 | 14037 | 15394 | 16750 | 18106 | 19461 | 20816 | 22170 | 23524 | 24878 | 26231 | 90 |
| | 10 | 26231 | 27583 | 28936 | 30288 | 31639 | 32990 | 34341 | 35691 | 37041 | 38390 | 39739 | 80 |
| | 20 | 39739 | 41087 | 42436 | 43783 | 45131 | 46477 | 47824 | 49170 | 50515 | 51861 | 53205 | 70 |
| | 30 | 53205 | 54550 | 55894 | 57237 | 58580 | 59923 | 61265 | 62607 | 63948 | 65290 | 66630 | 60 |
| | 40 | 66630 | 67970 | 69310 | 70649 | 71988 | 73327 | 74665 | 76003 | 77340 | 78677 | 80014 | 50 |
| | 50 | 80014 | 81350 | 82685 | 84021 | 85355 | 86690 | 88024 | 89357 | 90691 | 92023 | 93356 | 40 |
| | 60 | 7·70 93356 | 94688 | 96019 | 97350 | 98681 | *00012 | *01342 | *02671 | *04000 | *05329 | *06657 | 30 |
| | 70 | 7·71 06657 | 07985 | 09313 | 10640 | 11966 | 13293 | 14619 | 15944 | 17269 | 18594 | 19918 | 20 |
| | 80 | 19918 | 21242 | 22565 | 23888 | 25211 | 26533 | 27855 | 29177 | 30498 | 31818 | 33138 | 10 |
| | 90 | 33138 | 34458 | 35778 | 37097 | 38415 | 39734 | 41051 | 42369 | 43686 | 45002 | 46319 | **67 oo** |
| **33** | **oo** | 7·71 46319 | 47635 | 48950 | 50265 | 51580 | 52894 | 54208 | 55521 | 56834 | 58147 | 59459 | 90 |
| | 10 | 59459 | 60771 | 62082 | 63394 | 64704 | 66014 | 67324 | 68634 | 69943 | 71252 | 72560 | 80 |
| | 20 | 72560 | 73868 | 75175 | 76482 | 77789 | 79096 | 80401 | 81707 | 83012 | 84317 | 85621 | 70 |
| | 30 | 85621 | 86925 | 88229 | 89532 | 90835 | 92137 | 93439 | 94741 | 96042 | 97343 | 98644 | 60 |
| | 40 | 7·71 98644 | 99944 | *01243 | *02543 | *03841 | *05140 | *06438 | *07736 | *09033 | *10330 | *11627 | 50 |
| | 50 | 7·72 11627 | 12923 | 14219 | 15514 | 16809 | 18104 | 19398 | 20692 | 21986 | 23279 | 24571 | 40 |
| | 60 | 24571 | 25864 | 27156 | 28447 | 29738 | 31029 | 32320 | 33610 | 34899 | 36189 | 37477 | 30 |
| | 70 | 37477 | 38766 | 40054 | 41342 | 42629 | 43916 | 45203 | 46489 | 47775 | 49060 | 50345 | 20 |
| | 80 | 50345 | 51630 | 52914 | 54198 | 55482 | 56765 | 58048 | 59330 | 60612 | 61894 | 63175 | 10 |
| | 90 | 63175 | 64456 | 65737 | 67017 | 68297 | 69576 | 70855 | 72134 | 73412 | 74690 | 75967 | **66 oo** |
| **34** | **oo** | 7·72 75967 | 77244 | 78521 | 79798 | 81074 | 82349 | 83624 | 84899 | 86174 | 87448 | 88722 | 90 |
| | 10 | 7·72 88722 | 89995 | 91268 | 92541 | 93813 | 95085 | 96357 | 97628 | 98898 | *00169 | *01439 | 80 |
| | 20 | 7·73 01439 | 02709 | 03978 | 05247 | 06515 | 07784 | 09051 | 10319 | 11586 | 12853 | 14119 | 70 |
| | 30 | 14119 | 15385 | 16651 | 17916 | 19181 | 20445 | 21709 | 22973 | 24236 | 25499 | 26762 | 60 |
| | 40 | 26762 | 28024 | 29286 | 30548 | 31809 | 33070 | 34330 | 35590 | 36850 | 38109 | 39368 | 50 |
| | 50 | 39368 | 40627 | 41885 | 43143 | 44401 | 45658 | 46915 | 48171 | 49427 | 50683 | 51938 | 40 |
| | 60 | 51938 | 53193 | 54448 | 55702 | 56956 | 58210 | 59463 | 60716 | 61968 | 63220 | 64472 | 30 |
| | 70 | 64472 | 65723 | 66974 | 68225 | 69475 | 70725 | 71975 | 73224 | 74473 | 75721 | 76970 | 20 |
| | 80 | 76970 | 78217 | 79465 | 80712 | 81959 | 83205 | 84451 | 85697 | 86942 | 88187 | 89431 | 10 |
| | 90 | 7·73 89431 | 90675 | 91919 | 93163 | 94406 | 95649 | 96891 | 98133 | 99375 | *00616 | *01857 | **65 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $99^g\,65^c$ — log cos $99^g\,70^c$

## log tg $0^g\,30^c$ — log tg $0^g\,35^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **30** | **oo** | 7·67 32443 | 33891 | 35338 | 36784 | 38230 | 39676 | 41121 | 42565 | 44009 | 45453 | 46896 | 90 |
| | 10 | 46896 | 48339 | 49781 | 51223 | 52664 | 54104 | 55545 | 56984 | 58424 | 59862 | 61301 | 80 |
| | 20 | 61301 | 62739 | 64176 | 65613 | 67049 | 68485 | 69921 | 71356 | 72790 | 74224 | 75658 | 70 |
| | 30 | 75658 | 77091 | 78524 | 79956 | 81387 | 82819 | 84249 | 85680 | 87109 | 88539 | 89968 | 60 |
| | 40 | 7·67 89968 | 91396 | 92824 | 94251 | 95678 | 97105 | 98531 | 99956 | *01382 | *02806 | *04230 | 50 |
| | 50 | 7·68 04230 | 05654 | 07077 | 08500 | 09922 | 11344 | 12766 | 14187 | 15607 | 17027 | 18446 | 40 |
| | 60 | 18446 | 19866 | 21284 | 22702 | 24120 | 25537 | 26954 | 28370 | 29786 | 31201 | 32616 | 30 |
| | 70 | 32616 | 34031 | 35445 | 36858 | 38271 | 39684 | 41096 | 42508 | 43919 | 45330 | 46740 | 20 |
| | 80 | 46740 | 48150 | 49559 | 50968 | 52376 | 53784 | 55192 | 56599 | 58006 | 59412 | 60818 | 10 |
| | 90 | 60818 | 62223 | 63628 | 65032 | 66436 | 67840 | 69243 | 70645 | 72047 | 73449 | 74850 | **69 oo** |
| **31** | **oo** | 7·68 74850 | 76251 | 77651 | 79051 | 80450 | 81849 | 83248 | 84646 | 86043 | 87441 | 88837 | 90 |
| | 10 | 7·68 88837 | 90233 | 91629 | 93025 | 94419 | 95814 | 97208 | 98601 | 99995 | *01387 | *02779 | 80 |
| | 20 | 7·69 02779 | 04171 | 05563 | 06953 | 08344 | 09734 | 11123 | 12513 | 13901 | 15289 | 16677 | 70 |
| | 30 | 16677 | 18064 | 19451 | 20838 | 22224 | 23609 | 24994 | 26379 | 27763 | 29147 | 30530 | 60 |
| | 40 | 30530 | 31913 | 33296 | 34678 | 36059 | 37441 | 38821 | 40202 | 41581 | 42961 | 44340 | 50 |
| | 50 | 44340 | 45718 | 47096 | 48474 | 49851 | 51228 | 52604 | 53980 | 55356 | 56731 | 58105 | 40 |
| | 60 | 58105 | 59479 | 60853 | 62226 | 63599 | 64972 | 66344 | 67715 | 69086 | 70457 | 71827 | 30 |
| | 70 | 71827 | 73197 | 74566 | 75935 | 77304 | 78672 | 80040 | 81407 | 82774 | 84140 | 85506 | 20 |
| | 80 | 85506 | 86872 | 88237 | 89601 | 90966 | 92329 | 93693 | 95056 | 96418 | 97780 | 99142 | 10 |
| | 90 | 7·69 99142 | *00503 | *01864 | *03224 | *04584 | *05944 | *07303 | *08662 | *10020 | *11378 | *12735 | **68 oo** |
| **32** | **oo** | 7·70 12735 | 14092 | 15449 | 16805 | 18161 | 19516 | 20871 | 22225 | 23579 | 24933 | 26286 | 90 |
| | 10 | 26286 | 27639 | 28991 | 30343 | 31694 | 33045 | 34396 | 35746 | 37096 | 38446 | 39795 | 80 |
| | 20 | 39795 | 41143 | 42491 | 43839 | 45186 | 46533 | 47880 | 49226 | 50571 | 51916 | 53261 | 70 |
| | 30 | 53261 | 54606 | 55950 | 57293 | 58636 | 59979 | 61321 | 62663 | 64005 | 65346 | 66686 | 60 |
| | 40 | 66686 | 68027 | 69366 | 70706 | 72045 | 73383 | 74722 | 76059 | 77397 | 78734 | 80070 | 50 |
| | 50 | 80070 | 81406 | 82742 | 84077 | 85412 | 86747 | 88081 | 89414 | 90747 | 92080 | 93413 | 40 |
| | 60 | 7·70 93413 | 94745 | 96076 | 97408 | 98738 | *00069 | *01399 | *02728 | *04057 | *05386 | *06714 | 30 |
| | 70 | 7·71 06714 | 08042 | 09370 | 10697 | 12024 | 13350 | 14676 | 16002 | 17327 | 18651 | 19976 | 20 |
| | 80 | 19976 | 21300 | 22623 | 23946 | 25269 | 26591 | 27913 | 29234 | 30555 | 31876 | 33196 | 10 |
| | 90 | 33196 | 34516 | 35836 | 37155 | 38473 | 39792 | 41110 | 42427 | 43744 | 45061 | 46377 | **67 oo** |
| **33** | **oo** | 7·71 46377 | 47693 | 49008 | 50323 | 51638 | 52952 | 54266 | 55580 | 56893 | 58206 | 59518 | 90 |
| | 10 | 59518 | 60830 | 62141 | 63452 | 64763 | 66073 | 67383 | 68693 | 70002 | 71311 | 72619 | 80 |
| | 20 | 72619 | 73927 | 75234 | 76542 | 77848 | 79155 | 80461 | 81766 | 83072 | 84376 | 85681 | 70 |
| | 30 | 85681 | 86985 | 88288 | 89592 | 90894 | 92197 | 93499 | 94801 | 96102 | 97403 | 98703 | 60 |
| | 40 | 7·71 98703 | *00003 | *01303 | *02602 | *03901 | *05200 | *06498 | *07796 | *09093 | *10390 | *11687 | 50 |
| | 50 | 7·72 11687 | 12983 | 14279 | 15574 | 16870 | 18164 | 19459 | 20752 | 22046 | 23339 | 24632 | 40 |
| | 60 | 24632 | 25924 | 27216 | 28508 | 29799 | 31090 | 32380 | 33670 | 34960 | 36249 | 37538 | 30 |
| | 70 | 37538 | 38827 | 40115 | 41403 | 42690 | 43977 | 45264 | 46550 | 47836 | 49121 | 50407 | 20 |
| | 80 | 50407 | 51691 | 52976 | 54260 | 55543 | 56826 | 58109 | 59392 | 60674 | 61955 | 63237 | 10 |
| | 90 | 63237 | 64518 | 65798 | 67078 | 68358 | 69638 | 70917 | 72195 | 73474 | 74752 | 76029 | **66 oo** |
| **34** | **oo** | 7·72 76029 | 77306 | 78583 | 79860 | 81136 | 82411 | 83687 | 84962 | 86236 | 87510 | 88784 | 90 |
| | 10 | 7·72 88784 | 90058 | 91331 | 92603 | 93876 | 95148 | 96419 | 97690 | 98961 | *00232 | *01502 | 80 |
| | 20 | 7·73 01502 | 02771 | 04041 | 05310 | 06578 | 07846 | 09114 | 10382 | 11649 | 12916 | 14182 | 70 |
| | 30 | 14182 | 15448 | 16714 | 17979 | 19244 | 20508 | 21772 | 23036 | 24300 | 25563 | 26825 | 60 |
| | 40 | 26825 | 28088 | 29350 | 30611 | 31873 | 33133 | 34394 | 35654 | 36914 | 38173 | 39432 | 50 |
| | 50 | 39432 | 40691 | 41949 | 43207 | 44465 | 45722 | 46979 | 48235 | 49491 | 50747 | 52003 | 40 |
| | 60 | 52003 | 53258 | 54512 | 55767 | 57020 | 58274 | 59527 | 60780 | 62033 | 63285 | 64537 | 30 |
| | 70 | 64537 | 65788 | 67039 | 68290 | 69540 | 70790 | 72040 | 73289 | 74538 | 75786 | 77034 | 20 |
| | 80 | 77034 | 78282 | 79530 | 80777 | 82024 | 83270 | 84516 | 85762 | 87007 | 88252 | 89497 | 10 |
| | 90 | 7·73 89497 | 90741 | 91985 | 93228 | 94471 | 95714 | 96957 | 98199 | 99441 | *00682 | *01923 | **65 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $99^g\,65^c$ — log ctg $99^g\,70^c$

## log sin $0^g\,35^c$ — log sin $0^g\,40^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **35** | **oo** | 7·74 01857 | 03098 | 04338 | 05578 | 06818 | 08057 | 09296 | 10534 | 11773 | 13010 | 14248 | 90 |
| | 10 | 14248 | 15485 | 16722 | 17958 | 19194 | 20430 | 21665 | 22900 | 24135 | 25369 | 26603 | 80 |
| | 20 | 26603 | 27837 | 29070 | 30303 | 31536 | 32768 | 34000 | 35231 | 36462 | 37693 | 38924 | 70 |
| | 30 | 38924 | 40154 | 41383 | 42613 | 43842 | 45071 | 46299 | 47527 | 48755 | 49982 | 51209 | 60 |
| | 40 | 51209 | 52436 | 53662 | 54888 | 56113 | 57339 | 58564 | 59788 | 61012 | 62236 | 63460 | 50 |
| | 50 | 63460 | 64683 | 65906 | 67128 | 68350 | 69572 | 70794 | 72015 | 73236 | 74456 | 75676 | 40 |
| | 60 | 75676 | 76896 | 78115 | 79334 | 80553 | 81771 | 82989 | 84207 | 85424 | 86642 | 87858 | 30 |
| | 70 | 7·74 87858 | 89074 | 90290 | 91506 | 92721 | 93936 | 95151 | 96365 | 97579 | 98793 | *00006 | 20 |
| | 80 | 7·75 00006 | 01219 | 02432 | 03644 | 04856 | 06067 | 07279 | 08490 | 09700 | 10910 | 12120 | 10 |
| | 90 | 12120 | 13330 | 14539 | 15748 | 16956 | 18165 | 19373 | 20580 | 21787 | 22994 | 24201 | **64 oo** |
| **36** | **oo** | 7·75 24201 | 25407 | 26613 | 27818 | 29023 | 30228 | 31433 | 32637 | 33841 | 35044 | 36248 | 90 |
| | 10 | 36248 | 37450 | 38653 | 39855 | 41057 | 42258 | 43460 | 44660 | 45861 | 47061 | 48261 | 80 |
| | 20 | 48261 | 49461 | 50660 | 51859 | 53057 | 54255 | 55453 | 56651 | 57848 | 59045 | 60241 | 70 |
| | 30 | 60241 | 61438 | 62634 | 63829 | 65024 | 66219 | 67414 | 68608 | 69802 | 70996 | 72189 | 60 |
| | 40 | 72189 | 73382 | 74574 | 75767 | 76959 | 78150 | 79342 | 80533 | 81723 | 82914 | 84104 | 50 |
| | 50 | 84104 | 85293 | 86483 | 87672 | 88860 | 90049 | 91237 | 92424 | 93612 | 94799 | 95986 | 40 |
| | 60 | 7·75 95986 | 97172 | 98358 | 99544 | *00729 | *01915 | *03099 | *04284 | *05468 | *06652 | *07835 | 30 |
| | 70 | 7·76 07835 | 09019 | 10201 | 11384 | 12566 | 13748 | 14930 | 16111 | 17292 | 18472 | 19653 | 20 |
| | 80 | 19653 | 20833 | 22012 | 23192 | 24371 | 25549 | 26728 | 27906 | 29084 | 30261 | 31438 | 10 |
| | 90 | 31438 | 32615 | 33791 | 34967 | 36143 | 37319 | 38494 | 39669 | 40843 | 42018 | 43192 | **63 oo** |
| **37** | **oo** | 7·76 43192 | 44365 | 45538 | 46711 | 47884 | 49056 | 50228 | 51400 | 52571 | 53743 | 54913 | 90 |
| | 10 | 54913 | 56084 | 57254 | 58424 | 59593 | 60762 | 61931 | 63100 | 64268 | 65436 | 66603 | 80 |
| | 20 | 66603 | 67771 | 68938 | 70104 | 71271 | 72437 | 73602 | 74768 | 75933 | 77098 | 78262 | 70 |
| | 30 | 78262 | 79426 | 80590 | 81754 | 82917 | 84080 | 85243 | 86405 | 87567 | 88728 | 89890 | 60 |
| | 40 | 7·76 89890 | 91051 | 92212 | 93372 | 94532 | 95692 | 96851 | 98011 | 99170 | *00328 | *01486 | 50 |
| | 50 | 7·77 01486 | 02644 | 03802 | 04959 | 06116 | 07273 | 08429 | 09586 | 10741 | 11897 | 13052 | 40 |
| | 60 | 13052 | 14207 | 15361 | 16516 | 17670 | 18823 | 19977 | 21130 | 22282 | 23435 | 24587 | 30 |
| | 70 | 24587 | 25739 | 26890 | 28041 | 29192 | 30343 | 31493 | 32643 | 33793 | 34942 | 36091 | 20 |
| | 80 | 36091 | 37240 | 38388 | 39537 | 40684 | 41832 | 42979 | 44126 | 45273 | 46419 | 47565 | 10 |
| | 90 | 47565 | 48711 | 49856 | 51002 | 52146 | 53291 | 54435 | 55579 | 56723 | 57866 | 59009 | **62 oo** |
| **38** | **oo** | 7·77 59009 | 60152 | 61294 | 62436 | 63578 | 64720 | 65861 | 67002 | 68142 | 69283 | 70423 | 90 |
| | 10 | 70423 | 71562 | 72702 | 73841 | 74980 | 76118 | 77256 | 78394 | 79532 | 80669 | 81806 | 80 |
| | 20 | 81806 | 82943 | 84080 | 85216 | 86351 | 87487 | 88622 | 89757 | 90892 | 92026 | 93160 | 70 |
| | 30 | 7·77 93160 | 94294 | 95428 | 96561 | 97694 | 98826 | 99958 | *01090 | *02222 | *03354 | *04485 | 60 |
| | 40 | 7·78 04485 | 05615 | 06746 | 07876 | 09006 | 10136 | 11265 | 12394 | 13523 | 14651 | 15780 | 50 |
| | 50 | 15780 | 16907 | 18035 | 19162 | 20289 | 21416 | 22542 | 23669 | 24794 | 25920 | 27045 | 40 |
| | 60 | 27045 | 28170 | 29295 | 30419 | 31543 | 32667 | 33791 | 34914 | 36037 | 37159 | 38282 | 30 |
| | 70 | 38282 | 39404 | 40525 | 41647 | 42768 | 43889 | 45010 | 46130 | 47250 | 48370 | 49489 | 20 |
| | 80 | 49489 | 50608 | 51727 | 52846 | 53964 | 55082 | 56200 | 57317 | 58434 | 59551 | 60668 | 10 |
| | 90 | 60668 | 61784 | 62900 | 64016 | 65131 | 66246 | 67361 | 68476 | 69590 | 70704 | 71818 | **61 oo** |
| **39** | **oo** | 7·78 71818 | 72931 | 74044 | 75157 | 76270 | 77382 | 78494 | 79606 | 80717 | 81828 | 82939 | 90 |
| | 10 | 82939 | 84050 | 85160 | 86270 | 87380 | 88489 | 89598 | 90707 | 91816 | 92924 | 94032 | 80 |
| | 20 | 7·78 94032 | 95140 | 96247 | 97354 | 98461 | 99568 | *00674 | *01780 | *02886 | *03991 | *05097 | 70 |
| | 30 | 7·79 05097 | 06202 | 07306 | 08411 | 09515 | 10618 | 11722 | 12825 | 13928 | 15031 | 16133 | 60 |
| | 40 | 16133 | 17235 | 18337 | 19439 | 20540 | 21641 | 22742 | 23842 | 24942 | 26042 | 27142 | 50 |
| | 50 | 27142 | 28241 | 29340 | 30439 | 31537 | 32636 | 33734 | 34831 | 35929 | 37026 | 38123 | 40 |
| | 60 | 38123 | 39219 | 40315 | 41411 | 42507 | 43603 | 44698 | 45793 | 46887 | 47982 | 49076 | 30 |
| | 70 | 49076 | 50169 | 51263 | 52356 | 53449 | 54542 | 55634 | 56726 | 57818 | 58910 | 60001 | 20 |
| | 80 | 60001 | 61092 | 62183 | 63274 | 64364 | 65454 | 66543 | 67633 | 68722 | 69811 | 70899 | 10 |
| | 90 | 7·79 70899 | 71988 | 73076 | 74163 | 75251 | 76338 | 77425 | 78512 | 79598 | 80684 | 81770 | **60 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $99^g\,60^c$ — log cos $99^g\,65^c$

## log tg $0^g\,35^c$ — log tg $0^g\,40^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **35** | **oo** | 7·74 01923 | 03164 | 04404 | 05644 | 06884 | 08123 | 09362 | 10600 | 11839 | 13076 | 14314 | 90 |
| | 10 | 14314 | 15551 | 16788 | 18024 | 19260 | 20496 | 21732 | 22967 | 24201 | 25436 | 26670 | 80 |
| | 20 | 26670 | 27903 | 29137 | 30370 | 31602 | 32834 | 34066 | 35298 | 36529 | 37760 | 38990 | 70 |
| | 30 | 38990 | 40220 | 41450 | 42680 | 43909 | 45138 | 46366 | 47594 | 48822 | 50049 | 51276 | 60 |
| | 40 | 51276 | 52503 | 53729 | 54955 | 56181 | 57406 | 58631 | 59856 | 61080 | 62304 | 63527 | 50 |
| | 50 | 63527 | 64751 | 65973 | 67196 | 68418 | 69640 | 70861 | 72083 | 73303 | 74524 | 75744 | 40 |
| | 60 | 75744 | 76964 | 78183 | 79402 | 80621 | 81840 | 83058 | 84275 | 85493 | 86710 | 87926 | 30 |
| | 70 | 7·74 87926 | 89143 | 90359 | 91575 | 92790 | 94005 | 95220 | 96434 | 97648 | 98862 | *00075 | 20 |
| | 80 | 7·75 00075 | 01288 | 02500 | 03713 | 04925 | 06136 | 07348 | 08558 | 09769 | 10979 | 12189 | 10 |
| | 90 | 12189 | 13399 | 14608 | 15817 | 17026 | 18234 | 19442 | 20649 | 21857 | 23064 | 24270 | **64 oo** |
| **36** | **oo** | 7·75 24270 | 25476 | 26682 | 27888 | 29093 | 30298 | 31502 | 32707 | 33911 | 35114 | 36317 | 90 |
| | 10 | 36317 | 37520 | 38723 | 39925 | 41127 | 42328 | 43530 | 44731 | 45931 | 47131 | 48331 | 80 |
| | 20 | 48331 | 49531 | 50730 | 51929 | 53128 | 54326 | 55524 | 56721 | 57919 | 59115 | 60312 | 70 |
| | 30 | 60312 | 61508 | 62704 | 63900 | 65095 | 66290 | 67485 | 68679 | 69873 | 71067 | 72260 | 60 |
| | 40 | 72260 | 73453 | 74646 | 75838 | 77030 | 78222 | 79413 | 80604 | 81795 | 82985 | 84175 | 50 |
| | 50 | 84175 | 85365 | 86554 | 87743 | 88932 | 90120 | 91308 | 92496 | 93684 | 94871 | 96057 | 40 |
| | 60 | 7·75 96057 | 97244 | 98430 | 99616 | *00801 | *01987 | *03171 | *04356 | *05540 | *06724 | *07908 | 30 |
| | 70 | 7·76 07908 | 09091 | 10274 | 11456 | 12639 | 13820 | 15002 | 16183 | 17364 | 18545 | 19725 | 20 |
| | 80 | 19725 | 20905 | 22085 | 23264 | 24443 | 25622 | 26801 | 27979 | 29156 | 30334 | 31511 | 10 |
| | 90 | 31511 | 32688 | 33864 | 35041 | 36216 | 37392 | 38567 | 39742 | 40917 | 42091 | 43265 | **63 oo** |
| **37** | **oo** | 7·76 43265 | 44439 | 45612 | 46785 | 47958 | 49130 | 50302 | 51474 | 52645 | 53816 | 54987 | 90 |
| | 10 | 54987 | 56158 | 57328 | 58498 | 59667 | 60836 | 62005 | 63174 | 64342 | 65510 | 66678 | 80 |
| | 20 | 66678 | 67845 | 69012 | 70179 | 71345 | 72511 | 73677 | 74842 | 76007 | 77172 | 78337 | 70 |
| | 30 | 78337 | 79501 | 80665 | 81828 | 82992 | 84155 | 85317 | 86480 | 87642 | 88803 | 89965 | 60 |
| | 40 | 7·76 89965 | 91126 | 92287 | 93447 | 94607 | 95767 | 96927 | 98086 | 99245 | *00403 | *01562 | 50 |
| | 50 | 7·77 01562 | 02720 | 03877 | 05035 | 06192 | 07349 | 08505 | 09661 | 10817 | 11972 | 13128 | 40 |
| | 60 | 13128 | 14283 | 15437 | 16592 | 17746 | 18899 | 20053 | 21206 | 22358 | 23511 | 24663 | 30 |
| | 70 | 24663 | 25815 | 26966 | 28118 | 29269 | 30419 | 31570 | 32720 | 33869 | 35019 | 36168 | 20 |
| | 80 | 36168 | 37317 | 38465 | 39613 | 40761 | 41909 | 43056 | 44203 | 45350 | 46496 | 47642 | 10 |
| | 90 | 47642 | 48788 | 49933 | 51079 | 52223 | 53368 | 54512 | 55656 | 56800 | 57943 | 59086 | **62 oo** |
| **38** | **oo** | 7·77 59086 | 60229 | 61372 | 62514 | 63656 | 64797 | 65938 | 67079 | 68220 | 69360 | 70500 | 90 |
| | 10 | 70500 | 71640 | 72780 | 73919 | 75058 | 76196 | 77334 | 78472 | 79610 | 80747 | 81885 | 80 |
| | 20 | 81885 | 83021 | 84158 | 85294 | 86430 | 87565 | 88701 | 89836 | 90970 | 92105 | 93239 | 70 |
| | 30 | 7·77 93239 | 94373 | 95506 | 96639 | 97772 | 98905 | *00037 | *01169 | *02301 | *03433 | *04564 | 60 |
| | 40 | 7·78 04564 | 05695 | 06825 | 07955 | 09085 | 10215 | 11344 | 12473 | 13602 | 14731 | 15859 | 50 |
| | 50 | 15859 | 16987 | 18115 | 19242 | 20369 | 21496 | 22622 | 23748 | 24874 | 26000 | 27125 | 40 |
| | 60 | 27125 | 28250 | 29375 | 30499 | 31623 | 32747 | 33871 | 34994 | 36117 | 37240 | 38362 | 30 |
| | 70 | 38362 | 39484 | 40606 | 41727 | 42849 | 43969 | 45090 | 46210 | 47331 | 48450 | 49570 | 20 |
| | 80 | 49570 | 50689 | 51808 | 52927 | 54045 | 55163 | 56281 | 57398 | 58515 | 59632 | 60749 | 10 |
| | 90 | 60749 | 61865 | 62981 | 64097 | 65212 | 66328 | 67442 | 68557 | 69671 | 70785 | 71899 | **61 oo** |
| **39** | **oo** | 7·78 71899 | 73013 | 74126 | 75239 | 76351 | 77464 | 78576 | 79687 | 80799 | 81910 | 83021 | 90 |
| | 10 | 83021 | 84132 | 85242 | 86352 | 87462 | 88571 | 89680 | 90789 | 91898 | 93006 | 94114 | 80 |
| | 20 | 7·78 94114 | 95222 | 96330 | 97437 | 98544 | 99650 | *00757 | *01863 | *02969 | *04074 | *05179 | 70 |
| | 30 | 7·79 05179 | 06284 | 07389 | 08493 | 09598 | 10701 | 11805 | 12908 | 14011 | 15114 | 16216 | 60 |
| | 40 | 16216 | 17319 | 18420 | 19522 | 20623 | 21724 | 22825 | 23926 | 25026 | 26126 | 27225 | 50 |
| | 50 | 27225 | 28325 | 29424 | 30523 | 31621 | 32720 | 33818 | 34915 | 36013 | 37110 | 38207 | 40 |
| | 60 | 38207 | 39303 | 40400 | 41496 | 42591 | 43687 | 44782 | 45877 | 46972 | 48066 | 49160 | 30 |
| | 70 | 49160 | 50254 | 51348 | 52441 | 53534 | 54627 | 55719 | 56811 | 57903 | 58995 | 60086 | 20 |
| | 80 | 60086 | 61177 | 62268 | 63359 | 64449 | 65539 | 66628 | 67718 | 68807 | 69896 | 70985 | 10 |
| | 90 | 7·79 70985 | 72073 | 73161 | 74249 | 75336 | 76424 | 77511 | 78597 | 79684 | 80770 | 81856 | **60 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $99^g\,60^c$ — log ctg $99^g\,65^c$

## log sin $0^g\,40^c$ — log sin $0^g\,45^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **40** | **oo** | 7·79 81770 | 82856 | 83941 | 85026 | 86111 | 87195 | 88280 | 89364 | 90447 | 91531 | 92614 | 90 |
| | 10 | 7·79 92614 | 93697 | 94779 | 95862 | 96944 | 98025 | 99107 | *00188 | *01269 | *02350 | *03430 | 80 |
| | 20 | 7·80 03430 | 04511 | 05591 | 06670 | 07750 | 08829 | 09908 | 10986 | 12064 | 13142 | 14220 | 70 |
| | 30 | 14220 | 15298 | 16375 | 17452 | 18529 | 19605 | 20681 | 21757 | 22833 | 23908 | 24983 | 60 |
| | 40 | 24983 | 26058 | 27133 | 28207 | 29281 | 30355 | 31428 | 32502 | 33575 | 34647 | 35720 | 50 |
| | 50 | 35720 | 36792 | 37864 | 38935 | 40007 | 41078 | 42149 | 43219 | 44290 | 45360 | 46430 | 40 |
| | 60 | 46430 | 47499 | 48568 | 49638 | 50706 | 51775 | 52843 | 53911 | 54979 | 56046 | 57113 | 30 |
| | 70 | 57113 | 58180 | 59247 | 60313 | 61379 | 62445 | 63511 | 64576 | 65641 | 66706 | 67771 | 20 |
| | 80 | 67771 | 68835 | 69899 | 70963 | 72026 | 73090 | 74153 | 75215 | 76278 | 77340 | 78402 | 10 |
| | 90 | 78402 | 79464 | 80525 | 81586 | 82647 | 83708 | 84768 | 85828 | 86888 | 87948 | 89007 | **59 oo** |
| **41** | **oo** | 7·80 89007 | 90066 | 91125 | 92184 | 93242 | 94300 | 95358 | 96416 | 97473 | 98530 | 99587 | 90 |
| | 10 | 7·80 99587 | *00643 | *01700 | *02756 | *03811 | *04867 | *05922 | *06977 | *08032 | *09086 | *10141 | 80 |
| | 20 | 7·81 10141 | 11195 | 12248 | 13302 | 14355 | 15408 | 16461 | 17513 | 18565 | 19617 | 20669 | 70 |
| | 30 | 20669 | 21720 | 22771 | 23822 | 24873 | 25923 | 26974 | 28023 | 29073 | 30122 | 31172 | 60 |
| | 40 | 31172 | 32220 | 33269 | 34317 | 35366 | 36413 | 37461 | 38508 | 39556 | 40602 | 41649 | 50 |
| | 50 | 41649 | 42695 | 43741 | 44787 | 45833 | 46878 | 47923 | 48968 | 50013 | 51057 | 52101 | 40 |
| | 60 | 52101 | 53145 | 54189 | 55232 | 56275 | 57318 | 58360 | 59403 | 60445 | 61487 | 62528 | 30 |
| | 70 | 62528 | 63570 | 64611 | 65652 | 66692 | 67732 | 68773 | 69812 | 70852 | 71891 | 72930 | 20 |
| | 80 | 72930 | 73969 | 75008 | 76046 | 77084 | 78122 | 79160 | 80197 | 81234 | 82271 | 83308 | 10 |
| | 90 | 83308 | 84344 | 85380 | 86416 | 87452 | 88487 | 89522 | 90557 | 91592 | 92626 | 93660 | **58 oo** |
| **42** | **oo** | 7·81 93660 | 94694 | 95728 | 96761 | 97794 | 98827 | 99860 | *00892 | *01924 | *02956 | *03988 | 90 |
| | 10 | 7·82 03988 | 05020 | 06051 | 07082 | 08112 | 09143 | 10173 | 11203 | 12233 | 13262 | 14291 | 80 |
| | 20 | 14291 | 15320 | 16349 | 17378 | 18406 | 19434 | 20462 | 21489 | 22517 | 23544 | 24570 | 70 |
| | 30 | 24570 | 25597 | 26623 | 27649 | 28675 | 29701 | 30726 | 31751 | 32776 | 33801 | 34825 | 60 |
| | 40 | 34825 | 35849 | 36873 | 37897 | 38920 | 39944 | 40966 | 41989 | 43012 | 44034 | 45056 | 50 |
| | 50 | 45056 | 46078 | 47099 | 48120 | 49141 | 50162 | 51183 | 52203 | 53223 | 54243 | 55262 | 40 |
| | 60 | 55262 | 56282 | 57301 | 58320 | 59338 | 60357 | 61375 | 62393 | 63410 | 64428 | 65445 | 30 |
| | 70 | 65445 | 66462 | 67479 | 68495 | 69511 | 70527 | 71543 | 72559 | 73574 | 74589 | 75604 | 20 |
| | 80 | 75604 | 76618 | 77633 | 78647 | 79661 | 80674 | 81688 | 82701 | 83714 | 84726 | 85739 | 10 |
| | 90 | 85739 | 86751 | 87763 | 88775 | 89786 | 90798 | 91809 | 92819 | 93830 | 94840 | 95850 | **57 oo** |
| **43** | **oo** | 7·82 95850 | 96860 | 97870 | 98879 | 99888 | *00897 | *01906 | *02914 | *03923 | *04931 | *05938 | 90 |
| | 10 | 7·83 05938 | 06946 | 07953 | 08960 | 09967 | 10974 | 11980 | 12986 | 13992 | 14997 | 16003 | 80 |
| | 20 | 16003 | 17008 | 18013 | 19018 | 20022 | 21026 | 22030 | 23034 | 24038 | 25041 | 26044 | 70 |
| | 30 | 26044 | 27047 | 28050 | 29052 | 30054 | 31056 | 32058 | 33059 | 34061 | 35062 | 36062 | 60 |
| | 40 | 36062 | 37063 | 38063 | 39063 | 40063 | 41063 | 42062 | 43061 | 44060 | 45059 | 46058 | 50 |
| | 50 | 46058 | 47056 | 48054 | 49052 | 50049 | 51046 | 52044 | 53040 | 54037 | 55034 | 56030 | 40 |
| | 60 | 56030 | 57026 | 58021 | 59017 | 60012 | 61007 | 62002 | 62997 | 63991 | 64985 | 65979 | 30 |
| | 70 | 65979 | 66973 | 67966 | 68959 | 69952 | 70945 | 71938 | 72930 | 73922 | 74914 | 75906 | 20 |
| | 80 | 75906 | 76897 | 77888 | 78879 | 79870 | 80860 | 81851 | 82841 | 83831 | 84820 | 85810 | 10 |
| | 90 | 85810 | 86799 | 87788 | 88776 | 89765 | 90753 | 91741 | 92729 | 93716 | 94704 | 95691 | **56 oo** |
| **44** | **oo** | 7·83 95691 | 96678 | 97665 | 98651 | 99637 | *00623 | *01609 | *02595 | *03580 | *04565 | *05550 | 90 |
| | 10 | 7·84 05550 | 06535 | 07519 | 08503 | 09487 | 10471 | 11455 | 12438 | 13421 | 14404 | 15387 | 80 |
| | 20 | 15387 | 16369 | 17351 | 18333 | 19315 | 20297 | 21278 | 22259 | 23240 | 24221 | 25201 | 70 |
| | 30 | 25201 | 26181 | 27161 | 28141 | 29121 | 30100 | 31079 | 32058 | 33037 | 34015 | 34993 | 60 |
| | 40 | 34993 | 35971 | 36949 | 37927 | 38904 | 39881 | 40858 | 41835 | 42811 | 43787 | 44764 | 50 |
| | 50 | 44764 | 45739 | 46715 | 47690 | 48665 | 49640 | 50615 | 51590 | 52564 | 53538 | 54512 | 40 |
| | 60 | 54512 | 55485 | 56459 | 57432 | 58405 | 59378 | 60350 | 61323 | 62295 | 63267 | 64238 | 30 |
| | 70 | 64238 | 65210 | 66181 | 67152 | 68123 | 69093 | 70064 | 71034 | 72004 | 72974 | 73943 | 20 |
| | 80 | 73943 | 74912 | 75881 | 76850 | 77819 | 78787 | 79756 | 80724 | 81691 | 82659 | 83626 | 10 |
| | 90 | 7·84 83626 | 84593 | 85560 | 86527 | 87493 | 88460 | 89426 | 90392 | 91357 | 92323 | 93288 | **55 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $99^g\,55^c$ — log cos $99^g\,60^c$

## log tg $0^g\,40^c$ — log tg $0^g\,45^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **40** | **oo** | 7·79 81856 | 82941 | 84027 | 85112 | 86197 | 87281 | 88366 | 89450 | 90533 | 91617 | 92700 | | 90 |
| | 10 | 7·79 92700 | 93783 | 94866 | 95948 | 97030 | 98112 | 99193 | *00275 | *01356 | *02437 | *03517 | | 80 |
| | 20 | 7·80 03517 | 04597 | 05677 | 06757 | 07836 | 08915 | 09994 | 11073 | 12151 | 13229 | 14307 | | 70 |
| | 30 | 14307 | 15385 | 16462 | 17539 | 18616 | 19692 | 20769 | 21844 | 22920 | 23996 | 25071 | | 60 |
| | 40 | 25071 | 26146 | 27220 | 28295 | 29369 | 30442 | 31516 | 32589 | 33662 | 34735 | 35808 | | 50 |
| | 50 | 35808 | 36880 | 37952 | 39023 | 40095 | 41166 | 42237 | 43308 | 44378 | 45448 | 46518 | | 40 |
| | 60 | 46518 | 47588 | 48657 | 49726 | 50795 | 51863 | 52932 | 54000 | 55067 | 56135 | 57202 | | 30 |
| | 70 | 57202 | 58269 | 59336 | 60402 | 61468 | 62534 | 63600 | 64665 | 65730 | 66795 | 67860 | | 20 |
| | 80 | 67860 | 68924 | 69988 | 71052 | 72116 | 73179 | 74242 | 75305 | 76367 | 77430 | 78492 | | 10 |
| | 90 | 78492 | 79553 | 80615 | 81676 | 82737 | 83798 | 84858 | 85918 | 86978 | 88038 | 89097 | **59** | **oo** |
| **41** | **oo** | 7·80 89097 | 90157 | 91215 | 92274 | 93332 | 94391 | 95448 | 96506 | 97563 | 98620 | 99677 | | 90 |
| | 10 | 7·80 99677 | *00734 | *01790 | *02846 | *03902 | *04958 | *06013 | *07068 | *08123 | *09177 | *10232 | | 80 |
| | 20 | 7·81 10232 | 11286 | 12339 | 13393 | 14446 | 15499 | 16552 | 17604 | 18657 | 19708 | 20760 | | 70 |
| | 30 | 20760 | 21812 | 22863 | 23914 | 24965 | 26015 | 27065 | 28115 | 29165 | 30214 | 31263 | | 60 |
| | 40 | 31263 | 32312 | 33361 | 34409 | 35458 | 36505 | 37553 | 38601 | 39648 | 40695 | 41741 | | 50 |
| | 50 | 41741 | 42788 | 43834 | 44880 | 45925 | 46971 | 48016 | 49061 | 50105 | 51150 | 52194 | | 40 |
| | 60 | 52194 | 53238 | 54281 | 55325 | 56368 | 57411 | 58453 | 59496 | 60538 | 61580 | 62621 | | 30 |
| | 70 | 62621 | 63663 | 64704 | 65745 | 66785 | 67826 | 68866 | 69906 | 70945 | 71985 | 73024 | | 20 |
| | 80 | 73024 | 74063 | 75102 | 76140 | 77178 | 78216 | 79254 | 80291 | 81328 | 82365 | 83402 | | 10 |
| | 90 | 83402 | 84438 | 85474 | 86510 | 87546 | 88581 | 89616 | 90651 | 91686 | 92720 | 93755 | **58** | **oo** |
| **42** | **oo** | 7·81 93755 | 94789 | 95822 | 96856 | 97889 | 98922 | 99955 | *00987 | *02019 | *03051 | *04083 | | 90 |
| | 10 | 7·82 04083 | 05115 | 06146 | 07177 | 08208 | 09238 | 10268 | 11298 | 12328 | 13358 | 14387 | | 80 |
| | 20 | 14387 | 15416 | 16445 | 17473 | 18502 | 19530 | 20557 | 21585 | 22612 | 23640 | 24666 | | 70 |
| | 30 | 24666 | 25693 | 26719 | 27745 | 28771 | 29797 | 30822 | 31848 | 32872 | 33897 | 34922 | | 60 |
| | 40 | 34922 | 35946 | 36970 | 37993 | 39017 | 40040 | 41063 | 42086 | 43108 | 44131 | 45153 | | 50 |
| | 50 | 45153 | 46174 | 47196 | 48217 | 49238 | 50259 | 51280 | 52300 | 53320 | 54340 | 55360 | | 40 |
| | 60 | 55360 | 56379 | 57398 | 58417 | 59436 | 60454 | 61472 | 62490 | 63508 | 64525 | 65543 | | 30 |
| | 70 | 65543 | 66560 | 67576 | 68593 | 69609 | 70625 | 71641 | 72657 | 73672 | 74687 | 75702 | | 20 |
| | 80 | 75702 | 76717 | 77731 | 78745 | 79759 | 80773 | 81786 | 82799 | 83812 | 84825 | 85837 | | 10 |
| | 90 | 85837 | 86850 | 87862 | 88873 | 89885 | 90896 | 91907 | 92918 | 93929 | 94939 | 95949 | **57** | **oo** |
| **43** | **oo** | 7·82 95949 | 96959 | 97969 | 98978 | 99988 | *00997 | *02005 | *03014 | *04022 | *05030 | *06038 | | 90 |
| | 10 | 7·83 06038 | 07045 | 08053 | 09060 | 10067 | 11073 | 12080 | 13086 | 14092 | 15097 | 16103 | | 80 |
| | 20 | 16103 | 17108 | 18113 | 19118 | 20122 | 21127 | 22131 | 23135 | 24138 | 25142 | 26145 | | 70 |
| | 30 | 26145 | 27148 | 28150 | 29153 | 30155 | 31157 | 32159 | 33160 | 34161 | 35163 | 36163 | | 60 |
| | 40 | 36163 | 37164 | 38164 | 39164 | 40164 | 41164 | 42163 | 43163 | 44162 | 45160 | 46159 | | 50 |
| | 50 | 46159 | 47157 | 48155 | 49153 | 50151 | 51148 | 52145 | 53142 | 54139 | 55135 | 56132 | | 40 |
| | 60 | 56132 | 57128 | 58123 | 59119 | 60114 | 61109 | 62104 | 63099 | 64093 | 65087 | 66081 | | 30 |
| | 70 | 66081 | 67075 | 68069 | 69062 | 70055 | 71048 | 72040 | 73033 | 74025 | 75017 | 76008 | | 20 |
| | 80 | 76008 | 77000 | 77991 | 78982 | 79973 | 80963 | 81954 | 82944 | 83934 | 84923 | 85913 | | 10 |
| | 90 | 85913 | 86902 | 87891 | 88880 | 89868 | 90857 | 91845 | 92832 | 93820 | 94808 | 95795 | **56** | **oo** |
| **44** | **oo** | 7·83 95795 | 96782 | 97768 | 98755 | 99741 | *00727 | *01713 | *02699 | *03684 | *04669 | *05654 | | 90 |
| | 10 | 7·84 05654 | 06639 | 07623 | 08608 | 09592 | 10575 | 11559 | 12542 | 13526 | 14509 | 15491 | | 80 |
| | 20 | 15491 | 16474 | 17456 | 18438 | 19420 | 20401 | 21383 | 22364 | 23345 | 24326 | 25306 | | 70 |
| | 30 | 25306 | 26286 | 27266 | 28246 | 29226 | 30205 | 31184 | 32163 | 33142 | 34121 | 35099 | | 60 |
| | 40 | 35099 | 36077 | 37055 | 38032 | 39010 | 39987 | 40964 | 41941 | 42917 | 43894 | 44870 | | 50 |
| | 50 | 44870 | 45845 | 46821 | 47797 | 48772 | 49747 | 50722 | 51696 | 52670 | 53645 | 54618 | | 40 |
| | 60 | 54618 | 55592 | 56566 | 57539 | 58512 | 59485 | 60457 | 61430 | 62402 | 63374 | 64345 | | 30 |
| | 70 | 64345 | 65317 | 66288 | 67259 | 68230 | 69201 | 70171 | 71141 | 72111 | 73081 | 74051 | | 20 |
| | 80 | 74051 | 75020 | 75989 | 76958 | 77927 | 78895 | 79863 | 80831 | 81799 | 82767 | 83734 | | 10 |
| | 90 | 7·84 83734 | 84701 | 85668 | 86635 | 87602 | 88568 | 89534 | 90500 | 91466 | 92431 | 93396 | **55** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $99^g\,55^c$ — log ctg $99^g\,60^c$

## log sin $0^g\,45^c$ — log sin $0^g\,50^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | c | cc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **45** | **oo** | 7·84 93288 | 94253 | 95217 | 96182 | 97146 | 98110 | 99074 | *00038 | *01002 | *01965 | *02928 | | 90 |
| | 10 | 7·85 02928 | 03891 | 04853 | 05816 | 06778 | 07740 | 08702 | 09663 | 10625 | 11586 | 12547 | | 80 |
| | 20 | 12547 | 13507 | 14468 | 15428 | 16388 | 17348 | 18308 | 19267 | 20226 | 21185 | 22144 | | 70 |
| | 30 | 22144 | 23103 | 24061 | 25019 | 25977 | 26935 | 27892 | 28850 | 29807 | 30764 | 31720 | | 60 |
| | 40 | 31720 | 32677 | 33633 | 34589 | 35545 | 36501 | 37456 | 38411 | 39366 | 40321 | 41276 | | 50 |
| | 50 | 41276 | 42230 | 43184 | 44138 | 45092 | 46046 | 46999 | 47952 | 48905 | 49858 | 50810 | | 40 |
| | 60 | 50810 | 51762 | 52714 | 53666 | 54618 | 55569 | 56521 | 57472 | 58422 | 59373 | 60323 | | 30 |
| | 70 | 60323 | 61274 | 62224 | 63173 | 64123 | 65072 | 66022 | 66970 | 67919 | 68868 | 69816 | | 20 |
| | 80 | 69816 | 70764 | 71712 | 72660 | 73607 | 74555 | 75502 | 76449 | 77395 | 78342 | 79288 | | 10 |
| | 90 | 79288 | 80234 | 81180 | 82126 | 83071 | 84016 | 84961 | 85906 | 86851 | 87795 | 88739 | **54** | **oo** |
| **46** | **oo** | 7·85 88739 | 89683 | 90627 | 91571 | 92514 | 93457 | 94400 | 95343 | 96286 | 97228 | 98170 | | 90 |
| | 10 | 7·85 98170 | 99112 | *00054 | *00995 | *01937 | *02878 | *03819 | *04759 | *05700 | *06640 | *07580 | | 80 |
| | 20 | 7·86 07580 | 08520 | 09460 | 10400 | 11339 | 12278 | 13217 | 14156 | 15094 | 16032 | 16970 | | 70 |
| | 30 | 16970 | 17908 | 18846 | 19783 | 20721 | 21658 | 22595 | 23531 | 24468 | 25404 | 26340 | | 60 |
| | 40 | 26340 | 27276 | 28212 | 29147 | 30082 | 31017 | 31952 | 32887 | 33821 | 34756 | 35690 | | 50 |
| | 50 | 35690 | 36624 | 37557 | 38491 | 39424 | 40357 | 41290 | 42222 | 43155 | 44087 | 45019 | | 40 |
| | 60 | 45019 | 45951 | 46883 | 47814 | 48745 | 49676 | 50607 | 51538 | 52468 | 53399 | 54329 | | 30 |
| | 70 | 54329 | 55258 | 56188 | 57118 | 58047 | 58976 | 59905 | 60833 | 61762 | 62690 | 63618 | | 20 |
| | 80 | 63618 | 64546 | 65474 | 66401 | 67328 | 68256 | 69182 | 70109 | 71036 | 71962 | 72888 | | 10 |
| | 90 | 72888 | 73814 | 74739 | 75665 | 76590 | 77515 | 78440 | 79365 | 80289 | 81214 | 82138 | **53** | **oo** |
| **47** | **oo** | 7·86 82138 | 83062 | 83986 | 84909 | 85832 | 86756 | 87678 | 88601 | 89524 | 90446 | 91368 | | 90 |
| | 10 | 7·86 91368 | 92290 | 93212 | 94133 | 95055 | 95976 | 96897 | 97818 | 98738 | 99659 | *00579 | | 80 |
| | 20 | 7·87 00579 | 01499 | 02419 | 03338 | 04258 | 05177 | 06096 | 07015 | 07934 | 08852 | 09770 | | 70 |
| | 30 | 09770 | 10688 | 11606 | 12524 | 13441 | 14359 | 15276 | 16193 | 17109 | 18026 | 18942 | | 60 |
| | 40 | 18942 | 19858 | 20774 | 21690 | 22605 | 23521 | 24436 | 25351 | 26266 | 27180 | 28095 | | 50 |
| | 50 | 28095 | 29009 | 29923 | 30837 | 31750 | 32664 | 33577 | 34490 | 35403 | 36315 | 37228 | | 40 |
| | 60 | 37228 | 38140 | 39052 | 39964 | 40876 | 41787 | 42699 | 43610 | 44521 | 45431 | 46342 | | 30 |
| | 70 | 46342 | 47252 | 48162 | 49072 | 49982 | 50892 | 51801 | 52710 | 53619 | 54528 | 55437 | | 20 |
| | 80 | 55437 | 56345 | 57254 | 58162 | 59070 | 59977 | 60885 | 61792 | 62699 | 63606 | 64513 | | 10 |
| | 90 | 64513 | 65419 | 66326 | 67232 | 68138 | 69044 | 69949 | 70855 | 71760 | 72665 | 73570 | **52** | **oo** |
| **48** | **oo** | 7·87 73570 | 74475 | 75379 | 76283 | 77188 | 78091 | 78995 | 79899 | 80802 | 81705 | 82608 | | 90 |
| | 10 | 82608 | 83511 | 84414 | 85316 | 86218 | 87120 | 88022 | 88924 | 89825 | 90727 | 91628 | | 80 |
| | 20 | 7·87 91628 | 92529 | 93429 | 94330 | 95230 | 96130 | 97030 | 97930 | 98830 | 99729 | *00628 | | 70 |
| | 30 | 7·88 00628 | 01527 | 02426 | 03325 | 04223 | 05122 | 06020 | 06918 | 07816 | 08713 | 09611 | | 60 |
| | 40 | 09611 | 10508 | 11405 | 12302 | 13198 | 14095 | 14991 | 15887 | 16783 | 17679 | 18574 | | 50 |
| | 50 | 18574 | 19469 | 20365 | 21260 | 22154 | 23049 | 23943 | 24838 | 25732 | 26626 | 27519 | | 40 |
| | 60 | 27519 | 28413 | 29306 | 30199 | 31092 | 31985 | 32878 | 33770 | 34662 | 35554 | 36446 | | 30 |
| | 70 | 36446 | 37338 | 38229 | 39120 | 40012 | 40903 | 41793 | 42684 | 43574 | 44464 | 45354 | | 20 |
| | 80 | 45354 | 46244 | 47134 | 48023 | 48913 | 49802 | 50691 | 51580 | 52468 | 53356 | 54245 | | 10 |
| | 90 | 54245 | 55133 | 56021 | 56908 | 57796 | 58683 | 59570 | 60457 | 61344 | 62230 | 63117 | **51** | **oo** |
| **49** | **oo** | 7·88 63117 | 64003 | 64889 | 65775 | 66660 | 67546 | 68431 | 69316 | 70201 | 71086 | 71971 | | 90 |
| | 10 | 71971 | 72855 | 73739 | 74623 | 75507 | 76391 | 77274 | 78158 | 79041 | 79924 | 80807 | | 80 |
| | 20 | 80807 | 81689 | 82572 | 83454 | 84336 | 85218 | 86100 | 86981 | 87862 | 88744 | 89625 | | 70 |
| | 30 | 89625 | 90505 | 91386 | 92266 | 93147 | 94027 | 94907 | 95787 | 96666 | 97545 | 98425 | | 60 |
| | 40 | 7·88 98425 | 99304 | *00183 | *01061 | *01940 | *02818 | *03696 | *04574 | *05452 | *06330 | *07207 | | 50 |
| | 50 | 7·89 07207 | 08084 | 08961 | 09838 | 10715 | 11592 | 12468 | 13344 | 14220 | 15096 | 15972 | | 40 |
| | 60 | 15972 | 16847 | 17722 | 18598 | 19472 | 20347 | 21222 | 22096 | 22971 | 23845 | 24719 | | 30 |
| | 70 | 24719 | 25592 | 26466 | 27339 | 28212 | 29085 | 29958 | 30831 | 31703 | 32576 | 33448 | | 20 |
| | 80 | 33448 | 34320 | 35192 | 36063 | 36935 | 37806 | 38677 | 39548 | 40419 | 41289 | 42160 | | 10 |
| | 90 | 7·89 42160 | 43030 | 43900 | 44770 | 45640 | 46509 | 47378 | 48248 | 49117 | 49986 | 50854 | **50** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $99^g\,50^c$ — log cos $99^g\,55^c$

## log tg $0^g\,45^c$ — log tg $0^g\,50^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **45** | **oo** | 7·84 93396 | 94361 | 95326 | 96291 | 97255 | 98219 | 99183 | *00147 | *01110 | *02074 | *03037 | 90 |
| | 10 | 7·85 03037 | 04000 | 04962 | 05925 | 06887 | 07849 | 08811 | 09773 | 10734 | 11695 | 12656 | 80 |
| | 20 | 12656 | 13617 | 14577 | 15538 | 16498 | 17458 | 18417 | 19377 | 20336 | 21295 | 22254 | 70 |
| | 30 | 22254 | 23213 | 24171 | 25129 | 26087 | 27045 | 28003 | 28960 | 29917 | 30874 | 31831 | 60 |
| | 40 | 31831 | 32787 | 33744 | 34700 | 35656 | 36611 | 37567 | 38522 | 39477 | 40432 | 41387 | 50 |
| | 50 | 41387 | 42341 | 43295 | 44249 | 45203 | 46157 | 47110 | 48063 | 49016 | 49969 | 50921 | 40 |
| | 60 | 50921 | 51874 | 52826 | 53778 | 54730 | 55681 | 56632 | 57583 | 58534 | 59485 | 60435 | 30 |
| | 70 | 60435 | 61386 | 62336 | 63285 | 64235 | 65185 | 66134 | 67083 | 68032 | 68980 | 69928 | 20 |
| | 80 | 69928 | 70877 | 71825 | 72772 | 73720 | 74667 | 75614 | 76561 | 77508 | 78455 | 79401 | 10 |
| | 90 | 79401 | 80347 | 81293 | 82239 | 83184 | 84129 | 85074 | 86019 | 86964 | 87908 | 88853 | **54 oo** |
| **46** | **oo** | 7·85 88853 | 89797 | 90741 | 91684 | 92628 | 93571 | 94514 | 95457 | 96399 | 97342 | 98284 | 90 |
| | 10 | 7·85 98284 | 99226 | *00168 | *01109 | *02051 | *02992 | *03933 | *04874 | *05814 | *06755 | *07695 | 80 |
| | 20 | 7·86 07695 | 08635 | 09574 | 10514 | 11453 | 12393 | 13331 | 14270 | 15209 | 16147 | 17085 | 70 |
| | 30 | 17085 | 18023 | 18961 | 19898 | 20836 | 21773 | 22710 | 23647 | 24583 | 25519 | 26455 | 60 |
| | 40 | 26455 | 27391 | 28327 | 29263 | 30198 | 31133 | 32068 | 33003 | 33937 | 34871 | 35806 | 50 |
| | 50 | 35806 | 36739 | 37673 | 38607 | 39540 | 40473 | 41406 | 42339 | 43271 | 44203 | 45136 | 40 |
| | 60 | 45136 | 46067 | 46999 | 47931 | 48862 | 49793 | 50724 | 51655 | 52585 | 53515 | 54445 | 30 |
| | 70 | 54445 | 55375 | 56305 | 57235 | 58164 | 59093 | 60022 | 60951 | 61879 | 62807 | 63736 | 20 |
| | 80 | 63736 | 64663 | 65591 | 66519 | 67446 | 68373 | 69300 | 70227 | 71153 | 72080 | 73006 | 10 |
| | 90 | 73006 | 73932 | 74857 | 75783 | 76708 | 77633 | 78558 | 79483 | 80408 | 81332 | 82256 | **53 oo** |
| **47** | **oo** | 7·86 82256 | 83180 | 84104 | 85028 | 85951 | 86874 | 87797 | 88720 | 89642 | 90565 | 91487 | 90 |
| | 10 | 7·86 91487 | 92409 | 93331 | 94253 | 95174 | 96095 | 97016 | 97937 | 98858 | 99778 | *00698 | 80 |
| | 20 | 7·87 00698 | 01618 | 02538 | 03458 | 04377 | 05297 | 06216 | 07135 | 08053 | 08972 | 09890 | 70 |
| | 30 | 09890 | 10808 | 11726 | 12644 | 13561 | 14479 | 15396 | 16313 | 17230 | 18146 | 19062 | 60 |
| | 40 | 19062 | 19979 | 20895 | 21810 | 22726 | 23641 | 24557 | 25472 | 26386 | 27301 | 28215 | 50 |
| | 50 | 28215 | 29130 | 30044 | 30958 | 31871 | 32785 | 33698 | 34611 | 35524 | 36437 | 37349 | 40 |
| | 60 | 37349 | 38262 | 39174 | 40086 | 40997 | 41909 | 42820 | 43731 | 44642 | 45553 | 46464 | 30 |
| | 70 | 46464 | 47374 | 48284 | 49194 | 50104 | 51014 | 51923 | 52833 | 53742 | 54651 | 55559 | 20 |
| | 80 | 55559 | 56468 | 57376 | 58284 | 59192 | 60100 | 61008 | 61915 | 62822 | 63729 | 64636 | 10 |
| | 90 | 64636 | 65542 | 66449 | 67355 | 68261 | 69167 | 70073 | 70978 | 71883 | 72789 | 73693 | **52 oo** |
| **48** | **oo** | 7·87 73693 | 74598 | 75503 | 76407 | 77311 | 78215 | 79119 | 80023 | 80926 | 81829 | 82732 | 90 |
| | 10 | 82732 | 83635 | 84538 | 85440 | 86342 | 87244 | 88146 | 89048 | 89950 | 90851 | 91752 | 80 |
| | 20 | 7·87 91752 | 92653 | 93554 | 94454 | 95355 | 96255 | 97155 | 98055 | 98955 | 99854 | *00753 | 70 |
| | 30 | 7·88 00753 | 01653 | 02551 | 03450 | 04349 | 05247 | 06145 | 07043 | 07941 | 08839 | 09736 | 60 |
| | 40 | 09736 | 10633 | 11530 | 12427 | 13324 | 14220 | 15117 | 16013 | 16909 | 17805 | 18700 | 50 |
| | 50 | 18700 | 19596 | 20491 | 21386 | 22281 | 23175 | 24070 | 24964 | 25858 | 26752 | 27646 | 40 |
| | 60 | 27646 | 28539 | 29433 | 30326 | 31219 | 32112 | 33004 | 33897 | 34789 | 35681 | 36573 | 30 |
| | 70 | 36573 | 37465 | 38356 | 39248 | 40139 | 41030 | 41921 | 42811 | 43702 | 44592 | 45482 | 20 |
| | 80 | 45482 | 46372 | 47262 | 48151 | 49041 | 49930 | 50819 | 51707 | 52596 | 53485 | 54373 | 10 |
| | 90 | 54373 | 55261 | 56149 | 57036 | 57924 | 58811 | 59698 | 60585 | 61472 | 62359 | 63245 | **51 oo** |
| **49** | **oo** | 7·88 63245 | 64132 | 65018 | 65904 | 66789 | 67675 | 68560 | 69445 | 70330 | 71215 | 72100 | 90 |
| | 10 | 72100 | 72984 | 73869 | 74753 | 75637 | 76520 | 77404 | 78287 | 79170 | 80053 | 80936 | 80 |
| | 20 | 80936 | 81819 | 82701 | 83584 | 84466 | 85348 | 86230 | 87111 | 87993 | 88874 | 89755 | 70 |
| | 30 | 89755 | 90636 | 91516 | 92397 | 93277 | 94157 | 95037 | 95917 | 96797 | 97676 | 98555 | 60 |
| | 40 | 7·88 98555 | 99435 | *00313 | *01192 | *02071 | *02949 | *03827 | *04705 | *05583 | *06461 | *07338 | 50 |
| | 50 | 7·89 07338 | 08216 | 09093 | 09970 | 10846 | 11723 | 12599 | 13476 | 14352 | 15228 | 16103 | 40 |
| | 60 | 16103 | 16979 | 17854 | 18730 | 19605 | 20479 | 21354 | 22228 | 23103 | 23977 | 24851 | 30 |
| | 70 | 24851 | 25725 | 26598 | 27472 | 28345 | 29218 | 30091 | 30964 | 31836 | 32709 | 33581 | 20 |
| | 80 | 33581 | 34453 | 35325 | 36196 | 37068 | 37939 | 38810 | 39681 | 40552 | 41423 | 42293 | 10 |
| | 90 | 7·89 42293 | 43163 | 44034 | 44903 | 45773 | 46643 | 47512 | 48381 | 49251 | 50119 | 50988 | **50 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $99^g\,50^c$ — log ctg $99^g\,55^c$

## log sin $0^g\,50^c$ — log sin $0^g\,55^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **50** | **oo** | 7·89 50854 | 51723 | 52591 | 53459 | 54327 | 55195 | 56062 | 56930 | 57797 | 58664 | 59531 | 90 |
| | 10 | 59531 | 60398 | 61265 | 62131 | 62997 | 63863 | 64729 | 65595 | 66460 | 67326 | 68191 | 80 |
| | 20 | 68191 | 69056 | 69921 | 70785 | 71650 | 72514 | 73378 | 74242 | 75106 | 75970 | 76833 | 70 |
| | 30 | 76833 | 77697 | 78560 | 79423 | 80286 | 81148 | 82011 | 82873 | 83735 | 84597 | 85459 | 60 |
| | 40 | 85459 | 86320 | 87182 | 88043 | 88904 | 89765 | 90626 | 91486 | 92347 | 93207 | 94067 | 50 |
| | 50 | 7·89 94067 | 94927 | 95787 | 96646 | 97506 | 98365 | 99224 | *00083 | *00941 | *01800 | *02658 | 40 |
| | 60 | 7·90 02658 | 03516 | 04374 | 05232 | 06090 | 06947 | 07805 | 08662 | 09519 | 10376 | 11232 | 30 |
| | 70 | 11232 | 12089 | 12945 | 13801 | 14657 | 15513 | 16369 | 17224 | 18080 | 18935 | 19790 | 20 |
| | 80 | 19790 | 20645 | 21499 | 22354 | 23208 | 24062 | 24916 | 25770 | 26624 | 27477 | 28330 | 10 |
| | 90 | 28330 | 29183 | 30036 | 30889 | 31742 | 32594 | 33447 | 34299 | 35151 | 36002 | 36854 | **49** **oo** |
| **51** | **oo** | 7·90 36854 | 37706 | 38557 | 39408 | 40259 | 41110 | 41960 | 42811 | 43661 | 44511 | 45361 | 90 |
| | 10 | 45361 | 46211 | 47061 | 47910 | 48759 | 49608 | 50457 | 51306 | 52155 | 53003 | 53852 | 80 |
| | 20 | 53852 | 54700 | 55548 | 56395 | 57243 | 58091 | 58938 | 59785 | 60632 | 61479 | 62325 | 70 |
| | 30 | 62325 | 63172 | 64018 | 64864 | 65710 | 66556 | 67402 | 68247 | 69093 | 69938 | 70783 | 60 |
| | 40 | 70783 | 71628 | 72472 | 73317 | 74161 | 75005 | 75849 | 76693 | 77537 | 78380 | 79224 | 50 |
| | 50 | 79224 | 80067 | 80910 | 81753 | 82595 | 83438 | 84280 | 85123 | 85965 | 86807 | 87648 | 40 |
| | 60 | 87648 | 88490 | 89331 | 90172 | 91013 | 91854 | 92695 | 93536 | 94376 | 95216 | 96056 | 30 |
| | 70 | 7·90 96056 | 96896 | 97736 | 98576 | 99415 | *00254 | *01094 | *01933 | *02771 | *03610 | *04448 | 20 |
| | 80 | 7·91 04448 | 05287 | 06125 | 06963 | 07801 | 08638 | 09476 | 10313 | 11150 | 11987 | 12824 | 10 |
| | 90 | 12824 | 13661 | 14497 | 15334 | 16170 | 17006 | 17842 | 18678 | 19513 | 20349 | 21184 | **48** **oo** |
| **52** | **oo** | 7·91 21184 | 22019 | 22854 | 23689 | 24523 | 25358 | 26192 | 27026 | 27860 | 28694 | 29528 | 90 |
| | 10 | 29528 | 30361 | 31194 | 32027 | 32860 | 33693 | 34526 | 35359 | 36191 | 37023 | 37855 | 80 |
| | 20 | 37855 | 38687 | 39519 | 40350 | 41182 | 42013 | 42844 | 43675 | 44506 | 45336 | 46167 | 70 |
| | 30 | 46167 | 46997 | 47827 | 48657 | 49487 | 50317 | 51146 | 51976 | 52805 | 53634 | 54463 | 60 |
| | 40 | 54463 | 55291 | 56120 | 56948 | 57776 | 58605 | 59432 | 60260 | 61088 | 61915 | 62743 | 50 |
| | 50 | 62743 | 63570 | 64397 | 65223 | 66050 | 66877 | 67703 | 68529 | 69355 | 70181 | 71007 | 40 |
| | 60 | 71007 | 71832 | 72658 | 73483 | 74308 | 75133 | 75958 | 76782 | 77607 | 78431 | 79255 | 30 |
| | 70 | 79255 | 80079 | 80903 | 81727 | 82550 | 83374 | 84197 | 85020 | 85843 | 86666 | 87488 | 20 |
| | 80 | 87488 | 88311 | 89133 | 89955 | 90777 | 91599 | 92420 | 93242 | 94063 | 94884 | 95706 | 10 |
| | 90 | 7·91 95706 | 96526 | 97347 | 98168 | 98988 | 99808 | *00628 | *01448 | *02268 | *03088 | *03907 | **47** **oo** |
| **53** | **oo** | 7·92 03907 | 04727 | 05546 | 06365 | 07184 | 08002 | 08821 | 09639 | 10458 | 11276 | 12094 | 90 |
| | 10 | 12094 | 12911 | 13729 | 14547 | 15364 | 16181 | 16998 | 17815 | 18632 | 19448 | 20265 | 80 |
| | 20 | 20265 | 21081 | 21897 | 22713 | 23529 | 24344 | 25160 | 25975 | 26790 | 27605 | 28420 | 70 |
| | 30 | 28420 | 29235 | 30049 | 30864 | 31678 | 32492 | 33306 | 34120 | 34934 | 35747 | 36560 | 60 |
| | 40 | 36560 | 37374 | 38187 | 39000 | 39812 | 40625 | 41437 | 42250 | 43062 | 43874 | 44685 | 50 |
| | 50 | 44685 | 45497 | 46309 | 47120 | 47931 | 48742 | 49553 | 50364 | 51175 | 51985 | 52795 | 40 |
| | 60 | 52795 | 53606 | 54416 | 55225 | 56035 | 56845 | 57654 | 58463 | 59272 | 60081 | 60890 | 30 |
| | 70 | 60890 | 61699 | 62507 | 63316 | 64124 | 64932 | 65740 | 66547 | 67355 | 68163 | 68970 | 20 |
| | 80 | 68970 | 69777 | 70584 | 71391 | 72198 | 73004 | 73810 | 74617 | 75423 | 76229 | 77035 | 10 |
| | 90 | 77035 | 77840 | 78646 | 79451 | 80256 | 81061 | 81866 | 82671 | 83476 | 84280 | 85084 | **46** **oo** |
| **54** | **oo** | 7·92 85084 | 85888 | 86692 | 87496 | 88300 | 89104 | 89907 | 90710 | 91513 | 92316 | 93119 | 90 |
| | 10 | 7·92 93119 | 93922 | 94724 | 95527 | 96329 | 97131 | 97933 | 98735 | 99536 | *00338 | *01139 | 80 |
| | 20 | 7·93 01139 | 01940 | 02741 | 03542 | 04343 | 05144 | 05944 | 06744 | 07545 | 08345 | 09144 | 70 |
| | 30 | 09144 | 09944 | 10744 | 11543 | 12342 | 13141 | 13940 | 14739 | 15538 | 16337 | 17135 | 60 |
| | 40 | 17135 | 17933 | 18731 | 19529 | 20327 | 21125 | 21922 | 22720 | 23517 | 24314 | 25111 | 50 |
| | 50 | 25111 | 25908 | 26704 | 27501 | 28297 | 29093 | 29889 | 30685 | 31481 | 32276 | 33072 | 40 |
| | 60 | 33072 | 33867 | 34662 | 35457 | 36252 | 37047 | 37842 | 38636 | 39430 | 40225 | 41019 | 30 |
| | 70 | 41019 | 41812 | 42606 | 43400 | 44193 | 44986 | 45780 | 46573 | 47365 | 48158 | 48951 | 20 |
| | 80 | 48951 | 49743 | 50535 | 51328 | 52120 | 52911 | 53703 | 54495 | 55286 | 56077 | 56868 | 10 |
| | 90 | 7·93 56868 | 57659 | 58450 | 59241 | 60031 | 60822 | 61612 | 62402 | 63192 | 63982 | 64772 | **45** **oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $99^g\,45^c$ — log cos $99^g\,50^c$

## log tg $0^g\,50^c$ — log tg $0^g\,55^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **50** | **oo** | 7·89 50988 | 51857 | 52725 | 53593 | 54461 | 55329 | 56197 | 57064 | 57932 | 58799 | 59666 | 90 |
| | 10 | 59666 | 60532 | 61399 | 62266 | 63132 | 63998 | 64864 | 65730 | 66595 | 67461 | 68326 | 80 |
| | 20 | 68326 | 69191 | 70056 | 70921 | 71785 | 72650 | 73514 | 74378 | 75242 | 76105 | 76969 | 70 |
| | 30 | 76969 | 77832 | 78696 | 79559 | 80421 | 81284 | 82147 | 83009 | 83871 | 84733 | 85595 | 60 |
| | 40 | 85595 | 86457 | 87318 | 88179 | 89040 | 89901 | 90762 | 91623 | 92483 | 93344 | 94204 | 50 |
| | 50 | 7·89 94204 | 95064 | 95923 | 96783 | 97642 | 98502 | 99361 | *00220 | *01078 | *01937 | *02795 | 40 |
| | 60 | 7·90 02795 | 03654 | 04512 | 05370 | 06227 | 07085 | 07942 | 08800 | 09657 | 10513 | 11370 | 30 |
| | 70 | 11370 | 12227 | 13083 | 13939 | 14795 | 15651 | 16507 | 17362 | 18218 | 19073 | 19928 | 20 |
| | 80 | 19928 | 20783 | 21638 | 22492 | 23347 | 24201 | 25055 | 25909 | 26762 | 27616 | 28469 | 10 |
| | 90 | 28469 | 29322 | 30175 | 31028 | 31881 | 32733 | 33586 | 34438 | 35290 | 36142 | 36993 | **49 oo** |
| **51** | **oo** | 7·90 36993 | 37845 | 38696 | 39547 | 40398 | 41249 | 42100 | 42951 | 43801 | 44651 | 45501 | 90 |
| | 10 | 45501 | 46351 | 47201 | 48050 | 48899 | 49749 | 50598 | 51446 | 52295 | 53144 | 53992 | 80 |
| | 20 | 53992 | 54840 | 55688 | 56536 | 57384 | 58231 | 59079 | 59926 | 60773 | 61620 | 62466 | 70 |
| | 30 | 62466 | 63313 | 64159 | 65006 | 65852 | 66697 | 67543 | 68389 | 69234 | 70079 | 70924 | 60 |
| | 40 | 70924 | 71769 | 72614 | 73458 | 74303 | 75147 | 75991 | 76835 | 77679 | 78522 | 79366 | 50 |
| | 50 | 79366 | 80209 | 81052 | 81895 | 82738 | 83580 | 84423 | 85265 | 86107 | 86949 | 87791 | 40 |
| | 60 | 87791 | 88633 | 89474 | 90315 | 91156 | 91997 | 92838 | 93679 | 94519 | 95360 | 96200 | 30 |
| | 70 | 7·90 96200 | 97040 | 97879 | 98719 | 99559 | *00398 | *01237 | *02076 | *02915 | *03754 | *04592 | 20 |
| | 80 | 7·91 04592 | 05431 | 06269 | 07107 | 07945 | 08782 | 09620 | 10457 | 11295 | 12132 | 12969 | 10 |
| | 90 | 12969 | 13805 | 14642 | 15478 | 16315 | 17151 | 17987 | 18822 | 19658 | 20493 | 21329 | **48 oo** |
| **52** | **oo** | 7·91 21329 | 22164 | 22999 | 23834 | 24668 | 25503 | 26337 | 27171 | 28005 | 28839 | 29673 | 90 |
| | 10 | 29673 | 30506 | 31340 | 32173 | 33006 | 33839 | 34672 | 35504 | 36337 | 37169 | 38001 | 80 |
| | 20 | 38001 | 38833 | 39665 | 40496 | 41328 | 42159 | 42990 | 43821 | 44652 | 45483 | 46313 | 70 |
| | 30 | 46313 | 47144 | 47974 | 48804 | 49634 | 50464 | 51293 | 52122 | 52952 | 53781 | 54610 | 60 |
| | 40 | 54610 | 55438 | 56267 | 57096 | 57924 | 58752 | 59580 | 60408 | 61235 | 62063 | 62890 | 50 |
| | 50 | 62890 | 63717 | 64544 | 65371 | 66198 | 67025 | 67851 | 68677 | 69503 | 70329 | 71155 | 40 |
| | 60 | 71155 | 71981 | 72806 | 73631 | 74457 | 75282 | 76106 | 76931 | 77756 | 78580 | 79404 | 30 |
| | 70 | 79404 | 80228 | 81052 | 81876 | 82699 | 83523 | 84346 | 85169 | 85992 | 86815 | 87638 | 20 |
| | 80 | 87638 | 88460 | 89282 | 90105 | 90927 | 91748 | 92570 | 93392 | 94213 | 95034 | 95855 | 10 |
| | 90 | 7·91 95855 | 96676 | 97497 | 98318 | 99138 | 99959 | *00779 | *01599 | *02419 | *03238 | *04058 | **47 oo** |
| **53** | **oo** | 7·92 04058 | 04877 | 05696 | 06515 | 07334 | 08153 | 08972 | 09790 | 10609 | 11427 | 12245 | 90 |
| | 10 | 12245 | 13063 | 13880 | 14698 | 15515 | 16332 | 17149 | 17966 | 18783 | 19600 | 20416 | 80 |
| | 20 | 20416 | 21232 | 22049 | 22865 | 23680 | 24496 | 25312 | 26127 | 26942 | 27757 | 28572 | 70 |
| | 30 | 28572 | 29387 | 30202 | 31016 | 31831 | 32645 | 33459 | 34273 | 35086 | 35900 | 36713 | 60 |
| | 40 | 36713 | 37526 | 38340 | 39152 | 39965 | 40778 | 41590 | 42403 | 43215 | 44027 | 44839 | 50 |
| | 50 | 44839 | 45651 | 46462 | 47274 | 48085 | 48896 | 49707 | 50518 | 51328 | 52139 | 52949 | 40 |
| | 60 | 52949 | 53760 | 54570 | 55379 | 56189 | 56999 | 57808 | 58618 | 59427 | 60236 | 61045 | 30 |
| | 70 | 61045 | 61853 | 62662 | 63470 | 64279 | 65087 | 65895 | 66702 | 67510 | 68318 | 69125 | 20 |
| | 80 | 69125 | 69932 | 70739 | 71546 | 72353 | 73159 | 73966 | 74772 | 75578 | 76384 | 77190 | 10 |
| | 90 | 77190 | 77996 | 78801 | 79607 | 80412 | 81217 | 82022 | 82827 | 83632 | 84436 | 85241 | **46 oo** |
| **54** | **oo** | 7·92 85241 | 86045 | 86849 | 87653 | 88456 | 89260 | 90064 | 90867 | 91670 | 92473 | 93276 | 90 |
| | 10 | 7·92 93276 | 94079 | 94881 | 95684 | 96486 | 97288 | 98090 | 98892 | 99694 | *00495 | *01297 | 80 |
| | 20 | 7·93 01297 | 02098 | 02899 | 03700 | 04501 | 05301 | 06102 | 06902 | 07702 | 08502 | 09302 | 70 |
| | 30 | 09302 | 10102 | 10902 | 11701 | 12501 | 13300 | 14099 | 14898 | 15696 | 16495 | 17293 | 60 |
| | 40 | 17293 | 18092 | 18890 | 19688 | 20486 | 21284 | 22081 | 22879 | 23676 | 24473 | 25270 | 50 |
| | 50 | 25270 | 26067 | 26863 | 27660 | 28456 | 29253 | 30049 | 30845 | 31640 | 32436 | 33232 | 40 |
| | 60 | 33232 | 34027 | 34822 | 35617 | 36412 | 37207 | 38002 | 38796 | 39591 | 40385 | 41179 | 30 |
| | 70 | 41179 | 41973 | 42767 | 43560 | 44354 | 45147 | 45940 | 46733 | 47526 | 48319 | 49112 | 20 |
| | 80 | 49112 | 49904 | 50696 | 51489 | 52281 | 53073 | 53864 | 54656 | 55447 | 56239 | 57030 | 10 |
| | 90 | 7·93 57030 | 57821 | 58612 | 59403 | 60193 | 60984 | 61774 | 62564 | 63354 | 64144 | 64934 | **45 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $99^g\,45^c$ — log ctg $99^g\,50^c$

## log sin $0^g\,55^c$ — log sin $0^g\,60^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **55** | **oo** | 7·93 64772 | 65561 | 66351 | 67140 | 67929 | 68718 | 69507 | 70295 | 71084 | 71872 | 72661 | 90 |
| | 10 | 72661 | 73449 | 74237 | 75024 | 75812 | 76600 | 77387 | 78174 | 78961 | 79748 | 80535 | 80 |
| | 20 | 80535 | 81322 | 82108 | 82895 | 83681 | 84467 | 85253 | 86039 | 86825 | 87610 | 88395 | 70 |
| | 30 | 88395 | 89181 | 89966 | 90751 | 91536 | 92320 | 93105 | 93889 | 94674 | 95458 | 96242 | 60 |
| | 40 | 7·93 96242 | 97025 | 97809 | 98593 | 99376 | *00159 | *00942 | *01725 | *02508 | *03291 | *04074 | 50 |
| | 50 | 7·94 04074 | 04856 | 05638 | 06420 | 07202 | 07984 | 08766 | 09548 | 10329 | 11110 | 11891 | 40 |
| | 60 | 11891 | 12672 | 13453 | 14234 | 15015 | 15795 | 16575 | 17356 | 18136 | 18916 | 19695 | 30 |
| | 70 | 19695 | 20475 | 21254 | 22034 | 22813 | 23592 | 24371 | 25150 | 25928 | 26707 | 27485 | 20 |
| | 80 | 27485 | 28263 | 29041 | 29819 | 30597 | 31375 | 32152 | 32930 | 33707 | 34484 | 35261 | 10 |
| | 90 | 35261 | 36038 | 36815 | 37591 | 38368 | 39144 | 39920 | 40696 | 41472 | 42247 | 43023 | **44 oo** |
| **56** | **oo** | 7·94 43023 | 43798 | 44574 | 45349 | 46124 | 46899 | 47674 | 48448 | 49223 | 49997 | 50771 | 90 |
| | 10 | 50771 | 51545 | 52319 | 53093 | 53867 | 54640 | 55413 | 56187 | 56960 | 57733 | 58506 | 80 |
| | 20 | 58506 | 59278 | 60051 | 60823 | 61595 | 62368 | 63140 | 63911 | 64683 | 65455 | 66226 | 70 |
| | 30 | 66226 | 66997 | 67769 | 68540 | 69311 | 70081 | 70852 | 71622 | 72393 | 73163 | 73933 | 60 |
| | 40 | 73933 | 74703 | 75473 | 76242 | 77012 | 77781 | 78551 | 79320 | 80089 | 80858 | 81626 | 50 |
| | 50 | 81626 | 82395 | 83163 | 83932 | 84700 | 85468 | 86236 | 87003 | 87771 | 88539 | 89306 | 40 |
| | 60 | 89306 | 90073 | 90840 | 91607 | 92374 | 93141 | 93907 | 94674 | 95440 | 96206 | 96972 | 30 |
| | 70 | 7·94 96972 | 97738 | 98504 | 99269 | *00035 | *00800 | *01565 | *02330 | *03095 | *03860 | *04625 | 20 |
| | 80 | 7·95 04625 | 05389 | 06153 | 06918 | 07682 | 08446 | 09210 | 09973 | 10737 | 11500 | 12264 | 10 |
| | 90 | 12264 | 13027 | 13790 | 14553 | 15315 | 16078 | 16841 | 17603 | 18365 | 19127 | 19889 | **43 oo** |
| **57** | **oo** | 7·95 19889 | 20651 | 21413 | 22174 | 22936 | 23697 | 24458 | 25219 | 25980 | 26741 | 27502 | 90 |
| | 10 | 27502 | 28262 | 29022 | 29783 | 30543 | 31303 | 32063 | 32822 | 33582 | 34341 | 35101 | 80 |
| | 20 | 35101 | 35860 | 36619 | 37378 | 38137 | 38895 | 39654 | 40412 | 41170 | 41928 | 42686 | 70 |
| | 30 | 42686 | 43444 | 44202 | 44959 | 45717 | 46474 | 47231 | 47988 | 48745 | 49502 | 50259 | 60 |
| | 40 | 50259 | 51015 | 51772 | 52528 | 53284 | 54040 | 54796 | 55552 | 56307 | 57063 | 57818 | 50 |
| | 50 | 57818 | 58573 | 59328 | 60083 | 60838 | 61593 | 62347 | 63102 | 63856 | 64610 | 65364 | 40 |
| | 60 | 65364 | 66118 | 66872 | 67626 | 68379 | 69133 | 69886 | 70639 | 71392 | 72145 | 72897 | 30 |
| | 70 | 72897 | 73650 | 74402 | 75155 | 75907 | 76659 | 77411 | 78163 | 78915 | 79666 | 80417 | 20 |
| | 80 | 80417 | 81169 | 81920 | 82671 | 83422 | 84173 | 84923 | 85674 | 86424 | 87174 | 87925 | 10 |
| | 90 | 87925 | 88675 | 89424 | 90174 | 90924 | 91673 | 92423 | 93172 | 93921 | 94670 | 95419 | **42 oo** |
| **58** | **oo** | 7·95 95419 | 96167 | 96916 | 97664 | 98413 | 99161 | 99909 | *00657 | *01405 | *02152 | *02900 | 90 |
| | 10 | 7·96 02900 | 03647 | 04394 | 05142 | 05889 | 06636 | 07382 | 08129 | 08875 | 09622 | 10368 | 80 |
| | 20 | 10368 | 11114 | 11860 | 12606 | 13352 | 14097 | 14843 | 15588 | 16334 | 17079 | 17824 | 70 |
| | 30 | 17824 | 18568 | 19313 | 20058 | 20802 | 21547 | 22291 | 23035 | 23779 | 24523 | 25266 | 60 |
| | 40 | 25266 | 26010 | 26753 | 27497 | 28240 | 28983 | 29726 | 30469 | 31211 | 31954 | 32696 | 50 |
| | 50 | 32696 | 33439 | 34181 | 34923 | 35665 | 36407 | 37148 | 37890 | 38631 | 39372 | 40114 | 40 |
| | 60 | 40114 | 40855 | 41596 | 42336 | 43077 | 43818 | 44558 | 45298 | 46038 | 46778 | 47518 | 30 |
| | 70 | 47518 | 48258 | 48998 | 49737 | 50477 | 51216 | 51955 | 52694 | 53433 | 54172 | 54910 | 20 |
| | 80 | 54910 | 55649 | 56387 | 57125 | 57864 | 58602 | 59339 | 60077 | 60815 | 61552 | 62290 | 10 |
| | 90 | 62290 | 63027 | 63764 | 64501 | 65238 | 65975 | 66711 | 67448 | 68184 | 68921 | 69657 | **41 oo** |
| **59** | **oo** | 7·96 69657 | 70393 | 71129 | 71864 | 72600 | 73336 | 74071 | 74806 | 75541 | 76276 | 77011 | 90 |
| | 10 | 77011 | 77746 | 78481 | 79215 | 79950 | 80684 | 81418 | 82152 | 82886 | 83620 | 84353 | 80 |
| | 20 | 84353 | 85087 | 85820 | 86553 | 87287 | 88020 | 88753 | 89485 | 90218 | 90950 | 91683 | 70 |
| | 30 | 91683 | 92415 | 93147 | 93879 | 94611 | 95343 | 96075 | 96806 | 97538 | 98269 | 99000 | 60 |
| | 40 | 7·96 99000 | 99731 | *00462 | *01193 | *01924 | *02654 | *03385 | *04115 | *04845 | *05575 | *06305 | 50 |
| | 50 | 7·97 06305 | 07035 | 07765 | 08494 | 09224 | 09953 | 10682 | 11411 | 12140 | 12869 | 13598 | 40 |
| | 60 | 13598 | 14327 | 15055 | 15783 | 16512 | 17240 | 17968 | 18696 | 19423 | 20151 | 20878 | 30 |
| | 70 | 20878 | 21606 | 22333 | 23060 | 23787 | 24514 | 25241 | 25968 | 26694 | 27420 | 28147 | 20 |
| | 80 | 28147 | 28873 | 29599 | 30325 | 31051 | 31776 | 32502 | 33227 | 33953 | 34678 | 35403 | 10 |
| | 90 | 7·97 35403 | 36128 | 36853 | 37577 | 38302 | 39026 | 39751 | 40475 | 41199 | 41923 | 42647 | **40 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $99^g\,40^c$ — log cos $99^g\,45^c$

## log tg $0^g\,55^c$ — log tg $0^g\,60^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **55** | **oo** | 7·93 64934 | 65723 | 66513 | 67302 | 68091 | 68880 | 69669 | 70458 | 71246 | 72035 | 72823 | 90 |
| | 10 | 72823 | 73611 | 74399 | 75187 | 75975 | 76763 | 77550 | 78337 | 79124 | 79912 | 80698 | 80 |
| | 20 | 80698 | 81485 | 82272 | 83058 | 83844 | 84631 | 85417 | 86203 | 86988 | 87774 | 88559 | 70 |
| | 30 | 88559 | 89345 | 90130 | 90915 | 91700 | 92484 | 93269 | 94054 | 94838 | 95622 | 96406 | 60 |
| | 40 | 7·93 96406 | 97190 | 97974 | 98757 | 99541 | *00324 | *01107 | *01890 | *02673 | *03456 | *04239 | 50 |
| | 50 | 7·94 04239 | 05021 | 05803 | 06586 | 07368 | 08150 | 08931 | 09713 | 10495 | 11276 | 12057 | 40 |
| | 60 | 12057 | 12838 | 13619 | 14400 | 15181 | 15961 | 16741 | 17522 | 18302 | 19082 | 19862 | 30 |
| | 70 | 19862 | 20641 | 21421 | 22200 | 22979 | 23759 | 24537 | 25316 | 26095 | 26874 | 27652 | 20 |
| | 80 | 27652 | 28430 | 29208 | 29986 | 30764 | 31542 | 32320 | 33097 | 33874 | 34651 | 35428 | 10 |
| | 90 | 35428 | 36205 | 36982 | 37759 | 38535 | 39311 | 40088 | 40864 | 41640 | 42415 | 43191 | **44 oo** |
| **56** | **oo** | 7·94 43191 | 43967 | 44742 | 45517 | 46292 | 47067 | 47842 | 48617 | 49391 | 50166 | 50940 | 90 |
| | 10 | 50940 | 51714 | 52488 | 53262 | 54035 | 54809 | 55582 | 56356 | 57129 | 57902 | 58675 | 80 |
| | 20 | 58675 | 59447 | 60220 | 60993 | 61765 | 62537 | 63309 | 64081 | 64853 | 65624 | 66396 | 70 |
| | 30 | 66396 | 67167 | 67939 | 68710 | 69481 | 70251 | 71022 | 71793 | 72563 | 73333 | 74103 | 60 |
| | 40 | 74103 | 74873 | 75643 | 76413 | 77183 | 77952 | 78721 | 79491 | 80260 | 81029 | 81797 | 50 |
| | 50 | 81797 | 82566 | 83334 | 84103 | 84871 | 85639 | 86407 | 87175 | 87943 | 88710 | 89478 | 40 |
| | 60 | 89478 | 90245 | 91012 | 91779 | 92546 | 93313 | 94079 | 94846 | 95612 | 96378 | 97144 | 30 |
| | 70 | 7·94 97144 | 97910 | 98676 | 99442 | *00207 | *00972 | *01738 | *02503 | *03268 | *04033 | *04797 | 20 |
| | 80 | 7·95 04797 | 05562 | 06326 | 07091 | 07855 | 08619 | 09383 | 10147 | 10910 | 11674 | 12437 | 10 |
| | 90 | 12437 | 13200 | 13963 | 14726 | 15489 | 16252 | 17014 | 17777 | 18539 | 19301 | 20063 | **43 oo** |
| **57** | **oo** | 7·95 20063 | 20825 | 21587 | 22349 | 23110 | 23872 | 24633 | 25394 | 26155 | 26916 | 27676 | 90 |
| | 10 | 27676 | 28437 | 29197 | 29958 | 30718 | 31478 | 32238 | 32997 | 33757 | 34517 | 35276 | 80 |
| | 20 | 35276 | 36035 | 36794 | 37553 | 38312 | 39071 | 39829 | 40588 | 41346 | 42104 | 42862 | 70 |
| | 30 | 42862 | 43620 | 44378 | 45136 | 45893 | 46650 | 47408 | 48165 | 48922 | 49679 | 50435 | 60 |
| | 40 | 50435 | 51192 | 51948 | 52705 | 53461 | 54217 | 54973 | 55729 | 56484 | 57240 | 57995 | 50 |
| | 50 | 57995 | 58751 | 59506 | 60261 | 61016 | 61770 | 62525 | 63279 | 64034 | 64788 | 65542 | 40 |
| | 60 | 65542 | 66296 | 67050 | 67804 | 68557 | 69311 | 70064 | 70817 | 71570 | 72323 | 73076 | 30 |
| | 70 | 73076 | 73828 | 74581 | 75333 | 76086 | 76838 | 77590 | 78342 | 79093 | 79845 | 80596 | 20 |
| | 80 | 80596 | 81348 | 82099 | 82850 | 83601 | 84352 | 85103 | 85853 | 86604 | 87354 | 88104 | 10 |
| | 90 | 88104 | 88854 | 89604 | 90354 | 91104 | 91853 | 92603 | 93352 | 94101 | 94850 | 95599 | **42 oo** |
| **58** | **oo** | 7·95 95599 | 96348 | 97096 | 97845 | 98593 | 99341 | *00089 | *00837 | *01585 | *02333 | *03081 | 90 |
| | 10 | 7·96 03081 | 03828 | 04575 | 05323 | 06070 | 06817 | 07564 | 08310 | 09057 | 09803 | 10550 | 80 |
| | 20 | 10550 | 11296 | 12042 | 12788 | 13534 | 14279 | 15025 | 15770 | 16516 | 17261 | 18006 | 70 |
| | 30 | 18006 | 18751 | 19495 | 20240 | 20985 | 21729 | 22473 | 23217 | 23961 | 24705 | 25449 | 60 |
| | 40 | 25449 | 26193 | 26936 | 27680 | 28423 | 29166 | 29909 | 30652 | 31395 | 32137 | 32880 | 50 |
| | 50 | 32880 | 33622 | 34364 | 35106 | 35848 | 36590 | 37332 | 38074 | 38815 | 39556 | 40298 | 40 |
| | 60 | 40298 | 41039 | 41780 | 42520 | 43261 | 44002 | 44742 | 45483 | 46223 | 46963 | 47703 | 30 |
| | 70 | 47703 | 48443 | 49182 | 49922 | 50661 | 51401 | 52140 | 52879 | 53618 | 54357 | 55096 | 20 |
| | 80 | 55096 | 55834 | 56573 | 57311 | 58049 | 58787 | 59525 | 60263 | 61001 | 61738 | 62476 | 10 |
| | 90 | 62476 | 63213 | 63950 | 64687 | 65424 | 66161 | 66898 | 67634 | 68371 | 69107 | 69843 | **41 oo** |
| **59** | **oo** | 7·96 69843 | 70579 | 71315 | 72051 | 72787 | 73522 | 74258 | 74993 | 75728 | 76463 | 77198 | 90 |
| | 10 | 77198 | 77933 | 78668 | 79402 | 80137 | 80871 | 81605 | 82340 | 83073 | 83807 | 84541 | 80 |
| | 20 | 84541 | 85275 | 86008 | 86741 | 87475 | 88208 | 88941 | 89674 | 90406 | 91139 | 91871 | 70 |
| | 30 | 91871 | 92604 | 93336 | 94068 | 94800 | 95532 | 96264 | 96995 | 97727 | 98458 | 99189 | 60 |
| | 40 | 7·96 99189 | 99920 | *00651 | *01382 | *02113 | *02844 | *03574 | *04304 | *05035 | *05765 | *06495 | 50 |
| | 50 | 7·97 06495 | 07225 | 07955 | 08684 | 09414 | 10143 | 10872 | 11602 | 12331 | 13059 | 13788 | 40 |
| | 60 | 13788 | 14517 | 15245 | 15974 | 16702 | 17430 | 18158 | 18886 | 19614 | 20342 | 21069 | 30 |
| | 70 | 21069 | 21797 | 22524 | 23251 | 23978 | 24705 | 25432 | 26159 | 26886 | 27612 | 28338 | 20 |
| | 80 | 28338 | 29065 | 29791 | 30517 | 31243 | 31968 | 32694 | 33419 | 34145 | 34870 | 35595 | 10 |
| | 90 | 7·97 35595 | 36320 | 37045 | 37770 | 38494 | 39219 | 39943 | 40668 | 41392 | 42116 | 42840 | **40 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $99^g\,40^c$ — log ctg $99^g\,45^c$

## log sin $0^g\,60^c$ — log sin $0^g\,65^c$

| c | cc | | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **60** | **oo** | 7·97 | 42647 | 43371 | 44094 | 44818 | 45541 | 46264 | 46988 | 47711 | 48434 | 49156 | 49879 | 90 |
| | 10 | | 49879 | 50602 | 51324 | 52046 | 52768 | 53490 | 54212 | 54934 | 55656 | 56378 | 57099 | 80 |
| | 20 | | 57099 | 57820 | 58542 | 59263 | 59984 | 60704 | 61425 | 62146 | 62866 | 63587 | 64307 | 70 |
| | 30 | | 64307 | 65027 | 65747 | 66467 | 67187 | 67906 | 68626 | 69345 | 70065 | 70784 | 71503 | 60 |
| | 40 | | 71503 | 72222 | 72941 | 73659 | 74378 | 75097 | 75815 | 76533 | 77251 | 77969 | 78687 | 50 |
| | 50 | | 78687 | 79405 | 80123 | 80840 | 81557 | 82275 | 82992 | 83709 | 84426 | 85143 | 85859 | 40 |
| | 60 | | 85859 | 86576 | 87292 | 88009 | 88725 | 89441 | 90157 | 90873 | 91589 | 92304 | 93020 | 30 |
| | 70 | 7·97 | 93020 | 93735 | 94451 | 95166 | 95881 | 96596 | 97310 | 98025 | 98740 | 99454 | *00169 | 20 |
| | 80 | 7·98 | 00169 | 00883 | 01597 | 02311 | 03025 | 03738 | 04452 | 05166 | 05879 | 06592 | 07305 | 10 |
| | 90 | | 07305 | 08019 | 08731 | 09444 | 10157 | 10870 | 11582 | 12294 | 13007 | 13719 | 14431 | **39** **oo** |
| **61** | **oo** | 7·98 | 14431 | 15143 | 15854 | 16566 | 17277 | 17989 | 18700 | 19411 | 20122 | 20833 | 21544 | 90 |
| | 10 | | 21544 | 22255 | 22966 | 23676 | 24386 | 25097 | 25807 | 26517 | 27227 | 27936 | 28646 | 80 |
| | 20 | | 28646 | 29356 | 30065 | 30774 | 31484 | 32193 | 32902 | 33611 | 34319 | 35028 | 35736 | 70 |
| | 30 | | 35736 | 36445 | 37153 | 37861 | 38569 | 39277 | 39985 | 40693 | 41400 | 42108 | 42815 | 60 |
| | 40 | | 42815 | 43522 | 44230 | 44937 | 45643 | 46350 | 47057 | 47763 | 48470 | 49176 | 49882 | 50 |
| | 50 | | 49882 | 50588 | 51294 | 52000 | 52706 | 53412 | 54117 | 54823 | 55528 | 56233 | 56938 | 40 |
| | 60 | | 56938 | 57643 | 58348 | 59053 | 59757 | 60462 | 61166 | 61870 | 62574 | 63279 | 63982 | 30 |
| | 70 | | 63982 | 64686 | 65390 | 66093 | 66797 | 67500 | 68204 | 68907 | 69610 | 70313 | 71015 | 20 |
| | 80 | | 71015 | 71718 | 72421 | 73123 | 73825 | 74527 | 75230 | 75932 | 76633 | 77335 | 78037 | 10 |
| | 90 | | 78037 | 78738 | 79440 | 80141 | 80842 | 81543 | 82244 | 82945 | 83646 | 84347 | 85047 | **38** **oo** |
| **62** | **oo** | 7·98 | 85047 | 85747 | 86448 | 87148 | 87848 | 88548 | 89248 | 89947 | 90647 | 91347 | 92046 | 90 |
| | 10 | | 92046 | 92745 | 93444 | 94143 | 94842 | 95541 | 96240 | 96938 | 97637 | 98335 | 99034 | 80 |
| | 20 | 7·98 | 99034 | 99732 | *00430 | *01128 | *01825 | *02523 | *03221 | *03918 | *04616 | *05313 | *06010 | 70 |
| | 30 | 7·99 | 06010 | 06707 | 07404 | 08101 | 08797 | 09494 | 10190 | 10887 | 11583 | 12279 | 12975 | 60 |
| | 40 | | 12975 | 13671 | 14367 | 15063 | 15758 | 16454 | 17149 | 17844 | 18539 | 19234 | 19929 | 50 |
| | 50 | | 19929 | 20624 | 21319 | 22013 | 22708 | 23402 | 24096 | 24790 | 25484 | 26178 | 26872 | 40 |
| | 60 | | 26872 | 27566 | 28259 | 28953 | 29646 | 30339 | 31033 | 31726 | 32418 | 33111 | 33804 | 30 |
| | 70 | | 33804 | 34497 | 35189 | 35881 | 36574 | 37266 | 37958 | 38650 | 39341 | 40033 | 40725 | 20 |
| | 80 | | 40725 | 41416 | 42108 | 42799 | 43490 | 44181 | 44872 | 45563 | 46253 | 46944 | 47635 | 10 |
| | 90 | | 47635 | 48325 | 49015 | 49705 | 50395 | 51085 | 51775 | 52465 | 53154 | 53844 | 54533 | **37** **oo** |
| **63** | **oo** | 7·99 | 54533 | 55223 | 55912 | 56601 | 57290 | 57979 | 58667 | 59356 | 60045 | 60733 | 61421 | 90 |
| | 10 | | 61421 | 62109 | 62798 | 63485 | 64173 | 64861 | 65549 | 66236 | 66924 | 67611 | 68298 | 80 |
| | 20 | | 68298 | 68985 | 69672 | 70359 | 71046 | 71733 | 72419 | 73106 | 73792 | 74478 | 75164 | 70 |
| | 30 | | 75164 | 75850 | 76536 | 77222 | 77908 | 78593 | 79279 | 79964 | 80649 | 81335 | 82020 | 60 |
| | 40 | | 82020 | 82704 | 83389 | 84074 | 84759 | 85443 | 86128 | 86812 | 87496 | 88180 | 88864 | 50 |
| | 50 | | 88864 | 89548 | 90232 | 90915 | 91599 | 92282 | 92966 | 93649 | 94332 | 95015 | 95698 | 40 |
| | 60 | 7·99 | 95698 | 96380 | 97063 | 97746 | 98428 | 99110 | 99793 | *00475 | *01157 | *01839 | *02521 | 30 |
| | 70 | 8.00 | 02521 | 03202 | 03884 | 04565 | 05247 | 05928 | 06609 | 07290 | 07971 | 08652 | 09333 | 20 |
| | 80 | | 09333 | 10013 | 10694 | 11374 | 12055 | 12735 | 13415 | 14095 | 14775 | 15455 | 16134 | 10 |
| | 90 | | 16134 | 16814 | 17493 | 18173 | 18852 | 19531 | 20210 | 20889 | 21568 | 22247 | 22925 | **36** **oo** |
| **64** | **oo** | 8.00 | 22925 | 23604 | 24282 | 24961 | 25639 | 26317 | 26995 | 27673 | 28350 | 29028 | 29706 | 90 |
| | 10 | | 29706 | 30383 | 31060 | 31738 | 32415 | 33092 | 33769 | 34446 | 35122 | 35799 | 36475 | 80 |
| | 20 | | 36475 | 37152 | 37828 | 38504 | 39180 | 39856 | 40532 | 41208 | 41884 | 42559 | 43235 | 70 |
| | 30 | | 43235 | 43910 | 44585 | 45260 | 45935 | 46610 | 47285 | 47960 | 48634 | 49309 | 49983 | 60 |
| | 40 | | 49983 | 50658 | 51332 | 52006 | 52680 | 53354 | 54028 | 54701 | 55375 | 56048 | 56722 | 50 |
| | 50 | | 56722 | 57395 | 58068 | 58741 | 59414 | 60087 | 60760 | 61432 | 62105 | 62777 | 63449 | 40 |
| | 60 | | 63449 | 64122 | 64794 | 65466 | 66138 | 66809 | 67481 | 68153 | 68824 | 69496 | 70167 | 30 |
| | 70 | | 70167 | 70838 | 71509 | 72180 | 72851 | 73522 | 74192 | 74863 | 75533 | 76204 | 76874 | 20 |
| | 80 | | 76874 | 77544 | 78214 | 78884 | 79554 | 80223 | 80893 | 81563 | 82232 | 82901 | 83571 | 10 |
| | 90 | 8.00 | 83571 | 84240 | 84909 | 85578 | 86246 | 86915 | 87584 | 88252 | 88920 | 89589 | 90257 | **35** **oo** |
| | | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $99^g\,35^c$ — log cos $99^g\,40^c$

## log tg $0^g\,60^c$ — log tg $0^g\,65^c$

| c | cc | | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **60** | **oo** | 7·97 | 42840 | 43564 | 44287 | 45011 | 45734 | 46458 | 47181 | 47904 | 48627 | 49350 | 50073 | 90 |
| | 10 | | 50073 | 50795 | 51518 | 52240 | 52962 | 53684 | 54406 | 55128 | 55850 | 56572 | 57293 | 80 |
| | 20 | | 57293 | 58015 | 58736 | 59457 | 60178 | 60899 | 61620 | 62340 | 63061 | 63781 | 64502 | 70 |
| | 30 | | 64502 | 65222 | 65942 | 66662 | 67382 | 68102 | 68821 | 69541 | 70260 | 70979 | 71698 | 60 |
| | 40 | | 71698 | 72417 | 73136 | 73855 | 74574 | 75292 | 76011 | 76729 | 77447 | 78165 | 78883 | 50 |
| | 50 | | 78883 | 79601 | 80319 | 81036 | 81754 | 82471 | 83188 | 83906 | 84623 | 85339 | 86056 | 40 |
| | 60 | | 86056 | 86773 | 87489 | 88206 | 88922 | 89638 | 90354 | 91070 | 91786 | 92502 | 93217 | 30 |
| | 70 | 7·97 | 93217 | 93933 | 94648 | 95363 | 96078 | 96793 | 97508 | 98223 | 98938 | 99652 | *00367 | 20 |
| | 80 | 7·98 | 00367 | 01081 | 01795 | 02509 | 03223 | 03937 | 04651 | 05364 | 06078 | 06791 | 07504 | 10 |
| | 90 | | 07504 | 08217 | 08930 | 09643 | 10356 | 11069 | 11781 | 12494 | 13206 | 13918 | 14630 | **39** **oo** |
| **61** | **oo** | 7·98 | 14630 | 15342 | 16054 | 16766 | 17477 | 18189 | 18900 | 19611 | 20322 | 21033 | 21744 | 90 |
| | 10 | | 21744 | 22455 | 23166 | 23876 | 24587 | 25297 | 26007 | 26717 | 27427 | 28137 | 28847 | 80 |
| | 20 | | 28847 | 29556 | 30266 | 30975 | 31685 | 32394 | 33103 | 33812 | 34520 | 35229 | 35938 | 70 |
| | 30 | | 35938 | 36646 | 37355 | 38063 | 38771 | 39479 | 40187 | 40895 | 41602 | 42310 | 43017 | 60 |
| | 40 | | 43017 | 43724 | 44432 | 45139 | 45846 | 46553 | 47259 | 47966 | 48672 | 49379 | 50085 | 50 |
| | 50 | | 50085 | 50791 | 51497 | 52203 | 52909 | 53615 | 54320 | 55026 | 55731 | 56436 | 57141 | 40 |
| | 60 | | 57141 | 57846 | 58551 | 59256 | 59961 | 60665 | 61370 | 62074 | 62778 | 63482 | 64186 | 30 |
| | 70 | | 64186 | 64890 | 65594 | 66298 | 67001 | 67705 | 68408 | 69111 | 69814 | 70517 | 71220 | 20 |
| | 80 | | 71220 | 71923 | 72625 | 73328 | 74030 | 74732 | 75435 | 76137 | 76839 | 77540 | 78242 | 10 |
| | 90 | | 78242 | 78944 | 79645 | 80347 | 81048 | 81749 | 82450 | 83151 | 83852 | 84552 | 85253 | **38** **oo** |
| **62** | **oo** | 7·98 | 85253 | 85953 | 86654 | 87354 | 88054 | 88754 | 89454 | 90154 | 90854 | 91553 | 92253 | 90 |
| | 10 | | 92253 | 92952 | 93651 | 94350 | 95049 | 95748 | 96447 | 97146 | 97844 | 98542 | 99241 | 80 |
| | 20 | 7·98 | 99241 | 99939 | *00637 | *01335 | *02033 | *02731 | *03428 | *04126 | *04823 | *05521 | *06218 | 70 |
| | 30 | 7·99 | 06218 | 06915 | 07612 | 08309 | 09006 | 09702 | 10399 | 11095 | 11791 | 12488 | 13184 | 60 |
| | 40 | | 13184 | 13880 | 14576 | 15271 | 15967 | 16663 | 17358 | 18053 | 18748 | 19444 | 20138 | 50 |
| | 50 | | 20138 | 20833 | 21528 | 22223 | 22917 | 23612 | 24306 | 25000 | 25694 | 26388 | 27082 | 40 |
| | 60 | | 27082 | 27776 | 28469 | 29163 | 29856 | 30550 | 31243 | 31936 | 32629 | 33322 | 34015 | 30 |
| | 70 | | 34015 | 34707 | 35400 | 36092 | 36785 | 37477 | 38169 | 38861 | 39553 | 40244 | 40936 | 20 |
| | 80 | | 40936 | 41628 | 42319 | 43010 | 43702 | 44393 | 45084 | 45775 | 46465 | 47156 | 47847 | 10 |
| | 90 | | 47847 | 48537 | 49227 | 49918 | 50608 | 51298 | 51988 | 52677 | 53367 | 54057 | 54746 | **37** **oo** |
| **63** | **oo** | 7·99 | 54746 | 55435 | 56125 | 56814 | 57503 | 58192 | 58880 | 59569 | 60258 | 60946 | 61635 | 90 |
| | 10 | | 61635 | 62323 | 63011 | 63699 | 64387 | 65075 | 65762 | 66450 | 67138 | 67825 | 68512 | 80 |
| | 20 | | 68512 | 69199 | 69886 | 70573 | 71260 | 71947 | 72634 | 73320 | 74007 | 74693 | 75379 | 70 |
| | 30 | | 75379 | 76065 | 76751 | 77437 | 78123 | 78808 | 79494 | 80179 | 80865 | 81550 | 82235 | 60 |
| | 40 | | 82235 | 82920 | 83605 | 84290 | 84974 | 85659 | 86343 | 87028 | 87712 | 88396 | 89080 | 50 |
| | 50 | | 89080 | 89764 | 90448 | 91131 | 91815 | 92499 | 93182 | 93865 | 94548 | 95231 | 95914 | 40 |
| | 60 | 7·99 | 95914 | 96597 | 97280 | 97963 | 98645 | 99328 | *00010 | *00692 | *01374 | *02056 | *02738 | 30 |
| | 70 | 8.00 | 02738 | 03420 | 04101 | 04783 | 05464 | 06146 | 06827 | 07508 | 08189 | 08870 | 09551 | 20 |
| | 80 | | 09551 | 10232 | 10912 | 11593 | 12273 | 12953 | 13634 | 14314 | 14994 | 15673 | 16353 | 10 |
| | 90 | | 16353 | 17033 | 17712 | 18392 | 19071 | 19750 | 20429 | 21108 | 21787 | 22466 | 23145 | **36** **oo** |
| **64** | **oo** | 8.00 | 23145 | 23823 | 24502 | 25180 | 25858 | 26537 | 27215 | 27893 | 28570 | 29248 | 29926 | 90 |
| | 10 | | 29926 | 30603 | 31281 | 31958 | 32635 | 33312 | 33989 | 34666 | 35343 | 36020 | 36696 | 80 |
| | 20 | | 36696 | 37373 | 38049 | 38725 | 39402 | 40078 | 40753 | 41429 | 42105 | 42781 | 43456 | 70 |
| | 30 | | 43456 | 44132 | 44807 | 45482 | 46157 | 46832 | 47507 | 48182 | 48857 | 49531 | 50206 | 60 |
| | 40 | | 50206 | 50880 | 51554 | 52228 | 52902 | 53576 | 54250 | 54924 | 55598 | 56271 | 56945 | 50 |
| | 50 | | 56945 | 57618 | 58291 | 58964 | 59637 | 60310 | 60983 | 61656 | 62328 | 63001 | 63673 | 40 |
| | 60 | | 63673 | 64345 | 65017 | 65690 | 66361 | 67033 | 67705 | 68377 | 69048 | 69720 | 70391 | 30 |
| | 70 | | 70391 | 71062 | 71733 | 72405 | 73075 | 73746 | 74417 | 75088 | 75758 | 76429 | 77099 | 20 |
| | 80 | | 77099 | 77769 | 78439 | 79109 | 79779 | 80449 | 81118 | 81788 | 82458 | 83127 | 83796 | 10 |
| | 90 | 8.00 | 83796 | 84465 | 85134 | 85803 | 86472 | 87141 | 87810 | 88478 | 89147 | 89815 | 90483 | **35** **oo** |
| | | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $99^g\,35^c$ — log ctg $99^g\,40^c$

## log sin $0^g\,65^c$ — log sin $0^g\,70^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **65** | **oo** | 8.00 90257 | 90925 | 91593 | 92261 | 92929 | 93596 | 94264 | 94931 | 95599 | 96266 | 96933 | 90 |
| | 10 | 8.00 96933 | 97600 | 98267 | 98934 | 99601 | *00267 | *00934 | *01600 | *02266 | *02933 | *03599 | 80 |
| | 20 | 8.01 03599 | 04265 | 04931 | 05597 | 06262 | 06928 | 07593 | 08259 | 08924 | 09589 | 10254 | 70 |
| | 30 | 10254 | 10919 | 11584 | 12249 | 12914 | 13578 | 14243 | 14907 | 15572 | 16236 | 16900 | 60 |
| | 40 | 16900 | 17564 | 18228 | 18892 | 19555 | 20219 | 20882 | 21546 | 22209 | 22872 | 23535 | 50 |
| | 50 | 23535 | 24198 | 24861 | 25524 | 26186 | 26849 | 27511 | 28174 | 28836 | 29498 | 30160 | 40 |
| | 60 | 30160 | 30822 | 31484 | 32146 | 32808 | 33469 | 34131 | 34792 | 35453 | 36114 | 36775 | 30 |
| | 70 | 36775 | 37436 | 38097 | 38758 | 39419 | 40079 | 40740 | 41400 | 42060 | 42720 | 43380 | 20 |
| | 80 | 43380 | 44040 | 44700 | 45360 | 46020 | 46679 | 47339 | 47998 | 48657 | 49316 | 49975 | 10 |
| | 90 | 49975 | 50634 | 51293 | 51952 | 52611 | 53269 | 53928 | 54586 | 55244 | 55902 | 56560 | **34 oo** |
| **66** | **oo** | 8.01 56560 | 57218 | 57876 | 58534 | 59192 | 59849 | 60507 | 61164 | 61821 | 62478 | 63135 | 90 |
| | 10 | 63135 | 63792 | 64449 | 65106 | 65763 | 66419 | 67076 | 67732 | 68388 | 69044 | 69700 | 80 |
| | 20 | 69700 | 70356 | 71012 | 71668 | 72324 | 72979 | 73635 | 74290 | 74945 | 75600 | 76256 | 70 |
| | 30 | 76256 | 76911 | 77565 | 78220 | 78875 | 79529 | 80184 | 80838 | 81493 | 82147 | 82801 | 60 |
| | 40 | 82801 | 83455 | 84109 | 84762 | 85416 | 86070 | 86723 | 87377 | 88030 | 88683 | 89336 | 50 |
| | 50 | 89336 | 89989 | 90642 | 91295 | 91948 | 92600 | 93253 | 93905 | 94558 | 95210 | 95862 | 40 |
| | 60 | 8.01 95862 | 96514 | 97166 | 97818 | 98469 | 99121 | 99773 | *00424 | *01075 | *01727 | *02378 | 30 |
| | 70 | 8.02 02378 | 03029 | 03680 | 04330 | 04981 | 05632 | 06282 | 06933 | 07583 | 08234 | 08884 | 20 |
| | 80 | 08884 | 09534 | 10184 | 10834 | 11483 | 12133 | 12783 | 13432 | 14082 | 14731 | 15380 | 10 |
| | 90 | 15380 | 16029 | 16678 | 17327 | 17976 | 18625 | 19273 | 19922 | 20570 | 21218 | 21867 | **33 oo** |
| **67** | **oo** | 8.02 21867 | 22515 | 23163 | 23811 | 24459 | 25106 | 25754 | 26401 | 27049 | 27696 | 28344 | 90 |
| | 10 | 28344 | 28991 | 29638 | 30285 | 30932 | 31578 | 32225 | 32872 | 33518 | 34165 | 34811 | 80 |
| | 20 | 34811 | 35457 | 36103 | 36749 | 37395 | 38041 | 38687 | 39332 | 39978 | 40623 | 41269 | 70 |
| | 30 | 41269 | 41914 | 42559 | 43204 | 43849 | 44494 | 45139 | 45783 | 46428 | 47072 | 47717 | 60 |
| | 40 | 47717 | 48361 | 49005 | 49649 | 50293 | 50937 | 51581 | 52225 | 52868 | 53512 | 54155 | 50 |
| | 50 | 54155 | 54798 | 55442 | 56085 | 56728 | 57371 | 58014 | 58656 | 59299 | 59942 | 60584 | 40 |
| | 60 | 60584 | 61226 | 61869 | 62511 | 63153 | 63795 | 64437 | 65079 | 65720 | 66362 | 67004 | 30 |
| | 70 | 67004 | 67645 | 68286 | 68928 | 69569 | 70210 | 70851 | 71492 | 72132 | 72773 | 73414 | 20 |
| | 80 | 73414 | 74054 | 74694 | 75335 | 75975 | 76615 | 77255 | 77895 | 78535 | 79175 | 79814 | 10 |
| | 90 | 79814 | 80454 | 81093 | 81733 | 82372 | 83011 | 83650 | 84289 | 84928 | 85567 | 86205 | **32 oo** |
| **68** | **oo** | 8.02 86205 | 86844 | 87482 | 88121 | 88759 | 89397 | 90035 | 90674 | 91311 | 91949 | 92587 | 90 |
| | 10 | 92587 | 93225 | 93862 | 94500 | 95137 | 95774 | 96412 | 97049 | 97686 | 98323 | 98959 | 80 |
| | 20 | 8.02 98959 | 99596 | *00233 | *00869 | *01506 | *02142 | *02778 | *03415 | *04051 | *04687 | *05322 | 70 |
| | 30 | 8.03 05322 | 05958 | 06594 | 07230 | 07865 | 08501 | 09136 | 09771 | 10406 | 11041 | 11676 | 60 |
| | 40 | 11676 | 12311 | 12946 | 13581 | 14215 | 14850 | 15484 | 16118 | 16753 | 17387 | 18021 | 50 |
| | 50 | 18021 | 18655 | 19288 | 19922 | 20556 | 21189 | 21823 | 22456 | 23090 | 23723 | 24356 | 40 |
| | 60 | 24356 | 24989 | 25622 | 26255 | 26887 | 27520 | 28153 | 28785 | 29417 | 30050 | 30682 | 30 |
| | 70 | 30682 | 31314 | 31946 | 32578 | 33210 | 33841 | 34473 | 35105 | 35736 | 36367 | 36999 | 20 |
| | 80 | 36999 | 37630 | 38261 | 38892 | 39523 | 40154 | 40784 | 41415 | 42045 | 42676 | 43306 | 10 |
| | 90 | 43306 | 43936 | 44567 | 45197 | 45827 | 46457 | 47086 | 47716 | 48346 | 48975 | 49605 | **31 oo** |
| **69** | **oo** | 8.03 49605 | 50234 | 50863 | 51492 | 52121 | 52750 | 53379 | 54008 | 54637 | 55265 | 55894 | 90 |
| | 10 | 55894 | 56522 | 57151 | 57779 | 58407 | 59035 | 59663 | 60291 | 60919 | 61547 | 62174 | 80 |
| | 20 | 62174 | 62802 | 63429 | 64056 | 64684 | 65311 | 65938 | 66565 | 67192 | 67819 | 68445 | 70 |
| | 30 | 68445 | 69072 | 69698 | 70325 | 70951 | 71578 | 72204 | 72830 | 73456 | 74082 | 74707 | 60 |
| | 40 | 74707 | 75333 | 75959 | 76584 | 77210 | 77835 | 78460 | 79086 | 79711 | 80336 | 80961 | 50 |
| | 50 | 80961 | 81585 | 82210 | 82835 | 83459 | 84084 | 84708 | 85332 | 85957 | 86581 | 87205 | 40 |
| | 60 | 87205 | 87829 | 88452 | 89076 | 89700 | 90323 | 90947 | 91570 | 92193 | 92817 | 93440 | 30 |
| | 70 | 93440 | 94063 | 94686 | 95309 | 95931 | 96554 | 97177 | 97799 | 98421 | 99044 | 99666 | 20 |
| | 80 | 8.03 99666 | *00288 | *00910 | *01532 | *02154 | *02776 | *03397 | *04019 | *04641 | *05262 | *05883 | 10 |
| | 90 | 8.04 05883 | 06505 | 07126 | 07747 | 08368 | 08989 | 09609 | 10230 | 10851 | 11471 | 12092 | **30 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $99^g\,30^c$ — log cos $99^g\,35^c$

## log tg $0^g\,65^c$ — log tg $0^g\,70^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **65** | **oo** | 8.00 90483 | 91151 | 91819 | 92487 | 93155 | 93823 | 94491 | 95158 | 95826 | 96493 | 97160 | 90 |
| | 10 | 8.00 97160 | 97827 | 98494 | 99161 | 99828 | *00495 | *01161 | *01828 | *02494 | *03160 | *03827 | 80 |
| | 20 | 8.01 03827 | 04493 | 05159 | 05825 | 06490 | 07156 | 07822 | 08487 | 09152 | 09818 | 10483 | 70 |
| | 30 | 10483 | 11148 | 11813 | 12478 | 13143 | 13807 | 14472 | 15136 | 15801 | 16465 | 17129 | 60 |
| | 40 | 17129 | 17793 | 18457 | 19121 | 19785 | 20448 | 21112 | 21775 | 22439 | 23102 | 23765 | 50 |
| | 50 | 23765 | 24428 | 25091 | 25754 | 26417 | 27079 | 27742 | 28404 | 29067 | 29729 | 30391 | 40 |
| | 60 | 30391 | 31053 | 31715 | 32377 | 33038 | 33700 | 34362 | 35023 | 35684 | 36346 | 37007 | 30 |
| | 70 | 37007 | 37668 | 38329 | 38989 | 39650 | 40311 | 40971 | 41632 | 42292 | 42952 | 43612 | 20 |
| | 80 | 43612 | 44272 | 44932 | 45592 | 46252 | 46911 | 47571 | 48230 | 48890 | 49549 | 50208 | 10 |
| | 90 | 50208 | 50867 | 51526 | 52185 | 52844 | 53502 | 54161 | 54819 | 55477 | 56136 | 56794 | **34 oo** |
| **66** | **oo** | 8.01 56794 | 57452 | 58110 | 58767 | 59425 | 60083 | 60740 | 61398 | 62055 | 62712 | 63369 | 90 |
| | 10 | 63369 | 64026 | 64683 | 65340 | 65997 | 66654 | 67310 | 67967 | 68623 | 69279 | 69935 | 80 |
| | 20 | 69935 | 70591 | 71247 | 71903 | 72559 | 73214 | 73870 | 74525 | 75181 | 75836 | 76491 | 70 |
| | 30 | 76491 | 77146 | 77801 | 78456 | 79111 | 79765 | 80420 | 81074 | 81729 | 82383 | 83037 | 60 |
| | 40 | 83037 | 83691 | 84345 | 84999 | 85653 | 86306 | 86960 | 87613 | 88267 | 88920 | 89573 | 50 |
| | 50 | 89573 | 90226 | 90879 | 91532 | 92185 | 92838 | 93490 | 94143 | 94795 | 95447 | 96100 | 40 |
| | 60 | 8.01 96100 | 96752 | 97404 | 98055 | 98707 | 99359 | *00011 | *00662 | *01314 | *01965 | *02616 | 30 |
| | 70 | 8.02 02616 | 03267 | 03918 | 04569 | 05220 | 05871 | 06521 | 07172 | 07822 | 08473 | 09123 | 20 |
| | 80 | 09123 | 09773 | 10423 | 11073 | 11723 | 12373 | 13022 | 13672 | 14321 | 14971 | 15620 | 10 |
| | 90 | 15620 | 16269 | 16918 | 17567 | 18216 | 18865 | 19513 | 20162 | 20810 | 21459 | 22107 | **33 oo** |
| **67** | **oo** | 8.02 22107 | 22755 | 23403 | 24051 | 24699 | 25347 | 25995 | 26643 | 27290 | 27937 | 28585 | 90 |
| | 10 | 28585 | 29232 | 29879 | 30526 | 31173 | 31820 | 32467 | 33113 | 33760 | 34406 | 35053 | 80 |
| | 20 | 35053 | 35699 | 36345 | 36991 | 37637 | 38283 | 38929 | 39575 | 40220 | 40866 | 41511 | 70 |
| | 30 | 41511 | 42157 | 42802 | 43447 | 44092 | 44737 | 45382 | 46026 | 46671 | 47316 | 47960 | 60 |
| | 40 | 47960 | 48604 | 49249 | 49893 | 50537 | 51181 | 51825 | 52468 | 53112 | 53756 | 54399 | 50 |
| | 50 | 54399 | 55043 | 55686 | 56329 | 56972 | 57615 | 58258 | 58901 | 59544 | 60186 | 60829 | 40 |
| | 60 | 60829 | 61471 | 62114 | 62756 | 63398 | 64040 | 64682 | 65324 | 65966 | 66608 | 67249 | 30 |
| | 70 | 67249 | 67891 | 68532 | 69173 | 69815 | 70456 | 71097 | 71738 | 72379 | 73019 | 73660 | 20 |
| | 80 | 73660 | 74300 | 74941 | 75581 | 76222 | 76862 | 77502 | 78142 | 78782 | 79421 | 80061 | 10 |
| | 90 | 80061 | 80701 | 81340 | 81980 | 82619 | 83258 | 83897 | 84536 | 85175 | 85814 | 86453 | **32 oo** |
| **68** | **oo** | 8.02 86453 | 87092 | 87730 | 88369 | 89007 | 89645 | 90284 | 90922 | 91560 | 92198 | 92836 | 90 |
| | 10 | 92836 | 93473 | 94111 | 94748 | 95386 | 96023 | 96661 | 97298 | 97935 | 98572 | 99209 | 80 |
| | 20 | 8.02 99209 | 99845 | *00482 | *01119 | *01755 | *02392 | *03028 | *03664 | *04300 | *04936 | *05572 | 70 |
| | 30 | 8.03 05572 | 06208 | 06844 | 07480 | 08115 | 08751 | 09386 | 10022 | 10657 | 11292 | 11927 | 60 |
| | 40 | 11927 | 12562 | 13197 | 13831 | 14466 | 15101 | 15735 | 16370 | 17004 | 17638 | 18272 | 50 |
| | 50 | 18272 | 18906 | 19540 | 20174 | 20808 | 21441 | 22075 | 22708 | 23342 | 23975 | 24608 | 40 |
| | 60 | 24608 | 25241 | 25874 | 26507 | 27140 | 27773 | 28405 | 29038 | 29670 | 30302 | 30935 | 30 |
| | 70 | 30935 | 31567 | 32199 | 32831 | 33463 | 34095 | 34726 | 35358 | 35989 | 36621 | 37252 | 20 |
| | 80 | 37252 | 37883 | 38515 | 39146 | 39777 | 40408 | 41038 | 41669 | 42300 | 42930 | 43561 | 10 |
| | 90 | 43561 | 44191 | 44821 | 45451 | 46081 | 46711 | 47341 | 47971 | 48601 | 49230 | 49860 | **31 oo** |
| **69** | **oo** | 8.03 49860 | 50489 | 51118 | 51748 | 52377 | 53006 | 53635 | 54264 | 54893 | 55521 | 56150 | 90 |
| | 10 | 56150 | 56778 | 57407 | 58035 | 58663 | 59291 | 59919 | 60547 | 61175 | 61803 | 62431 | 80 |
| | 20 | 62431 | 63058 | 63686 | 64313 | 64941 | 65568 | 66195 | 66822 | 67449 | 68076 | 68703 | 70 |
| | 30 | 68703 | 69329 | 69956 | 70582 | 71209 | 71835 | 72461 | 73088 | 73714 | 74340 | 74966 | 60 |
| | 40 | 74966 | 75591 | 76217 | 76843 | 77468 | 78094 | 78719 | 79344 | 79969 | 80594 | 81219 | 50 |
| | 50 | 81219 | 81844 | 82469 | 83094 | 83718 | 84343 | 84967 | 85592 | 86216 | 86840 | 87464 | 40 |
| | 60 | 87464 | 88088 | 88712 | 89336 | 89960 | 90583 | 91207 | 91830 | 92454 | 93077 | 93700 | 30 |
| | 70 | 93700 | 94323 | 94946 | 95569 | 96192 | 96815 | 97437 | 98060 | 98682 | 99305 | 99927 | 20 |
| | 80 | 8.03 99927 | *00549 | *01171 | *01793 | *02415 | *03037 | *03659 | *04281 | *04902 | *05524 | *06145 | 10 |
| | 90 | 8.04 06145 | 06766 | 07388 | 08009 | 08630 | 09251 | 09872 | 10492 | 11113 | 11734 | 12354 | **30 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $99^g\,30^c$ — log ctg $99^g\,35^c$

## log sin $0^g\,70^c$ — log sin $0^g\,75^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **70** | **00** | 8.04 12092 | 12712 | 13332 | 13952 | 14573 | 15193 | 15812 | 16432 | 17052 | 17672 | 18291 | | 90 |
| | 10 | 18291 | 18911 | 19530 | 20149 | 20769 | 21388 | 22007 | 22626 | 23244 | 23863 | 24482 | | 80 |
| | 20 | 24482 | 25100 | 25719 | 26337 | 26956 | 27574 | 28192 | 28810 | 29428 | 30046 | 30664 | | 70 |
| | 30 | 30664 | 31281 | 31899 | 32517 | 33134 | 33751 | 34369 | 34986 | 35603 | 36220 | 36837 | | 60 |
| | 40 | 36837 | 37454 | 38070 | 38687 | 39304 | 39920 | 40536 | 41153 | 41769 | 42385 | 43001 | | 50 |
| | 50 | 43001 | 43617 | 44233 | 44849 | 45464 | 46080 | 46696 | 47311 | 47926 | 48542 | 49157 | | 40 |
| | 60 | 49157 | 49772 | 50387 | 51002 | 51617 | 52231 | 52846 | 53460 | 54075 | 54689 | 55304 | | 30 |
| | 70 | 55304 | 55918 | 56532 | 57146 | 57760 | 58374 | 58988 | 59601 | 60215 | 60828 | 61442 | | 20 |
| | 80 | 61442 | 62055 | 62668 | 63282 | 63895 | 64508 | 65121 | 65733 | 66346 | 66959 | 67571 | | 10 |
| | 90 | 67571 | 68184 | 68796 | 69409 | 70021 | 70633 | 71245 | 71857 | 72469 | 73081 | 73692 | **29** | **00** |
| **71** | **00** | 8.04 73692 | 74304 | 74915 | 75527 | 76138 | 76749 | 77361 | 77972 | 78583 | 79194 | 79804 | | 90 |
| | 10 | 79804 | 80415 | 81026 | 81636 | 82247 | 82857 | 83468 | 84078 | 84688 | 85298 | 85908 | | 80 |
| | 20 | 85908 | 86518 | 87128 | 87738 | 88347 | 88957 | 89566 | 90176 | 90785 | 91394 | 92003 | | 70 |
| | 30 | 92003 | 92612 | 93221 | 93830 | 94439 | 95048 | 95656 | 96265 | 96873 | 97482 | 98090 | | 60 |
| | 40 | 8.04 98090 | 98698 | 99306 | 99914 | *00522 | *01130 | *01738 | *02345 | *02953 | *03560 | *04168 | | 50 |
| | 50 | 8.05 04168 | 04775 | 05382 | 05990 | 06597 | 07204 | 07811 | 08417 | 09024 | 09631 | 10237 | | 40 |
| | 60 | 10237 | 10844 | 11450 | 12057 | 12663 | 13269 | 13875 | 14481 | 15087 | 15693 | 16299 | | 30 |
| | 70 | 16299 | 16904 | 17510 | 18115 | 18721 | 19326 | 19931 | 20536 | 21141 | 21746 | 22351 | | 20 |
| | 80 | 22351 | 22956 | 23561 | 24165 | 24770 | 25374 | 25979 | 26583 | 27187 | 27791 | 28395 | | 10 |
| | 90 | 28395 | 28999 | 29603 | 30207 | 30811 | 31414 | 32018 | 32621 | 33225 | 33828 | 34431 | **28** | **00** |
| **72** | **00** | 8.05 34431 | 35034 | 35637 | 36240 | 36843 | 37446 | 38049 | 38651 | 39254 | 39856 | 40459 | | 90 |
| | 10 | 40459 | 41061 | 41663 | 42265 | 42867 | 43469 | 44071 | 44673 | 45274 | 45876 | 46478 | | 80 |
| | 20 | 46478 | 47079 | 47680 | 48282 | 48883 | 49484 | 50085 | 50686 | 51287 | 51888 | 52488 | | 70 |
| | 30 | 52488 | 53089 | 53690 | 54290 | 54890 | 55491 | 56091 | 56691 | 57291 | 57891 | 58491 | | 60 |
| | 40 | 58491 | 59091 | 59690 | 60290 | 60889 | 61489 | 62088 | 62688 | 63287 | 63886 | 64485 | | 50 |
| | 50 | 64485 | 65084 | 65683 | 66282 | 66880 | 67479 | 68077 | 68676 | 69274 | 69873 | 70471 | | 40 |
| | 60 | 70471 | 71069 | 71667 | 72265 | 72863 | 73461 | 74058 | 74656 | 75254 | 75851 | 76448 | | 30 |
| | 70 | 76448 | 77046 | 77643 | 78240 | 78837 | 79434 | 80031 | 80628 | 81225 | 81821 | 82418 | | 20 |
| | 80 | 82418 | 83014 | 83611 | 84207 | 84803 | 85400 | 85996 | 86592 | 87188 | 87783 | 88379 | | 10 |
| | 90 | 88379 | 88975 | 89570 | 90166 | 90761 | 91357 | 91952 | 92547 | 93142 | 93737 | 94332 | **27** | **00** |
| **73** | **00** | 8.05 94332 | 94927 | 95522 | 96117 | 96711 | 97306 | 97900 | 98494 | 99089 | 99683 | *00277 | | 90 |
| | 10 | 8.06 00277 | 00871 | 01465 | 02059 | 02653 | 03247 | 03840 | 04434 | 05027 | 05621 | 06214 | | 80 |
| | 20 | 06214 | 06807 | 07400 | 07993 | 08586 | 09179 | 09772 | 10365 | 10957 | 11550 | 12143 | | 70 |
| | 30 | 12143 | 12735 | 13327 | 13920 | 14512 | 15104 | 15696 | 16288 | 16880 | 17471 | 18063 | | 60 |
| | 40 | 18063 | 18655 | 19246 | 19838 | 20429 | 21020 | 21612 | 22203 | 22794 | 23385 | 23976 | | 50 |
| | 50 | 23976 | 24566 | 25157 | 25748 | 26338 | 26929 | 27519 | 28110 | 28700 | 29290 | 29880 | | 40 |
| | 60 | 29880 | 30470 | 31060 | 31650 | 32240 | 32829 | 33419 | 34009 | 34598 | 35187 | 35777 | | 30 |
| | 70 | 35777 | 36366 | 36955 | 37544 | 38133 | 38722 | 39311 | 39899 | 40488 | 41077 | 41665 | | 20 |
| | 80 | 41665 | 42254 | 42842 | 43430 | 44018 | 44606 | 45194 | 45782 | 46370 | 46958 | 47546 | | 10 |
| | 90 | 47546 | 48133 | 48721 | 49308 | 49896 | 50483 | 51070 | 51657 | 52244 | 52831 | 53418 | **26** | **00** |
| **74** | **00** | 8.06 53418 | 54005 | 54592 | 55178 | 55765 | 56351 | 56938 | 57524 | 58110 | 58697 | 59283 | | 90 |
| | 10 | 59283 | 59869 | 60455 | 61041 | 61626 | 62212 | 62798 | 63383 | 63969 | 64554 | 65139 | | 80 |
| | 20 | 65139 | 65725 | 66310 | 66895 | 67480 | 68065 | 68650 | 69234 | 69819 | 70404 | 70988 | | 70 |
| | 30 | 70988 | 71573 | 72157 | 72741 | 73326 | 73910 | 74494 | 75078 | 75662 | 76246 | 76829 | | 60 |
| | 40 | 76829 | 77413 | 77997 | 78580 | 79163 | 79747 | 80330 | 80913 | 81496 | 82079 | 82662 | | 50 |
| | 50 | 82662 | 83245 | 83828 | 84411 | 84993 | 85576 | 86158 | 86741 | 87323 | 87905 | 88488 | | 40 |
| | 60 | 88488 | 89070 | 89652 | 90234 | 90816 | 91397 | 91979 | 92561 | 93142 | 93724 | 94305 | | 30 |
| | 70 | 8.06 94305 | 94886 | 95468 | 96049 | 96630 | 97211 | 97792 | 98373 | 98954 | 99534 | *00115 | | 20 |
| | 80 | 8.07 00115 | 00695 | 01276 | 01856 | 02437 | 03017 | 03597 | 04177 | 04757 | 05337 | 05917 | | 10 |
| | 90 | 8.07 05917 | 06497 | 07076 | 07656 | 08235 | 08815 | 09394 | 09973 | 10553 | 11132 | 11711 | **25** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $99^g\,25^c$ — log cos $99^g\,30^c$

## log tg $0^g\,70^c$ — log tg $0^g\,75^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **70** | **oo** | 8.04 12354 | 12975 | 13595 | 14215 | 14835 | 15455 | 16075 | 16695 | 17315 | 17935 | 18554 | 90 |
| | 10 | 18554 | 19174 | 19793 | 20413 | 21032 | 21651 | 22270 | 22889 | 23508 | 24127 | 24746 | 80 |
| | 20 | 24746 | 25365 | 25983 | 26602 | 27220 | 27838 | 28457 | 29075 | 29693 | 30311 | 30929 | 70 |
| | 30 | 30929 | 31546 | 32164 | 32782 | 33399 | 34017 | 34634 | 35251 | 35868 | 36485 | 37102 | 60 |
| | 40 | 37102 | 37719 | 38336 | 38953 | 39569 | 40186 | 40802 | 41419 | 42035 | 42651 | 43267 | 50 |
| | 50 | 43267 | 43884 | 44499 | 45115 | 45731 | 46347 | 46962 | 47578 | 48193 | 48809 | 49424 | 40 |
| | 60 | 49424 | 50039 | 50654 | 51269 | 51884 | 52499 | 53113 | 53728 | 54343 | 54957 | 55571 | 30 |
| | 70 | 55571 | 56186 | 56800 | 57414 | 58028 | 58642 | 59256 | 59870 | 60483 | 61097 | 61710 | 20 |
| | 80 | 61710 | 62324 | 62937 | 63550 | 64164 | 64777 | 65390 | 66003 | 66615 | 67228 | 67841 | 10 |
| | 90 | 67841 | 68453 | 69066 | 69678 | 70290 | 70903 | 71515 | 72127 | 72739 | 73351 | 73962 | **29 oo** |
| **71** | **oo** | 8.04 73962 | 74574 | 75186 | 75797 | 76409 | 77020 | 77631 | 78242 | 78853 | 79464 | 80075 | 90 |
| | 10 | 80075 | 80686 | 81297 | 81908 | 82518 | 83129 | 83739 | 84349 | 84960 | 85570 | 86180 | 80 |
| | 20 | 86180 | 86790 | 87400 | 88009 | 88619 | 89229 | 89838 | 90448 | 91057 | 91666 | 92276 | 70 |
| | 30 | 92276 | 92885 | 93494 | 94103 | 94712 | 95320 | 95929 | 96538 | 97146 | 97755 | 98363 | 60 |
| | 40 | 8.04 98363 | 98971 | 99579 | *00188 | *00796 | *01403 | *02011 | *02619 | *03227 | *03834 | *04442 | 50 |
| | 50 | 8.05 04442 | 05049 | 05657 | 06264 | 06871 | 07478 | 08085 | 08692 | 09299 | 09905 | 10512 | 40 |
| | 60 | 10512 | 11119 | 11725 | 12332 | 12938 | 13544 | 14150 | 14756 | 15362 | 15968 | 16574 | 30 |
| | 70 | 16574 | 17180 | 17785 | 18391 | 18996 | 19602 | 20207 | 20812 | 21417 | 22022 | 22627 | 20 |
| | 80 | 22627 | 23232 | 23837 | 24442 | 25046 | 25651 | 26255 | 26860 | 27464 | 28068 | 28672 | 10 |
| | 90 | 28672 | 29276 | 29880 | 30484 | 31088 | 31692 | 32295 | 32899 | 33502 | 34106 | 34709 | **28 oo** |
| **72** | **oo** | 8.05 34709 | 35312 | 35915 | 36518 | 37121 | 37724 | 38327 | 38930 | 39532 | 40135 | 40737 | 90 |
| | 10 | 40737 | 41339 | 41942 | 42544 | 43146 | 43748 | 44350 | 44952 | 45554 | 46155 | 46757 | 80 |
| | 20 | 46757 | 47358 | 47960 | 48561 | 49163 | 49764 | 50365 | 50966 | 51567 | 52168 | 52768 | 70 |
| | 30 | 52768 | 53369 | 53970 | 54570 | 55171 | 55771 | 56371 | 56972 | 57572 | 58172 | 58772 | 60 |
| | 40 | 58772 | 59372 | 59971 | 60571 | 61171 | 61770 | 62370 | 62969 | 63568 | 64167 | 64767 | 50 |
| | 50 | 64767 | 65366 | 65965 | 66563 | 67162 | 67761 | 68360 | 68958 | 69557 | 70155 | 70753 | 40 |
| | 60 | 70753 | 71351 | 71950 | 72548 | 73146 | 73743 | 74341 | 74939 | 75537 | 76134 | 76732 | 30 |
| | 70 | 76732 | 77329 | 77926 | 78524 | 79121 | 79718 | 80315 | 80912 | 81508 | 82105 | 82702 | 20 |
| | 80 | 82702 | 83298 | 83895 | 84491 | 85088 | 85684 | 86280 | 86876 | 87472 | 88068 | 88664 | 10 |
| | 90 | 88664 | 89260 | 89855 | 90451 | 91046 | 91642 | 92237 | 92832 | 93428 | 94023 | 94618 | **27 oo** |
| **73** | **oo** | 8.05 94618 | 95213 | 95808 | 96402 | 96997 | 97592 | 98186 | 98781 | 99375 | 99969 | *00563 | 90 |
| | 10 | 8.06 00563 | 01158 | 01752 | 02346 | 02939 | 03533 | 04127 | 04721 | 05314 | 05908 | 06501 | 80 |
| | 20 | 06501 | 07094 | 07688 | 08281 | 08874 | 09467 | 10060 | 10652 | 11245 | 11838 | 12430 | 70 |
| | 30 | 12430 | 13023 | 13615 | 14208 | 14800 | 15392 | 15984 | 16576 | 17168 | 17760 | 18352 | 60 |
| | 40 | 18352 | 18944 | 19535 | 20127 | 20718 | 21309 | 21901 | 22492 | 23083 | 23674 | 24265 | 50 |
| | 50 | 24265 | 24856 | 25447 | 26038 | 26628 | 27219 | 27809 | 28400 | 28990 | 29580 | 30170 | 40 |
| | 60 | 30170 | 30760 | 31351 | 31940 | 32530 | 33120 | 33710 | 34299 | 34889 | 35478 | 36068 | 30 |
| | 70 | 36068 | 36657 | 37246 | 37835 | 38424 | 39013 | 39602 | 40191 | 40780 | 41368 | 41957 | 20 |
| | 80 | 41957 | 42545 | 43134 | 43722 | 44310 | 44899 | 45487 | 46075 | 46663 | 47250 | 47838 | 10 |
| | 90 | 47838 | 48426 | 49014 | 49601 | 50189 | 50776 | 51363 | 51950 | 52538 | 53125 | 53712 | **26 oo** |
| **74** | **oo** | 8.06 53712 | 54298 | 54885 | 55472 | 56059 | 56645 | 57232 | 57818 | 58405 | 58991 | 59577 | 90 |
| | 10 | 59577 | 60163 | 60749 | 61335 | 61921 | 62507 | 63092 | 63678 | 64264 | 64849 | 65434 | 80 |
| | 20 | 65434 | 66020 | 66605 | 67190 | 67775 | 68360 | 68945 | 69530 | 70115 | 70699 | 71284 | 70 |
| | 30 | 71284 | 71869 | 72453 | 73037 | 73622 | 74206 | 74790 | 75374 | 75958 | 76542 | 77126 | 60 |
| | 40 | 77126 | 77710 | 78293 | 78877 | 79460 | 80044 | 80627 | 81210 | 81794 | 82377 | 82960 | 50 |
| | 50 | 82960 | 83543 | 84126 | 84708 | 85291 | 85874 | 86456 | 87039 | 87621 | 88204 | 88786 | 40 |
| | 60 | 88786 | 89368 | 89950 | 90532 | 91114 | 91696 | 92278 | 92859 | 93441 | 94023 | 94604 | 30 |
| | 70 | 8.06 94604 | 95186 | 95767 | 96348 | 96929 | 97510 | 98091 | 98672 | 99253 | 99834 | *00415 | 20 |
| | 80 | 8.07 00415 | 00995 | 01576 | 02156 | 02737 | 03317 | 03897 | 04477 | 05057 | 05637 | 06217 | 10 |
| | 90 | 8.07 06217 | 06797 | 07377 | 07957 | 08536 | 09116 | 09695 | 10275 | 10854 | 11433 | 12012 | **25 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $99^g\,25^c$ — log ctg $99^g\,30^c$

## log sin $0^g\,75^c$ — log sin $0^g\,80^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **75** | **oo** | 8.07 11711 | 12290 | 12869 | 13448 | 14026 | 14605 | 15184 | 15762 | 16341 | 16919 | 17497 | 90 |
| | 10 | 17497 | 18076 | 18654 | 19232 | 19810 | 20388 | 20966 | 21543 | 22121 | 22699 | 23276 | 80 |
| | 20 | 23276 | 23854 | 24431 | 25008 | 25586 | 26163 | 26740 | 27317 | 27894 | 28471 | 29047 | 70 |
| | 30 | 29047 | 29624 | 30201 | 30777 | 31354 | 31930 | 32506 | 33082 | 33659 | 34235 | 34811 | 60 |
| | 40 | 34811 | 35387 | 35962 | 36538 | 37114 | 37690 | 38265 | 38841 | 39416 | 39991 | 40566 | 50 |
| | 50 | 40566 | 41142 | 41717 | 42292 | 42867 | 43442 | 44016 | 44591 | 45166 | 45740 | 46315 | 40 |
| | 60 | 46315 | 46889 | 47463 | 48038 | 48612 | 49186 | 49760 | 50334 | 50908 | 51482 | 52055 | 30 |
| | 70 | 52055 | 52629 | 53202 | 53776 | 54349 | 54923 | 55496 | 56069 | 56642 | 57215 | 57788 | 20 |
| | 80 | 57788 | 58361 | 58934 | 59507 | 60079 | 60652 | 61224 | 61797 | 62369 | 62941 | 63514 | 10 |
| | 90 | 63514 | 64086 | 64658 | 65230 | 65802 | 66374 | 66945 | 67517 | 68089 | 68660 | 69232 | **24 oo** |
| **76** | **oo** | 8.07 69232 | 69803 | 70374 | 70945 | 71517 | 72088 | 72659 | 73230 | 73800 | 74371 | 74942 | 90 |
| | 10 | 74942 | 75513 | 76083 | 76654 | 77224 | 77794 | 78365 | 78935 | 79505 | 80075 | 80645 | 80 |
| | 20 | 80645 | 81215 | 81784 | 82354 | 82924 | 83493 | 84063 | 84632 | 85202 | 85771 | 86340 | 70 |
| | 30 | 86340 | 86909 | 87478 | 88047 | 88616 | 89185 | 89754 | 90323 | 90891 | 91460 | 92028 | 60 |
| | 40 | 92028 | 92596 | 93165 | 93733 | 94301 | 94869 | 95437 | 96005 | 96573 | 97141 | 97709 | 50 |
| | 50 | 8.07 97709 | 98276 | 98844 | 99411 | 99979 | *00546 | *01113 | *01681 | *02248 | *02815 | *03382 | 40 |
| | 60 | 8.08 03382 | 03949 | 04515 | 05082 | 05649 | 06215 | 06782 | 07348 | 07915 | 08481 | 09047 | 30 |
| | 70 | 09047 | 09614 | 10180 | 10746 | 11312 | 11877 | 12443 | 13009 | 13575 | 14140 | 14706 | 20 |
| | 80 | 14706 | 15271 | 15836 | 16402 | 16967 | 17532 | 18097 | 18662 | 19227 | 19792 | 20357 | 10 |
| | 90 | 20357 | 20921 | 21486 | 22050 | 22615 | 23179 | 23744 | 24308 | 24872 | 25436 | 26000 | **23 oo** |
| **77** | **oo** | 8.08 26000 | 26564 | 27128 | 27692 | 28256 | 28819 | 29383 | 29946 | 30510 | 31073 | 31636 | 90 |
| | 10 | 31636 | 32200 | 32763 | 33326 | 33889 | 34452 | 35015 | 35577 | 36140 | 36703 | 37265 | 80 |
| | 20 | 37265 | 37828 | 38390 | 38953 | 39515 | 40077 | 40639 | 41201 | 41763 | 42325 | 42887 | 70 |
| | 30 | 42887 | 43449 | 44010 | 44572 | 45134 | 45695 | 46256 | 46818 | 47379 | 47940 | 48501 | 60 |
| | 40 | 48501 | 49062 | 49623 | 50184 | 50745 | 51306 | 51867 | 52427 | 52988 | 53548 | 54109 | 50 |
| | 50 | 54109 | 54669 | 55229 | 55789 | 56349 | 56909 | 57469 | 58029 | 58589 | 59149 | 59708 | 40 |
| | 60 | 59708 | 60268 | 60828 | 61387 | 61946 | 62506 | 63065 | 63624 | 64183 | 64742 | 65301 | 30 |
| | 70 | 65301 | 65860 | 66419 | 66978 | 67536 | 68095 | 68653 | 69212 | 69770 | 70328 | 70887 | 20 |
| | 80 | 70887 | 71445 | 72003 | 72561 | 73119 | 73677 | 74234 | 74792 | 75350 | 75907 | 76465 | 10 |
| | 90 | 76465 | 77022 | 77580 | 78137 | 78694 | 79251 | 79809 | 80366 | 80922 | 81479 | 82036 | **22 oo** |
| **78** | **oo** | 8.08 82036 | 82593 | 83150 | 83706 | 84263 | 84819 | 85375 | 85932 | 86488 | 87044 | 87600 | 90 |
| | 10 | 87600 | 88156 | 88712 | 89268 | 89824 | 90380 | 90935 | 91491 | 92046 | 92602 | 93157 | 80 |
| | 20 | 93157 | 93712 | 94268 | 94823 | 95378 | 95933 | 96488 | 97043 | 97598 | 98152 | 98707 | 70 |
| | 30 | 8.08 98707 | 99261 | 99816 | *00370 | *00925 | *01479 | *02033 | *02588 | *03142 | *03696 | *04250 | 60 |
| | 40 | 8.09 04250 | 04804 | 05357 | 05911 | 06465 | 07018 | 07572 | 08125 | 08679 | 09232 | 09785 | 50 |
| | 50 | 09785 | 10338 | 10892 | 11445 | 11998 | 12550 | 13103 | 13656 | 14209 | 14761 | 15314 | 40 |
| | 60 | 15314 | 15866 | 16419 | 16971 | 17523 | 18076 | 18628 | 19180 | 19732 | 20284 | 20835 | 30 |
| | 70 | 20835 | 21387 | 21939 | 22491 | 23042 | 23594 | 24145 | 24696 | 25248 | 25799 | 26350 | 20 |
| | 80 | 26350 | 26901 | 27452 | 28003 | 28554 | 29105 | 29655 | 30206 | 30757 | 31307 | 31858 | 10 |
| | 90 | 31858 | 32408 | 32958 | 33509 | 34059 | 34609 | 35159 | 35709 | 36259 | 36808 | 37358 | **21 oo** |
| **79** | **oo** | 8.09 37358 | 37908 | 38458 | 39007 | 39557 | 40106 | 40655 | 41204 | 41754 | 42303 | 42852 | 90 |
| | 10 | 42852 | 43401 | 43950 | 44499 | 45047 | 45596 | 46145 | 46693 | 47242 | 47790 | 48339 | 80 |
| | 20 | 48339 | 48887 | 49435 | 49983 | 50531 | 51079 | 51627 | 52175 | 52723 | 53271 | 53818 | 70 |
| | 30 | 53818 | 54366 | 54913 | 55461 | 56008 | 56556 | 57103 | 57650 | 58197 | 58744 | 59291 | 60 |
| | 40 | 59291 | 59838 | 60385 | 60932 | 61478 | 62025 | 62572 | 63118 | 63665 | 64211 | 64757 | 50 |
| | 50 | 64757 | 65303 | 65850 | 66396 | 66942 | 67488 | 68033 | 68579 | 69125 | 69671 | 70216 | 40 |
| | 60 | 70216 | 70762 | 71307 | 71853 | 72398 | 72943 | 73488 | 74034 | 74579 | 75124 | 75669 | 30 |
| | 70 | 75669 | 76213 | 76758 | 77303 | 77848 | 78392 | 78937 | 79481 | 80025 | 80570 | 81114 | 20 |
| | 80 | 81114 | 81658 | 82202 | 82746 | 83290 | 83834 | 84378 | 84922 | 85465 | 86009 | 86553 | 10 |
| | 90 | 8.09 86553 | 87096 | 87639 | 88183 | 88726 | 89269 | 89812 | 90356 | 90899 | 91441 | 91984 | **20 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $99^g\,20^c$ — log cos $99^g\,25^c$

## log tg $0^g\,75^c$ — log tg $0^g\,80^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | c | cc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **75** | **00** | 8.07 12012 | 12591 | 13170 | 13749 | 14328 | 14907 | 15486 | 16064 | 16643 | 17221 | 17800 | | 90 |
| | 10 | 17800 | 18378 | 18956 | 19534 | 20112 | 20690 | 21268 | 21846 | 22424 | 23002 | 23579 | | 80 |
| | 20 | 23579 | 24157 | 24734 | 25312 | 25889 | 26466 | 27043 | 27620 | 28197 | 28774 | 29351 | | 70 |
| | 30 | 29351 | 29928 | 30505 | 31081 | 31658 | 32234 | 32811 | 33387 | 33963 | 34539 | 35115 | | 60 |
| | 40 | 35115 | 35691 | 36267 | 36843 | 37419 | 37995 | 38570 | 39146 | 39721 | 40297 | 40872 | | 50 |
| | 50 | 40872 | 41447 | 42022 | 42597 | 43172 | 43747 | 44322 | 44897 | 45472 | 46046 | 46621 | | 40 |
| | 60 | 46621 | 47195 | 47770 | 48344 | 48918 | 49493 | 50067 | 50641 | 51215 | 51788 | 52362 | | 30 |
| | 70 | 52362 | 52936 | 53510 | 54083 | 54657 | 55230 | 55803 | 56377 | 56950 | 57523 | 58096 | | 20 |
| | 80 | 58096 | 58669 | 59242 | 59815 | 60387 | 60960 | 61533 | 62105 | 62678 | 63250 | 63822 | | 10 |
| | 90 | 63822 | 64395 | 64967 | 65539 | 66111 | 66683 | 67254 | 67826 | 68398 | 68969 | 69541 | **24** | **00** |
| **76** | **00** | 8.07 69541 | 70112 | 70684 | 71255 | 71826 | 72398 | 72969 | 73540 | 74111 | 74681 | 75252 | | 90 |
| | 10 | 75252 | 75823 | 76394 | 76964 | 77535 | 78105 | 78675 | 79246 | 79816 | 80386 | 80956 | | 80 |
| | 20 | 80956 | 81526 | 82096 | 82666 | 83235 | 83805 | 84375 | 84944 | 85513 | 86083 | 86652 | | 70 |
| | 30 | 86652 | 87221 | 87790 | 88360 | 88928 | 89497 | 90066 | 90635 | 91204 | 91772 | 92341 | | 60 |
| | 40 | 92341 | 92909 | 93478 | 94046 | 94614 | 95182 | 95751 | 96319 | 96886 | 97454 | 98022 | | 50 |
| | 50 | 8.07 98022 | 98590 | 99158 | 99725 | *00293 | *00860 | *01427 | *01995 | *02562 | *03129 | *03696 | | 40 |
| | 60 | 8.08 03696 | 04263 | 04830 | 05397 | 05964 | 06530 | 07097 | 07663 | 08230 | 08796 | 09363 | | 30 |
| | 70 | 09363 | 09929 | 10495 | 11061 | 11627 | 12193 | 12759 | 13325 | 13890 | 14456 | 15022 | | 20 |
| | 80 | 15022 | 15587 | 16153 | 16718 | 17283 | 17848 | 18414 | 18979 | 19544 | 20109 | 20673 | | 10 |
| | 90 | 20673 | 21238 | 21803 | 22367 | 22932 | 23497 | 24061 | 24625 | 25190 | 25754 | 26318 | **23** | **00** |
| **77** | **00** | 8.08 26318 | 26882 | 27446 | 28010 | 28574 | 29137 | 29701 | 30265 | 30828 | 31392 | 31955 | | 90 |
| | 10 | 31955 | 32518 | 33081 | 33645 | 34208 | 34771 | 35334 | 35896 | 36459 | 37022 | 37585 | | 80 |
| | 20 | 37585 | 38147 | 38710 | 39272 | 39835 | 40397 | 40959 | 41521 | 42083 | 42645 | 43207 | | 70 |
| | 30 | 43207 | 43769 | 44331 | 44892 | 45454 | 46016 | 46577 | 47139 | 47700 | 48261 | 48822 | | 60 |
| | 40 | 48822 | 49383 | 49945 | 50506 | 51066 | 51627 | 52188 | 52749 | 53309 | 53870 | 54430 | | 50 |
| | 50 | 54430 | 54991 | 55551 | 56111 | 56672 | 57232 | 57792 | 58352 | 58912 | 59471 | 60031 | | 40 |
| | 60 | 60031 | 60591 | 61150 | 61710 | 62269 | 62829 | 63388 | 63947 | 64506 | 65066 | 65625 | | 30 |
| | 70 | 65625 | 66184 | 66742 | 67301 | 67860 | 68419 | 68977 | 69536 | 70094 | 70653 | 71211 | | 20 |
| | 80 | 71211 | 71769 | 72327 | 72885 | 73443 | 74001 | 74559 | 75117 | 75675 | 76233 | 76790 | | 10 |
| | 90 | 76790 | 77348 | 77905 | 78462 | 79020 | 79577 | 80134 | 80691 | 81248 | 81805 | 82362 | **22** | **00** |
| **78** | **00** | 8.08 82362 | 82919 | 83476 | 84032 | 84589 | 85145 | 85702 | 86258 | 86815 | 87371 | 87927 | | 90 |
| | 10 | 87927 | 88483 | 89039 | 89595 | 90151 | 90707 | 91262 | 91818 | 92374 | 92929 | 93485 | | 80 |
| | 20 | 93485 | 94040 | 94595 | 95151 | 95706 | 96261 | 96816 | 97371 | 97926 | 98481 | 99035 | | 70 |
| | 30 | 8.08 99035 | 99590 | *00145 | *00699 | *01254 | *01808 | *02362 | *02917 | *03471 | *04025 | *04579 | | 60 |
| | 40 | 8.09 04579 | 05133 | 05687 | 06241 | 06794 | 07348 | 07902 | 08455 | 09009 | 09562 | 10115 | | 50 |
| | 50 | 10115 | 10669 | 11222 | 11775 | 12328 | 12881 | 13434 | 13987 | 14540 | 15092 | 15645 | | 40 |
| | 60 | 15645 | 16197 | 16750 | 17302 | 17855 | 18407 | 18959 | 19511 | 20063 | 20615 | 21167 | | 30 |
| | 70 | 21167 | 21719 | 22271 | 22823 | 23374 | 23926 | 24477 | 25029 | 25580 | 26132 | 26683 | | 20 |
| | 80 | 26683 | 27234 | 27785 | 28336 | 28887 | 29438 | 29989 | 30539 | 31090 | 31641 | 32191 | | 10 |
| | 90 | 32191 | 32742 | 33292 | 33842 | 34393 | 34943 | 35493 | 36043 | 36593 | 37143 | 37693 | **21** | **00** |
| **79** | **00** | 8.09 37693 | 38242 | 38792 | 39342 | 39891 | 40441 | 40990 | 41539 | 42089 | 42638 | 43187 | | 90 |
| | 10 | 43187 | 43736 | 44285 | 44834 | 45383 | 45932 | 46480 | 47029 | 47578 | 48126 | 48675 | | 80 |
| | 20 | 48675 | 49223 | 49771 | 50320 | 50868 | 51416 | 51964 | 52512 | 53060 | 53608 | 54155 | | 70 |
| | 30 | 54155 | 54703 | 55251 | 55798 | 56346 | 56893 | 57440 | 57988 | 58535 | 59082 | 59629 | | 60 |
| | 40 | 59629 | 60176 | 60723 | 61270 | 61817 | 62363 | 62910 | 63456 | 64003 | 64549 | 65096 | | 50 |
| | 50 | 65096 | 65642 | 66188 | 66735 | 67281 | 67827 | 68373 | 68919 | 69464 | 70010 | 70556 | | 40 |
| | 60 | 70556 | 71101 | 71647 | 72192 | 72738 | 73283 | 73828 | 74374 | 74919 | 75464 | 76009 | | 30 |
| | 70 | 76009 | 76554 | 77099 | 77643 | 78188 | 78733 | 79277 | 79822 | 80366 | 80911 | 81455 | | 20 |
| | 80 | 81455 | 81999 | 82544 | 83088 | 83632 | 84176 | 84720 | 85263 | 85807 | 86351 | 86895 | | 10 |
| | 90 | 8.09 86895 | 87438 | 87982 | 88525 | 89068 | 89612 | 90155 | 90698 | 91241 | 91784 | 92327 | **20** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $99^g\,20^c$ — log ctg $99^g\,25^c$

## log sin $0^g\,80^c$ — log sin $0^g\,85^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **80** | **oo** | 8.09 91984 | 92527 | 93070 | 93613 | 94155 | 94698 | 95240 | 95783 | 96325 | 96867 | 97409 | 90 |
| | 10 | 8.09 97409 | 97951 | 98494 | 99036 | 99577 | *00119 | *00661 | *01203 | *01744 | *02286 | *02828 | 80 |
| | 20 | 8.10 02828 | 03369 | 03910 | 04452 | 04993 | 05534 | 06075 | 06616 | 07157 | 07698 | 08239 | 70 |
| | 30 | 08239 | 08780 | 09321 | 09861 | 10402 | 10942 | 11483 | 12023 | 12563 | 13104 | 13644 | 60 |
| | 40 | 13644 | 14184 | 14724 | 15264 | 15804 | 16344 | 16883 | 17423 | 17963 | 18502 | 19042 | 50 |
| | 50 | 19042 | 19581 | 20121 | 20660 | 21199 | 21738 | 22277 | 22816 | 23355 | 23894 | 24433 | 40 |
| | 60 | 24433 | 24972 | 25511 | 26049 | 26588 | 27126 | 27665 | 28203 | 28741 | 29280 | 29818 | 30 |
| | 70 | 29818 | 30356 | 30894 | 31432 | 31970 | 32508 | 33045 | 33583 | 34121 | 34658 | 35196 | 20 |
| | 80 | 35196 | 35733 | 36271 | 36808 | 37345 | 37882 | 38419 | 38956 | 39493 | 40030 | 40567 | 10 |
| | 90 | 40567 | 41104 | 41641 | 42177 | 42714 | 43250 | 43787 | 44323 | 44859 | 45396 | 45932 | **19 oo** |
| **81** | **oo** | 8.10 45932 | 46468 | 47004 | 47540 | 48076 | 48612 | 49147 | 49683 | 50219 | 50754 | 51290 | 90 |
| | 10 | 51290 | 51825 | 52361 | 52896 | 53431 | 53966 | 54502 | 55037 | 55572 | 56106 | 56641 | 80 |
| | 20 | 56641 | 57176 | 57711 | 58245 | 58780 | 59315 | 59849 | 60383 | 60918 | 61452 | 61986 | 70 |
| | 30 | 61986 | 62520 | 63054 | 63588 | 64122 | 64656 | 65190 | 65724 | 66257 | 66791 | 67324 | 60 |
| | 40 | 67324 | 67858 | 68391 | 68925 | 69458 | 69991 | 70524 | 71057 | 71590 | 72123 | 72656 | 50 |
| | 50 | 72656 | 73189 | 73722 | 74254 | 74787 | 75320 | 75852 | 76385 | 76917 | 77449 | 77981 | 40 |
| | 60 | 77981 | 78514 | 79046 | 79578 | 80110 | 80642 | 81173 | 81705 | 82237 | 82769 | 83300 | 30 |
| | 70 | 83300 | 83832 | 84363 | 84894 | 85426 | 85957 | 86488 | 87019 | 87550 | 88081 | 88612 | 20 |
| | 80 | 88612 | 89143 | 89674 | 90205 | 90735 | 91266 | 91796 | 92327 | 92857 | 93388 | 93918 | 10 |
| | 90 | 93918 | 94448 | 94978 | 95508 | 96038 | 96568 | 97098 | 97628 | 98158 | 98688 | 99217 | **18 oo** |
| **82** | **oo** | 8.10 99217 | 99747 | *00276 | *00806 | *01335 | *01864 | *02394 | *02923 | *03452 | *03981 | *04510 | 90 |
| | 10 | 8.11 04510 | 05039 | 05568 | 06097 | 06625 | 07154 | 07683 | 08211 | 08740 | 09268 | 09796 | 80 |
| | 20 | 09796 | 10325 | 10853 | 11381 | 11909 | 12437 | 12965 | 13493 | 14021 | 14548 | 15076 | 70 |
| | 30 | 15076 | 15604 | 16131 | 16659 | 17186 | 17714 | 18241 | 18768 | 19295 | 19823 | 20350 | 60 |
| | 40 | 20350 | 20877 | 21404 | 21930 | 22457 | 22984 | 23511 | 24037 | 24564 | 25090 | 25617 | 50 |
| | 50 | 25617 | 26143 | 26669 | 27196 | 27722 | 28248 | 28774 | 29300 | 29826 | 30352 | 30877 | 40 |
| | 60 | 30877 | 31403 | 31929 | 32454 | 32980 | 33505 | 34031 | 34556 | 35081 | 35607 | 36132 | 30 |
| | 70 | 36132 | 36657 | 37182 | 37707 | 38232 | 38756 | 39281 | 39806 | 40331 | 40855 | 41380 | 20 |
| | 80 | 41380 | 41904 | 42429 | 42953 | 43477 | 44001 | 44525 | 45050 | 45574 | 46097 | 46621 | 10 |
| | 90 | 46621 | 47145 | 47669 | 48193 | 48716 | 49240 | 49763 | 50287 | 50810 | 51333 | 51857 | **17 oo** |
| **83** | **oo** | 8.11 51857 | 52380 | 52903 | 53426 | 53949 | 54472 | 54995 | 55518 | 56040 | 56563 | 57086 | 90 |
| | 10 | 57086 | 57608 | 58131 | 58653 | 59176 | 59698 | 60220 | 60742 | 61264 | 61786 | 62308 | 80 |
| | 20 | 62308 | 62830 | 63352 | 63874 | 64396 | 64917 | 65439 | 65961 | 66482 | 67003 | 67525 | 70 |
| | 30 | 67525 | 68046 | 68567 | 69089 | 69610 | 70131 | 70652 | 71173 | 71694 | 72214 | 72735 | 60 |
| | 40 | 72735 | 73256 | 73776 | 74297 | 74817 | 75338 | 75858 | 76378 | 76899 | 77419 | 77939 | 50 |
| | 50 | 77939 | 78459 | 78979 | 79499 | 80019 | 80539 | 81058 | 81578 | 82098 | 82617 | 83137 | 40 |
| | 60 | 83137 | 83656 | 84176 | 84695 | 85214 | 85733 | 86252 | 86771 | 87290 | 87809 | 88328 | 30 |
| | 70 | 88328 | 88847 | 89366 | 89884 | 90403 | 90922 | 91440 | 91959 | 92477 | 92995 | 93514 | 20 |
| | 80 | 93514 | 94032 | 94550 | 95068 | 95586 | 96104 | 96622 | 97140 | 97657 | 98175 | 98693 | 10 |
| | 90 | 8.11 98693 | 99210 | 99728 | *00245 | *00763 | *01280 | *01797 | *02314 | *02832 | *03349 | *03866 | **16 oo** |
| **84** | **oo** | 8.12 03866 | 04383 | 04899 | 05416 | 05933 | 06450 | 06966 | 07483 | 08000 | 08516 | 09032 | 90 |
| | 10 | 09032 | 09549 | 10065 | 10581 | 11097 | 11614 | 12130 | 12646 | 13161 | 13677 | 14193 | 80 |
| | 20 | 14193 | 14709 | 15224 | 15740 | 16256 | 16771 | 17287 | 17802 | 18317 | 18832 | 19348 | 70 |
| | 30 | 19348 | 19863 | 20378 | 20893 | 21408 | 21923 | 22437 | 22952 | 23467 | 23981 | 24496 | 60 |
| | 40 | 24496 | 25011 | 25525 | 26039 | 26554 | 27068 | 27582 | 28096 | 28610 | 29124 | 29638 | 50 |
| | 50 | 29638 | 30152 | 30666 | 31180 | 31694 | 32207 | 32721 | 33234 | 33748 | 34261 | 34775 | 40 |
| | 60 | 34775 | 35288 | 35801 | 36314 | 36827 | 37340 | 37853 | 38366 | 38879 | 39392 | 39905 | 30 |
| | 70 | 39905 | 40417 | 40930 | 41443 | 41955 | 42468 | 42980 | 43492 | 44005 | 44517 | 45029 | 20 |
| | 80 | 45029 | 45541 | 46053 | 46565 | 47077 | 47589 | 48100 | 48612 | 49124 | 49635 | 50147 | 10 |
| | 90 | 8.12 50147 | 50658 | 51170 | 51681 | 52192 | 52704 | 53215 | 53726 | 54237 | 54748 | 55259 | **15 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $99^g\,15^c$ — log cos $99^g\,20^c$

## log tg $0^g\,80^c$ — log tg $0^g\,85^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **80** | **oo** | 8.09 92327 | 92870 | 93413 | 93956 | 94498 | 95041 | 95584 | 96126 | 96668 | 97211 | 97753 | | 90 |
| | 10 | 8.09 97753 | 98295 | 98837 | 99380 | 99922 | *00464 | *01005 | *01547 | *02089 | *02631 | *03172 | | 80 |
| | 20 | 8.10 03172 | 03714 | 04255 | 04797 | 05338 | 05879 | 06420 | 06962 | 07503 | 08044 | 08585 | | 70 |
| | 30 | 08585 | 09125 | 09666 | 10207 | 10748 | 11288 | 11829 | 12369 | 12910 | 13450 | 13990 | | 60 |
| | 40 | 13990 | 14530 | 15070 | 15611 | 16151 | 16690 | 17230 | 17770 | 18310 | 18849 | 19389 | | 50 |
| | 50 | 19389 | 19929 | 20468 | 21007 | 21547 | 22086 | 22625 | 23164 | 23703 | 24242 | 24781 | | 40 |
| | 60 | 24781 | 25320 | 25859 | 26398 | 26936 | 27475 | 28013 | 28552 | 29090 | 29628 | 30167 | | 30 |
| | 70 | 30167 | 30705 | 31243 | 31781 | 32319 | 32857 | 33395 | 33933 | 34470 | 35008 | 35546 | | 20 |
| | 80 | 35546 | 36083 | 36621 | 37158 | 37695 | 38233 | 38770 | 39307 | 39844 | 40381 | 40918 | | 10 |
| | 90 | 40918 | 41455 | 41991 | 42528 | 43065 | 43601 | 44138 | 44674 | 45211 | 45747 | 46283 | **19** | **oo** |
| **81** | **oo** | 8.10 46283 | 46820 | 47356 | 47892 | 48428 | 48964 | 49499 | 50035 | 50571 | 51107 | 51642 | | 90 |
| | 10 | 51642 | 52178 | 52713 | 53249 | 53784 | 54319 | 54854 | 55390 | 55925 | 56460 | 56995 | | 80 |
| | 20 | 56995 | 57529 | 58064 | 58599 | 59134 | 59668 | 60203 | 60737 | 61272 | 61806 | 62340 | | 70 |
| | 30 | 62340 | 62875 | 63409 | 63943 | 64477 | 65011 | 65545 | 66078 | 66612 | 67146 | 67680 | | 60 |
| | 40 | 67680 | 68213 | 68747 | 69280 | 69813 | 70347 | 70880 | 71413 | 71946 | 72479 | 73012 | | 50 |
| | 50 | 73012 | 73545 | 74078 | 74611 | 75143 | 75676 | 76209 | 76741 | 77274 | 77806 | 78338 | | 40 |
| | 60 | 78338 | 78870 | 79403 | 79935 | 80467 | 80999 | 81531 | 82063 | 82594 | 83126 | 83658 | | 30 |
| | 70 | 83658 | 84189 | 84721 | 85252 | 85784 | 86315 | 86846 | 87378 | 87909 | 88440 | 88971 | | 20 |
| | 80 | 88971 | 89502 | 90033 | 90563 | 91094 | 91625 | 92156 | 92686 | 93217 | 93747 | 94277 | | 10 |
| | 90 | 94277 | 94808 | 95338 | 95868 | 96398 | 96928 | 97458 | 97988 | 98518 | 99048 | 99577 | **18** | **oo** |
| **82** | **oo** | 8.10 99577 | *00107 | *00637 | *01166 | *01696 | *02225 | *02754 | *03284 | *03813 | *04342 | *04871 | | 90 |
| | 10 | 8.11 04871 | 05400 | 05929 | 06458 | 06987 | 07516 | 08044 | 08573 | 09101 | 09630 | 10158 | | 80 |
| | 20 | 10158 | 10687 | 11215 | 11743 | 12271 | 12799 | 13328 | 13856 | 14383 | 14911 | 15439 | | 70 |
| | 30 | 15439 | 15967 | 16494 | 17022 | 17550 | 18077 | 18604 | 19132 | 19659 | 20186 | 20713 | | 60 |
| | 40 | 20713 | 21241 | 21768 | 22294 | 22821 | 23348 | 23875 | 24402 | 24928 | 25455 | 25981 | | 50 |
| | 50 | 25981 | 26508 | 27034 | 27561 | 28087 | 28613 | 29139 | 29665 | 30191 | 30717 | 31243 | | 40 |
| | 60 | 31243 | 31769 | 32295 | 32820 | 33346 | 33871 | 34397 | 34922 | 35448 | 35973 | 36498 | | 30 |
| | 70 | 36498 | 37023 | 37548 | 38073 | 38598 | 39123 | 39648 | 40173 | 40698 | 41222 | 41747 | | 20 |
| | 80 | 41747 | 42272 | 42796 | 43320 | 43845 | 44369 | 44893 | 45417 | 45942 | 46466 | 46990 | | 10 |
| | 90 | 46990 | 47513 | 48037 | 48561 | 49085 | 49608 | 50132 | 50656 | 51179 | 51702 | 52226 | **17** | **oo** |
| **83** | **oo** | 8.11 52226 | 52749 | 53272 | 53795 | 54318 | 54842 | 55364 | 55887 | 56410 | 56933 | 57456 | | 90 |
| | 10 | 57456 | 57978 | 58501 | 59023 | 59546 | 60068 | 60591 | 61113 | 61635 | 62157 | 62679 | | 80 |
| | 20 | 62679 | 63201 | 63723 | 64245 | 64767 | 65289 | 65810 | 66332 | 66854 | 67375 | 67897 | | 70 |
| | 30 | 67897 | 68418 | 68939 | 69461 | 69982 | 70503 | 71024 | 71545 | 72066 | 72587 | 73108 | | 60 |
| | 40 | 73108 | 73628 | 74149 | 74670 | 75190 | 75711 | 76231 | 76752 | 77272 | 77792 | 78313 | | 50 |
| | 50 | 78313 | 78833 | 79353 | 79873 | 80393 | 80913 | 81432 | 81952 | 82472 | 82992 | 83511 | | 40 |
| | 60 | 83511 | 84031 | 84550 | 85070 | 85589 | 86108 | 86627 | 87147 | 87666 | 88185 | 88704 | | 30 |
| | 70 | 88704 | 89222 | 89741 | 90260 | 90779 | 91297 | 91816 | 92335 | 92853 | 93371 | 93890 | | 20 |
| | 80 | 93890 | 94408 | 94926 | 95444 | 95963 | 96481 | 96999 | 97516 | 98034 | 98552 | 99070 | | 10 |
| | 90 | 8.11 99070 | 99587 | *00105 | *00623 | *01140 | *01658 | *02175 | *02692 | *03209 | *03727 | *04244 | **16** | **oo** |
| **84** | **oo** | 8.12 04244 | 04761 | 05278 | 05795 | 06311 | 06828 | 07345 | 07862 | 08378 | 08895 | 09411 | | 90 |
| | 10 | 09411 | 09928 | 10444 | 10960 | 11477 | 11993 | 12509 | 13025 | 13541 | 14057 | 14573 | | 80 |
| | 20 | 14573 | 15089 | 15605 | 16120 | 16636 | 17151 | 17667 | 18182 | 18698 | 19213 | 19728 | | 70 |
| | 30 | 19728 | 20244 | 20759 | 21274 | 21789 | 22304 | 22819 | 23334 | 23848 | 24363 | 24878 | | 60 |
| | 40 | 24878 | 25392 | 25907 | 26421 | 26936 | 27450 | 27964 | 28479 | 28993 | 29507 | 30021 | | 50 |
| | 50 | 30021 | 30535 | 31049 | 31563 | 32077 | 32590 | 33104 | 33618 | 34131 | 34645 | 35158 | | 40 |
| | 60 | 35158 | 35671 | 36185 | 36698 | 37211 | 37724 | 38237 | 38750 | 39263 | 39776 | 40289 | | 30 |
| | 70 | 40289 | 40802 | 41315 | 41827 | 42340 | 42852 | 43365 | 43877 | 44390 | 44902 | 45414 | | 20 |
| | 80 | 45414 | 45926 | 46438 | 46950 | 47462 | 47974 | 48486 | 48998 | 49510 | 50022 | 50533 | | 10 |
| | 90 | 8.12 50533 | 51045 | 51556 | 52068 | 52579 | 53090 | 53602 | 54113 | 54624 | 55135 | 55646 | **15** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $99^g\,15^c$ — log ctg $99^g\,20^c$

## log sin $0^g\,85^c$ — log sin $0^g\,90^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **85** | **oo** | 8.12 55259 | 55770 | 56281 | 56791 | 57302 | 57813 | 58323 | 58834 | 59344 | 59855 | 60365 | 90 |
| | 10 | 60365 | 60875 | 61386 | 61896 | 62406 | 62916 | 63426 | 63936 | 64446 | 64955 | 65465 | 80 |
| | 20 | 65465 | 65975 | 66484 | 66994 | 67503 | 68013 | 68522 | 69032 | 69541 | 70050 | 70559 | 70 |
| | 30 | 70559 | 71068 | 71577 | 72086 | 72595 | 73104 | 73613 | 74121 | 74630 | 75139 | 75647 | 60 |
| | 40 | 75647 | 76156 | 76664 | 77172 | 77681 | 78189 | 78697 | 79205 | 79713 | 80221 | 80729 | 50 |
| | 50 | 80729 | 81237 | 81745 | 82253 | 82761 | 83268 | 83776 | 84283 | 84791 | 85298 | 85806 | 40 |
| | 60 | 85806 | 86313 | 86820 | 87327 | 87834 | 88341 | 88848 | 89355 | 89862 | 90369 | 90876 | 30 |
| | 70 | 90876 | 91383 | 91889 | 92396 | 92902 | 93409 | 93915 | 94421 | 94928 | 95434 | 95940 | 20 |
| | 80 | 8.12 95940 | 96446 | 96952 | 97458 | 97964 | 98470 | 98976 | 99482 | 99987 | *00493 | *00999 | 10 |
| | 90 | 8.13 00999 | 01504 | 02010 | 02515 | 03020 | 03526 | 04031 | 04536 | 05041 | 05546 | 06051 | **14 oo** |
| **86** | **oo** | 8.13 06051 | 06556 | 07061 | 07566 | 08071 | 08575 | 09080 | 09584 | 10089 | 10593 | 11098 | 90 |
| | 10 | 11098 | 11602 | 12107 | 12611 | 13115 | 13619 | 14123 | 14627 | 15131 | 15635 | 16139 | 80 |
| | 20 | 16139 | 16642 | 17146 | 17650 | 18153 | 18657 | 19160 | 19664 | 20167 | 20670 | 21174 | 70 |
| | 30 | 21174 | 21677 | 22180 | 22683 | 23186 | 23689 | 24192 | 24695 | 25198 | 25700 | 26203 | 60 |
| | 40 | 26203 | 26705 | 27208 | 27710 | 28213 | 28715 | 29218 | 29720 | 30222 | 30724 | 31226 | 50 |
| | 50 | 31226 | 31728 | 32230 | 32732 | 33234 | 33736 | 34237 | 34739 | 35241 | 35742 | 36244 | 40 |
| | 60 | 36244 | 36745 | 37247 | 37748 | 38249 | 38750 | 39251 | 39753 | 40254 | 40755 | 41255 | 30 |
| | 70 | 41255 | 41756 | 42257 | 42758 | 43259 | 43759 | 44260 | 44760 | 45261 | 45761 | 46261 | 20 |
| | 80 | 46261 | 46762 | 47262 | 47762 | 48262 | 48762 | 49262 | 49762 | 50262 | 50762 | 51262 | 10 |
| | 90 | 51262 | 51761 | 52261 | 52761 | 53260 | 53760 | 54259 | 54758 | 55258 | 55757 | 56256 | **13 oo** |
| **87** | **oo** | 8.13 56256 | 56755 | 57254 | 57753 | 58252 | 58751 | 59250 | 59749 | 60248 | 60746 | 61245 | 90 |
| | 10 | 61245 | 61743 | 62242 | 62740 | 63239 | 63737 | 64235 | 64734 | 65232 | 65730 | 66228 | 80 |
| | 20 | 66228 | 66726 | 67224 | 67722 | 68219 | 68717 | 69215 | 69713 | 70210 | 70708 | 71205 | 70 |
| | 30 | 71205 | 71703 | 72200 | 72697 | 73194 | 73692 | 74189 | 74686 | 75183 | 75680 | 76177 | 60 |
| | 40 | 76177 | 76674 | 77170 | 77667 | 78164 | 78660 | 79157 | 79653 | 80150 | 80646 | 81143 | 50 |
| | 50 | 81143 | 81639 | 82135 | 82631 | 83127 | 83623 | 84119 | 84615 | 85111 | 85607 | 86103 | 40 |
| | 60 | 86103 | 86598 | 87094 | 87590 | 88085 | 88581 | 89076 | 89572 | 90067 | 90562 | 91057 | 30 |
| | 70 | 91057 | 91552 | 92048 | 92543 | 93038 | 93533 | 94027 | 94522 | 95017 | 95512 | 96006 | 20 |
| | 80 | 8.13 96006 | 96501 | 96995 | 97490 | 97984 | 98479 | 98973 | 99467 | 99961 | *00455 | *00950 | 10 |
| | 90 | 8.14 00950 | 01444 | 01938 | 02431 | 02925 | 03419 | 03913 | 04406 | 04900 | 05394 | 05887 | **12 oo** |
| **88** | **oo** | 8.14 05887 | 06381 | 06874 | 07367 | 07861 | 08354 | 08847 | 09340 | 09833 | 10326 | 10819 | 90 |
| | 10 | 10819 | 11312 | 11805 | 12298 | 12790 | 13283 | 13776 | 14268 | 14761 | 15253 | 15746 | 80 |
| | 20 | 15746 | 16238 | 16730 | 17223 | 17715 | 18207 | 18699 | 19191 | 19683 | 20175 | 20667 | 70 |
| | 30 | 20667 | 21158 | 21650 | 22142 | 22633 | 23125 | 23616 | 24108 | 24599 | 25091 | 25582 | 60 |
| | 40 | 25582 | 26073 | 26564 | 27055 | 27546 | 28037 | 28528 | 29019 | 29510 | 30001 | 30492 | 50 |
| | 50 | 30492 | 30982 | 31473 | 31963 | 32454 | 32944 | 33435 | 33925 | 34415 | 34906 | 35396 | 40 |
| | 60 | 35396 | 35886 | 36376 | 36866 | 37356 | 37846 | 38336 | 38825 | 39315 | 39805 | 40294 | 30 |
| | 70 | 40294 | 40784 | 41274 | 41763 | 42252 | 42742 | 43231 | 43720 | 44209 | 44699 | 45188 | 20 |
| | 80 | 45188 | 45677 | 46166 | 46654 | 47143 | 47632 | 48121 | 48610 | 49098 | 49587 | 50075 | 10 |
| | 90 | 50075 | 50564 | 51052 | 51540 | 52029 | 52517 | 53005 | 53493 | 53981 | 54469 | 54957 | **11 oo** |
| **89** | **oo** | 8.14 54957 | 55445 | 55933 | 56421 | 56909 | 57396 | 57884 | 58372 | 58859 | 59347 | 59834 | 90 |
| | 10 | 59834 | 60321 | 60809 | 61296 | 61783 | 62270 | 62757 | 63244 | 63731 | 64218 | 64705 | 80 |
| | 20 | 64705 | 65192 | 65679 | 66166 | 66652 | 67139 | 67625 | 68112 | 68598 | 69085 | 69571 | 70 |
| | 30 | 69571 | 70057 | 70543 | 71030 | 71516 | 72002 | 72488 | 72974 | 73460 | 73945 | 74431 | 60 |
| | 40 | 74431 | 74917 | 75403 | 75888 | 76374 | 76859 | 77345 | 77830 | 78316 | 78801 | 79286 | 50 |
| | 50 | 79286 | 79771 | 80256 | 80741 | 81226 | 81711 | 82196 | 82681 | 83166 | 83651 | 84135 | 40 |
| | 60 | 84135 | 84620 | 85105 | 85589 | 86074 | 86558 | 87043 | 87527 | 88011 | 88495 | 88979 | 30 |
| | 70 | 88979 | 89464 | 89948 | 90432 | 90916 | 91399 | 91883 | 92367 | 92851 | 93334 | 93818 | 20 |
| | 80 | 93818 | 94302 | 94785 | 95269 | 95752 | 96235 | 96719 | 97202 | 97685 | 98168 | 98651 | 10 |
| | 90 | 8.14 98651 | 99134 | 99617 | *00100 | *00583 | *01066 | *01549 | *02031 | *02514 | *02997 | *03479 | **10 oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

## log cos $99^g\,10^c$ — log cos $99^g\,15^c$

## log tg $0^g\,85^c$ — log tg $0^g\,90^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **85** | **oo** | 8.12 55646 | 56157 | 56668 | 57179 | 57690 | 58200 | 58711 | 59222 | 59732 | 60243 | 60753 | 90 |
| | 10 | 60753 | 61263 | 61774 | 62284 | 62794 | 63304 | 63814 | 64324 | 64834 | 65344 | 65854 | 80 |
| | 20 | 65854 | 66364 | 66873 | 67383 | 67893 | 68402 | 68912 | 69421 | 69930 | 70440 | 70949 | 70 |
| | 30 | 70949 | 71458 | 71967 | 72476 | 72985 | 73494 | 74003 | 74512 | 75021 | 75529 | 76038 | 60 |
| | 40 | 76038 | 76547 | 77055 | 77564 | 78072 | 78580 | 79089 | 79597 | 80105 | 80613 | 81121 | 50 |
| | 50 | 81121 | 81629 | 82137 | 82645 | 83153 | 83660 | 84168 | 84676 | 85183 | 85691 | 86198 | 40 |
| | 60 | 86198 | 86706 | 87213 | 87720 | 88227 | 88734 | 89242 | 89749 | 90256 | 90762 | 91269 | 30 |
| | 70 | 91269 | 91776 | 92283 | 92790 | 93296 | 93803 | 94309 | 94816 | 95322 | 95828 | 96335 | 20 |
| | 80 | 8.12 96335 | 96841 | 97347 | 97853 | 98359 | 98865 | 99371 | 99877 | *00383 | *00888 | *01394 | 10 |
| | 90 | 8.13 01394 | 01900 | 02405 | 02911 | 03416 | 03921 | 04427 | 04932 | 05437 | 05942 | 06447 | **14 oo** |
| **86** | **oo** | 8.13 06447 | 06952 | 07457 | 07962 | 08467 | 08972 | 09477 | 09981 | 10486 | 10991 | 11495 | 90 |
| | 10 | 11495 | 12000 | 12504 | 13008 | 13512 | 14017 | 14521 | 15025 | 15529 | 16033 | 16537 | 80 |
| | 20 | 16537 | 17041 | 17545 | 18048 | 18552 | 19056 | 19559 | 20063 | 20566 | 21069 | 21573 | 70 |
| | 30 | 21573 | 22076 | 22579 | 23082 | 23585 | 24089 | 24592 | 25094 | 25597 | 26100 | 26603 | 60 |
| | 40 | 26603 | 27106 | 27608 | 28111 | 28613 | 29116 | 29618 | 30120 | 30623 | 31125 | 31627 | 50 |
| | 50 | 31627 | 32129 | 32631 | 33133 | 33635 | 34137 | 34639 | 35141 | 35642 | 36144 | 36646 | 40 |
| | 60 | 36646 | 37147 | 37649 | 38150 | 38651 | 39153 | 39654 | 40155 | 40656 | 41157 | 41658 | 30 |
| | 70 | 41658 | 42159 | 42660 | 43161 | 43662 | 44162 | 44663 | 45164 | 45664 | 46165 | 46665 | 20 |
| | 80 | 46665 | 47166 | 47666 | 48166 | 48666 | 49166 | 49667 | 50167 | 50667 | 51166 | 51666 | 10 |
| | 90 | 51666 | 52166 | 52666 | 53166 | 53665 | 54165 | 54664 | 55164 | 55663 | 56162 | 56662 | **13 oo** |
| **87** | **oo** | 8.13 56662 | 57161 | 57660 | 58159 | 58658 | 59157 | 59656 | 60155 | 60654 | 61153 | 61651 | 90 |
| | 10 | 61651 | 62150 | 62649 | 63147 | 63646 | 64144 | 64642 | 65141 | 65639 | 66137 | 66635 | 80 |
| | 20 | 66635 | 67133 | 67631 | 68129 | 68627 | 69125 | 69623 | 70121 | 70618 | 71116 | 71613 | 70 |
| | 30 | 71613 | 72111 | 72608 | 73106 | 73603 | 74100 | 74598 | 75095 | 75592 | 76089 | 76586 | 60 |
| | 40 | 76586 | 77083 | 77580 | 78077 | 78573 | 79070 | 79567 | 80063 | 80560 | 81056 | 81553 | 50 |
| | 50 | 81553 | 82049 | 82545 | 83042 | 83538 | 84034 | 84530 | 85026 | 85522 | 86018 | 86514 | 40 |
| | 60 | 86514 | 87010 | 87505 | 88001 | 88497 | 88992 | 89488 | 89983 | 90479 | 90974 | 91469 | 30 |
| | 70 | 91469 | 91965 | 92460 | 92955 | 93450 | 93945 | 94440 | 94935 | 95430 | 95925 | 96419 | 20 |
| | 80 | 8.13 96419 | 96914 | 97409 | 97903 | 98398 | 98892 | 99387 | 99881 | *00375 | *00869 | *01364 | 10 |
| | 90 | 8.14 01364 | 01858 | 02352 | 02846 | 03340 | 03834 | 04327 | 04821 | 05315 | 05809 | 06302 | **12 oo** |
| **88** | **oo** | 8.14 06302 | 06796 | 07289 | 07783 | 08276 | 08769 | 09263 | 09756 | 10249 | 10742 | 11235 | 90 |
| | 10 | 11235 | 11728 | 12221 | 12714 | 13207 | 13700 | 14192 | 14685 | 15177 | 15670 | 16163 | 80 |
| | 20 | 16163 | 16655 | 17147 | 17640 | 18132 | 18624 | 19116 | 19608 | 20100 | 20592 | 21084 | 70 |
| | 30 | 21084 | 21576 | 22068 | 22560 | 23051 | 23543 | 24035 | 24526 | 25018 | 25509 | 26001 | 60 |
| | 40 | 26001 | 26492 | 26983 | 27474 | 27966 | 28457 | 28948 | 29439 | 29930 | 30420 | 30911 | 50 |
| | 50 | 30911 | 31402 | 31893 | 32383 | 32874 | 33365 | 33855 | 34345 | 34836 | 35326 | 35816 | 40 |
| | 60 | 35816 | 36307 | 36797 | 37287 | 37777 | 38267 | 38757 | 39247 | 39737 | 40226 | 40716 | 30 |
| | 70 | 40716 | 41206 | 41695 | 42185 | 42674 | 43164 | 43653 | 44142 | 44632 | 45121 | 45610 | 20 |
| | 80 | 45610 | 46099 | 46588 | 47077 | 47566 | 48055 | 48544 | 49033 | 49521 | 50010 | 50499 | 10 |
| | 90 | 50499 | 50987 | 51476 | 51964 | 52453 | 52941 | 53429 | 53917 | 54406 | 54894 | 55382 | **11 oo** |
| **89** | **oo** | 8.14 55382 | 55870 | 56358 | 56846 | 57333 | 57821 | 58309 | 58797 | 59284 | 59772 | 60259 | 90 |
| | 10 | 60259 | 60747 | 61234 | 61722 | 62209 | 62696 | 63183 | 63670 | 64158 | 64645 | 65132 | 80 |
| | 20 | 65132 | 65618 | 66105 | 66592 | 67079 | 67566 | 68052 | 68539 | 69025 | 69512 | 69998 | 70 |
| | 30 | 69998 | 70485 | 70971 | 71457 | 71943 | 72430 | 72916 | 73402 | 73888 | 74374 | 74859 | 60 |
| | 40 | 74859 | 75345 | 75831 | 76317 | 76802 | 77288 | 77774 | 78259 | 78745 | 79230 | 79715 | 50 |
| | 50 | 79715 | 80201 | 80686 | 81171 | 81656 | 82141 | 82626 | 83111 | 83596 | 84081 | 84566 | 40 |
| | 60 | 84566 | 85050 | 85535 | 86020 | 86504 | 86989 | 87473 | 87958 | 88442 | 88926 | 89411 | 30 |
| | 70 | 89411 | 89895 | 90379 | 90863 | 91347 | 91831 | 92315 | 92799 | 93283 | 93766 | 94250 | 20 |
| | 80 | 94250 | 94734 | 95217 | 95701 | 96185 | 96668 | 97151 | 97635 | 98118 | 98601 | 99084 | 10 |
| | 90 | 8.14 99084 | 99568 | *00051 | *00534 | *01017 | *01499 | *01982 | *02465 | *02948 | *03431 | *03913 | **10 oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

## log ctg $99^g\,10^c$ — log ctg $99^g\,15^c$

## log sin $0^g\,90^c$ — log sin $0^g\,95^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **90** | **oo** | 8.15 03479 | 03962 | 04444 | 04927 | 05409 | 05891 | 06373 | 06856 | 07338 | 07820 | 08302 | 90 |
| | 10 | 08302 | 08784 | 09266 | 09747 | 10229 | 10711 | 11193 | 11674 | 12156 | 12637 | 13119 | 80 |
| | 20 | 13119 | 13600 | 14082 | 14563 | 15044 | 15525 | 16007 | 16488 | 16969 | 17450 | 17931 | 70 |
| | 30 | 17931 | 18412 | 18892 | 19373 | 19854 | 20335 | 20815 | 21296 | 21776 | 22257 | 22737 | 60 |
| | 40 | 22737 | 23217 | 23698 | 24178 | 24658 | 25138 | 25618 | 26098 | 26578 | 27058 | 27538 | 50 |
| | 50 | 27538 | 28018 | 28498 | 28978 | 29457 | 29937 | 30416 | 30896 | 31375 | 31855 | 32334 | 40 |
| | 60 | 32334 | 32813 | 33293 | 33772 | 34251 | 34730 | 35209 | 35688 | 36167 | 36646 | 37125 | 30 |
| | 70 | 37125 | 37603 | 38082 | 38561 | 39039 | 39518 | 39997 | 40475 | 40953 | 41432 | 41910 | 20 |
| | 80 | 41910 | 42388 | 42866 | 43345 | 43823 | 44301 | 44779 | 45257 | 45734 | 46212 | 46690 | 10 |
| | 90 | 46690 | 47168 | 47645 | 48123 | 48601 | 49078 | 49556 | 50033 | 50510 | 50988 | 51465 | **09 oo** |
| **91** | **oo** | 8.15 51465 | 51942 | 52419 | 52896 | 53373 | 53850 | 54327 | 54804 | 55281 | 55758 | 56234 | 90 |
| | 10 | 56234 | 56711 | 57188 | 57664 | 58141 | 58617 | 59094 | 59570 | 60046 | 60522 | 60999 | 80 |
| | 20 | 60999 | 61475 | 61951 | 62427 | 62903 | 63379 | 63855 | 64330 | 64806 | 65282 | 65758 | 70 |
| | 30 | 65758 | 66233 | 66709 | 67184 | 67660 | 68135 | 68611 | 69086 | 69561 | 70036 | 70512 | 60 |
| | 40 | 70512 | 70987 | 71462 | 71937 | 72412 | 72887 | 73361 | 73836 | 74311 | 74786 | 75260 | 50 |
| | 50 | 75260 | 75735 | 76209 | 76684 | 77158 | 77633 | 78107 | 78581 | 79055 | 79530 | 80004 | 40 |
| | 60 | 80004 | 80478 | 80952 | 81426 | 81900 | 82373 | 82847 | 83321 | 83795 | 84268 | 84742 | 30 |
| | 70 | 84742 | 85215 | 85689 | 86162 | 86636 | 87109 | 87582 | 88056 | 88529 | 89002 | 89475 | 20 |
| | 80 | 89475 | 89948 | 90421 | 90894 | 91367 | 91840 | 92312 | 92785 | 93258 | 93730 | 94203 | 10 |
| | 90 | 94203 | 94676 | 95148 | 95620 | 96093 | 96565 | 97037 | 97510 | 97982 | 98454 | 98926 | **08 oo** |
| **92** | **oo** | 8.15 98926 | 99398 | 99870 | *00342 | *00814 | *01285 | *01757 | *02229 | *02700 | *03172 | *03644 | 90 |
| | 10 | 8.16 03644 | 04115 | 04587 | 05058 | 05529 | 06001 | 06472 | 06943 | 07414 | 07885 | 08356 | 80 |
| | 20 | 08356 | 08827 | 09298 | 09769 | 10240 | 10711 | 11181 | 11652 | 12123 | 12593 | 13064 | 70 |
| | 30 | 13064 | 13534 | 14005 | 14475 | 14945 | 15415 | 15886 | 16356 | 16826 | 17296 | 17766 | 60 |
| | 40 | 17766 | 18236 | 18706 | 19176 | 19646 | 20115 | 20585 | 21055 | 21524 | 21994 | 22463 | 50 |
| | 50 | 22463 | 22933 | 23402 | 23871 | 24341 | 24810 | 25279 | 25748 | 26217 | 26687 | 27155 | 40 |
| | 60 | 27155 | 27624 | 28093 | 28562 | 29031 | 29500 | 29968 | 30437 | 30906 | 31374 | 31843 | 30 |
| | 70 | 31843 | 32311 | 32779 | 33248 | 33716 | 34184 | 34652 | 35121 | 35589 | 36057 | 36525 | 20 |
| | 80 | 36525 | 36993 | 37461 | 37928 | 38396 | 38864 | 39332 | 39799 | 40267 | 40734 | 41202 | 10 |
| | 90 | 41202 | 41669 | 42137 | 42604 | 43071 | 43538 | 44006 | 44473 | 44940 | 45407 | 45874 | **07 oo** |
| **93** | **oo** | 8.16 45874 | 46341 | 46808 | 47274 | 47741 | 48208 | 48675 | 49141 | 49608 | 50074 | 50541 | 90 |
| | 10 | 50541 | 51007 | 51474 | 51940 | 52406 | 52872 | 53339 | 53805 | 54271 | 54737 | 55203 | 80 |
| | 20 | 55203 | 55669 | 56135 | 56600 | 57066 | 57532 | 57998 | 58463 | 58929 | 59394 | 59860 | 70 |
| | 30 | 59860 | 60325 | 60791 | 61256 | 61721 | 62186 | 62652 | 63117 | 63582 | 64047 | 64512 | 60 |
| | 40 | 64512 | 64977 | 65442 | 65906 | 66371 | 66836 | 67301 | 67765 | 68230 | 68694 | 69159 | 50 |
| | 50 | 69159 | 69623 | 70088 | 70552 | 71016 | 71480 | 71945 | 72409 | 72873 | 73337 | 73801 | 40 |
| | 60 | 73801 | 74265 | 74729 | 75192 | 75656 | 76120 | 76584 | 77047 | 77511 | 77974 | 78438 | 30 |
| | 70 | 78438 | 78901 | 79365 | 79828 | 80291 | 80755 | 81218 | 81681 | 82144 | 82607 | 83070 | 20 |
| | 80 | 83070 | 83533 | 83996 | 84459 | 84921 | 85384 | 85847 | 86310 | 86772 | 87235 | 87697 | 10 |
| | 90 | 87697 | 88160 | 88622 | 89084 | 89547 | 90009 | 90471 | 90933 | 91395 | 91857 | 92319 | **06 oo** |
| **94** | **oo** | 8.16 92319 | 92781 | 93243 | 93705 | 94167 | 94629 | 95091 | 95552 | 96014 | 96475 | 96937 | 90 |
| | 10 | 8.16 96937 | 97398 | 97860 | 98321 | 98782 | 99244 | 99705 | *00166 | *00627 | *01088 | *01549 | 80 |
| | 20 | 8.17 01549 | 02010 | 02471 | 02932 | 03393 | 03854 | 04314 | 04775 | 05236 | 05696 | 06157 | 70 |
| | 30 | 06157 | 06617 | 07078 | 07538 | 07999 | 08459 | 08919 | 09379 | 09839 | 10300 | 10760 | 60 |
| | 40 | 10760 | 11220 | 11680 | 12139 | 12599 | 13059 | 13519 | 13979 | 14438 | 14898 | 15357 | 50 |
| | 50 | 15357 | 15817 | 16276 | 16736 | 17195 | 17654 | 18114 | 18573 | 19032 | 19491 | 19950 | 40 |
| | 60 | 19950 | 20409 | 20868 | 21327 | 21786 | 22245 | 22704 | 23162 | 23621 | 24080 | 24538 | 30 |
| | 70 | 24538 | 24997 | 25455 | 25914 | 26372 | 26831 | 27289 | 27747 | 28205 | 28664 | 29122 | 20 |
| | 80 | 29122 | 29580 | 30038 | 30496 | 30954 | 31411 | 31869 | 32327 | 32785 | 33242 | 33700 | 10 |
| | 90 | 8.17 33700 | 34158 | 34615 | 35073 | 35530 | 35987 | 36445 | 36902 | 37359 | 37816 | 38274 | **05 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $99^g\,05^c$ — log cos $99^g\,10^c$

## log tg $0^g\,90^c$ — log tg $0^g\,95^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **90** | **oo** | 8.15 03913 | 04396 | 04878 | 05361 | 05843 | 06326 | 06808 | 07290 | 07772 | 08255 | 08737 | 90 |
| | 10 | 08737 | 09219 | 09701 | 10183 | 10665 | 11146 | 11628 | 12110 | 12592 | 13073 | 13555 | 80 |
| | 20 | 13555 | 14036 | 14518 | 14999 | 15481 | 15962 | 16443 | 16924 | 17405 | 17887 | 18368 | 70 |
| | 30 | 18368 | 18849 | 19329 | 19810 | 20291 | 20772 | 21253 | 21733 | 22214 | 22694 | 23175 | 60 |
| | 40 | 23175 | 23655 | 24136 | 24616 | 25096 | 25577 | 26057 | 26537 | 27017 | 27497 | 27977 | 50 |
| | 50 | 27977 | 28457 | 28937 | 29417 | 29896 | 30376 | 30856 | 31335 | 31815 | 32295 | 32774 | 40 |
| | 60 | 32774 | 33253 | 33733 | 34212 | 34691 | 35170 | 35650 | 36129 | 36608 | 37087 | 37565 | 30 |
| | 70 | 37565 | 38044 | 38523 | 39002 | 39481 | 39959 | 40438 | 40916 | 41395 | 41873 | 42352 | 20 |
| | 80 | 42352 | 42830 | 43308 | 43787 | 44265 | 44743 | 45221 | 45699 | 46177 | 46655 | 47133 | 10 |
| | 90 | 47133 | 47611 | 48088 | 48566 | 49044 | 49521 | 49999 | 50476 | 50954 | 51431 | 51908 | **09 oo** |
| **91** | **oo** | 8.15 51908 | 52386 | 52863 | 53340 | 53817 | 54294 | 54771 | 55248 | 55725 | 56202 | 56679 | 90 |
| | 10 | 56679 | 57156 | 57632 | 58109 | 58586 | 59062 | 59539 | 60015 | 60492 | 60968 | 61444 | 80 |
| | 20 | 61444 | 61921 | 62397 | 62873 | 63349 | 63825 | 64301 | 64777 | 65253 | 65729 | 66204 | 70 |
| | 30 | 66204 | 66680 | 67156 | 67631 | 68107 | 68582 | 69058 | 69533 | 70009 | 70484 | 70959 | 60 |
| | 40 | 70959 | 71434 | 71909 | 72385 | 72860 | 73335 | 73810 | 74284 | 74759 | 75234 | 75709 | 50 |
| | 50 | 75709 | 76183 | 76658 | 77133 | 77607 | 78082 | 78556 | 79030 | 79505 | 79979 | 80453 | 40 |
| | 60 | 80453 | 80927 | 81401 | 81876 | 82350 | 82824 | 83297 | 83771 | 84245 | 84719 | 85193 | 30 |
| | 70 | 85193 | 85666 | 86140 | 86613 | 87087 | 87560 | 88034 | 88507 | 88980 | 89453 | 89927 | 20 |
| | 80 | 89927 | 90400 | 90873 | 91346 | 91819 | 92292 | 92765 | 93237 | 93710 | 94183 | 94656 | 10 |
| | 90 | 94656 | 95128 | 95601 | 96073 | 96546 | 97018 | 97490 | 97963 | 98435 | 98907 | 99379 | **08 oo** |
| **92** | **oo** | 8.15 99379 | 99851 | *00324 | *00796 | *01267 | *01739 | *02211 | *02683 | *03155 | *03626 | *04098 | 90 |
| | 10 | 8.16 04098 | 04570 | 05041 | 05513 | 05984 | 06455 | 06927 | 07398 | 07869 | 08341 | 08812 | 80 |
| | 20 | 08812 | 09283 | 09754 | 10225 | 10696 | 11167 | 11637 | 12108 | 12579 | 13049 | 13520 | 70 |
| | 30 | 13520 | 13991 | 14461 | 14932 | 15402 | 15872 | 16343 | 16813 | 17283 | 17753 | 18223 | 60 |
| | 40 | 18223 | 18694 | 19164 | 19633 | 20103 | 20573 | 21043 | 21513 | 21982 | 22452 | 22922 | 50 |
| | 50 | 22922 | 23391 | 23861 | 24330 | 24800 | 25269 | 25738 | 26208 | 26677 | 27146 | 27615 | 40 |
| | 60 | 27615 | 28084 | 28553 | 29022 | 29491 | 29960 | 30428 | 30897 | 31366 | 31834 | 32303 | 30 |
| | 70 | 32303 | 32772 | 33240 | 33709 | 34177 | 34645 | 35114 | 35582 | 36050 | 36518 | 36986 | 20 |
| | 80 | 36986 | 37454 | 37922 | 38390 | 38858 | 39326 | 39794 | 40261 | 40729 | 41197 | 41664 | 10 |
| | 90 | 41664 | 42132 | 42599 | 43067 | 43534 | 44001 | 44469 | 44936 | 45403 | 45870 | 46337 | **07 oo** |
| **93** | **oo** | 8.16 46337 | 46804 | 47271 | 47738 | 48205 | 48672 | 49139 | 49605 | 50072 | 50539 | 51005 | 90 |
| | 10 | 51005 | 51472 | 51938 | 52405 | 52871 | 53337 | 53804 | 54270 | 54736 | 55202 | 55668 | 80 |
| | 20 | 55668 | 56134 | 56600 | 57066 | 57532 | 57998 | 58464 | 58929 | 59395 | 59861 | 60326 | 70 |
| | 30 | 60326 | 60792 | 61257 | 61723 | 62188 | 62653 | 63119 | 63584 | 64049 | 64514 | 64979 | 60 |
| | 40 | 64979 | 65444 | 65909 | 66374 | 66839 | 67304 | 67769 | 68233 | 68698 | 69163 | 69627 | 50 |
| | 50 | 69627 | 70092 | 70556 | 71021 | 71485 | 71949 | 72414 | 72878 | 73342 | 73806 | 74270 | 40 |
| | 60 | 74270 | 74734 | 75198 | 75662 | 76126 | 76590 | 77054 | 77517 | 77981 | 78445 | 78908 | 30 |
| | 70 | 78908 | 79372 | 79835 | 80299 | 80762 | 81225 | 81689 | 82152 | 82615 | 83078 | 83541 | 20 |
| | 80 | 83541 | 84004 | 84467 | 84930 | 85393 | 85856 | 86319 | 86782 | 87244 | 87707 | 88170 | 10 |
| | 90 | 88170 | 88632 | 89095 | 89557 | 90020 | 90482 | 90944 | 91406 | 91869 | 92331 | 92793 | **06 oo** |
| **94** | **oo** | 8.16 92793 | 93255 | 93717 | 94179 | 94641 | 95103 | 95565 | 96026 | 96488 | 96950 | 97411 | 90 |
| | 10 | 8.16 97411 | 97873 | 98334 | 98796 | 99257 | 99719 | *00180 | *00641 | *01102 | *01564 | *02025 | 80 |
| | 20 | 8.17 02025 | 02486 | 02947 | 03408 | 03869 | 04330 | 04791 | 05251 | 05712 | 06173 | 06633 | 70 |
| | 30 | 06633 | 07094 | 07554 | 08015 | 08475 | 08936 | 09396 | 09856 | 10317 | 10777 | 11237 | 60 |
| | 40 | 11237 | 11697 | 12157 | 12617 | 13077 | 13537 | 13997 | 14457 | 14916 | 15376 | 15836 | 50 |
| | 50 | 15836 | 16295 | 16755 | 17215 | 17674 | 18133 | 18593 | 19052 | 19511 | 19971 | 20430 | 40 |
| | 60 | 20430 | 20889 | 21348 | 21807 | 22266 | 22725 | 23184 | 23643 | 24101 | 24560 | 25019 | 30 |
| | 70 | 25019 | 25478 | 25936 | 26395 | 26853 | 27312 | 27770 | 28228 | 28687 | 29145 | 29603 | 20 |
| | 80 | 29603 | 30061 | 30519 | 30978 | 31436 | 31893 | 32351 | 32809 | 33267 | 33725 | 34183 | 10 |
| | 90 | 8.17 34183 | 34640 | 35098 | 35555 | 36013 | 36471 | 36928 | 37385 | 37843 | 38300 | 38757 | **05 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $99^g\,05^c$ — log ctg $99^g\,10^c$

## log sin $0^g\,95^c$ — log sin $1^g\,00^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **95** | **oo** | 8.17 38274 | 38731 | 39188 | 39645 | 40102 | 40559 | 41015 | 41472 | 41929 | 42386 | 42842 | 90 |
| | 10 | 42842 | 43299 | 43756 | 44212 | 44669 | 45125 | 45581 | 46038 | 46494 | 46950 | 47406 | 80 |
| | 20 | 47406 | 47863 | 48319 | 48775 | 49231 | 49687 | 50142 | 50598 | 51054 | 51510 | 51966 | 70 |
| | 30 | 51966 | 52421 | 52877 | 53332 | 53788 | 54243 | 54699 | 55154 | 55609 | 56065 | 56520 | 60 |
| | 40 | 56520 | 56975 | 57430 | 57885 | 58340 | 58795 | 59250 | 59705 | 60160 | 60615 | 61070 | 50 |
| | 50 | 61070 | 61524 | 61979 | 62434 | 62888 | 63343 | 63797 | 64252 | 64706 | 65160 | 65614 | 40 |
| | 60 | 65614 | 66069 | 66523 | 66977 | 67431 | 67885 | 68339 | 68793 | 69247 | 69701 | 70155 | 30 |
| | 70 | 70155 | 70608 | 71062 | 71516 | 71969 | 72423 | 72876 | 73330 | 73783 | 74237 | 74690 | 20 |
| | 80 | 74690 | 75143 | 75596 | 76050 | 76503 | 76956 | 77409 | 77862 | 78315 | 78768 | 79221 | 10 |
| | 90 | 79221 | 79673 | 80126 | 80579 | 81032 | 81484 | 81937 | 82389 | 82842 | 83294 | 83747 | **04 oo** |
| **96** | **oo** | 8.17 83747 | 84199 | 84651 | 85103 | 85556 | 86008 | 86460 | 86912 | 87364 | 87816 | 88268 | 90 |
| | 10 | 88268 | 88720 | 89171 | 89623 | 90075 | 90527 | 90978 | 91430 | 91881 | 92333 | 92784 | 80 |
| | 20 | 92784 | 93236 | 93687 | 94138 | 94589 | 95041 | 95492 | 95943 | 96394 | 96845 | 97296 | 70 |
| | 30 | 8.17 97296 | 97747 | 98198 | 98649 | 99099 | 99550 | *00001 | *00451 | *00902 | *01353 | *01803 | 60 |
| | 40 | 8.18 01803 | 02254 | 02704 | 03154 | 03605 | 04055 | 04505 | 04955 | 05405 | 05856 | 06306 | 50 |
| | 50 | 06306 | 06756 | 07206 | 07655 | 08105 | 08555 | 09005 | 09455 | 09904 | 10354 | 10803 | 40 |
| | 60 | 10803 | 11253 | 11702 | 12152 | 12601 | 13051 | 13500 | 13949 | 14398 | 14847 | 15297 | 30 |
| | 70 | 15297 | 15746 | 16195 | 16644 | 17092 | 17541 | 17990 | 18439 | 18888 | 19336 | 19785 | 20 |
| | 80 | 19785 | 20234 | 20682 | 21131 | 21579 | 22027 | 22476 | 22924 | 23372 | 23821 | 24269 | 10 |
| | 90 | 24269 | 24717 | 25165 | 25613 | 26061 | 26509 | 26957 | 27405 | 27853 | 28300 | 28748 | **03 oo** |
| **97** | **oo** | 8.18 28748 | 29196 | 29643 | 30091 | 30538 | 30986 | 31433 | 31881 | 32328 | 32775 | 33223 | 90 |
| | 10 | 33223 | 33670 | 34117 | 34564 | 35011 | 35458 | 35905 | 36352 | 36799 | 37246 | 37693 | 80 |
| | 20 | 37693 | 38139 | 38586 | 39033 | 39479 | 39926 | 40372 | 40819 | 41265 | 41712 | 42158 | 70 |
| | 30 | 42158 | 42604 | 43051 | 43497 | 43943 | 44389 | 44835 | 45281 | 45727 | 46173 | 46619 | 60 |
| | 40 | 46619 | 47065 | 47511 | 47956 | 48402 | 48848 | 49293 | 49739 | 50184 | 50630 | 51075 | 50 |
| | 50 | 51075 | 51521 | 51966 | 52411 | 52856 | 53302 | 53747 | 54192 | 54637 | 55082 | 55527 | 40 |
| | 60 | 55527 | 55972 | 56417 | 56861 | 57306 | 57751 | 58196 | 58640 | 59085 | 59529 | 59974 | 30 |
| | 70 | 59974 | 60418 | 60863 | 61307 | 61752 | 62196 | 62640 | 63084 | 63528 | 63972 | 64416 | 20 |
| | 80 | 64416 | 64860 | 65304 | 65748 | 66192 | 66636 | 67080 | 67524 | 67967 | 68411 | 68855 | 10 |
| | 90 | 68855 | 69298 | 69742 | 70185 | 70628 | 71072 | 71515 | 71958 | 72402 | 72845 | 73288 | **02 oo** |
| **98** | **oo** | 8.18 73288 | 73731 | 74174 | 74617 | 75060 | 75503 | 75946 | 76389 | 76832 | 77274 | 77717 | 90 |
| | 10 | 77717 | 78160 | 78602 | 79045 | 79487 | 79930 | 80372 | 80815 | 81257 | 81699 | 82141 | 80 |
| | 20 | 82141 | 82584 | 83026 | 83468 | 83910 | 84352 | 84794 | 85236 | 85678 | 86120 | 86561 | 70 |
| | 30 | 86561 | 87003 | 87445 | 87886 | 88328 | 88770 | 89211 | 89653 | 90094 | 90535 | 90977 | 60 |
| | 40 | 90977 | 91418 | 91859 | 92301 | 92742 | 93183 | 93624 | 94065 | 94506 | 94947 | 95388 | 50 |
| | 50 | 95388 | 95829 | 96269 | 96710 | 97151 | 97592 | 98032 | 98473 | 98913 | 99354 | 99794 | 40 |
| | 60 | 8.18 99794 | *00235 | *00675 | *01115 | *01556 | *01996 | *02436 | *02876 | *03316 | *03756 | *04196 | 30 |
| | 70 | 8.19 04196 | 04636 | 05076 | 05516 | 05956 | 06396 | 06835 | 07275 | 07715 | 08154 | 08594 | 20 |
| | 80 | 08594 | 09033 | 09473 | 09912 | 10352 | 10791 | 11230 | 11670 | 12109 | 12548 | 12987 | 10 |
| | 90 | 12987 | 13426 | 13865 | 14304 | 14743 | 15182 | 15621 | 16060 | 16498 | 16937 | 17376 | **01 oo** |
| **99** | **oo** | 8.19 17376 | 17814 | 18253 | 18691 | 19130 | 19568 | 20007 | 20445 | 20883 | 21322 | 21760 | 90 |
| | 10 | 21760 | 22198 | 22636 | 23074 | 23512 | 23950 | 24388 | 24826 | 25264 | 25702 | 26140 | 80 |
| | 20 | 26140 | 26577 | 27015 | 27453 | 27890 | 28328 | 28766 | 29203 | 29640 | 30078 | 30515 | 70 |
| | 30 | 30515 | 30952 | 31390 | 31827 | 32264 | 32701 | 33138 | 33575 | 34012 | 34449 | 34886 | 60 |
| | 40 | 34886 | 35323 | 35760 | 36197 | 36633 | 37070 | 37507 | 37943 | 38380 | 38816 | 39253 | 50 |
| | 50 | 39253 | 39689 | 40126 | 40562 | 40998 | 41434 | 41871 | 42307 | 42743 | 43179 | 43615 | 40 |
| | 60 | 43615 | 44051 | 44487 | 44923 | 45359 | 45794 | 46230 | 46666 | 47102 | 47537 | 47973 | 30 |
| | 70 | 47973 | 48408 | 48844 | 49279 | 49715 | 50150 | 50585 | 51021 | 51456 | 51891 | 52326 | 20 |
| | 80 | 52326 | 52761 | 53196 | 53631 | 54066 | 54501 | 54936 | 55371 | 55806 | 56241 | 56675 | 10 |
| | 90 | 8.19 56675 | 57110 | 57545 | 57979 | 58414 | 58848 | 59283 | 59717 | 60152 | 60586 | 61020 | **00 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $99^g\,00^c$ — log cos $99^g\,05^c$

## log tg $0^g\,95^c$ — log tg $1^g\,00^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **95** | **oo** | 8.17 38757 | 39214 | 39672 | 40129 | 40586 | 41043 | 41500 | 41957 | 42413 | 42870 | 43327 | 90 |
| | 10 | 43327 | 43784 | 44240 | 44697 | 45154 | 45610 | 46067 | 46523 | 46979 | 47436 | 47892 | 80 |
| | 20 | 47892 | 48348 | 48804 | 49261 | 49717 | 50173 | 50629 | 51085 | 51541 | 51996 | 52452 | 70 |
| | 30 | 52452 | 52908 | 53364 | 53819 | 54275 | 54731 | 55186 | 55641 | 56097 | 56552 | 57008 | 60 |
| | 40 | 57008 | 57463 | 57918 | 58373 | 58828 | 59284 | 59739 | 60194 | 60649 | 61103 | 61558 | 50 |
| | 50 | 61558 | 62013 | 62468 | 62923 | 63377 | 63832 | 64286 | 64741 | 65195 | 65650 | 66104 | 40 |
| | 60 | 66104 | 66558 | 67013 | 67467 | 67921 | 68375 | 68829 | 69283 | 69737 | 70191 | 70645 | 30 |
| | 70 | 70645 | 71099 | 71553 | 72007 | 72460 | 72914 | 73368 | 73821 | 74275 | 74728 | 75182 | 20 |
| | 80 | 75182 | 75635 | 76088 | 76542 | 76995 | 77448 | 77901 | 78354 | 78807 | 79260 | 79713 | 10 |
| | 90 | 79713 | 80166 | 80619 | 81072 | 81525 | 81977 | 82430 | 82883 | 83335 | 83788 | 84240 | **04 oo** |
| **96** | **oo** | 8.17 84240 | 84693 | 85145 | 85597 | 86050 | 86502 | 86954 | 87406 | 87858 | 88311 | 88763 | 90 |
| | 10 | 88763 | 89215 | 89666 | 90118 | 90570 | 91022 | 91474 | 91925 | 92377 | 92829 | 93280 | 80 |
| | 20 | 93280 | 93732 | 94183 | 94634 | 95086 | 95537 | 95988 | 96440 | 96891 | 97342 | 97793 | 70 |
| | 30 | 8.17 97793 | 98244 | 98695 | 99146 | 99597 | *00048 | *00498 | *00949 | *01400 | *01850 | *02301 | 60 |
| | 40 | 8.18 02301 | 02752 | 03202 | 03653 | 04103 | 04553 | 05004 | 05454 | 05904 | 06354 | 06805 | 50 |
| | 50 | 06805 | 07255 | 07705 | 08155 | 08605 | 09055 | 09504 | 09954 | 10404 | 10854 | 11303 | 40 |
| | 60 | 11303 | 11753 | 12203 | 12652 | 13102 | 13551 | 14000 | 14450 | 14899 | 15348 | 15798 | 30 |
| | 70 | 15798 | 16247 | 16696 | 17145 | 17594 | 18043 | 18492 | 18941 | 19390 | 19838 | 20287 | 20 |
| | 80 | 20287 | 20736 | 21184 | 21633 | 22082 | 22530 | 22979 | 23427 | 23875 | 24324 | 24772 | 10 |
| | 90 | 24772 | 25220 | 25668 | 26117 | 26565 | 27013 | 27461 | 27909 | 28357 | 28804 | 29252 | **03 oo** |
| **97** | **oo** | 8.18 29252 | 29700 | 30148 | 30595 | 31043 | 31491 | 31938 | 32386 | 32833 | 33281 | 33728 | 90 |
| | 10 | 33728 | 34175 | 34622 | 35070 | 35517 | 35964 | 36411 | 36858 | 37305 | 37752 | 38199 | 80 |
| | 20 | 38199 | 38646 | 39093 | 39539 | 39986 | 40433 | 40879 | 41326 | 41772 | 42219 | 42665 | 70 |
| | 30 | 42665 | 43112 | 43558 | 44004 | 44451 | 44897 | 45343 | 45789 | 46235 | 46681 | 47127 | 60 |
| | 40 | 47127 | 47573 | 48019 | 48465 | 48911 | 49356 | 49802 | 50248 | 50693 | 51139 | 51585 | 50 |
| | 50 | 51585 | 52030 | 52475 | 52921 | 53366 | 53811 | 54257 | 54702 | 55147 | 55592 | 56037 | 40 |
| | 60 | 56037 | 56482 | 56927 | 57372 | 57817 | 58262 | 58707 | 59151 | 59596 | 60041 | 60485 | 30 |
| | 70 | 60485 | 60930 | 61374 | 61819 | 62263 | 62708 | 63152 | 63596 | 64041 | 64485 | 64929 | 20 |
| | 80 | 64929 | 65373 | 65817 | 66261 | 66705 | 67149 | 67593 | 68037 | 68481 | 68924 | 69368 | 10 |
| | 90 | 69368 | 69812 | 70255 | 70699 | 71142 | 71586 | 72029 | 72473 | 72916 | 73359 | 73803 | **02 oo** |
| **98** | **oo** | 8.18 73803 | 74246 | 74689 | 75132 | 75575 | 76018 | 76461 | 76904 | 77347 | 77790 | 78233 | 90 |
| | 10 | 78233 | 78675 | 79118 | 79561 | 80003 | 80446 | 80888 | 81331 | 81773 | 82216 | 82658 | 80 |
| | 20 | 82658 | 83100 | 83543 | 83985 | 84427 | 84869 | 85311 | 85753 | 86195 | 86637 | 87079 | 70 |
| | 30 | 87079 | 87521 | 87963 | 88405 | 88846 | 89288 | 89730 | 90171 | 90613 | 91054 | 91496 | 60 |
| | 40 | 91496 | 91937 | 92378 | 92820 | 93261 | 93702 | 94143 | 94585 | 95026 | 95467 | 95908 | 50 |
| | 50 | 8.18 95908 | 96349 | 96790 | 97230 | 97671 | 98112 | 98553 | 98993 | 99434 | 99875 | *00315 | 40 |
| | 60 | 8.19 00315 | 00756 | 01196 | 01637 | 02077 | 02517 | 02958 | 03398 | 03838 | 04278 | 04718 | 30 |
| | 70 | 04718 | 05158 | 05598 | 06038 | 06478 | 06918 | 07358 | 07798 | 08238 | 08677 | 09117 | 20 |
| | 80 | 09117 | 09557 | 09996 | 10436 | 10875 | 11315 | 11754 | 12193 | 12633 | 13072 | 13511 | 10 |
| | 90 | 13511 | 13950 | 14389 | 14828 | 15268 | 15707 | 16145 | 16584 | 17023 | 17462 | 17901 | **01 oo** |
| **99** | **oo** | 8.19 17901 | 18340 | 18778 | 19217 | 19655 | 20094 | 20533 | 20971 | 21409 | 21848 | 22286 | 90 |
| | 10 | 22286 | 22724 | 23163 | 23601 | 24039 | 24477 | 24915 | 25353 | 25791 | 26229 | 26667 | 80 |
| | 20 | 26667 | 27105 | 27543 | 27980 | 28418 | 28856 | 29293 | 29731 | 30169 | 30606 | 31043 | 70 |
| | 30 | 31043 | 31481 | 31918 | 32356 | 32793 | 33230 | 33667 | 34104 | 34541 | 34979 | 35416 | 60 |
| | 40 | 35416 | 35853 | 36289 | 36726 | 37163 | 37600 | 38037 | 38473 | 38910 | 39347 | 39783 | 50 |
| | 50 | 39783 | 40220 | 40656 | 41093 | 41529 | 41965 | 42402 | 42838 | 43274 | 43710 | 44147 | 40 |
| | 60 | 44147 | 44583 | 45019 | 45455 | 45891 | 46327 | 46762 | 47198 | 47634 | 48070 | 48505 | 30 |
| | 70 | 48505 | 48941 | 49377 | 49812 | 50248 | 50683 | 51119 | 51554 | 51989 | 52425 | 52860 | 20 |
| | 80 | 52860 | 53295 | 53730 | 54165 | 54601 | 55036 | 55471 | 55906 | 56340 | 56775 | 57210 | 10 |
| | 90 | 8.19 57210 | 57645 | 58080 | 58514 | 58949 | 59384 | 59818 | 60253 | 60687 | 61122 | 61556 | **00 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $99^g\,00^c$ — log ctg $99^g\,05^c$

## log sin $1^g\,00^c$ — log sin $1^g\,05^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **00** | **oo** | 8.19 61020 | 61454 | 61889 | 62323 | 62757 | 63191 | 63625 | 64059 | 64493 | 64927 | 65361 | 90 |
| | 10 | 65361 | 65794 | 66228 | 66662 | 67096 | 67529 | 67963 | 68396 | 68830 | 69263 | 69697 | 80 |
| | 20 | 69697 | 70130 | 70563 | 70997 | 71430 | 71863 | 72296 | 72729 | 73162 | 73595 | 74028 | 70 |
| | 30 | 74028 | 74461 | 74894 | 75327 | 75760 | 76193 | 76625 | 77058 | 77491 | 77923 | 78356 | 60 |
| | 40 | 78356 | 78788 | 79221 | 79653 | 80086 | 80518 | 80950 | 81383 | 81815 | 82247 | 82679 | 50 |
| | 50 | 82679 | 83111 | 83543 | 83975 | 84407 | 84839 | 85271 | 85703 | 86134 | 86566 | 86998 | 40 |
| | 60 | 86998 | 87429 | 87861 | 88293 | 88724 | 89156 | 89587 | 90018 | 90450 | 90881 | 91312 | 30 |
| | 70 | 91312 | 91744 | 92175 | 92606 | 93037 | 93468 | 93899 | 94330 | 94761 | 95192 | 95623 | 20 |
| | 80 | 95623 | 96053 | 96484 | 96915 | 97346 | 97776 | 98207 | 98637 | 99068 | 99498 | 99929 | 10 |
| | 90 | 8.19 99929 | *00359 | *00789 | *01220 | *01650 | *02080 | *02510 | *02940 | *03370 | *03800 | *04230 | **99 oo** |
| **01** | **oo** | 8.20 04230 | 04660 | 05090 | 05520 | 05950 | 06380 | 06809 | 07239 | 07669 | 08098 | 08528 | 90 |
| | 10 | 08528 | 08957 | 09387 | 09816 | 10246 | 10675 | 11104 | 11533 | 11963 | 12392 | 12821 | 80 |
| | 20 | 12821 | 13250 | 13679 | 14108 | 14537 | 14966 | 15395 | 15824 | 16252 | 16681 | 17110 | 70 |
| | 30 | 17110 | 17539 | 17967 | 18396 | 18824 | 19253 | 19681 | 20110 | 20538 | 20966 | 21395 | 60 |
| | 40 | 21395 | 21823 | 22251 | 22679 | 23107 | 23535 | 23963 | 24391 | 24819 | 25247 | 25675 | 50 |
| | 50 | 25675 | 26103 | 26531 | 26959 | 27386 | 27814 | 28241 | 28669 | 29097 | 29524 | 29951 | 40 |
| | 60 | 29951 | 30379 | 30806 | 31234 | 31661 | 32088 | 32515 | 32942 | 33369 | 33797 | 34224 | 30 |
| | 70 | 34224 | 34651 | 35077 | 35504 | 35931 | 36358 | 36785 | 37212 | 37638 | 38065 | 38491 | 20 |
| | 80 | 38491 | 38918 | 39345 | 39771 | 40197 | 40624 | 41050 | 41476 | 41903 | 42329 | 42755 | 10 |
| | 90 | 42755 | 43181 | 43607 | 44033 | 44459 | 44885 | 45311 | 45737 | 46163 | 46589 | 47015 | **98 oo** |
| **02** | **oo** | 8.20 47015 | 47440 | 47866 | 48292 | 48717 | 49143 | 49568 | 49994 | 50419 | 50845 | 51270 | 90 |
| | 10 | 51270 | 51695 | 52121 | 52546 | 52971 | 53396 | 53821 | 54246 | 54671 | 55096 | 55521 | 80 |
| | 20 | 55521 | 55946 | 56371 | 56796 | 57220 | 57645 | 58070 | 58495 | 58919 | 59344 | 59768 | 70 |
| | 30 | 59768 | 60193 | 60617 | 61041 | 61466 | 61890 | 62314 | 62739 | 63163 | 63587 | 64011 | 60 |
| | 40 | 64011 | 64435 | 64859 | 65283 | 65707 | 66131 | 66555 | 66979 | 67402 | 67826 | 68250 | 50 |
| | 50 | 68250 | 68673 | 69097 | 69521 | 69944 | 70368 | 70791 | 71214 | 71638 | 72061 | 72484 | 40 |
| | 60 | 72484 | 72908 | 73331 | 73754 | 74177 | 74600 | 75023 | 75446 | 75869 | 76292 | 76715 | 30 |
| | 70 | 76715 | 77138 | 77560 | 77983 | 78406 | 78829 | 79251 | 79674 | 80096 | 80519 | 80941 | 20 |
| | 80 | 80941 | 81364 | 81786 | 82208 | 82631 | 83053 | 83475 | 83897 | 84319 | 84741 | 85163 | 10 |
| | 90 | 85163 | 85585 | 86007 | 86429 | 86851 | 87273 | 87695 | 88117 | 88538 | 88960 | 89382 | **97 oo** |
| **03** | **oo** | 8.20 89382 | 89803 | 90225 | 90646 | 91068 | 91489 | 91910 | 92332 | 92753 | 93174 | 93596 | 90 |
| | 10 | 93596 | 94017 | 94438 | 94859 | 95280 | 95701 | 96122 | 96543 | 96964 | 97385 | 97806 | 80 |
| | 20 | 8.20 97806 | 98226 | 98647 | 99068 | 99488 | 99909 | *00330 | *00750 | *01171 | *01591 | *02011 | 70 |
| | 30 | 8.21 02011 | 02432 | 02852 | 03272 | 03693 | 04113 | 04533 | 04953 | 05373 | 05793 | 06213 | 60 |
| | 40 | 06213 | 06633 | 07053 | 07473 | 07893 | 08313 | 08732 | 09152 | 09572 | 09991 | 10411 | 50 |
| | 50 | 10411 | 10831 | 11250 | 11669 | 12089 | 12508 | 12928 | 13347 | 13766 | 14185 | 14605 | 40 |
| | 60 | 14605 | 15024 | 15443 | 15862 | 16281 | 16700 | 17119 | 17538 | 17957 | 18375 | 18794 | 30 |
| | 70 | 18794 | 19213 | 19632 | 20050 | 20469 | 20888 | 21306 | 21725 | 22143 | 22561 | 22980 | 20 |
| | 80 | 22980 | 23398 | 23817 | 24235 | 24653 | 25071 | 25489 | 25907 | 26325 | 26743 | 27161 | 10 |
| | 90 | 27161 | 27579 | 27997 | 28415 | 28833 | 29251 | 29668 | 30086 | 30504 | 30921 | 31339 | **96 oo** |
| **04** | **oo** | 8.21 31339 | 31757 | 32174 | 32591 | 33009 | 33426 | 33844 | 34261 | 34678 | 35095 | 35513 | 90 |
| | 10 | 35513 | 35930 | 36347 | 36764 | 37181 | 37598 | 38015 | 38432 | 38848 | 39265 | 39682 | 80 |
| | 20 | 39682 | 40099 | 40515 | 40932 | 41349 | 41765 | 42182 | 42598 | 43015 | 43431 | 43848 | 70 |
| | 30 | 43848 | 44264 | 44680 | 45096 | 45513 | 45929 | 46345 | 46761 | 47177 | 47593 | 48009 | 60 |
| | 40 | 48009 | 48425 | 48841 | 49257 | 49673 | 50088 | 50504 | 50920 | 51335 | 51751 | 52167 | 50 |
| | 50 | 52167 | 52582 | 52998 | 53413 | 53829 | 54244 | 54659 | 55075 | 55490 | 55905 | 56320 | 40 |
| | 60 | 56320 | 56735 | 57150 | 57566 | 57981 | 58396 | 58810 | 59225 | 59640 | 60055 | 60470 | 30 |
| | 70 | 60470 | 60885 | 61299 | 61714 | 62129 | 62543 | 62958 | 63372 | 63787 | 64201 | 64615 | 20 |
| | 80 | 64615 | 65030 | 65444 | 65858 | 66273 | 66687 | 67101 | 67515 | 67929 | 68343 | 68757 | 10 |
| | 90 | 8.21 68757 | 69171 | 69585 | 69999 | 70413 | 70826 | 71240 | 71654 | 72068 | 72481 | 72895 | **95 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $98^g\,95^c$ — log cos $99^g\,00^c$

## log tg $1^g\,00^c$ — log tg $1^g\,05^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **00** | **oo** | 8.19 61556 | 61990 | 62425 | 62859 | 63293 | 63727 | 64161 | 64595 | 65030 | 65464 | 65897 | 90 |
| | 10 | 65897 | 66331 | 66765 | 67199 | 67633 | 68067 | 68500 | 68934 | 69368 | 69801 | 70235 | 80 |
| | 20 | 70235 | 70668 | 71102 | 71535 | 71968 | 72402 | 72835 | 73268 | 73701 | 74134 | 74567 | 70 |
| | 30 | 74567 | 75001 | 75434 | 75866 | 76299 | 76732 | 77165 | 77598 | 78031 | 78463 | 78896 | 60 |
| | 40 | 78896 | 79329 | 79761 | 80194 | 80626 | 81059 | 81491 | 81923 | 82356 | 82788 | 83220 | 50 |
| | 50 | 83220 | 83652 | 84085 | 84517 | 84949 | 85381 | 85813 | 86245 | 86676 | 87108 | 87540 | 40 |
| | 60 | 87540 | 87972 | 88404 | 88835 | 89267 | 89698 | 90130 | 90561 | 90993 | 91424 | 91856 | 30 |
| | 70 | 91856 | 92287 | 92718 | 93150 | 93581 | 94012 | 94443 | 94874 | 95305 | 95736 | 96167 | 20 |
| | 80 | 8.19 96167 | 96598 | 97029 | 97460 | 97890 | 98321 | 98752 | 99182 | 99613 | *00044 | *00474 | 10 |
| | 90 | 8.20 00474 | 00905 | 01335 | 01765 | 02196 | 02626 | 03056 | 03487 | 03917 | 04347 | 04777 | **99 oo** |
| **01** | **oo** | 8.20 04777 | 05207 | 05637 | 06067 | 06497 | 06927 | 07357 | 07786 | 08216 | 08646 | 09075 | 90 |
| | 10 | 09075 | 09505 | 09935 | 10364 | 10794 | 11223 | 11653 | 12082 | 12511 | 12940 | 13370 | 80 |
| | 20 | 13370 | 13799 | 14228 | 14657 | 15086 | 15515 | 15944 | 16373 | 16802 | 17231 | 17660 | 70 |
| | 30 | 17660 | 18089 | 18517 | 18946 | 19375 | 19803 | 20232 | 20660 | 21089 | 21517 | 21946 | 60 |
| | 40 | 21946 | 22374 | 22802 | 23231 | 23659 | 24087 | 24515 | 24943 | 25371 | 25799 | 26227 | 50 |
| | 50 | 26227 | 26655 | 27083 | 27511 | 27939 | 28366 | 28794 | 29222 | 29649 | 30077 | 30505 | 40 |
| | 60 | 30505 | 30932 | 31360 | 31787 | 32214 | 32642 | 33069 | 33496 | 33923 | 34351 | 34778 | 30 |
| | 70 | 34778 | 35205 | 35632 | 36059 | 36486 | 36913 | 37340 | 37766 | 38193 | 38620 | 39047 | 20 |
| | 80 | 39047 | 39473 | 39900 | 40327 | 40753 | 41180 | 41606 | 42033 | 42459 | 42885 | 43312 | 10 |
| | 90 | 43312 | 43738 | 44164 | 44590 | 45016 | 45442 | 45868 | 46294 | 46720 | 47146 | 47572 | **98 oo** |
| **02** | **oo** | 8.20 47572 | 47998 | 48424 | 48850 | 49275 | 49701 | 50126 | 50552 | 50978 | 51403 | 51829 | 90 |
| | 10 | 51829 | 52254 | 52679 | 53105 | 53530 | 53955 | 54380 | 54806 | 55231 | 55656 | 56081 | 80 |
| | 20 | 56081 | 56506 | 56931 | 57356 | 57781 | 58205 | 58630 | 59055 | 59480 | 59904 | 60329 | 70 |
| | 30 | 60329 | 60754 | 61178 | 61603 | 62027 | 62451 | 62876 | 63300 | 63724 | 64149 | 64573 | 60 |
| | 40 | 64573 | 64997 | 65421 | 65845 | 66269 | 66693 | 67117 | 67541 | 67965 | 68389 | 68813 | 50 |
| | 50 | 68813 | 69236 | 69660 | 70084 | 70507 | 70931 | 71355 | 71778 | 72202 | 72625 | 73048 | 40 |
| | 60 | 73048 | 73472 | 73895 | 74318 | 74742 | 75165 | 75588 | 76011 | 76434 | 76857 | 77280 | 30 |
| | 70 | 77280 | 77703 | 78126 | 78549 | 78971 | 79394 | 79817 | 80240 | 80662 | 81085 | 81507 | 20 |
| | 80 | 81507 | 81930 | 82352 | 82775 | 83197 | 83620 | 84042 | 84464 | 84886 | 85309 | 85731 | 10 |
| | 90 | 85731 | 86153 | 86575 | 86997 | 87419 | 87841 | 88263 | 88685 | 89106 | 89528 | 89950 | **97 oo** |
| **03** | **oo** | 8.20 89950 | 90372 | 90793 | 91215 | 91637 | 92058 | 92480 | 92901 | 93322 | 93744 | 94165 | 90 |
| | 10 | 94165 | 94586 | 95008 | 95429 | 95850 | 96271 | 96692 | 97113 | 97534 | 97955 | 98376 | 80 |
| | 20 | 8.20 98376 | 98797 | 99218 | 99639 | *00059 | *00480 | *00901 | *01321 | *01742 | *02163 | *02583 | 70 |
| | 30 | 8.21 02583 | 03004 | 03424 | 03844 | 04265 | 04685 | 05105 | 05526 | 05946 | 06366 | 06786 | 60 |
| | 40 | 06786 | 07206 | 07626 | 08046 | 08466 | 08886 | 09306 | 09726 | 10145 | 10565 | 10985 | 50 |
| | 50 | 10985 | 11405 | 11824 | 12244 | 12663 | 13083 | 13502 | 13922 | 14341 | 14760 | 15180 | 40 |
| | 60 | 15180 | 15599 | 16018 | 16437 | 16857 | 17276 | 17695 | 18114 | 18533 | 18952 | 19370 | 30 |
| | 70 | 19370 | 19789 | 20208 | 20627 | 21046 | 21464 | 21883 | 22302 | 22720 | 23139 | 23557 | 20 |
| | 80 | 23557 | 23976 | 24394 | 24812 | 25231 | 25649 | 26067 | 26485 | 26904 | 27322 | 27740 | 10 |
| | 90 | 27740 | 28158 | 28576 | 28994 | 29412 | 29830 | 30248 | 30665 | 31083 | 31501 | 31919 | **96 oo** |
| **04** | **oo** | 8.21 31919 | 32336 | 32754 | 33171 | 33589 | 34006 | 34424 | 34841 | 35259 | 35676 | 36093 | 90 |
| | 10 | 36093 | 36510 | 36928 | 37345 | 37762 | 38179 | 38596 | 39013 | 39430 | 39847 | 40264 | 80 |
| | 20 | 40264 | 40681 | 41097 | 41514 | 41931 | 42348 | 42764 | 43181 | 43597 | 44014 | 44430 | 70 |
| | 30 | 44430 | 44847 | 45263 | 45680 | 46096 | 46512 | 46929 | 47345 | 47761 | 48177 | 48593 | 60 |
| | 40 | 48593 | 49009 | 49425 | 49841 | 50257 | 50673 | 51089 | 51505 | 51920 | 52336 | 52752 | 50 |
| | 50 | 52752 | 53167 | 53583 | 53999 | 54414 | 54830 | 55245 | 55660 | 56076 | 56491 | 56906 | 40 |
| | 60 | 56906 | 57322 | 57737 | 58152 | 58567 | 58982 | 59397 | 59812 | 60227 | 60642 | 61057 | 30 |
| | 70 | 61057 | 61472 | 61887 | 62302 | 62716 | 63131 | 63546 | 63960 | 64375 | 64789 | 65204 | 20 |
| | 80 | 65204 | 65618 | 66033 | 66447 | 66862 | 67276 | 67690 | 68104 | 68518 | 68933 | 69347 | 10 |
| | 90 | 8.21 69347 | 69761 | 70175 | 70589 | 71003 | 71417 | 71831 | 72244 | 72658 | 73072 | 73486 | **95 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $98^g\,95^c$ — log ctg $99^g\,00^c$

## log sin $1^g\,05^c$ — log sin $1^g\,10^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **05** | **oo** | 8.21 72895 | 73308 | 73722 | 74135 | 74549 | 74962 | 75376 | 75789 | 76202 | 76615 | 77029 | 90 |
| | 10 | 77029 | 77442 | 77855 | 78268 | 78681 | 79094 | 79507 | 79920 | 80333 | 80746 | 81159 | 80 |
| | 20 | 81159 | 81571 | 81984 | 82397 | 82809 | 83222 | 83635 | 84047 | 84460 | 84872 | 85284 | 70 |
| | 30 | 85284 | 85697 | 86109 | 86521 | 86934 | 87346 | 87758 | 88170 | 88582 | 88994 | 89406 | 60 |
| | 40 | 89406 | 89818 | 90230 | 90642 | 91054 | 91466 | 91878 | 92290 | 92701 | 93113 | 93525 | 50 |
| | 50 | 93525 | 93936 | 94348 | 94759 | 95171 | 95582 | 95994 | 96405 | 96816 | 97228 | 97639 | 40 |
| | 60 | 8.21 97639 | 98050 | 98461 | 98872 | 99283 | 99694 | *00105 | *00516 | *00927 | *01338 | *01749 | 30 |
| | 70 | 8.22 01749 | 02160 | 02571 | 02981 | 03392 | 03803 | 04213 | 04624 | 05035 | 05445 | 05856 | 20 |
| | 80 | 05856 | 06266 | 06676 | 07087 | 07497 | 07907 | 08318 | 08728 | 09138 | 09548 | 09958 | 10 |
| | 90 | 09958 | 10368 | 10778 | 11188 | 11598 | 12008 | 12418 | 12828 | 13237 | 13647 | 14057 | **94 oo** |
| **06** | **oo** | 8.22 14057 | 14466 | 14876 | 15286 | 15695 | 16105 | 16514 | 16924 | 17333 | 17742 | 18152 | 90 |
| | 10 | 18152 | 18561 | 18970 | 19379 | 19788 | 20198 | 20607 | 21016 | 21425 | 21834 | 22243 | 80 |
| | 20 | 22243 | 22651 | 23060 | 23469 | 23878 | 24287 | 24695 | 25104 | 25512 | 25921 | 26330 | 70 |
| | 30 | 26330 | 26738 | 27147 | 27555 | 27963 | 28372 | 28780 | 29188 | 29597 | 30005 | 30413 | 60 |
| | 40 | 30413 | 30821 | 31229 | 31637 | 32045 | 32453 | 32861 | 33269 | 33677 | 34085 | 34492 | 50 |
| | 50 | 34492 | 34900 | 35308 | 35715 | 36123 | 36531 | 36938 | 37346 | 37753 | 38160 | 38568 | 40 |
| | 60 | 38568 | 38975 | 39383 | 39790 | 40197 | 40604 | 41011 | 41419 | 41826 | 42233 | 42640 | 30 |
| | 70 | 42640 | 43047 | 43454 | 43860 | 44267 | 44674 | 45081 | 45488 | 45894 | 46301 | 46708 | 20 |
| | 80 | 46708 | 47114 | 47521 | 47927 | 48334 | 48740 | 49147 | 49553 | 49959 | 50365 | 50772 | 10 |
| | 90 | 50772 | 51178 | 51584 | 51990 | 52396 | 52802 | 53208 | 53614 | 54020 | 54426 | 54832 | **93 oo** |
| **07** | **oo** | 8.22 54832 | 55238 | 55644 | 56049 | 56455 | 56861 | 57266 | 57672 | 58078 | 58483 | 58889 | 90 |
| | 10 | 58889 | 59294 | 59699 | 60105 | 60510 | 60915 | 61321 | 61726 | 62131 | 62536 | 62941 | 80 |
| | 20 | 62941 | 63346 | 63751 | 64156 | 64561 | 64966 | 65371 | 65776 | 66181 | 66586 | 66990 | 70 |
| | 30 | 66990 | 67395 | 67800 | 68204 | 68609 | 69013 | 69418 | 69822 | 70227 | 70631 | 71036 | 60 |
| | 40 | 71036 | 71440 | 71844 | 72248 | 72653 | 73057 | 73461 | 73865 | 74269 | 74673 | 75077 | 50 |
| | 50 | 75077 | 75481 | 75885 | 76289 | 76693 | 77096 | 77500 | 77904 | 78307 | 78711 | 79115 | 40 |
| | 60 | 79115 | 79518 | 79922 | 80325 | 80729 | 81132 | 81536 | 81939 | 82342 | 82745 | 83149 | 30 |
| | 70 | 83149 | 83552 | 83955 | 84358 | 84761 | 85164 | 85567 | 85970 | 86373 | 86776 | 87179 | 20 |
| | 80 | 87179 | 87582 | 87984 | 88387 | 88790 | 89193 | 89595 | 89998 | 90400 | 90803 | 91205 | 10 |
| | 90 | 91205 | 91608 | 92010 | 92412 | 92815 | 93217 | 93619 | 94022 | 94424 | 94826 | 95228 | **92 oo** |
| **08** | **oo** | 8.22 95228 | 95630 | 96032 | 96434 | 96836 | 97238 | 97640 | 98042 | 98444 | 98845 | 99247 | 90 |
| | 10 | 8.22 99247 | 99649 | *00050 | *00452 | *00854 | *01255 | *01657 | *02058 | *02460 | *02861 | *03262 | 80 |
| | 20 | 8.23 03262 | 03664 | 04065 | 04466 | 04867 | 05269 | 05670 | 06071 | 06472 | 06873 | 07274 | 70 |
| | 30 | 07274 | 07675 | 08076 | 08477 | 08877 | 09278 | 09679 | 10080 | 10480 | 10881 | 11282 | 60 |
| | 40 | 11282 | 11682 | 12083 | 12483 | 12884 | 13284 | 13685 | 14085 | 14485 | 14886 | 15286 | 50 |
| | 50 | 15286 | 15686 | 16086 | 16486 | 16887 | 17287 | 17687 | 18087 | 18487 | 18887 | 19286 | 40 |
| | 60 | 19286 | 19686 | 20086 | 20486 | 20886 | 21285 | 21685 | 22085 | 22484 | 22884 | 23283 | 30 |
| | 70 | 23283 | 23683 | 24082 | 24482 | 24881 | 25280 | 25680 | 26079 | 26478 | 26877 | 27276 | 20 |
| | 80 | 27276 | 27675 | 28074 | 28474 | 28873 | 29271 | 29670 | 30069 | 30468 | 30867 | 31266 | 10 |
| | 90 | 31266 | 31665 | 32063 | 32462 | 32861 | 33259 | 33658 | 34056 | 34455 | 34853 | 35252 | **91 oo** |
| **09** | **oo** | 8.23 35252 | 35650 | 36048 | 36447 | 36845 | 37243 | 37641 | 38039 | 38438 | 38836 | 39234 | 90 |
| | 10 | 39234 | 39632 | 40030 | 40428 | 40826 | 41223 | 41621 | 42019 | 42417 | 42814 | 43212 | 80 |
| | 20 | 43212 | 43610 | 44007 | 44405 | 44803 | 45200 | 45598 | 45995 | 46392 | 46790 | 47187 | 70 |
| | 30 | 47187 | 47584 | 47982 | 48379 | 48776 | 49173 | 49570 | 49967 | 50364 | 50761 | 51158 | 60 |
| | 40 | 51158 | 51555 | 51952 | 52349 | 52746 | 53142 | 53539 | 53936 | 54333 | 54729 | 55126 | 50 |
| | 50 | 55126 | 55522 | 55919 | 56315 | 56712 | 57108 | 57505 | 57901 | 58297 | 58694 | 59090 | 40 |
| | 60 | 59090 | 59486 | 59882 | 60278 | 60674 | 61070 | 61466 | 61862 | 62258 | 62654 | 63050 | 30 |
| | 70 | 63050 | 63446 | 63842 | 64238 | 64633 | 65029 | 65425 | 65820 | 66216 | 66611 | 67007 | 20 |
| | 80 | 67007 | 67402 | 67798 | 68193 | 68589 | 68984 | 69379 | 69774 | 70170 | 70565 | 70960 | 10 |
| | 90 | 8.23 70960 | 71355 | 71750 | 72145 | 72540 | 72935 | 73330 | 73725 | 74120 | 74515 | 74910 | **90 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $98^g\,90^c$ — log cos $98^g\,95^c$

## log tg $1^g\,05^c$ — log tg $1^g\,10^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **05** | **oo** | 8.21 73486 | 73899 | 74313 | 74726 | 75140 | 75554 | 75967 | 76380 | 76794 | 77207 | 77621 | 90 |
| | 10 | 77621 | 78034 | 78447 | 78860 | 79273 | 79686 | 80100 | 80513 | 80926 | 81339 | 81752 | 80 |
| | 20 | 81752 | 82164 | 82577 | 82990 | 83403 | 83816 | 84228 | 84641 | 85053 | 85466 | 85879 | 70 |
| | 30 | 85879 | 86291 | 86704 | 87116 | 87528 | 87941 | 88353 | 88765 | 89177 | 89590 | 90002 | 60 |
| | 40 | 90002 | 90414 | 90826 | 91238 | 91650 | 92062 | 92474 | 92886 | 93297 | 93709 | 94121 | 50 |
| | 50 | 94121 | 94533 | 94944 | 95356 | 95768 | 96179 | 96591 | 97002 | 97414 | 97825 | 98236 | 40 |
| | 60 | 8.21 98236 | 98648 | 99059 | 99470 | 99881 | *00293 | *00704 | *01115 | *01526 | *01937 | *02348 | 30 |
| | 70 | 8.22 02348 | 02759 | 03170 | 03580 | 03991 | 04402 | 04813 | 05223 | 05634 | 06045 | 06455 | 20 |
| | 80 | 06455 | 06866 | 07276 | 07687 | 08097 | 08508 | 08918 | 09328 | 09739 | 10149 | 10559 | 10 |
| | 90 | 10559 | 10969 | 11379 | 11789 | 12199 | 12609 | 13019 | 13429 | 13839 | 14249 | 14659 | **94 oo** |
| **06** | **oo** | 8.22 14659 | 15069 | 15478 | 15888 | 16298 | 16707 | 17117 | 17526 | 17936 | 18345 | 18755 | 90 |
| | 10 | 18755 | 19164 | 19573 | 19983 | 20392 | 20801 | 21210 | 21620 | 22029 | 22438 | 22847 | 80 |
| | 20 | 22847 | 23256 | 23665 | 24074 | 24483 | 24891 | 25300 | 25709 | 26118 | 26526 | 26935 | 70 |
| | 30 | 26935 | 27344 | 27752 | 28161 | 28569 | 28978 | 29386 | 29795 | 30203 | 30611 | 31019 | 60 |
| | 40 | 31019 | 31428 | 31836 | 32244 | 32652 | 33060 | 33468 | 33876 | 34284 | 34692 | 35100 | 50 |
| | 50 | 35100 | 35508 | 35916 | 36323 | 36731 | 37139 | 37547 | 37954 | 38362 | 38769 | 39177 | 40 |
| | 60 | 39177 | 39584 | 39992 | 40399 | 40806 | 41214 | 41621 | 42028 | 42435 | 42843 | 43250 | 30 |
| | 70 | 43250 | 43657 | 44064 | 44471 | 44878 | 45285 | 45692 | 46098 | 46505 | 46912 | 47319 | 20 |
| | 80 | 47319 | 47725 | 48132 | 48539 | 48945 | 49352 | 49758 | 50165 | 50571 | 50978 | 51384 | 10 |
| | 90 | 51384 | 51790 | 52197 | 52603 | 53009 | 53415 | 53821 | 54227 | 54634 | 55040 | 55446 | **93 oo** |
| **07** | **oo** | 8.22 55446 | 55851 | 56257 | 56663 | 57069 | 57475 | 57881 | 58286 | 58692 | 59098 | 59503 | 90 |
| | 10 | 59503 | 59909 | 60314 | 60720 | 61125 | 61531 | 61936 | 62341 | 62747 | 63152 | 63557 | 80 |
| | 20 | 63557 | 63962 | 64367 | 64773 | 65178 | 65583 | 65988 | 66393 | 66798 | 67202 | 67607 | 70 |
| | 30 | 67607 | 68012 | 68417 | 68822 | 69226 | 69631 | 70036 | 70440 | 70845 | 71249 | 71654 | 60 |
| | 40 | 71654 | 72058 | 72462 | 72867 | 73271 | 73675 | 74080 | 74484 | 74888 | 75292 | 75696 | 50 |
| | 50 | 75696 | 76100 | 76504 | 76908 | 77312 | 77716 | 78120 | 78524 | 78928 | 79331 | 79735 | 40 |
| | 60 | 79735 | 80139 | 80542 | 80946 | 81350 | 81753 | 82157 | 82560 | 82963 | 83367 | 83770 | 30 |
| | 70 | 83770 | 84173 | 84577 | 84980 | 85383 | 85786 | 86189 | 86592 | 86996 | 87399 | 87801 | 20 |
| | 80 | 87801 | 88204 | 88607 | 89010 | 89413 | 89816 | 90219 | 90621 | 91024 | 91427 | 91829 | 10 |
| | 90 | 91829 | 92232 | 92634 | 93037 | 93439 | 93842 | 94244 | 94646 | 95049 | 95451 | 95853 | **92 oo** |
| **08** | **oo** | 8.22 95853 | 96255 | 96657 | 97059 | 97461 | 97864 | 98266 | 98667 | 99069 | 99471 | 99873 | 90 |
| | 10 | 8.22 99873 | *00275 | *00677 | *01078 | *01480 | *01882 | *02283 | *02685 | *03087 | *03488 | *03890 | 80 |
| | 20 | 8.23 03890 | 04291 | 04692 | 05094 | 05495 | 05896 | 06298 | 06699 | 07100 | 07501 | 07902 | 70 |
| | 30 | 07902 | 08303 | 08704 | 09105 | 09506 | 09907 | 10308 | 10709 | 11110 | 11511 | 11911 | 60 |
| | 40 | 11911 | 12312 | 12713 | 13113 | 13514 | 13914 | 14315 | 14715 | 15116 | 15516 | 15917 | 50 |
| | 50 | 15917 | 16317 | 16717 | 17118 | 17518 | 17918 | 18318 | 18718 | 19118 | 19518 | 19918 | 40 |
| | 60 | 19918 | 20318 | 20718 | 21118 | 21518 | 21918 | 22318 | 22717 | 23117 | 23517 | 23916 | 30 |
| | 70 | 23916 | 24316 | 24715 | 25115 | 25514 | 25914 | 26313 | 26713 | 27112 | 27511 | 27911 | 20 |
| | 80 | 27911 | 28310 | 28709 | 29108 | 29507 | 29906 | 30305 | 30704 | 31103 | 31502 | 31901 | 10 |
| | 90 | 31901 | 32300 | 32699 | 33098 | 33496 | 33895 | 34294 | 34692 | 35091 | 35490 | 35888 | **91 oo** |
| **09** | **oo** | 8.23 35888 | 36287 | 36685 | 37084 | 37482 | 37880 | 38279 | 38677 | 39075 | 39473 | 39871 | 90 |
| | 10 | 39871 | 40270 | 40668 | 41066 | 41464 | 41862 | 42260 | 42658 | 43055 | 43453 | 43851 | 80 |
| | 20 | 43851 | 44249 | 44647 | 45044 | 45442 | 45840 | 46237 | 46635 | 47032 | 47430 | 47827 | 70 |
| | 30 | 47827 | 48225 | 48622 | 49019 | 49417 | 49814 | 50211 | 50608 | 51005 | 51402 | 51800 | 60 |
| | 40 | 51800 | 52197 | 52594 | 52991 | 53387 | 53784 | 54181 | 54578 | 54975 | 55372 | 55768 | 50 |
| | 50 | 55768 | 56165 | 56562 | 56958 | 57355 | 57751 | 58148 | 58544 | 58941 | 59337 | 59733 | 40 |
| | 60 | 59733 | 60130 | 60526 | 60922 | 61318 | 61715 | 62111 | 62507 | 62903 | 63299 | 63695 | 30 |
| | 70 | 63695 | 64091 | 64487 | 64883 | 65279 | 65674 | 66070 | 66466 | 66862 | 67257 | 67653 | 20 |
| | 80 | 67653 | 68048 | 68444 | 68840 | 69235 | 69630 | 70026 | 70421 | 70817 | 71212 | 71607 | 10 |
| | 90 | 8.23 71607 | 72002 | 72398 | 72793 | 73188 | 73583 | 73978 | 74373 | 74768 | 75163 | 75558 | **90 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $98^g\,90^c$ — log ctg $98^g\,95^c$

## log sin $1^g\,10^c$ — log sin $1^g\,15^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **10** | **oo** | 8.23 74910 | 75304 | 75699 | 76094 | 76488 | 76883 | 77278 | 77672 | 78067 | 78461 | 78855 | 90 |
| | 10 | 78855 | 79250 | 79644 | 80039 | 80433 | 80827 | 81221 | 81615 | 82010 | 82404 | 82798 | 80 |
| | 20 | 82798 | 83192 | 83586 | 83980 | 84374 | 84768 | 85162 | 85555 | 85949 | 86343 | 86737 | 70 |
| | 30 | 86737 | 87130 | 87524 | 87918 | 88311 | 88705 | 89098 | 89492 | 89885 | 90278 | 90672 | 60 |
| | 40 | 90672 | 91065 | 91458 | 91852 | 92245 | 92638 | 93031 | 93424 | 93817 | 94210 | 94603 | 50 |
| | 50 | 94603 | 94996 | 95389 | 95782 | 96175 | 96568 | 96961 | 97354 | 97746 | 98139 | 98532 | 40 |
| | 60 | 8.23 98532 | 98924 | 99317 | 99709 | *00102 | *00494 | *00887 | *01279 | *01671 | *02064 | *02456 | 30 |
| | 70 | 8.24 02456 | 02848 | 03241 | 03633 | 04025 | 04417 | 04809 | 05201 | 05593 | 05985 | 06377 | 20 |
| | 80 | 06377 | 06769 | 07161 | 07553 | 07945 | 08336 | 08728 | 09120 | 09511 | 09903 | 10295 | 10 |
| | 90 | 10295 | 10686 | 11078 | 11469 | 11861 | 12252 | 12643 | 13035 | 13426 | 13817 | 14209 | **89 oo** |
| **11** | **oo** | 8.24 14209 | 14600 | 14991 | 15382 | 15773 | 16164 | 16555 | 16946 | 17337 | 17728 | 18119 | 90 |
| | 10 | 18119 | 18510 | 18901 | 19291 | 19682 | 20073 | 20463 | 20854 | 21245 | 21635 | 22026 | 80 |
| | 20 | 22026 | 22416 | 22807 | 23197 | 23588 | 23978 | 24368 | 24759 | 25149 | 25539 | 25929 | 70 |
| | 30 | 25929 | 26319 | 26709 | 27099 | 27490 | 27880 | 28270 | 28659 | 29049 | 29439 | 29829 | 60 |
| | 40 | 29829 | 30219 | 30609 | 30998 | 31388 | 31778 | 32167 | 32557 | 32946 | 33336 | 33725 | 50 |
| | 50 | 33725 | 34115 | 34504 | 34894 | 35283 | 35672 | 36062 | 36451 | 36840 | 37229 | 37618 | 40 |
| | 60 | 37618 | 38007 | 38396 | 38785 | 39174 | 39563 | 39952 | 40341 | 40730 | 41119 | 41508 | 30 |
| | 70 | 41508 | 41896 | 42285 | 42674 | 43062 | 43451 | 43840 | 44228 | 44617 | 45005 | 45394 | 20 |
| | 80 | 45394 | 45782 | 46170 | 46559 | 46947 | 47335 | 47723 | 48112 | 48500 | 48888 | 49276 | 10 |
| | 90 | 49276 | 49664 | 50052 | 50440 | 50828 | 51216 | 51604 | 51992 | 52379 | 52767 | 53155 | **88 oo** |
| **12** | **oo** | 8.24 53155 | 53543 | 53930 | 54318 | 54706 | 55093 | 55481 | 55868 | 56256 | 56643 | 57030 | 90 |
| | 10 | 57030 | 57418 | 57805 | 58192 | 58580 | 58967 | 59354 | 59741 | 60128 | 60515 | 60903 | 80 |
| | 20 | 60903 | 61290 | 61676 | 62063 | 62450 | 62837 | 63224 | 63611 | 63998 | 64384 | 64771 | 70 |
| | 30 | 64771 | 65158 | 65544 | 65931 | 66318 | 66704 | 67091 | 67477 | 67863 | 68250 | 68636 | 60 |
| | 40 | 68636 | 69023 | 69409 | 69795 | 70181 | 70568 | 70954 | 71340 | 71726 | 72112 | 72498 | 50 |
| | 50 | 72498 | 72884 | 73270 | 73656 | 74042 | 74428 | 74813 | 75199 | 75585 | 75971 | 76356 | 40 |
| | 60 | 76356 | 76742 | 77127 | 77513 | 77899 | 78284 | 78670 | 79055 | 79440 | 79826 | 80211 | 30 |
| | 70 | 80211 | 80596 | 80982 | 81367 | 81752 | 82137 | 82522 | 82907 | 83293 | 83678 | 84063 | 20 |
| | 80 | 84063 | 84447 | 84832 | 85217 | 85602 | 85987 | 86372 | 86756 | 87141 | 87526 | 87911 | 10 |
| | 90 | 87911 | 88295 | 88680 | 89064 | 89449 | 89833 | 90218 | 90602 | 90987 | 91371 | 91755 | **87 oo** |
| **13** | **oo** | 8.24 91755 | 92139 | 92524 | 92908 | 93292 | 93676 | 94060 | 94444 | 94828 | 95212 | 95596 | 90 |
| | 10 | 95596 | 95980 | 96364 | 96748 | 97132 | 97516 | 97899 | 98283 | 98667 | 99051 | 99434 | 80 |
| | 20 | 8.24 99434 | 99818 | *00201 | *00585 | *00968 | *01352 | *01735 | *02119 | *02502 | *02885 | *03269 | 70 |
| | 30 | 8.25 03269 | 03652 | 04035 | 04418 | 04801 | 05185 | 05568 | 05951 | 06334 | 06717 | 07100 | 60 |
| | 40 | 07100 | 07483 | 07865 | 08248 | 08631 | 09014 | 09397 | 09779 | 10162 | 10545 | 10927 | 50 |
| | 50 | 10927 | 11310 | 11692 | 12075 | 12457 | 12840 | 13222 | 13605 | 13987 | 14369 | 14752 | 40 |
| | 60 | 14752 | 15134 | 15516 | 15898 | 16280 | 16662 | 17045 | 17427 | 17809 | 18191 | 18573 | 30 |
| | 70 | 18573 | 18954 | 19336 | 19718 | 20100 | 20482 | 20863 | 21245 | 21627 | 22008 | 22390 | 20 |
| | 80 | 22390 | 22772 | 23153 | 23535 | 23916 | 24298 | 24679 | 25060 | 25442 | 25823 | 26204 | 10 |
| | 90 | 26204 | 26586 | 26967 | 27348 | 27729 | 28110 | 28491 | 28872 | 29253 | 29634 | 30015 | **86 oo** |
| **14** | **oo** | 8.25 30015 | 30396 | 30777 | 31158 | 31539 | 31919 | 32300 | 32681 | 33061 | 33442 | 33823 | 90 |
| | 10 | 33823 | 34203 | 34584 | 34964 | 35345 | 35725 | 36106 | 36486 | 36866 | 37247 | 37627 | 80 |
| | 20 | 37627 | 38007 | 38387 | 38767 | 39148 | 39528 | 39908 | 40288 | 40668 | 41048 | 41428 | 70 |
| | 30 | 41428 | 41808 | 42188 | 42567 | 42947 | 43327 | 43707 | 44086 | 44466 | 44846 | 45225 | 60 |
| | 40 | 45225 | 45605 | 45984 | 46364 | 46743 | 47123 | 47502 | 47882 | 48261 | 48640 | 49019 | 50 |
| | 50 | 49019 | 49399 | 49778 | 50157 | 50536 | 50915 | 51294 | 51673 | 52052 | 52431 | 52810 | 40 |
| | 60 | 52810 | 53189 | 53568 | 53947 | 54326 | 54705 | 55083 | 55462 | 55841 | 56219 | 56598 | 30 |
| | 70 | 56598 | 56977 | 57355 | 57734 | 58112 | 58491 | 58869 | 59247 | 59626 | 60004 | 60382 | 20 |
| | 80 | 60382 | 60761 | 61139 | 61517 | 61895 | 62273 | 62651 | 63029 | 63407 | 63785 | 64163 | 10 |
| | 90 | 8.25 64163 | 64541 | 64919 | 65297 | 65675 | 66053 | 66430 | 66808 | 67186 | 67563 | 67941 | **85 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $98^g\,85^c$ — log cos $98^g\,90^c$

## log tg $1^g\,10^c$ — log tg $1^g\,15^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **10** | **oo** | 8.23 75558 | 75953 | 76348 | 76742 | 77137 | 77532 | 77927 | 78321 | 78716 | 79110 | 79505 | | 90 |
| | 10 | 79505 | 79899 | 80294 | 80688 | 81083 | 81477 | 81872 | 82266 | 82660 | 83054 | 83449 | | 80 |
| | 20 | 83449 | 83843 | 84237 | 84631 | 85025 | 85419 | 85813 | 86207 | 86601 | 86995 | 87388 | | 70 |
| | 30 | 87388 | 87782 | 88176 | 88570 | 88963 | 89357 | 89751 | 90144 | 90538 | 90931 | 91325 | | 60 |
| | 40 | 91325 | 91718 | 92112 | 92505 | 92898 | 93292 | 93685 | 94078 | 94471 | 94865 | 95258 | | 50 |
| | 50 | 95258 | 95651 | 96044 | 96437 | 96830 | 97223 | 97616 | 98009 | 98401 | 98794 | 99187 | | 40 |
| | 60 | 8.23 99187 | 99580 | 99972 | *00365 | *00758 | *01150 | *01543 | *01935 | *02328 | *02720 | *03113 | | 30 |
| | 70 | 8.24 03113 | 03505 | 03897 | 04290 | 04682 | 05074 | 05466 | 05859 | 06251 | 06643 | 07035 | | 20 |
| | 80 | 07035 | 07427 | 07819 | 08211 | 08603 | 08995 | 09387 | 09778 | 10170 | 10562 | 10954 | | 10 |
| | 90 | 10954 | 11345 | 11737 | 12128 | 12520 | 12912 | 13303 | 13695 | 14086 | 14477 | 14869 | **89** | **oo** |
| **11** | **oo** | 8.24 14869 | 15260 | 15651 | 16043 | 16434 | 16825 | 17216 | 17607 | 17998 | 18389 | 18780 | | 90 |
| | 10 | 18780 | 19171 | 19562 | 19953 | 20344 | 20735 | 21126 | 21516 | 21907 | 22298 | 22688 | | 80 |
| | 20 | 22688 | 23079 | 23470 | 23860 | 24251 | 24641 | 25032 | 25422 | 25812 | 26203 | 26593 | | 70 |
| | 30 | 26593 | 26983 | 27373 | 27764 | 28154 | 28544 | 28934 | 29324 | 29714 | 30104 | 30494 | | 60 |
| | 40 | 30494 | 30884 | 31274 | 31664 | 32053 | 32443 | 32833 | 33223 | 33612 | 34002 | 34392 | | 50 |
| | 50 | 34392 | 34781 | 35171 | 35560 | 35950 | 36339 | 36728 | 37118 | 37507 | 37896 | 38286 | | 40 |
| | 60 | 38286 | 38675 | 39064 | 39453 | 39842 | 40231 | 40620 | 41009 | 41398 | 41787 | 42176 | | 30 |
| | 70 | 42176 | 42565 | 42954 | 43343 | 43731 | 44120 | 44509 | 44898 | 45286 | 45675 | 46063 | | 20 |
| | 80 | 46063 | 46452 | 46840 | 47229 | 47617 | 48006 | 48394 | 48782 | 49170 | 49559 | 49947 | | 10 |
| | 90 | 49947 | 50335 | 50723 | 51111 | 51499 | 51887 | 52275 | 52663 | 53051 | 53439 | 53827 | **88** | **oo** |
| **12** | **oo** | 8.24 53827 | 54215 | 54603 | 54990 | 55378 | 55766 | 56154 | 56541 | 56929 | 57316 | 57704 | | 90 |
| | 10 | 57704 | 58091 | 58479 | 58866 | 59254 | 59641 | 60028 | 60415 | 60803 | 61190 | 61577 | | 80 |
| | 20 | 61577 | 61964 | 62351 | 62738 | 63125 | 63512 | 63899 | 64286 | 64673 | 65060 | 65447 | | 70 |
| | 30 | 65447 | 65834 | 66220 | 66607 | 66994 | 67380 | 67767 | 68154 | 68540 | 68927 | 69313 | | 60 |
| | 40 | 69313 | 69700 | 70086 | 70472 | 70859 | 71245 | 71631 | 72018 | 72404 | 72790 | 73176 | | 50 |
| | 50 | 73176 | 73562 | 73948 | 74334 | 74720 | 75106 | 75492 | 75878 | 76264 | 76650 | 77036 | | 40 |
| | 60 | 77036 | 77421 | 77807 | 78193 | 78578 | 78964 | 79350 | 79735 | 80121 | 80506 | 80892 | | 30 |
| | 70 | 80892 | 81277 | 81662 | 82048 | 82433 | 82818 | 83204 | 83589 | 83974 | 84359 | 84744 | | 20 |
| | 80 | 84744 | 85129 | 85514 | 85899 | 86284 | 86669 | 87054 | 87439 | 87824 | 88209 | 88594 | | 10 |
| | 90 | 88594 | 88978 | 89363 | 89748 | 90132 | 90517 | 90901 | 91286 | 91670 | 92055 | 92439 | **87** | **oo** |
| **13** | **oo** | 8.24 92439 | 92824 | 93208 | 93592 | 93977 | 94361 | 94745 | 95129 | 95514 | 95898 | 96282 | | 90 |
| | 10 | 8.24 96282 | 96666 | 97050 | 97434 | 97818 | 98202 | 98586 | 98969 | 99353 | 99737 | *00121 | | 80 |
| | 20 | 8.25 00121 | 00505 | 00888 | 01272 | 01655 | 02039 | 02423 | 02806 | 03190 | 03573 | 03956 | | 70 |
| | 30 | 03956 | 04340 | 04723 | 05106 | 05490 | 05873 | 06256 | 06639 | 07023 | 07406 | 07789 | | 60 |
| | 40 | 07789 | 08172 | 08555 | 08938 | 09321 | 09704 | 10086 | 10469 | 10852 | 11235 | 11618 | | 50 |
| | 50 | 11618 | 12000 | 12383 | 12766 | 13148 | 13531 | 13913 | 14296 | 14678 | 15061 | 15443 | | 40 |
| | 60 | 15443 | 15825 | 16208 | 16590 | 16972 | 17355 | 17737 | 18119 | 18501 | 18883 | 19265 | | 30 |
| | 70 | 19265 | 19647 | 20029 | 20411 | 20793 | 21175 | 21557 | 21939 | 22321 | 22702 | 23084 | | 20 |
| | 80 | 23084 | 23466 | 23847 | 24229 | 24611 | 24992 | 25374 | 25755 | 26137 | 26518 | 26899 | | 10 |
| | 90 | 26899 | 27281 | 27662 | 28043 | 28425 | 28806 | 29187 | 29568 | 29949 | 30330 | 30712 | **86** | **oo** |
| **14** | **oo** | 8.25 30712 | 31093 | 31474 | 31855 | 32235 | 32616 | 32997 | 33378 | 33759 | 34140 | 34520 | | 90 |
| | 10 | 34520 | 34901 | 35282 | 35662 | 36043 | 36423 | 36804 | 37184 | 37565 | 37945 | 38326 | | 80 |
| | 20 | 38326 | 38706 | 39086 | 39467 | 39847 | 40227 | 40607 | 40987 | 41368 | 41748 | 42128 | | 70 |
| | 30 | 42128 | 42508 | 42888 | 43268 | 43648 | 44028 | 44407 | 44787 | 45167 | 45547 | 45927 | | 60 |
| | 40 | 45927 | 46306 | 46686 | 47066 | 47445 | 47825 | 48204 | 48584 | 48963 | 49343 | 49722 | | 50 |
| | 50 | 49722 | 50101 | 50481 | 50860 | 51239 | 51618 | 51998 | 52377 | 52756 | 53135 | 53514 | | 40 |
| | 60 | 53514 | 53893 | 54272 | 54651 | 55030 | 55409 | 55788 | 56167 | 56545 | 56924 | 57303 | | 30 |
| | 70 | 57303 | 57682 | 58060 | 58439 | 58818 | 59196 | 59575 | 59953 | 60332 | 60710 | 61088 | | 20 |
| | 80 | 61088 | 61467 | 61845 | 62223 | 62602 | 62980 | 63358 | 63736 | 64114 | 64493 | 64871 | | 10 |
| | 90 | 8.25 64871 | 65249 | 65627 | 66005 | 66383 | 66761 | 67138 | 67516 | 67894 | 68272 | 68650 | **85** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $98^g\,85^c$ — log ctg $98^g\,90^c$

## log sin $1^g\,15^c$ — log sin $1^g\,20^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **15** | **00** | 8.25 67941 | 68319 | 68696 | 69074 | 69451 | 69829 | 70206 | 70583 | 70961 | 71338 | 71715 | | 90 |
| | 10 | 71715 | 72093 | 72470 | 72847 | 73224 | 73601 | 73978 | 74356 | 74733 | 75110 | 75487 | | 80 |
| | 20 | 75487 | 75863 | 76240 | 76617 | 76994 | 77371 | 77748 | 78124 | 78501 | 78878 | 79254 | | 70 |
| | 30 | 79254 | 79631 | 80008 | 80384 | 80761 | 81137 | 81514 | 81890 | 82266 | 82643 | 83019 | | 60 |
| | 40 | 83019 | 83395 | 83772 | 84148 | 84524 | 84900 | 85276 | 85652 | 86028 | 86404 | 86780 | | 50 |
| | 50 | 86780 | 87156 | 87532 | 87908 | 88284 | 88660 | 89036 | 89411 | 89787 | 90163 | 90538 | | 40 |
| | 60 | 90538 | 90914 | 91290 | 91665 | 92041 | 92416 | 92792 | 93167 | 93543 | 93918 | 94293 | | 30 |
| | 70 | 94293 | 94669 | 95044 | 95419 | 95794 | 96169 | 96545 | 96920 | 97295 | 97670 | 98045 | | 20 |
| | 80 | 8.25 98045 | 98420 | 98795 | 99170 | 99545 | 99919 | *00294 | *00669 | *01044 | *01419 | *01793 | | 10 |
| | 90 | 8.26 01793 | 02168 | 02543 | 02917 | 03292 | 03666 | 04041 | 04415 | 04790 | 05164 | 05538 | **84** | **00** |
| **16** | **00** | 8.26 05538 | 05913 | 06287 | 06661 | 07035 | 07410 | 07784 | 08158 | 08532 | 08906 | 09280 | | 90 |
| | 10 | 09280 | 09654 | 10028 | 10402 | 10776 | 11150 | 11524 | 11898 | 12271 | 12645 | 13019 | | 80 |
| | 20 | 13019 | 13393 | 13766 | 14140 | 14513 | 14887 | 15261 | 15634 | 16008 | 16381 | 16754 | | 70 |
| | 30 | 16754 | 17128 | 17501 | 17874 | 18248 | 18621 | 18994 | 19367 | 19740 | 20114 | 20487 | | 60 |
| | 40 | 20487 | 20860 | 21233 | 21606 | 21979 | 22352 | 22724 | 23097 | 23470 | 23843 | 24216 | | 50 |
| | 50 | 24216 | 24588 | 24961 | 25334 | 25706 | 26079 | 26452 | 26824 | 27197 | 27569 | 27941 | | 40 |
| | 60 | 27941 | 28314 | 28686 | 29059 | 29431 | 29803 | 30175 | 30548 | 30920 | 31292 | 31664 | | 30 |
| | 70 | 31664 | 32036 | 32408 | 32780 | 33152 | 33524 | 33896 | 34268 | 34640 | 35012 | 35384 | | 20 |
| | 80 | 35384 | 35755 | 36127 | 36499 | 36870 | 37242 | 37614 | 37985 | 38357 | 38728 | 39100 | | 10 |
| | 90 | 39100 | 39471 | 39843 | 40214 | 40585 | 40957 | 41328 | 41699 | 42071 | 42442 | 42813 | **83** | **00** |
| **17** | **00** | 8.26 42813 | 43184 | 43555 | 43926 | 44297 | 44668 | 45039 | 45410 | 45781 | 46152 | 46523 | | 90 |
| | 10 | 46523 | 46894 | 47264 | 47635 | 48006 | 48377 | 48747 | 49118 | 49488 | 49859 | 50230 | | 80 |
| | 20 | 50230 | 50600 | 50971 | 51341 | 51711 | 52082 | 52452 | 52822 | 53193 | 53563 | 53933 | | 70 |
| | 30 | 53933 | 54303 | 54673 | 55044 | 55414 | 55784 | 56154 | 56524 | 56894 | 57264 | 57634 | | 60 |
| | 40 | 57634 | 58003 | 58373 | 58743 | 59113 | 59483 | 59852 | 60222 | 60592 | 60961 | 61331 | | 50 |
| | 50 | 61331 | 61700 | 62070 | 62439 | 62809 | 63178 | 63548 | 63917 | 64286 | 64656 | 65025 | | 40 |
| | 60 | 65025 | 65394 | 65763 | 66133 | 66502 | 66871 | 67240 | 67609 | 67978 | 68347 | 68716 | | 30 |
| | 70 | 68716 | 69085 | 69454 | 69823 | 70191 | 70560 | 70929 | 71298 | 71667 | 72035 | 72404 | | 20 |
| | 80 | 72404 | 72772 | 73141 | 73510 | 73878 | 74247 | 74615 | 74983 | 75352 | 75720 | 76089 | | 10 |
| | 90 | 76089 | 76457 | 76825 | 77193 | 77562 | 77930 | 78298 | 78666 | 79034 | 79402 | 79770 | **82** | **00** |
| **18** | **00** | 8.26 79770 | 80138 | 80506 | 80874 | 81242 | 81610 | 81978 | 82345 | 82713 | 83081 | 83449 | | 90 |
| | 10 | 83449 | 83816 | 84184 | 84552 | 84919 | 85287 | 85654 | 86022 | 86389 | 86757 | 87124 | | 80 |
| | 20 | 87124 | 87491 | 87859 | 88226 | 88593 | 88961 | 89328 | 89695 | 90062 | 90429 | 90796 | | 70 |
| | 30 | 90796 | 91163 | 91530 | 91897 | 92264 | 92631 | 92998 | 93365 | 93732 | 94099 | 94465 | | 60 |
| | 40 | 94465 | 94832 | 95199 | 95566 | 95932 | 96299 | 96665 | 97032 | 97399 | 97765 | 98131 | | 50 |
| | 50 | 8.26 98131 | 98498 | 98864 | 99231 | 99597 | 99963 | *00330 | *00696 | *01062 | *01428 | *01794 | | 40 |
| | 60 | 8.27 01794 | 02161 | 02527 | 02893 | 03259 | 03625 | 03991 | 04357 | 04723 | 05088 | 05454 | | 30 |
| | 70 | 05454 | 05820 | 06186 | 06552 | 06917 | 07283 | 07649 | 08014 | 08380 | 08746 | 09111 | | 20 |
| | 80 | 09111 | 09477 | 09842 | 10208 | 10573 | 10938 | 11304 | 11669 | 12034 | 12400 | 12765 | | 10 |
| | 90 | 12765 | 13130 | 13495 | 13860 | 14225 | 14591 | 14956 | 15321 | 15686 | 16051 | 16415 | **81** | **00** |
| **19** | **00** | 8.27 16415 | 16780 | 17145 | 17510 | 17875 | 18240 | 18604 | 18969 | 19334 | 19698 | 20063 | | 90 |
| | 10 | 20063 | 20428 | 20792 | 21157 | 21521 | 21886 | 22250 | 22615 | 22979 | 23343 | 23708 | | 80 |
| | 20 | 23708 | 24072 | 24436 | 24800 | 25165 | 25529 | 25893 | 26257 | 26621 | 26985 | 27349 | | 70 |
| | 30 | 27349 | 27713 | 28077 | 28441 | 28805 | 29169 | 29532 | 29896 | 30260 | 30624 | 30987 | | 60 |
| | 40 | 30987 | 31351 | 31715 | 32078 | 32442 | 32805 | 33169 | 33532 | 33896 | 34259 | 34623 | | 50 |
| | 50 | 34623 | 34986 | 35349 | 35713 | 36076 | 36439 | 36803 | 37166 | 37529 | 37892 | 38255 | | 40 |
| | 60 | 38255 | 38618 | 38981 | 39344 | 39707 | 40070 | 40433 | 40796 | 41159 | 41522 | 41884 | | 30 |
| | 70 | 41884 | 42247 | 42610 | 42973 | 43335 | 43698 | 44060 | 44423 | 44786 | 45148 | 45511 | | 20 |
| | 80 | 45511 | 45873 | 46236 | 46598 | 46960 | 47323 | 47685 | 48047 | 48409 | 48772 | 49134 | | 10 |
| | 90 | 8.27 49134 | 49496 | 49858 | 50220 | 50582 | 50944 | 51306 | 51668 | 52030 | 52392 | 52754 | **80** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $98^g\,80^c$ — log cos $98^g\,85^c$

## log tg $1^g\,15^c$ — log tg $1^g\,20^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **15** | **oo** | 8.25 68650 | 69027 | 69405 | 69783 | 70160 | 70538 | 70915 | 71293 | 71670 | 72048 | 72425 | 90 |
| | 10 | 72425 | 72803 | 73180 | 73557 | 73935 | 74312 | 74689 | 75066 | 75443 | 75821 | 76198 | 80 |
| | 20 | 76198 | 76575 | 76952 | 77329 | 77706 | 78083 | 78459 | 78836 | 79213 | 79590 | 79967 | 70 |
| | 30 | 79967 | 80343 | 80720 | 81097 | 81473 | 81850 | 82227 | 82603 | 82980 | 83356 | 83733 | 60 |
| | 40 | 83733 | 84109 | 84485 | 84862 | 85238 | 85614 | 85991 | 86367 | 86743 | 87119 | 87495 | 50 |
| | 50 | 87495 | 87871 | 88247 | 88623 | 88999 | 89375 | 89751 | 90127 | 90503 | 90879 | 91254 | 40 |
| | 60 | 91254 | 91630 | 92006 | 92382 | 92757 | 93133 | 93509 | 93884 | 94260 | 94635 | 95011 | 30 |
| | 70 | 95011 | 95386 | 95761 | 96137 | 96512 | 96887 | 97263 | 97638 | 98013 | 98388 | 98763 | 20 |
| | 80 | 8.25 98763 | 99138 | 99514 | 99889 | *00264 | *00639 | *01014 | *01388 | *01763 | *02138 | *02513 | 10 |
| | 90 | 8.26 02513 | 02888 | 03263 | 03637 | 04012 | 04387 | 04761 | 05136 | 05510 | 05885 | 06259 | **84** **oo** |
| **16** | **oo** | 8.26 06259 | 06634 | 07008 | 07383 | 07757 | 08131 | 08506 | 08880 | 09254 | 09628 | 10002 | 90 |
| | 10 | 10002 | 10377 | 10751 | 11125 | 11499 | 11873 | 12247 | 12621 | 12995 | 13369 | 13742 | 80 |
| | 20 | 13742 | 14116 | 14490 | 14864 | 15237 | 15611 | 15985 | 16358 | 16732 | 17106 | 17479 | 70 |
| | 30 | 17479 | 17853 | 18226 | 18599 | 18973 | 19346 | 19720 | 20093 | 20466 | 20839 | 21213 | 60 |
| | 40 | 21213 | 21586 | 21959 | 22332 | 22705 | 23078 | 23451 | 23824 | 24197 | 24570 | 24943 | 50 |
| | 50 | 24943 | 25316 | 25689 | 26061 | 26434 | 26807 | 27179 | 27552 | 27925 | 28297 | 28670 | 40 |
| | 60 | 28670 | 29042 | 29415 | 29787 | 30160 | 30532 | 30905 | 31277 | 31649 | 32022 | 32394 | 30 |
| | 70 | 32394 | 32766 | 33138 | 33510 | 33882 | 34255 | 34627 | 34999 | 35371 | 35743 | 36115 | 20 |
| | 80 | 36115 | 36486 | 36858 | 37230 | 37602 | 37974 | 38345 | 38717 | 39089 | 39460 | 39832 | 10 |
| | 90 | 39832 | 40204 | 40575 | 40947 | 41318 | 41690 | 42061 | 42432 | 42804 | 43175 | 43546 | **83** **oo** |
| **17** | **oo** | 8.26 43546 | 43918 | 44289 | 44660 | 45031 | 45402 | 45773 | 46145 | 46516 | 46887 | 47258 | 90 |
| | 10 | 47258 | 47628 | 47999 | 48370 | 48741 | 49112 | 49483 | 49853 | 50224 | 50595 | 50966 | 80 |
| | 20 | 50966 | 51336 | 51707 | 52077 | 52448 | 52818 | 53189 | 53559 | 53930 | 54300 | 54670 | 70 |
| | 30 | 54670 | 55041 | 55411 | 55781 | 56151 | 56522 | 56892 | 57262 | 57632 | 58002 | 58372 | 60 |
| | 40 | 58372 | 58742 | 59112 | 59482 | 59852 | 60222 | 60592 | 60961 | 61331 | 61701 | 62071 | 50 |
| | 50 | 62071 | 62440 | 62810 | 63180 | 63549 | 63919 | 64288 | 64658 | 65027 | 65397 | 65766 | 40 |
| | 60 | 65766 | 66135 | 66505 | 66874 | 67243 | 67613 | 67982 | 68351 | 68720 | 69089 | 69458 | 30 |
| | 70 | 69458 | 69827 | 70196 | 70565 | 70934 | 71303 | 71672 | 72041 | 72410 | 72779 | 73147 | 20 |
| | 80 | 73147 | 73516 | 73885 | 74254 | 74622 | 74991 | 75359 | 75728 | 76096 | 76465 | 76833 | 10 |
| | 90 | 76833 | 77202 | 77570 | 77939 | 78307 | 78675 | 79043 | 79412 | 79780 | 80148 | 80516 | **82** **oo** |
| **18** | **oo** | 8.26 80516 | 80884 | 81252 | 81620 | 81989 | 82357 | 82724 | 83092 | 83460 | 83828 | 84196 | 90 |
| | 10 | 84196 | 84564 | 84932 | 85299 | 85667 | 86035 | 86402 | 86770 | 87138 | 87505 | 87873 | 80 |
| | 20 | 87873 | 88240 | 88608 | 88975 | 89342 | 89710 | 90077 | 90444 | 90812 | 91179 | 91546 | 70 |
| | 30 | 91546 | 91913 | 92280 | 92648 | 93015 | 93382 | 93749 | 94116 | 94483 | 94850 | 95217 | 60 |
| | 40 | 95217 | 95583 | 95950 | 96317 | 96684 | 97051 | 97417 | 97784 | 98151 | 98517 | 98884 | 50 |
| | 50 | 8.26 98884 | 99250 | 99617 | 99983 | *00350 | *00716 | *01083 | *01449 | *01816 | *02182 | *02548 | 40 |
| | 60 | 8.27 02548 | 02914 | 03281 | 03647 | 04013 | 04379 | 04745 | 05111 | 05477 | 05843 | 06209 | 30 |
| | 70 | 06209 | 06575 | 06941 | 07307 | 07673 | 08039 | 08404 | 08770 | 09136 | 09502 | 09867 | 20 |
| | 80 | 09867 | 10233 | 10599 | 10964 | 11330 | 11695 | 12061 | 12426 | 12792 | 13157 | 13522 | 10 |
| | 90 | 13522 | 13888 | 14253 | 14618 | 14983 | 15349 | 15714 | 16079 | 16444 | 16809 | 17174 | **81** **oo** |
| **19** | **oo** | 8.27 17174 | 17539 | 17904 | 18269 | 18634 | 18999 | 19364 | 19729 | 20094 | 20458 | 20823 | 90 |
| | 10 | 20823 | 21188 | 21553 | 21917 | 22282 | 22646 | 23011 | 23375 | 23740 | 24104 | 24469 | 80 |
| | 20 | 24469 | 24833 | 25198 | 25562 | 25926 | 26291 | 26655 | 27019 | 27383 | 27747 | 28112 | 70 |
| | 30 | 28112 | 28476 | 28840 | 29204 | 29568 | 29932 | 30296 | 30660 | 31024 | 31387 | 31751 | 60 |
| | 40 | 31751 | 32115 | 32479 | 32843 | 33206 | 33570 | 33934 | 34297 | 34661 | 35024 | 35388 | 50 |
| | 50 | 35388 | 35751 | 36115 | 36478 | 36842 | 37205 | 37568 | 37932 | 38295 | 38658 | 39022 | 40 |
| | 60 | 39022 | 39385 | 39748 | 40111 | 40474 | 40837 | 41200 | 41563 | 41926 | 42289 | 42652 | 30 |
| | 70 | 42652 | 43015 | 43378 | 43741 | 44103 | 44466 | 44829 | 45192 | 45554 | 45917 | 46280 | 20 |
| | 80 | 46280 | 46642 | 47005 | 47367 | 47730 | 48092 | 48455 | 48817 | 49179 | 49542 | 49904 | 10 |
| | 90 | 8.27 49904 | 50266 | 50629 | 50991 | 51353 | 51715 | 52077 | 52440 | 52802 | 53164 | 53526 | **80** **oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $98^g\,80^c$ — log ctg $98^g\,85^c$

## log sin $1^g\,20^c$ — log sin $1^g\,25^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **20** | **00** | 8.27 52754 | 53116 | 53478 | 53840 | 54201 | 54563 | 54925 | 55286 | 55648 | 56010 | 56371 | 90 |
| | 10 | 56371 | 56733 | 57094 | 57456 | 57817 | 58179 | 58540 | 58901 | 59263 | 59624 | 59985 | 80 |
| | 20 | 59985 | 60347 | 60708 | 61069 | 61430 | 61791 | 62152 | 62514 | 62875 | 63236 | 63597 | 70 |
| | 30 | 63597 | 63958 | 64318 | 64679 | 65040 | 65401 | 65762 | 66123 | 66483 | 66844 | 67205 | 60 |
| | 40 | 67205 | 67565 | 67926 | 68287 | 68647 | 69008 | 69368 | 69729 | 70089 | 70450 | 70810 | 50 |
| | 50 | 70810 | 71170 | 71531 | 71891 | 72251 | 72611 | 72972 | 73332 | 73692 | 74052 | 74412 | 40 |
| | 60 | 74412 | 74772 | 75132 | 75492 | 75852 | 76212 | 76572 | 76932 | 77292 | 77651 | 78011 | 30 |
| | 70 | 78011 | 78371 | 78731 | 79090 | 79450 | 79810 | 80169 | 80529 | 80888 | 81248 | 81607 | 20 |
| | 80 | 81607 | 81967 | 82326 | 82686 | 83045 | 83404 | 83764 | 84123 | 84482 | 84842 | 85201 | 10 |
| | 90 | 85201 | 85560 | 85919 | 86278 | 86637 | 86996 | 87355 | 87714 | 88073 | 88432 | 88791 | **79 00** |
| **21** | **00** | 8.27 88791 | 89150 | 89509 | 89867 | 90226 | 90585 | 90944 | 91302 | 91661 | 92020 | 92378 | 90 |
| | 10 | 92378 | 92737 | 93095 | 93454 | 93812 | 94171 | 94529 | 94888 | 95246 | 95604 | 95963 | 80 |
| | 20 | 95963 | 96321 | 96679 | 97037 | 97396 | 97754 | 98112 | 98470 | 98828 | 99186 | 99544 | 70 |
| | 30 | 8.27 99544 | 99902 | *00260 | *00618 | *00976 | *01334 | *01691 | *02049 | *02407 | *02765 | *03122 | 60 |
| | 40 | 8.28 03122 | 03480 | 03838 | 04195 | 04553 | 04911 | 05268 | 05626 | 05983 | 06340 | 06698 | 50 |
| | 50 | 06698 | 07055 | 07413 | 07770 | 08127 | 08485 | 08842 | 09199 | 09556 | 09913 | 10270 | 40 |
| | 60 | 10270 | 10628 | 10985 | 11342 | 11699 | 12056 | 12413 | 12769 | 13126 | 13483 | 13840 | 30 |
| | 70 | 13840 | 14197 | 14554 | 14910 | 15267 | 15624 | 15980 | 16337 | 16694 | 17050 | 17407 | 20 |
| | 80 | 17407 | 17763 | 18120 | 18476 | 18833 | 19189 | 19545 | 19902 | 20258 | 20614 | 20970 | 10 |
| | 90 | 20970 | 21327 | 21683 | 22039 | 22395 | 22751 | 23107 | 23463 | 23819 | 24175 | 24531 | **78 00** |
| **22** | **00** | 8.28 24531 | 24887 | 25243 | 25599 | 25955 | 26311 | 26666 | 27022 | 27378 | 27733 | 28089 | 90 |
| | 10 | 28089 | 28445 | 28800 | 29156 | 29511 | 29867 | 30222 | 30578 | 30933 | 31289 | 31644 | 80 |
| | 20 | 31644 | 31999 | 32355 | 32710 | 33065 | 33421 | 33776 | 34131 | 34486 | 34841 | 35196 | 70 |
| | 30 | 35196 | 35551 | 35906 | 36261 | 36616 | 36971 | 37326 | 37681 | 38036 | 38391 | 38745 | 60 |
| | 40 | 38745 | 39100 | 39455 | 39810 | 40164 | 40519 | 40873 | 41228 | 41583 | 41937 | 42292 | 50 |
| | 50 | 42292 | 42646 | 43001 | 43355 | 43709 | 44064 | 44418 | 44772 | 45127 | 45481 | 45835 | 40 |
| | 60 | 45835 | 46189 | 46543 | 46897 | 47252 | 47606 | 47960 | 48314 | 48668 | 49022 | 49376 | 30 |
| | 70 | 49376 | 49729 | 50083 | 50437 | 50791 | 51145 | 51498 | 51852 | 52206 | 52559 | 52913 | 20 |
| | 80 | 52913 | 53267 | 53620 | 53974 | 54327 | 54681 | 55034 | 55388 | 55741 | 56094 | 56448 | 10 |
| | 90 | 56448 | 56801 | 57154 | 57508 | 57861 | 58214 | 58567 | 58920 | 59274 | 59627 | 59980 | **77 00** |
| **23** | **00** | 8.28 59980 | 60333 | 60686 | 61039 | 61392 | 61745 | 62097 | 62450 | 62803 | 63156 | 63509 | 90 |
| | 10 | 63509 | 63861 | 64214 | 64567 | 64919 | 65272 | 65625 | 65977 | 66330 | 66682 | 67035 | 80 |
| | 20 | 67035 | 67387 | 67740 | 68092 | 68444 | 68797 | 69149 | 69501 | 69854 | 70206 | 70558 | 70 |
| | 30 | 70558 | 70910 | 71262 | 71614 | 71967 | 72319 | 72671 | 73023 | 73375 | 73726 | 74078 | 60 |
| | 40 | 74078 | 74430 | 74782 | 75134 | 75486 | 75838 | 76189 | 76541 | 76893 | 77244 | 77596 | 50 |
| | 50 | 77596 | 77948 | 78299 | 78651 | 79002 | 79354 | 79705 | 80057 | 80408 | 80759 | 81111 | 40 |
| | 60 | 81111 | 81462 | 81813 | 82164 | 82516 | 82867 | 83218 | 83569 | 83920 | 84271 | 84622 | 30 |
| | 70 | 84622 | 84974 | 85325 | 85675 | 86026 | 86377 | 86728 | 87079 | 87430 | 87781 | 88131 | 20 |
| | 80 | 88131 | 88482 | 88833 | 89184 | 89534 | 89885 | 90236 | 90586 | 90937 | 91287 | 91638 | 10 |
| | 90 | 91638 | 91988 | 92339 | 92689 | 93039 | 93390 | 93740 | 94090 | 94441 | 94791 | 95141 | **76 00** |
| **24** | **00** | 8.28 95141 | 95491 | 95841 | 96191 | 96542 | 96892 | 97242 | 97592 | 97942 | 98292 | 98642 | 90 |
| | 10 | 8.28 98642 | 98991 | 99341 | 99691 | *00041 | *00391 | *00740 | *01090 | *01440 | *01790 | *02139 | 80 |
| | 20 | 8.29 02139 | 02489 | 02838 | 03188 | 03538 | 03887 | 04236 | 04586 | 04935 | 05285 | 05634 | 70 |
| | 30 | 05634 | 05983 | 06333 | 06682 | 07031 | 07381 | 07730 | 08079 | 08428 | 08777 | 09126 | 60 |
| | 40 | 09126 | 09475 | 09824 | 10173 | 10522 | 10871 | 11220 | 11569 | 11918 | 12267 | 12615 | 50 |
| | 50 | 12615 | 12964 | 13313 | 13662 | 14010 | 14359 | 14708 | 15056 | 15405 | 15753 | 16102 | 40 |
| | 60 | 16102 | 16450 | 16799 | 17147 | 17496 | 17844 | 18192 | 18541 | 18889 | 19237 | 19586 | 30 |
| | 70 | 19586 | 19934 | 20282 | 20630 | 20978 | 21326 | 21674 | 22022 | 22371 | 22718 | 23066 | 20 |
| | 80 | 23066 | 23414 | 23762 | 24110 | 24458 | 24806 | 25154 | 25501 | 25849 | 26197 | 26545 | 10 |
| | 90 | 8.29 26545 | 26892 | 27240 | 27587 | 27935 | 28283 | 28630 | 28978 | 29325 | 29672 | 30020 | **75 00** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $98^g\,75^c$ — log cos $98^g\,80^c$

## log tg $1^g\,20^c$ — log tg $1^g\,25^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **20** | **00** | 8.27 53526 | 53888 | 54250 | 54611 | 54973 | 55335 | 55697 | 56059 | 56421 | 56782 | 57144 | | 90 |
| | 10 | 57144 | 57506 | 57867 | 58229 | 58591 | 58952 | 59314 | 59675 | 60037 | 60398 | 60760 | | 80 |
| | 20 | 60760 | 61121 | 61482 | 61844 | 62205 | 62566 | 62927 | 63289 | 63650 | 64011 | 64372 | | 70 |
| | 30 | 64372 | 64733 | 65094 | 65455 | 65816 | 66177 | 66538 | 66899 | 67260 | 67621 | 67981 | | 60 |
| | 40 | 67981 | 68342 | 68703 | 69064 | 69424 | 69785 | 70146 | 70506 | 70867 | 71227 | 71588 | | 50 |
| | 50 | 71588 | 71948 | 72309 | 72669 | 73030 | 73390 | 73750 | 74111 | 74471 | 74831 | 75191 | | 40 |
| | 60 | 75191 | 75552 | 75912 | 76272 | 76632 | 76992 | 77352 | 77712 | 78072 | 78432 | 78792 | | 30 |
| | 70 | 78792 | 79152 | 79512 | 79871 | 80231 | 80591 | 80951 | 81310 | 81670 | 82030 | 82389 | | 20 |
| | 80 | 82389 | 82749 | 83109 | 83468 | 83828 | 84187 | 84546 | 84906 | 85265 | 85625 | 85984 | | 10 |
| | 90 | 85984 | 86343 | 86702 | 87062 | 87421 | 87780 | 88139 | 88498 | 88857 | 89216 | 89575 | **79** | **00** |
| **21** | **00** | 8.27 89575 | 89934 | 90293 | 90652 | 91011 | 91370 | 91729 | 92088 | 92447 | 92805 | 93164 | | 90 |
| | 10 | 93164 | 93523 | 93881 | 94240 | 94599 | 94957 | 95316 | 95674 | 96033 | 96391 | 96750 | | 80 |
| | 20 | 8.27 96750 | 97108 | 97466 | 97825 | 98183 | 98541 | 98900 | 99258 | 99616 | 99974 | *00332 | | 70 |
| | 30 | 8.28 00332 | 00690 | 01049 | 01407 | 01765 | 02123 | 02481 | 02839 | 03196 | 03554 | 03912 | | 60 |
| | 40 | 03912 | 04270 | 04628 | 04985 | 05343 | 05701 | 06059 | 06416 | 06774 | 07131 | 07489 | | 50 |
| | 50 | 07489 | 07846 | 08204 | 08561 | 08919 | 09276 | 09634 | 09991 | 10348 | 10705 | 11063 | | 40 |
| | 60 | 11063 | 11420 | 11777 | 12134 | 12491 | 12849 | 13206 | 13563 | 13920 | 14277 | 14634 | | 30 |
| | 70 | 14634 | 14991 | 15347 | 15704 | 16061 | 16418 | 16775 | 17132 | 17488 | 17845 | 18202 | | 20 |
| | 80 | 18202 | 18558 | 18915 | 19271 | 19628 | 19984 | 20341 | 20697 | 21054 | 21410 | 21767 | | 10 |
| | 90 | 21767 | 22123 | 22479 | 22836 | 23192 | 23548 | 23904 | 24260 | 24617 | 24973 | 25329 | **78** | **00** |
| **22** | **00** | 8.28 25329 | 25685 | 26041 | 26397 | 26753 | 27109 | 27465 | 27821 | 28176 | 28532 | 28888 | | 90 |
| | 10 | 28888 | 29244 | 29599 | 29955 | 30311 | 30666 | 31022 | 31378 | 31733 | 32089 | 32444 | | 80 |
| | 20 | 32444 | 32800 | 33155 | 33511 | 33866 | 34221 | 34577 | 34932 | 35287 | 35642 | 35998 | | 70 |
| | 30 | 35998 | 36353 | 36708 | 37063 | 37418 | 37773 | 38128 | 38483 | 38838 | 39193 | 39548 | | 60 |
| | 40 | 39548 | 39903 | 40258 | 40613 | 40968 | 41322 | 41677 | 42032 | 42386 | 42741 | 43096 | | 50 |
| | 50 | 43096 | 43450 | 43805 | 44159 | 44514 | 44868 | 45223 | 45577 | 45932 | 46286 | 46640 | | 40 |
| | 60 | 46640 | 46995 | 47349 | 47703 | 48057 | 48412 | 48766 | 49120 | 49474 | 49828 | 50182 | | 30 |
| | 70 | 50182 | 50536 | 50890 | 51244 | 51598 | 51952 | 52306 | 52660 | 53014 | 53367 | 53721 | | 20 |
| | 80 | 53721 | 54075 | 54429 | 54782 | 55136 | 55490 | 55843 | 56197 | 56550 | 56904 | 57257 | | 10 |
| | 90 | 57257 | 57611 | 57964 | 58317 | 58671 | 59024 | 59377 | 59731 | 60084 | 60437 | 60790 | **77** | **00** |
| **23** | **00** | 8.28 60790 | 61143 | 61497 | 61850 | 62203 | 62556 | 62909 | 63262 | 63615 | 63968 | 64321 | | 90 |
| | 10 | 64321 | 64673 | 65026 | 65379 | 65732 | 66085 | 66437 | 66790 | 67143 | 67495 | 67848 | | 80 |
| | 20 | 67848 | 68201 | 68553 | 68906 | 69258 | 69611 | 69963 | 70316 | 70668 | 71020 | 71373 | | 70 |
| | 30 | 71373 | 71725 | 72077 | 72429 | 72782 | 73134 | 73486 | 73838 | 74190 | 74542 | 74894 | | 60 |
| | 40 | 74894 | 75246 | 75598 | 75950 | 76302 | 76654 | 77006 | 77358 | 77710 | 78061 | 78413 | | 50 |
| | 50 | 78413 | 78765 | 79117 | 79468 | 79820 | 80172 | 80523 | 80875 | 81226 | 81578 | 81929 | | 40 |
| | 60 | 81929 | 82281 | 82632 | 82983 | 83335 | 83686 | 84037 | 84389 | 84740 | 85091 | 85442 | | 30 |
| | 70 | 85442 | 85794 | 86145 | 86496 | 86847 | 87198 | 87549 | 87900 | 88251 | 88602 | 88953 | | 20 |
| | 80 | 88953 | 89304 | 89654 | 90005 | 90356 | 90707 | 91058 | 91408 | 91759 | 92110 | 92460 | | 10 |
| | 90 | 92460 | 92811 | 93161 | 93512 | 93862 | 94213 | 94563 | 94914 | 95264 | 95615 | 95965 | **76** | **00** |
| **24** | **00** | 8.28 95965 | 96315 | 96665 | 97016 | 97366 | 97716 | 98066 | 98416 | 98767 | 99117 | 99467 | | 90 |
| | 10 | 8.28 99467 | 99817 | *00167 | *00517 | *00867 | *01217 | *01566 | *01916 | *02266 | *02616 | *02966 | | 80 |
| | 20 | 8.29 02966 | 03316 | 03665 | 04015 | 04365 | 04714 | 05064 | 05413 | 05763 | 06112 | 06462 | | 70 |
| | 30 | 06462 | 06811 | 07161 | 07510 | 07860 | 08209 | 08558 | 08908 | 09257 | 09606 | 09955 | | 60 |
| | 40 | 09955 | 10305 | 10654 | 11003 | 11352 | 11701 | 12050 | 12399 | 12748 | 13097 | 13446 | | 50 |
| | 50 | 13446 | 13795 | 14144 | 14493 | 14841 | 15190 | 15539 | 15888 | 16236 | 16585 | 16934 | | 40 |
| | 60 | 16934 | 17282 | 17631 | 17980 | 18328 | 18677 | 19025 | 19374 | 19722 | 20070 | 20419 | | 30 |
| | 70 | 20419 | 20767 | 21115 | 21464 | 21812 | 22160 | 22508 | 22857 | 23205 | 23553 | 23901 | | 20 |
| | 80 | 23901 | 24249 | 24597 | 24945 | 25293 | 25641 | 25989 | 26337 | 26685 | 27033 | 27380 | | 10 |
| | 90 | 8.29 27380 | 27728 | 28076 | 28424 | 28771 | 29119 | 29467 | 29814 | 30162 | 30510 | 30857 | **75** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $98^g\,75^c$ — log ctg $98^g\,80^c$

## log sin $1^g\,25^c$ — log sin $1^g\,30^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **25** | **00** | 8.29 30020 | 30367 | 30715 | 31062 | 31409 | 31756 | 32104 | 32451 | 32798 | 33145 | 33492 | | 90 |
| | 10 | 33492 | 33839 | 34187 | 34534 | 34881 | 35228 | 35575 | 35921 | 36268 | 36615 | 36962 | | 80 |
| | 20 | 36962 | 37309 | 37656 | 38002 | 38349 | 38696 | 39043 | 39389 | 39736 | 40083 | 40429 | | 70 |
| | 30 | 40429 | 40776 | 41122 | 41469 | 41815 | 42162 | 42508 | 42854 | 43201 | 43547 | 43893 | | 60 |
| | 40 | 43893 | 44240 | 44586 | 44932 | 45278 | 45624 | 45970 | 46317 | 46663 | 47009 | 47355 | | 50 |
| | 50 | 47355 | 47701 | 48047 | 48393 | 48739 | 49084 | 49430 | 49776 | 50122 | 50468 | 50813 | | 40 |
| | 60 | 50813 | 51159 | 51505 | 51850 | 52196 | 52542 | 52887 | 53233 | 53578 | 53924 | 54269 | | 30 |
| | 70 | 54269 | 54615 | 54960 | 55306 | 55651 | 55996 | 56342 | 56687 | 57032 | 57377 | 57723 | | 20 |
| | 80 | 57723 | 58068 | 58413 | 58758 | 59103 | 59448 | 59793 | 60138 | 60483 | 60828 | 61173 | | 10 |
| | 90 | 61173 | 61518 | 61863 | 62208 | 62552 | 62897 | 63242 | 63587 | 63931 | 64276 | 64621 | **74** | **00** |
| **26** | **00** | 8.29 64621 | 64965 | 65310 | 65654 | 65999 | 66344 | 66688 | 67032 | 67377 | 67721 | 68066 | | 90 |
| | 10 | 68066 | 68410 | 68754 | 69099 | 69443 | 69787 | 70131 | 70475 | 70820 | 71164 | 71508 | | 80 |
| | 20 | 71508 | 71852 | 72196 | 72540 | 72884 | 73228 | 73572 | 73916 | 74260 | 74604 | 74947 | | 70 |
| | 30 | 74947 | 75291 | 75635 | 75979 | 76322 | 76666 | 77010 | 77353 | 77697 | 78041 | 78384 | | 60 |
| | 40 | 78384 | 78728 | 79071 | 79415 | 79758 | 80102 | 80445 | 80788 | 81132 | 81475 | 81818 | | 50 |
| | 50 | 81818 | 82161 | 82505 | 82848 | 83191 | 83534 | 83877 | 84220 | 84564 | 84907 | 85250 | | 40 |
| | 60 | 85250 | 85593 | 85936 | 86278 | 86621 | 86964 | 87307 | 87650 | 87993 | 88335 | 88678 | | 30 |
| | 70 | 88678 | 89021 | 89364 | 89706 | 90049 | 90392 | 90734 | 91077 | 91419 | 91762 | 92104 | | 20 |
| | 80 | 92104 | 92447 | 92789 | 93131 | 93474 | 93816 | 94158 | 94501 | 94843 | 95185 | 95527 | | 10 |
| | 90 | 95527 | 95870 | 96212 | 96554 | 96896 | 97238 | 97580 | 97922 | 98264 | 98606 | 98948 | **73** | **00** |
| **27** | **00** | 8.29 98948 | 99290 | 99632 | 99974 | *00315 | *00657 | *00999 | *01341 | *01682 | *02024 | *02366 | | 90 |
| | 10 | 8.30 02366 | 02707 | 03049 | 03391 | 03732 | 04074 | 04415 | 04757 | 05098 | 05440 | 05781 | | 80 |
| | 20 | 05781 | 06122 | 06464 | 06805 | 07146 | 07487 | 07829 | 08170 | 08511 | 08852 | 09193 | | 70 |
| | 30 | 09193 | 09534 | 09876 | 10217 | 10558 | 10899 | 11240 | 11581 | 11921 | 12262 | 12603 | | 60 |
| | 40 | 12603 | 12944 | 13285 | 13626 | 13966 | 14307 | 14648 | 14988 | 15329 | 15670 | 16010 | | 50 |
| | 50 | 16010 | 16351 | 16691 | 17032 | 17372 | 17713 | 18053 | 18394 | 18734 | 19074 | 19415 | | 40 |
| | 60 | 19415 | 19755 | 20095 | 20436 | 20776 | 21116 | 21456 | 21796 | 22136 | 22476 | 22816 | | 30 |
| | 70 | 22816 | 23157 | 23497 | 23837 | 24176 | 24516 | 24856 | 25196 | 25536 | 25876 | 26216 | | 20 |
| | 80 | 26216 | 26555 | 26895 | 27235 | 27575 | 27914 | 28254 | 28593 | 28933 | 29273 | 29612 | | 10 |
| | 90 | 29612 | 29952 | 30291 | 30630 | 30970 | 31309 | 31649 | 31988 | 32327 | 32667 | 33006 | **72** | **00** |
| **28** | **00** | 8.30 33006 | 33345 | 33684 | 34023 | 34363 | 34702 | 35041 | 35380 | 35719 | 36058 | 36397 | | 90 |
| | 10 | 36397 | 36736 | 37075 | 37414 | 37753 | 38092 | 38430 | 38769 | 39108 | 39447 | 39785 | | 80 |
| | 20 | 39785 | 40124 | 40463 | 40802 | 41140 | 41479 | 41817 | 42156 | 42494 | 42833 | 43171 | | 70 |
| | 30 | 43171 | 43510 | 43848 | 44187 | 44525 | 44863 | 45202 | 45540 | 45878 | 46216 | 46555 | | 60 |
| | 40 | 46555 | 46893 | 47231 | 47569 | 47907 | 48245 | 48583 | 48921 | 49259 | 49597 | 49935 | | 50 |
| | 50 | 49935 | 50273 | 50611 | 50949 | 51287 | 51624 | 51962 | 52300 | 52638 | 52975 | 53313 | | 40 |
| | 60 | 53313 | 53651 | 53988 | 54326 | 54664 | 55001 | 55339 | 55676 | 56014 | 56351 | 56688 | | 30 |
| | 70 | 56688 | 57026 | 57363 | 57700 | 58038 | 58375 | 58712 | 59050 | 59387 | 59724 | 60061 | | 20 |
| | 80 | 60061 | 60398 | 60735 | 61072 | 61409 | 61746 | 62083 | 62420 | 62757 | 63094 | 63431 | | 10 |
| | 90 | 63431 | 63768 | 64105 | 64442 | 64778 | 65115 | 65452 | 65789 | 66125 | 66462 | 66799 | **71** | **00** |
| **29** | **00** | 8.30 66799 | 67135 | 67472 | 67808 | 68145 | 68481 | 68818 | 69154 | 69491 | 69827 | 70164 | | 90 |
| | 10 | 70164 | 70500 | 70836 | 71172 | 71509 | 71845 | 72181 | 72517 | 72854 | 73190 | 73526 | | 80 |
| | 20 | 73526 | 73862 | 74198 | 74534 | 74870 | 75206 | 75542 | 75878 | 76214 | 76550 | 76885 | | 70 |
| | 30 | 76885 | 77221 | 77557 | 77893 | 78229 | 78564 | 78900 | 79236 | 79571 | 79907 | 80242 | | 60 |
| | 40 | 80242 | 80578 | 80914 | 81249 | 81585 | 81920 | 82255 | 82591 | 82926 | 83262 | 83597 | | 50 |
| | 50 | 83597 | 83932 | 84268 | 84603 | 84938 | 85273 | 85608 | 85944 | 86279 | 86614 | 86949 | | 40 |
| | 60 | 86949 | 87284 | 87619 | 87954 | 88289 | 88624 | 88959 | 89294 | 89628 | 89963 | 90298 | | 30 |
| | 70 | 90298 | 90633 | 90968 | 91302 | 91637 | 91972 | 92306 | 92641 | 92976 | 93310 | 93645 | | 20 |
| | 80 | 93645 | 93979 | 94314 | 94648 | 94983 | 95317 | 95652 | 95986 | 96320 | 96655 | 96989 | | 10 |
| | 90 | 8.30 96989 | 97323 | 97657 | 97992 | 98326 | 98660 | 98994 | 99328 | 99662 | 99996 | *00330 | **70** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $98^g\,70^c$ — log cos $98^g\,75^c$

## log tg $1^g\,25^c$ — log tg $1^g\,30^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **25** | **00** | 8.29 30857 | 31205 | 31552 | 31900 | 32247 | 32594 | 32942 | 33289 | 33636 | 33984 | 34331 | | 90 |
| | 10 | 34331 | 34678 | 35025 | 35373 | 35720 | 36067 | 36414 | 36761 | 37108 | 37455 | 37802 | | 80 |
| | 20 | 37802 | 38149 | 38496 | 38843 | 39190 | 39537 | 39883 | 40230 | 40577 | 40924 | 41270 | | 70 |
| | 30 | 41270 | 41617 | 41964 | 42310 | 42657 | 43003 | 43350 | 43697 | 44043 | 44389 | 44736 | | 60 |
| | 40 | 44736 | 45082 | 45429 | 45775 | 46121 | 46468 | 46814 | 47160 | 47506 | 47853 | 48199 | | 50 |
| | 50 | 48199 | 48545 | 48891 | 49237 | 49583 | 49929 | 50275 | 50621 | 50967 | 51313 | 51659 | | 40 |
| | 60 | 51659 | 52005 | 52350 | 52696 | 53042 | 53388 | 53733 | 54079 | 54425 | 54770 | 55116 | | 30 |
| | 70 | 55116 | 55462 | 55807 | 56153 | 56498 | 56844 | 57189 | 57534 | 57880 | 58225 | 58571 | | 20 |
| | 80 | 58571 | 58916 | 59261 | 59606 | 59952 | 60297 | 60642 | 60987 | 61332 | 61677 | 62022 | | 10 |
| | 90 | 62022 | 62367 | 62712 | 63057 | 63402 | 63747 | 64092 | 64437 | 64782 | 65127 | 65471 | **74** | **00** |
| **26** | **00** | 8.29 65471 | 65816 | 66161 | 66506 | 66850 | 67195 | 67539 | 67884 | 68229 | 68573 | 68918 | | 90 |
| | 10 | 68918 | 69262 | 69607 | 69951 | 70295 | 70640 | 70984 | 71328 | 71673 | 72017 | 72361 | | 80 |
| | 20 | 72361 | 72705 | 73050 | 73394 | 73738 | 74082 | 74426 | 74770 | 75114 | 75458 | 75802 | | 70 |
| | 30 | 75802 | 76146 | 76490 | 76834 | 77178 | 77522 | 77865 | 78209 | 78553 | 78897 | 79240 | | 60 |
| | 40 | 79240 | 79584 | 79928 | 80271 | 80615 | 80958 | 81302 | 81645 | 81989 | 82332 | 82676 | | 50 |
| | 50 | 82676 | 83019 | 83362 | 83706 | 84049 | 84392 | 84736 | 85079 | 85422 | 85765 | 86108 | | 40 |
| | 60 | 86108 | 86451 | 86795 | 87138 | 87481 | 87824 | 88167 | 88510 | 88853 | 89195 | 89538 | | 30 |
| | 70 | 89538 | 89881 | 90224 | 90567 | 90910 | 91252 | 91595 | 91938 | 92280 | 92623 | 92966 | | 20 |
| | 80 | 92966 | 93308 | 93651 | 93993 | 94336 | 94678 | 95021 | 95363 | 95706 | 96048 | 96390 | | 10 |
| | 90 | 96390 | 96733 | 97075 | 97417 | 97759 | 98102 | 98444 | 98786 | 99128 | 99470 | 99812 | **73** | **00** |
| **27** | **00** | 8.29 99812 | *00154 | *00496 | *00838 | *01180 | *01522 | *01864 | *02206 | *02548 | *02890 | *03231 | | 90 |
| | 10 | 8.30 03231 | 03573 | 03915 | 04257 | 04598 | 04940 | 05282 | 05623 | 05965 | 06306 | 06648 | | 80 |
| | 20 | 06648 | 06989 | 07331 | 07672 | 08014 | 08355 | 08696 | 09038 | 09379 | 09720 | 10062 | | 70 |
| | 30 | 10062 | 10403 | 10744 | 11085 | 11426 | 11768 | 12109 | 12450 | 12791 | 13132 | 13473 | | 60 |
| | 40 | 13473 | 13814 | 14155 | 14496 | 14837 | 15177 | 15518 | 15859 | 16200 | 16541 | 16881 | | 50 |
| | 50 | 16881 | 17222 | 17563 | 17903 | 18244 | 18585 | 18925 | 19266 | 19606 | 19947 | 20287 | | 40 |
| | 60 | 20287 | 20628 | 20968 | 21308 | 21649 | 21989 | 22329 | 22670 | 23010 | 23350 | 23690 | | 30 |
| | 70 | 23690 | 24030 | 24371 | 24711 | 25051 | 25391 | 25731 | 26071 | 26411 | 26751 | 27091 | | 20 |
| | 80 | 27091 | 27431 | 27771 | 28110 | 28450 | 28790 | 29130 | 29470 | 29809 | 30149 | 30489 | | 10 |
| | 90 | 30489 | 30828 | 31168 | 31507 | 31847 | 32186 | 32526 | 32865 | 33205 | 33544 | 33884 | **72** | **00** |
| **28** | **00** | 8.30 33884 | 34223 | 34562 | 34902 | 35241 | 35580 | 35920 | 36259 | 36598 | 36937 | 37276 | | 90 |
| | 10 | 37276 | 37615 | 37954 | 38294 | 38633 | 38972 | 39311 | 39649 | 39988 | 40327 | 40666 | | 80 |
| | 20 | 40666 | 41005 | 41344 | 41683 | 42021 | 42360 | 42699 | 43037 | 43376 | 43715 | 44053 | | 70 |
| | 30 | 44053 | 44392 | 44730 | 45069 | 45408 | 45746 | 46084 | 46423 | 46761 | 47100 | 47438 | | 60 |
| | 40 | 47438 | 47776 | 48115 | 48453 | 48791 | 49129 | 49467 | 49806 | 50144 | 50482 | 50820 | | 50 |
| | 50 | 50820 | 51158 | 51496 | 51834 | 52172 | 52510 | 52848 | 53186 | 53524 | 53861 | 54199 | | 40 |
| | 60 | 54199 | 54537 | 54875 | 55213 | 55550 | 55888 | 56226 | 56563 | 56901 | 57238 | 57576 | | 30 |
| | 70 | 57576 | 57913 | 58251 | 58588 | 58926 | 59263 | 59601 | 59938 | 60275 | 60613 | 60950 | | 20 |
| | 80 | 60950 | 61287 | 61625 | 61962 | 62299 | 62636 | 62973 | 63310 | 63647 | 63984 | 64321 | | 10 |
| | 90 | 64321 | 64658 | 64995 | 65332 | 65669 | 66006 | 66343 | 66680 | 67017 | 67354 | 67690 | **71** | **00** |
| **29** | **00** | 8.30 67690 | 68027 | 68364 | 68700 | 69037 | 69374 | 69710 | 70047 | 70384 | 70720 | 71057 | | 90 |
| | 10 | 71057 | 71393 | 71730 | 72066 | 72402 | 72739 | 73075 | 73411 | 73748 | 74084 | 74420 | | 80 |
| | 20 | 74420 | 74756 | 75093 | 75429 | 75765 | 76101 | 76437 | 76773 | 77109 | 77445 | 77781 | | 70 |
| | 30 | 77781 | 78117 | 78453 | 78789 | 79125 | 79461 | 79797 | 80132 | 80468 | 80804 | 81140 | | 60 |
| | 40 | 81140 | 81475 | 81811 | 82147 | 82482 | 82818 | 83154 | 83489 | 83825 | 84160 | 84496 | | 50 |
| | 50 | 84496 | 84831 | 85166 | 85502 | 85837 | 86172 | 86508 | 86843 | 87178 | 87514 | 87849 | | 40 |
| | 60 | 87849 | 88184 | 88519 | 88854 | 89189 | 89524 | 89860 | 90195 | 90530 | 90865 | 91199 | | 30 |
| | 70 | 91199 | 91534 | 91869 | 92204 | 92539 | 92874 | 93209 | 93543 | 93878 | 94213 | 94548 | | 20 |
| | 80 | 94548 | 94882 | 95217 | 95551 | 95886 | 96221 | 96555 | 96890 | 97224 | 97559 | 97893 | | 10 |
| | 90 | 8.30 97893 | 98227 | 98562 | 98896 | 99231 | 99565 | 99899 | *00233 | *00568 | *00902 | *01236 | **70** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $98^g\,70^c$ — log ctg $98^g\,75^c$

## log sin $1^g\,30^c$ — log sin $1^g\,35^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **30** | **oo** | 8.31 00330 | 00664 | 00998 | 01332 | 01666 | 02000 | 02334 | 02668 | 03002 | 03336 | 03669 | 90 |
| | 10 | 03669 | 04003 | 04337 | 04671 | 05004 | 05338 | 05672 | 06005 | 06339 | 06672 | 07006 | 80 |
| | 20 | 07006 | 07339 | 07673 | 08006 | 08340 | 08673 | 09006 | 09340 | 09673 | 10006 | 10340 | 70 |
| | 30 | 10340 | 10673 | 11006 | 11339 | 11673 | 12006 | 12339 | 12672 | 13005 | 13338 | 13671 | 60 |
| | 40 | 13671 | 14004 | 14337 | 14670 | 15003 | 15336 | 15669 | 16001 | 16334 | 16667 | 17000 | 50 |
| | 50 | 17000 | 17332 | 17665 | 17998 | 18331 | 18663 | 18996 | 19328 | 19661 | 19993 | 20326 | 40 |
| | 60 | 20326 | 20658 | 20991 | 21323 | 21656 | 21988 | 22320 | 22653 | 22985 | 23317 | 23650 | 30 |
| | 70 | 23650 | 23982 | 24314 | 24646 | 24978 | 25310 | 25643 | 25975 | 26307 | 26639 | 26971 | 20 |
| | 80 | 26971 | 27303 | 27635 | 27966 | 28298 | 28630 | 28962 | 29294 | 29626 | 29957 | 30289 | 10 |
| | 90 | 30289 | 30621 | 30953 | 31284 | 31616 | 31948 | 32279 | 32611 | 32942 | 33274 | 33605 | **69 oo** |
| **31** | **oo** | 8.31 33605 | 33937 | 34268 | 34600 | 34931 | 35262 | 35594 | 35925 | 36256 | 36587 | 36919 | 90 |
| | 10 | 36919 | 37250 | 37581 | 37912 | 38243 | 38575 | 38906 | 39237 | 39568 | 39899 | 40230 | 80 |
| | 20 | 40230 | 40561 | 40892 | 41222 | 41553 | 41884 | 42215 | 42546 | 42877 | 43207 | 43538 | 70 |
| | 30 | 43538 | 43869 | 44200 | 44530 | 44861 | 45191 | 45522 | 45853 | 46183 | 46514 | 46844 | 60 |
| | 40 | 46844 | 47175 | 47505 | 47835 | 48166 | 48496 | 48826 | 49157 | 49487 | 49817 | 50147 | 50 |
| | 50 | 50147 | 50478 | 50808 | 51138 | 51468 | 51798 | 52128 | 52458 | 52788 | 53118 | 53448 | 40 |
| | 60 | 53448 | 53778 | 54108 | 54438 | 54768 | 55098 | 55428 | 55757 | 56087 | 56417 | 56747 | 30 |
| | 70 | 56747 | 57076 | 57406 | 57736 | 58065 | 58395 | 58725 | 59054 | 59384 | 59713 | 60043 | 20 |
| | 80 | 60043 | 60372 | 60702 | 61031 | 61360 | 61690 | 62019 | 62348 | 62678 | 63007 | 63336 | 10 |
| | 90 | 63336 | 63665 | 63994 | 64324 | 64653 | 64982 | 65311 | 65640 | 65969 | 66298 | 66627 | **68 oo** |
| **32** | **oo** | 8.31 66627 | 66956 | 67285 | 67614 | 67943 | 68271 | 68600 | 68929 | 69258 | 69587 | 69915 | 90 |
| | 10 | 69915 | 70244 | 70573 | 70901 | 71230 | 71559 | 71887 | 72216 | 72544 | 72873 | 73201 | 80 |
| | 20 | 73201 | 73530 | 73858 | 74186 | 74515 | 74843 | 75172 | 75500 | 75828 | 76156 | 76485 | 70 |
| | 30 | 76485 | 76813 | 77141 | 77469 | 77797 | 78125 | 78453 | 78782 | 79110 | 79438 | 79766 | 60 |
| | 40 | 79766 | 80093 | 80421 | 80749 | 81077 | 81405 | 81733 | 82061 | 82389 | 82716 | 83044 | 50 |
| | 50 | 83044 | 83372 | 83699 | 84027 | 84355 | 84682 | 85010 | 85337 | 85665 | 85992 | 86320 | 40 |
| | 60 | 86320 | 86647 | 86975 | 87302 | 87630 | 87957 | 88284 | 88612 | 88939 | 89266 | 89593 | 30 |
| | 70 | 89593 | 89921 | 90248 | 90575 | 90902 | 91229 | 91556 | 91883 | 92211 | 92538 | 92865 | 20 |
| | 80 | 92865 | 93192 | 93518 | 93845 | 94172 | 94499 | 94826 | 95153 | 95480 | 95806 | 96133 | 10 |
| | 90 | 96133 | 96460 | 96787 | 97113 | 97440 | 97767 | 98093 | 98420 | 98746 | 99073 | 99399 | **67 oo** |
| **33** | **oo** | 8.31 99399 | 99726 | *00052 | *00379 | *00705 | *01031 | *01358 | *01684 | *02010 | *02337 | *02663 | 90 |
| | 10 | 8.32 02663 | 02989 | 03315 | 03642 | 03968 | 04294 | 04620 | 04946 | 05272 | 05598 | 05924 | 80 |
| | 20 | 05924 | 06250 | 06576 | 06902 | 07228 | 07554 | 07880 | 08206 | 08531 | 08857 | 09183 | 70 |
| | 30 | 09183 | 09509 | 09834 | 10160 | 10486 | 10811 | 11137 | 11463 | 11788 | 12114 | 12439 | 60 |
| | 40 | 12439 | 12765 | 13090 | 13416 | 13741 | 14066 | 14392 | 14717 | 15043 | 15368 | 15693 | 50 |
| | 50 | 15693 | 16018 | 16344 | 16669 | 16994 | 17319 | 17644 | 17969 | 18294 | 18620 | 18945 | 40 |
| | 60 | 18945 | 19270 | 19595 | 19920 | 20244 | 20569 | 20894 | 21219 | 21544 | 21869 | 22194 | 30 |
| | 70 | 22194 | 22518 | 22843 | 23168 | 23493 | 23817 | 24142 | 24466 | 24791 | 25116 | 25440 | 20 |
| | 80 | 25440 | 25765 | 26089 | 26414 | 26738 | 27063 | 27387 | 27711 | 28036 | 28360 | 28684 | 10 |
| | 90 | 28684 | 29009 | 29333 | 29657 | 29981 | 30305 | 30630 | 30954 | 31278 | 31602 | 31926 | **66 oo** |
| **34** | **oo** | 8.32 31926 | 32250 | 32574 | 32898 | 33222 | 33546 | 33870 | 34194 | 34518 | 34842 | 35165 | 90 |
| | 10 | 35165 | 35489 | 35813 | 36137 | 36460 | 36784 | 37108 | 37431 | 37755 | 38079 | 38402 | 80 |
| | 20 | 38402 | 38726 | 39049 | 39373 | 39696 | 40020 | 40343 | 40667 | 40990 | 41313 | 41637 | 70 |
| | 30 | 41637 | 41960 | 42283 | 42607 | 42930 | 43253 | 43576 | 43899 | 44223 | 44546 | 44869 | 60 |
| | 40 | 44869 | 45192 | 45515 | 45838 | 46161 | 46484 | 46807 | 47130 | 47453 | 47776 | 48099 | 50 |
| | 50 | 48099 | 48421 | 48744 | 49067 | 49390 | 49712 | 50035 | 50358 | 50681 | 51003 | 51326 | 40 |
| | 60 | 51326 | 51648 | 51971 | 52294 | 52616 | 52939 | 53261 | 53583 | 53906 | 54228 | 54551 | 30 |
| | 70 | 54551 | 54873 | 55195 | 55518 | 55840 | 56162 | 56484 | 56807 | 57129 | 57451 | 57773 | 20 |
| | 80 | 57773 | 58095 | 58417 | 58739 | 59061 | 59384 | 59706 | 60027 | 60349 | 60671 | 60993 | 10 |
| | 90 | 8.32 60993 | 61315 | 61637 | 61959 | 62281 | 62602 | 62924 | 63246 | 63568 | 63889 | 64211 | **65 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $98^g\,65^c$ — log cos $98^g\,70^c$

## log tg $1^g\,30^c$ — log tg $1^g\,35^c$

| c | cc | | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **30** | **oo** | 8.31 | 01236 | 01570 | 01904 | 02238 | 02572 | 02907 | 03241 | 03575 | 03909 | 04242 | 04576 | 90 |
| | 10 | | 04576 | 04910 | 05244 | 05578 | 05912 | 06246 | 06579 | 06913 | 07247 | 07581 | 07914 | 80 |
| | 20 | | 07914 | 08248 | 08581 | 08915 | 09249 | 09582 | 09916 | 10249 | 10583 | 10916 | 11249 | 70 |
| | 30 | | 11249 | 11583 | 11916 | 12250 | 12583 | 12916 | 13249 | 13583 | 13916 | 14249 | 14582 | 60 |
| | 40 | | 14582 | 14915 | 15248 | 15581 | 15914 | 16248 | 16581 | 16913 | 17246 | 17579 | 17912 | 50 |
| | 50 | | 17912 | 18245 | 18578 | 18911 | 19244 | 19576 | 19909 | 20242 | 20575 | 20907 | 21240 | 40 |
| | 60 | | 21240 | 21572 | 21905 | 22238 | 22570 | 22903 | 23235 | 23568 | 23900 | 24232 | 24565 | 30 |
| | 70 | | 24565 | 24897 | 25230 | 25562 | 25894 | 26226 | 26559 | 26891 | 27223 | 27555 | 27887 | 20 |
| | 80 | | 27887 | 28219 | 28552 | 28884 | 29216 | 29548 | 29880 | 30212 | 30544 | 30875 | 31207 | 10 |
| | 90 | | 31207 | 31539 | 31871 | 32203 | 32535 | 32866 | 33198 | 33530 | 33861 | 34193 | 34525 | **69 oo** |
| **31** | **oo** | 8.31 | 34525 | 34856 | 35188 | 35520 | 35851 | 36183 | 36514 | 36845 | 37177 | 37508 | 37840 | 90 |
| | 10 | | 37840 | 38171 | 38502 | 38834 | 39165 | 39496 | 39827 | 40159 | 40490 | 40821 | 41152 | 80 |
| | 20 | | 41152 | 41483 | 41814 | 42145 | 42476 | 42807 | 43138 | 43469 | 43800 | 44131 | 44462 | 70 |
| | 30 | | 44462 | 44793 | 45124 | 45454 | 45785 | 46116 | 46447 | 46777 | 47108 | 47439 | 47769 | 60 |
| | 40 | | 47769 | 48100 | 48430 | 48761 | 49091 | 49422 | 49752 | 50083 | 50413 | 50744 | 51074 | 50 |
| | 50 | | 51074 | 51404 | 51735 | 52065 | 52395 | 52725 | 53056 | 53386 | 53716 | 54046 | 54376 | 40 |
| | 60 | | 54376 | 54706 | 55036 | 55367 | 55697 | 56027 | 56357 | 56686 | 57016 | 57346 | 57676 | 30 |
| | 70 | | 57676 | 58006 | 58336 | 58666 | 58995 | 59325 | 59655 | 59984 | 60314 | 60644 | 60973 | 20 |
| | 80 | | 60973 | 61303 | 61633 | 61962 | 62292 | 62621 | 62951 | 63280 | 63609 | 63939 | 64268 | 10 |
| | 90 | | 64268 | 64598 | 64927 | 65256 | 65585 | 65915 | 66244 | 66573 | 66902 | 67231 | 67561 | **68 oo** |
| **32** | **oo** | 8.31 | 67561 | 67890 | 68219 | 68548 | 68877 | 69206 | 69535 | 69864 | 70193 | 70521 | 70850 | 90 |
| | 10 | | 70850 | 71179 | 71508 | 71837 | 72166 | 72494 | 72823 | 73152 | 73480 | 73809 | 74138 | 80 |
| | 20 | | 74138 | 74466 | 74795 | 75123 | 75452 | 75780 | 76109 | 76437 | 76766 | 77094 | 77422 | 70 |
| | 30 | | 77422 | 77751 | 78079 | 78407 | 78736 | 79064 | 79392 | 79720 | 80049 | 80377 | 80705 | 60 |
| | 40 | | 80705 | 81033 | 81361 | 81689 | 82017 | 82345 | 82673 | 83001 | 83329 | 83657 | 83985 | 50 |
| | 50 | | 83985 | 84313 | 84640 | 84968 | 85296 | 85624 | 85951 | 86279 | 86607 | 86934 | 87262 | 40 |
| | 60 | | 87262 | 87590 | 87917 | 88245 | 88572 | 88900 | 89227 | 89555 | 89882 | 90210 | 90537 | 30 |
| | 70 | | 90537 | 90864 | 91192 | 91519 | 91846 | 92174 | 92501 | 92828 | 93155 | 93482 | 93810 | 20 |
| | 80 | | 93810 | 94137 | 94464 | 94791 | 95118 | 95445 | 95772 | 96099 | 96426 | 96753 | 97080 | 10 |
| | 90 | 8.31 | 97080 | 97406 | 97733 | 98060 | 98387 | 98714 | 99040 | 99367 | 99694 | *00020 | *00347 | **67 oo** |
| **33** | **oo** | 8.32 | 00347 | 00674 | 01000 | 01327 | 01653 | 01980 | 02306 | 02633 | 02959 | 03286 | 03612 | 90 |
| | 10 | | 03612 | 03939 | 04265 | 04591 | 04918 | 05244 | 05570 | 05896 | 06222 | 06549 | 06875 | 80 |
| | 20 | | 06875 | 07201 | 07527 | 07853 | 08179 | 08505 | 08831 | 09157 | 09483 | 09809 | 10135 | 70 |
| | 30 | | 10135 | 10461 | 10787 | 11113 | 11438 | 11764 | 12090 | 12416 | 12741 | 13067 | 13393 | 60 |
| | 40 | | 13393 | 13718 | 14044 | 14370 | 14695 | 15021 | 15346 | 15672 | 15997 | 16323 | 16648 | 50 |
| | 50 | | 16648 | 16973 | 17299 | 17624 | 17950 | 18275 | 18600 | 18925 | 19251 | 19576 | 19901 | 40 |
| | 60 | | 19901 | 20226 | 20551 | 20876 | 21201 | 21526 | 21852 | 22177 | 22502 | 22826 | 23151 | 30 |
| | 70 | | 23151 | 23476 | 23801 | 24126 | 24451 | 24776 | 25101 | 25425 | 25750 | 26075 | 26399 | 20 |
| | 80 | | 26399 | 26724 | 27049 | 27373 | 27698 | 28023 | 28347 | 28672 | 28996 | 29321 | 29645 | 10 |
| | 90 | | 29645 | 29969 | 30294 | 30618 | 30943 | 31267 | 31591 | 31915 | 32240 | 32564 | 32888 | **66 oo** |
| **34** | **oo** | 8.32 | 32888 | 33212 | 33537 | 33861 | 34185 | 34509 | 34833 | 35157 | 35481 | 35805 | 36129 | 90 |
| | 10 | | 36129 | 36453 | 36777 | 37101 | 37425 | 37748 | 38072 | 38396 | 38720 | 39044 | 39367 | 80 |
| | 20 | | 39367 | 39691 | 40015 | 40338 | 40662 | 40986 | 41309 | 41633 | 41956 | 42280 | 42603 | 70 |
| | 30 | | 42603 | 42927 | 43250 | 43574 | 43897 | 44220 | 44544 | 44867 | 45190 | 45513 | 45837 | 60 |
| | 40 | | 45837 | 46160 | 46483 | 46806 | 47129 | 47453 | 47776 | 48099 | 48422 | 48745 | 49068 | 50 |
| | 50 | | 49068 | 49391 | 49714 | 50037 | 50360 | 50683 | 51005 | 51328 | 51651 | 51974 | 52297 | 40 |
| | 60 | | 52297 | 52619 | 52942 | 53265 | 53587 | 53910 | 54233 | 54555 | 54878 | 55200 | 55523 | 30 |
| | 70 | | 55523 | 55845 | 56168 | 56490 | 56813 | 57135 | 57458 | 57780 | 58102 | 58425 | 58747 | 20 |
| | 80 | | 58747 | 59069 | 59391 | 59714 | 60036 | 60358 | 60680 | 61002 | 61324 | 61646 | 61968 | 10 |
| | 90 | 8.32 | 61968 | 62290 | 62612 | 62934 | 63256 | 63578 | 63900 | 64222 | 64544 | 64866 | 65188 | **65 oo** |
| | | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $98^g\,65^c$ — log ctg $98^g\,70^c$

## log sin $1^g\,35^c$ — log sin $1^g\,40^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **35** | **oo** | 8.32 64211 | 64533 | 64854 | 65176 | 65497 | 65819 | 66140 | 66462 | 66783 | 67105 | 67426 | 90 |
| | 10 | 67426 | 67748 | 68069 | 68390 | 68712 | 69033 | 69354 | 69676 | 69997 | 70318 | 70639 | 80 |
| | 20 | 70639 | 70960 | 71282 | 71603 | 71924 | 72245 | 72566 | 72887 | 73208 | 73529 | 73850 | 70 |
| | 30 | 73850 | 74171 | 74492 | 74812 | 75133 | 75454 | 75775 | 76096 | 76417 | 76737 | 77058 | 60 |
| | 40 | 77058 | 77379 | 77699 | 78020 | 78341 | 78661 | 78982 | 79302 | 79623 | 79943 | 80264 | 50 |
| | 50 | 80264 | 80584 | 80905 | 81225 | 81545 | 81866 | 82186 | 82506 | 82827 | 83147 | 83467 | 40 |
| | 60 | 83467 | 83787 | 84108 | 84428 | 84748 | 85068 | 85388 | 85708 | 86028 | 86348 | 86668 | 30 |
| | 70 | 86668 | 86988 | 87308 | 87628 | 87948 | 88268 | 88588 | 88908 | 89228 | 89547 | 89867 | 20 |
| | 80 | 89867 | 90187 | 90507 | 90826 | 91146 | 91466 | 91785 | 92105 | 92424 | 92744 | 93063 | 10 |
| | 90 | 93063 | 93383 | 93702 | 94022 | 94341 | 94661 | 94980 | 95300 | 95619 | 95938 | 96258 | **64 oo** |
| **36** | **oo** | 8.32 96258 | 96577 | 96896 | 97215 | 97534 | 97854 | 98173 | 98492 | 98811 | 99130 | 99449 | 90 |
| | 10 | 8.32 99449 | 99768 | *00087 | *00406 | *00725 | *01044 | *01363 | *01682 | *02001 | *02320 | *02639 | 80 |
| | 20 | 8.33 02639 | 02957 | 03276 | 03595 | 03914 | 04232 | 04551 | 04870 | 05188 | 05507 | 05826 | 70 |
| | 30 | 05826 | 06144 | 06463 | 06781 | 07100 | 07418 | 07737 | 08055 | 08373 | 08692 | 09010 | 60 |
| | 40 | 09010 | 09329 | 09647 | 09965 | 10283 | 10602 | 10920 | 11238 | 11556 | 11874 | 12193 | 50 |
| | 50 | 12193 | 12511 | 12829 | 13147 | 13465 | 13783 | 14101 | 14419 | 14737 | 15055 | 15373 | 40 |
| | 60 | 15373 | 15690 | 16008 | 16326 | 16644 | 16962 | 17279 | 17597 | 17915 | 18233 | 18550 | 30 |
| | 70 | 18550 | 18868 | 19185 | 19503 | 19821 | 20138 | 20456 | 20773 | 21091 | 21408 | 21726 | 20 |
| | 80 | 21726 | 22043 | 22360 | 22678 | 22995 | 23312 | 23630 | 23947 | 24264 | 24581 | 24899 | 10 |
| | 90 | 24899 | 25216 | 25533 | 25850 | 26167 | 26484 | 26801 | 27118 | 27435 | 27752 | 28069 | **63 oo** |
| **37** | **oo** | 8.33 28069 | 28386 | 28703 | 29020 | 29337 | 29654 | 29971 | 30287 | 30604 | 30921 | 31238 | 90 |
| | 10 | 31238 | 31554 | 31871 | 32188 | 32504 | 32821 | 33138 | 33454 | 33771 | 34087 | 34404 | 80 |
| | 20 | 34404 | 34720 | 35037 | 35353 | 35669 | 35986 | 36302 | 36619 | 36935 | 37251 | 37567 | 70 |
| | 30 | 37567 | 37884 | 38200 | 38516 | 38832 | 39148 | 39465 | 39781 | 40097 | 40413 | 40729 | 60 |
| | 40 | 40729 | 41045 | 41361 | 41677 | 41993 | 42309 | 42625 | 42941 | 43256 | 43572 | 43888 | 50 |
| | 50 | 43888 | 44204 | 44520 | 44835 | 45151 | 45467 | 45782 | 46098 | 46414 | 46729 | 47045 | 40 |
| | 60 | 47045 | 47361 | 47676 | 47992 | 48307 | 48623 | 48938 | 49253 | 49569 | 49884 | 50200 | 30 |
| | 70 | 50200 | 50515 | 50830 | 51145 | 51461 | 51776 | 52091 | 52406 | 52722 | 53037 | 53352 | 20 |
| | 80 | 53352 | 53667 | 53982 | 54297 | 54612 | 54927 | 55242 | 55557 | 55872 | 56187 | 56502 | 10 |
| | 90 | 56502 | 56817 | 57132 | 57446 | 57761 | 58076 | 58391 | 58705 | 59020 | 59335 | 59650 | **62 oo** |
| **38** | **oo** | 8.33 59650 | 59964 | 60279 | 60593 | 60908 | 61223 | 61537 | 61852 | 62166 | 62480 | 62795 | 90 |
| | 10 | 62795 | 63109 | 63424 | 63738 | 64052 | 64367 | 64681 | 64995 | 65310 | 65624 | 65938 | 80 |
| | 20 | 65938 | 66252 | 66566 | 66881 | 67195 | 67509 | 67823 | 68137 | 68451 | 68765 | 69079 | 70 |
| | 30 | 69079 | 69393 | 69707 | 70021 | 70335 | 70649 | 70962 | 71276 | 71590 | 71904 | 72218 | 60 |
| | 40 | 72218 | 72531 | 72845 | 73159 | 73472 | 73786 | 74100 | 74413 | 74727 | 75040 | 75354 | 50 |
| | 50 | 75354 | 75667 | 75981 | 76294 | 76608 | 76921 | 77235 | 77548 | 77861 | 78175 | 78488 | 40 |
| | 60 | 78488 | 78801 | 79115 | 79428 | 79741 | 80054 | 80367 | 80680 | 80994 | 81307 | 81620 | 30 |
| | 70 | 81620 | 81933 | 82246 | 82559 | 82872 | 83185 | 83498 | 83811 | 84124 | 84436 | 84749 | 20 |
| | 80 | 84749 | 85062 | 85375 | 85688 | 86001 | 86313 | 86626 | 86939 | 87251 | 87564 | 87877 | 10 |
| | 90 | 87877 | 88189 | 88502 | 88814 | 89127 | 89439 | 89752 | 90064 | 90377 | 90689 | 91002 | **61 oo** |
| **39** | **oo** | 8.33 91002 | 91314 | 91626 | 91939 | 92251 | 92563 | 92876 | 93188 | 93500 | 93812 | 94125 | 90 |
| | 10 | 94125 | 94437 | 94749 | 95061 | 95373 | 95685 | 95997 | 96309 | 96621 | 96933 | 97245 | 80 |
| | 20 | 8.33 97245 | 97557 | 97869 | 98181 | 98493 | 98804 | 99116 | 99428 | 99740 | *00052 | *00363 | 70 |
| | 30 | 8.34 00363 | 00675 | 00987 | 01298 | 01610 | 01922 | 02233 | 02545 | 02856 | 03168 | 03479 | 60 |
| | 40 | 03479 | 03791 | 04102 | 04414 | 04725 | 05037 | 05348 | 05659 | 05971 | 06282 | 06593 | 50 |
| | 50 | 06593 | 06905 | 07216 | 07527 | 07838 | 08149 | 08461 | 08772 | 09083 | 09394 | 09705 | 40 |
| | 60 | 09705 | 10016 | 10327 | 10638 | 10949 | 11260 | 11571 | 11882 | 12193 | 12503 | 12814 | 30 |
| | 70 | 12814 | 13125 | 13436 | 13747 | 14057 | 14368 | 14679 | 14990 | 15300 | 15611 | 15921 | 20 |
| | 80 | 15921 | 16232 | 16543 | 16853 | 17164 | 17474 | 17785 | 18095 | 18406 | 18716 | 19026 | 10 |
| | 90 | 8.34 19026 | 19337 | 19647 | 19957 | 20268 | 20578 | 20888 | 21198 | 21509 | 21819 | 22129 | **60 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $98^g\,60^c$ — log cos $98^g\,65^c$

## log tg $1^g\,35^c$ — log tg $1^g\,40^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **35** | **oo** | 8.32 65188 | 65509 | 65831 | 66153 | 66475 | 66796 | 67118 | 67439 | 67761 | 68083 | 68404 | 90 |
| | 10 | 68404 | 68726 | 69047 | 69369 | 69690 | 70012 | 70333 | 70655 | 70976 | 71297 | 71619 | 80 |
| | 20 | 71619 | 71940 | 72261 | 72583 | 72904 | 73225 | 73546 | 73867 | 74188 | 74510 | 74831 | 70 |
| | 30 | 74831 | 75152 | 75473 | 75794 | 76115 | 76436 | 76757 | 77078 | 77399 | 77719 | 78040 | 60 |
| | 40 | 78040 | 78361 | 78682 | 79003 | 79324 | 79644 | 79965 | 80286 | 80606 | 80927 | 81248 | 50 |
| | 50 | 81248 | 81568 | 81889 | 82209 | 82530 | 82850 | 83171 | 83491 | 83812 | 84132 | 84453 | 40 |
| | 60 | 84453 | 84773 | 85093 | 85414 | 85734 | 86054 | 86374 | 86695 | 87015 | 87335 | 87655 | 30 |
| | 70 | 87655 | 87975 | 88295 | 88615 | 88935 | 89255 | 89575 | 89895 | 90215 | 90535 | 90855 | 20 |
| | 80 | 90855 | 91175 | 91495 | 91815 | 92135 | 92454 | 92774 | 93094 | 93414 | 93733 | 94053 | 10 |
| | 90 | 94053 | 94373 | 94692 | 95012 | 95332 | 95651 | 95971 | 96290 | 96610 | 96929 | 97249 | **64 oo** |
| **36** | **oo** | 8.32 97249 | 97568 | 97887 | 98207 | 98526 | 98845 | 99165 | 99484 | 99803 | *00123 | *00442 | 90 |
| | 10 | 8.33 00442 | 00761 | 01080 | 01399 | 01718 | 02037 | 02356 | 02676 | 02995 | 03314 | 03633 | 80 |
| | 20 | 03633 | 03951 | 04270 | 04589 | 04908 | 05227 | 05546 | 05865 | 06183 | 06502 | 06821 | 70 |
| | 30 | 06821 | 07140 | 07458 | 07777 | 08096 | 08414 | 08733 | 09052 | 09370 | 09689 | 10007 | 60 |
| | 40 | 10007 | 10326 | 10644 | 10962 | 11281 | 11599 | 11918 | 12236 | 12554 | 12873 | 13191 | 50 |
| | 50 | 13191 | 13509 | 13827 | 14146 | 14464 | 14782 | 15100 | 15418 | 15736 | 16054 | 16372 | 40 |
| | 60 | 16372 | 16690 | 17008 | 17326 | 17644 | 17962 | 18280 | 18598 | 18916 | 19234 | 19551 | 30 |
| | 70 | 19551 | 19869 | 20187 | 20505 | 20822 | 21140 | 21458 | 21775 | 22093 | 22411 | 22728 | 20 |
| | 80 | 22728 | 23046 | 23363 | 23681 | 23998 | 24316 | 24633 | 24951 | 25268 | 25585 | 25903 | 10 |
| | 90 | 25903 | 26220 | 26537 | 26855 | 27172 | 27489 | 27806 | 28124 | 28441 | 28758 | 29075 | **63 oo** |
| **37** | **oo** | 8.33 29075 | 29392 | 29709 | 30026 | 30343 | 30660 | 30977 | 31294 | 31611 | 31928 | 32245 | 90 |
| | 10 | 32245 | 32562 | 32878 | 33195 | 33512 | 33829 | 34146 | 34462 | 34779 | 35096 | 35412 | 80 |
| | 20 | 35412 | 35729 | 36046 | 36362 | 36679 | 36995 | 37312 | 37628 | 37945 | 38261 | 38578 | 70 |
| | 30 | 38578 | 38894 | 39210 | 39527 | 39843 | 40159 | 40476 | 40792 | 41108 | 41424 | 41741 | 60 |
| | 40 | 41741 | 42057 | 42373 | 42689 | 43005 | 43321 | 43637 | 43953 | 44269 | 44585 | 44901 | 50 |
| | 50 | 44901 | 45217 | 45533 | 45849 | 46165 | 46481 | 46796 | 47112 | 47428 | 47744 | 48059 | 40 |
| | 60 | 48059 | 48375 | 48691 | 49007 | 49322 | 49638 | 49953 | 50269 | 50585 | 50900 | 51216 | 30 |
| | 70 | 51216 | 51531 | 51846 | 52162 | 52477 | 52793 | 53108 | 53423 | 53739 | 54054 | 54369 | 20 |
| | 80 | 54369 | 54685 | 55000 | 55315 | 55630 | 55945 | 56260 | 56576 | 56891 | 57206 | 57521 | 10 |
| | 90 | 57521 | 57836 | 58151 | 58466 | 58781 | 59096 | 59411 | 59725 | 60040 | 60355 | 60670 | **62 oo** |
| **38** | **oo** | 8.33 60670 | 60985 | 61300 | 61614 | 61929 | 62244 | 62558 | 62873 | 63188 | 63502 | 63817 | 90 |
| | 10 | 63817 | 64131 | 64446 | 64760 | 65075 | 65389 | 65704 | 66018 | 66333 | 66647 | 66961 | 80 |
| | 20 | 66961 | 67276 | 67590 | 67904 | 68219 | 68533 | 68847 | 69161 | 69476 | 69790 | 70104 | 70 |
| | 30 | 70104 | 70418 | 70732 | 71046 | 71360 | 71674 | 71988 | 72302 | 72616 | 72930 | 73244 | 60 |
| | 40 | 73244 | 73558 | 73872 | 74186 | 74499 | 74813 | 75127 | 75441 | 75754 | 76068 | 76382 | 50 |
| | 50 | 76382 | 76695 | 77009 | 77323 | 77636 | 77950 | 78263 | 78577 | 78890 | 79204 | 79517 | 40 |
| | 60 | 79517 | 79831 | 80144 | 80458 | 80771 | 81084 | 81398 | 81711 | 82024 | 82337 | 82651 | 30 |
| | 70 | 82651 | 82964 | 83277 | 83590 | 83903 | 84216 | 84530 | 84843 | 85156 | 85469 | 85782 | 20 |
| | 80 | 85782 | 86095 | 86408 | 86721 | 87033 | 87346 | 87659 | 87972 | 88285 | 88598 | 88910 | 10 |
| | 90 | 88910 | 89223 | 89536 | 89849 | 90161 | 90474 | 90787 | 91099 | 91412 | 91724 | 92037 | **61 oo** |
| **39** | **oo** | 8.33 92037 | 92350 | 92662 | 92975 | 93287 | 93599 | 93912 | 94224 | 94537 | 94849 | 95161 | 90 |
| | 10 | 95161 | 95474 | 95786 | 96098 | 96410 | 96723 | 97035 | 97347 | 97659 | 97971 | 98283 | 80 |
| | 20 | 8.33 98283 | 98595 | 98907 | 99219 | 99532 | 99844 | *00155 | *00467 | *00779 | *01091 | *01403 | 70 |
| | 30 | 8.34 01403 | 01715 | 02027 | 02339 | 02650 | 02962 | 03274 | 03586 | 03897 | 04209 | 04521 | 60 |
| | 40 | 04521 | 04832 | 05144 | 05456 | 05767 | 06079 | 06390 | 06702 | 07013 | 07325 | 07636 | 50 |
| | 50 | 07636 | 07947 | 08259 | 08570 | 08882 | 09193 | 09504 | 09815 | 10127 | 10438 | 10749 | 40 |
| | 60 | 10749 | 11060 | 11371 | 11683 | 11994 | 12305 | 12616 | 12927 | 13238 | 13549 | 13860 | 30 |
| | 70 | 13860 | 14171 | 14482 | 14793 | 15104 | 15415 | 15725 | 16036 | 16347 | 16658 | 16969 | 20 |
| | 80 | 16969 | 17279 | 17590 | 17901 | 18212 | 18522 | 18833 | 19143 | 19454 | 19765 | 20075 | 10 |
| | 90 | 8.34 20075 | 20386 | 20696 | 21007 | 21317 | 21627 | 21938 | 22248 | 22559 | 22869 | 23179 | **60 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $98^g\,60^c$ — log ctg $98^g\,65^c$

## log sin $1^g\,40^c$ — log sin $1^g\,45^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **40** | **oo** | 8.34 22129 | 22439 | 22749 | 23059 | 23370 | 23680 | 23990 | 24300 | 24610 | 24920 | 25230 | 90 |
| | 10 | 25230 | 25539 | 25849 | 26159 | 26469 | 26779 | 27089 | 27399 | 27708 | 28018 | 28328 | 80 |
| | 20 | 28328 | 28638 | 28947 | 29257 | 29567 | 29876 | 30186 | 30495 | 30805 | 31114 | 31424 | 70 |
| | 30 | 31424 | 31733 | 32043 | 32352 | 32662 | 32971 | 33281 | 33590 | 33899 | 34209 | 34518 | 60 |
| | 40 | 34518 | 34827 | 35136 | 35446 | 35755 | 36064 | 36373 | 36682 | 36991 | 37300 | 37609 | 50 |
| | 50 | 37609 | 37918 | 38228 | 38537 | 38846 | 39154 | 39463 | 39772 | 40081 | 40390 | 40699 | 40 |
| | 60 | 40699 | 41008 | 41317 | 41625 | 41934 | 42243 | 42552 | 42860 | 43169 | 43478 | 43786 | 30 |
| | 70 | 43786 | 44095 | 44403 | 44712 | 45020 | 45329 | 45637 | 45946 | 46254 | 46563 | 46871 | 20 |
| | 80 | 46871 | 47180 | 47488 | 47796 | 48105 | 48413 | 48721 | 49029 | 49338 | 49646 | 49954 | 10 |
| | 90 | 49954 | 50262 | 50570 | 50879 | 51187 | 51495 | 51803 | 52111 | 52419 | 52727 | 53035 | **59 oo** |
| **41** | **oo** | 8.34 53035 | 53343 | 53651 | 53959 | 54266 | 54574 | 54882 | 55190 | 55498 | 55806 | 56113 | 90 |
| | 10 | 56113 | 56421 | 56729 | 57036 | 57344 | 57652 | 57959 | 58267 | 58575 | 58882 | 59190 | 80 |
| | 20 | 59190 | 59497 | 59805 | 60112 | 60420 | 60727 | 61034 | 61342 | 61649 | 61956 | 62264 | 70 |
| | 30 | 62264 | 62571 | 62878 | 63186 | 63493 | 63800 | 64107 | 64414 | 64722 | 65029 | 65336 | 60 |
| | 40 | 65336 | 65643 | 65950 | 66257 | 66564 | 66871 | 67178 | 67485 | 67792 | 68099 | 68406 | 50 |
| | 50 | 68406 | 68712 | 69019 | 69326 | 69633 | 69940 | 70246 | 70553 | 70860 | 71167 | 71473 | 40 |
| | 60 | 71473 | 71780 | 72086 | 72393 | 72700 | 73006 | 73313 | 73619 | 73926 | 74232 | 74539 | 30 |
| | 70 | 74539 | 74845 | 75151 | 75458 | 75764 | 76071 | 76377 | 76683 | 76989 | 77296 | 77602 | 20 |
| | 80 | 77602 | 77908 | 78214 | 78521 | 78827 | 79133 | 79439 | 79745 | 80051 | 80357 | 80663 | 10 |
| | 90 | 80663 | 80969 | 81275 | 81581 | 81887 | 82193 | 82499 | 82805 | 83110 | 83416 | 83722 | **58 oo** |
| **42** | **oo** | 8.34 83722 | 84028 | 84334 | 84639 | 84945 | 85251 | 85556 | 85862 | 86168 | 86473 | 86779 | 90 |
| | 10 | 86779 | 87084 | 87390 | 87696 | 88001 | 88307 | 88612 | 88917 | 89223 | 89528 | 89834 | 80 |
| | 20 | 89834 | 90139 | 90444 | 90750 | 91055 | 91360 | 91665 | 91971 | 92276 | 92581 | 92886 | 70 |
| | 30 | 92886 | 93191 | 93496 | 93801 | 94107 | 94412 | 94717 | 95022 | 95327 | 95632 | 95937 | 60 |
| | 40 | 95937 | 96241 | 96546 | 96851 | 97156 | 97461 | 97766 | 98070 | 98375 | 98680 | 98985 | 50 |
| | 50 | 8.34 98985 | 99289 | 99594 | 99899 | *00203 | *00508 | *00813 | *01117 | *01422 | *01726 | *02031 | 40 |
| | 60 | 8.35 02031 | 02335 | 02640 | 02944 | 03249 | 03553 | 03857 | 04162 | 04466 | 04771 | 05075 | 30 |
| | 70 | 05075 | 05379 | 05683 | 05988 | 06292 | 06596 | 06900 | 07204 | 07508 | 07813 | 08117 | 20 |
| | 80 | 08117 | 08421 | 08725 | 09029 | 09333 | 09637 | 09941 | 10245 | 10549 | 10852 | 11156 | 10 |
| | 90 | 11156 | 11460 | 11764 | 12068 | 12372 | 12675 | 12979 | 13283 | 13587 | 13890 | 14194 | **57 oo** |
| **43** | **oo** | 8.35 14194 | 14498 | 14801 | 15105 | 15408 | 15712 | 16015 | 16319 | 16622 | 16926 | 17229 | 90 |
| | 10 | 17229 | 17533 | 17836 | 18140 | 18443 | 18746 | 19050 | 19353 | 19656 | 19959 | 20263 | 80 |
| | 20 | 20263 | 20566 | 20869 | 21172 | 21475 | 21779 | 22082 | 22385 | 22688 | 22991 | 23294 | 70 |
| | 30 | 23294 | 23597 | 23900 | 24203 | 24506 | 24809 | 25112 | 25415 | 25717 | 26020 | 26323 | 60 |
| | 40 | 26323 | 26626 | 26929 | 27231 | 27534 | 27837 | 28139 | 28442 | 28745 | 29047 | 29350 | 50 |
| | 50 | 29350 | 29653 | 29955 | 30258 | 30560 | 30863 | 31165 | 31468 | 31770 | 32072 | 32375 | 40 |
| | 60 | 32375 | 32677 | 32980 | 33282 | 33584 | 33887 | 34189 | 34491 | 34793 | 35095 | 35398 | 30 |
| | 70 | 35398 | 35700 | 36002 | 36304 | 36606 | 36908 | 37210 | 37512 | 37814 | 38116 | 38418 | 20 |
| | 80 | 38418 | 38720 | 39022 | 39324 | 39626 | 39928 | 40230 | 40532 | 40833 | 41135 | 41437 | 10 |
| | 90 | 41437 | 41739 | 42040 | 42342 | 42644 | 42945 | 43247 | 43549 | 43850 | 44152 | 44453 | **56 oo** |
| **44** | **oo** | 8.35 44453 | 44755 | 45056 | 45358 | 45659 | 45961 | 46262 | 46564 | 46865 | 47166 | 47468 | 90 |
| | 10 | 47468 | 47769 | 48070 | 48372 | 48673 | 48974 | 49275 | 49577 | 49878 | 50179 | 50480 | 80 |
| | 20 | 50480 | 50781 | 51082 | 51383 | 51684 | 51985 | 52286 | 52587 | 52888 | 53189 | 53490 | 70 |
| | 30 | 53490 | 53791 | 54092 | 54393 | 54694 | 54995 | 55295 | 55596 | 55897 | 56198 | 56498 | 60 |
| | 40 | 56498 | 56799 | 57100 | 57400 | 57701 | 58002 | 58302 | 58603 | 58903 | 59204 | 59504 | 50 |
| | 50 | 59504 | 59805 | 60105 | 60406 | 60706 | 61007 | 61307 | 61607 | 61908 | 62208 | 62508 | 40 |
| | 60 | 62508 | 62809 | 63109 | 63409 | 63709 | 64009 | 64310 | 64610 | 64910 | 65210 | 65510 | 30 |
| | 70 | 65510 | 65810 | 66110 | 66410 | 66710 | 67010 | 67310 | 67610 | 67910 | 68210 | 68510 | 20 |
| | 80 | 68510 | 68810 | 69110 | 69409 | 69709 | 70009 | 70309 | 70609 | 70908 | 71208 | 71508 | 10 |
| | 90 | 8.35 71508 | 71807 | 72107 | 72407 | 72706 | 73006 | 73305 | 73605 | 73904 | 74204 | 74503 | **55 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $98^g\,55^c$ — log cos $98^g\,60^c$

## log tg $1^g\,40^c$ — log tg $1^g\,45^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **40** | **oo** | 8.34 23179 | 23490 | 23800 | 24110 | 24420 | 24731 | 25041 | 25351 | 25661 | 25971 | 26281 | 90 |
| | 10 | 26281 | 26591 | 26901 | 27211 | 27521 | 27831 | 28141 | 28451 | 28761 | 29071 | 29381 | 80 |
| | 20 | 29381 | 29691 | 30001 | 30311 | 30620 | 30930 | 31240 | 31550 | 31859 | 32169 | 32479 | 70 |
| | 30 | 32479 | 32788 | 33098 | 33408 | 33717 | 34027 | 34336 | 34646 | 34955 | 35265 | 35574 | 60 |
| | 40 | 35574 | 35883 | 36193 | 36502 | 36812 | 37121 | 37430 | 37739 | 38049 | 38358 | 38667 | 50 |
| | 50 | 38667 | 38976 | 39286 | 39595 | 39904 | 40213 | 40522 | 40831 | 41140 | 41449 | 41758 | 40 |
| | 60 | 41758 | 42067 | 42376 | 42685 | 42994 | 43303 | 43612 | 43921 | 44229 | 44538 | 44847 | 30 |
| | 70 | 44847 | 45156 | 45464 | 45773 | 46082 | 46391 | 46699 | 47008 | 47316 | 47625 | 47934 | 20 |
| | 80 | 47934 | 48242 | 48551 | 48859 | 49168 | 49476 | 49784 | 50093 | 50401 | 50710 | 51018 | 10 |
| | 90 | 51018 | 51326 | 51635 | 51943 | 52251 | 52559 | 52867 | 53176 | 53484 | 53792 | 54100 | **59 oo** |
| **41** | **oo** | 8.34 54100 | 54408 | 54716 | 55024 | 55332 | 55640 | 55948 | 56256 | 56564 | 56872 | 57180 | 90 |
| | 10 | 57180 | 57488 | 57796 | 58104 | 58412 | 58719 | 59027 | 59335 | 59643 | 59950 | 60258 | 80 |
| | 20 | 60258 | 60566 | 60873 | 61181 | 61488 | 61796 | 62104 | 62411 | 62719 | 63026 | 63334 | 70 |
| | 30 | 63334 | 63641 | 63949 | 64256 | 64563 | 64871 | 65178 | 65485 | 65793 | 66100 | 66407 | 60 |
| | 40 | 66407 | 66714 | 67022 | 67329 | 67636 | 67943 | 68250 | 68557 | 68864 | 69171 | 69478 | 50 |
| | 50 | 69478 | 69785 | 70092 | 70399 | 70706 | 71013 | 71320 | 71627 | 71934 | 72241 | 72548 | 40 |
| | 60 | 72548 | 72854 | 73161 | 73468 | 73775 | 74081 | 74388 | 74695 | 75001 | 75308 | 75615 | 30 |
| | 70 | 75615 | 75921 | 76228 | 76534 | 76841 | 77147 | 77454 | 77760 | 78067 | 78373 | 78679 | 20 |
| | 80 | 78679 | 78986 | 79292 | 79598 | 79905 | 80211 | 80517 | 80823 | 81130 | 81436 | 81742 | 10 |
| | 90 | 81742 | 82048 | 82354 | 82660 | 82966 | 83273 | 83579 | 83885 | 84191 | 84497 | 84803 | **58 oo** |
| **42** | **oo** | 8.34 84803 | 85108 | 85414 | 85720 | 86026 | 86332 | 86638 | 86944 | 87249 | 87555 | 87861 | 90 |
| | 10 | 87861 | 88167 | 88472 | 88778 | 89084 | 89389 | 89695 | 90000 | 90306 | 90612 | 90917 | 80 |
| | 20 | 90917 | 91223 | 91528 | 91834 | 92139 | 92444 | 92750 | 93055 | 93361 | 93666 | 93971 | 70 |
| | 30 | 93971 | 94276 | 94582 | 94887 | 95192 | 95497 | 95803 | 96108 | 96413 | 96718 | 97023 | 60 |
| | 40 | 8.34 97023 | 97328 | 97633 | 97938 | 98243 | 98548 | 98853 | 99158 | 99463 | 99768 | *00073 | 50 |
| | 50 | 8.35 00073 | 00378 | 00683 | 00987 | 01292 | 01597 | 01902 | 02206 | 02511 | 02816 | 03120 | 40 |
| | 60 | 03120 | 03425 | 03730 | 04034 | 04339 | 04643 | 04948 | 05253 | 05557 | 05861 | 06166 | 30 |
| | 70 | 06166 | 06470 | 06775 | 07079 | 07384 | 07688 | 07992 | 08297 | 08601 | 08905 | 09209 | 20 |
| | 80 | 09209 | 09514 | 09818 | 10122 | 10426 | 10730 | 11034 | 11338 | 11642 | 11947 | 12251 | 10 |
| | 90 | 12251 | 12555 | 12859 | 13163 | 13466 | 13770 | 14074 | 14378 | 14682 | 14986 | 15290 | **57 oo** |
| **43** | **oo** | 8.35 15290 | 15593 | 15897 | 16201 | 16505 | 16808 | 17112 | 17416 | 17719 | 18023 | 18327 | 90 |
| | 10 | 18327 | 18630 | 18934 | 19237 | 19541 | 19844 | 20148 | 20451 | 20755 | 21058 | 21362 | 80 |
| | 20 | 21362 | 21665 | 21968 | 22272 | 22575 | 22878 | 23181 | 23485 | 23788 | 24091 | 24394 | 70 |
| | 30 | 24394 | 24697 | 25001 | 25304 | 25607 | 25910 | 26213 | 26516 | 26819 | 27122 | 27425 | 60 |
| | 40 | 27425 | 27728 | 28031 | 28334 | 28637 | 28939 | 29242 | 29545 | 29848 | 30151 | 30453 | 50 |
| | 50 | 30453 | 30756 | 31059 | 31362 | 31664 | 31967 | 32270 | 32572 | 32875 | 33177 | 33480 | 40 |
| | 60 | 33480 | 33782 | 34085 | 34387 | 34690 | 34992 | 35295 | 35597 | 35899 | 36202 | 36504 | 30 |
| | 70 | 36504 | 36806 | 37109 | 37411 | 37713 | 38015 | 38318 | 38620 | 38922 | 39224 | 39526 | 20 |
| | 80 | 39526 | 39828 | 40131 | 40433 | 40735 | 41037 | 41339 | 41641 | 41943 | 42245 | 42546 | 10 |
| | 90 | 42546 | 42848 | 43150 | 43452 | 43754 | 44056 | 44358 | 44659 | 44961 | 45263 | 45564 | **56 oo** |
| **44** | **oo** | 8.35 45564 | 45866 | 46168 | 46469 | 46771 | 47073 | 47374 | 47676 | 47977 | 48279 | 48580 | 90 |
| | 10 | 48580 | 48882 | 49183 | 49485 | 49786 | 50088 | 50389 | 50690 | 50992 | 51293 | 51594 | 80 |
| | 20 | 51594 | 51895 | 52197 | 52498 | 52799 | 53100 | 53401 | 53703 | 54004 | 54305 | 54606 | 70 |
| | 30 | 54606 | 54907 | 55208 | 55509 | 55810 | 56111 | 56412 | 56713 | 57014 | 57315 | 57616 | 60 |
| | 40 | 57616 | 57916 | 58217 | 58518 | 58819 | 59120 | 59420 | 59721 | 60022 | 60322 | 60623 | 50 |
| | 50 | 60623 | 60924 | 61224 | 61525 | 61826 | 62126 | 62427 | 62727 | 63028 | 63328 | 63629 | 40 |
| | 60 | 63629 | 63929 | 64229 | 64530 | 64830 | 65131 | 65431 | 65731 | 66032 | 66332 | 66632 | 30 |
| | 70 | 66632 | 66932 | 67232 | 67533 | 67833 | 68133 | 68433 | 68733 | 69033 | 69333 | 69633 | 20 |
| | 80 | 69633 | 69933 | 70233 | 70533 | 70833 | 71133 | 71433 | 71733 | 72033 | 72333 | 72633 | 10 |
| | 90 | 8.35 72633 | 72932 | 73232 | 73532 | 73832 | 74132 | 74431 | 74731 | 75031 | 75330 | 75630 | **55 oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

## log ctg $98^g\,55^c$ — log ctg $98^g\,60^c$

## log sin $1^g\,45^c$ — log sin $1^g\,50^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **45** | **oo** | 8.35 74503 | 74803 | 75102 | 75402 | 75701 | 76000 | 76300 | 76599 | 76898 | 77198 | 77497 | | 90 |
| | 10 | 77497 | 77796 | 78095 | 78395 | 78694 | 78993 | 79292 | 79591 | 79890 | 80189 | 80488 | | 80 |
| | 20 | 80488 | 80787 | 81086 | 81385 | 81684 | 81983 | 82282 | 82581 | 82880 | 83179 | 83478 | | 70 |
| | 30 | 83478 | 83777 | 84075 | 84374 | 84673 | 84972 | 85271 | 85569 | 85868 | 86167 | 86465 | | 60 |
| | 40 | 86465 | 86764 | 87062 | 87361 | 87660 | 87958 | 88257 | 88555 | 88854 | 89152 | 89451 | | 50 |
| | 50 | 89451 | 89749 | 90047 | 90346 | 90644 | 90943 | 91241 | 91539 | 91837 | 92136 | 92434 | | 40 |
| | 60 | 92434 | 92732 | 93030 | 93328 | 93627 | 93925 | 94223 | 94521 | 94819 | 95117 | 95415 | | 30 |
| | 70 | 95415 | 95713 | 96011 | 96309 | 96607 | 96905 | 97203 | 97501 | 97799 | 98097 | 98394 | | 20 |
| | 80 | 8.35 98394 | 98692 | 98990 | 99288 | 99585 | 99883 | *00181 | *00479 | *00776 | *01074 | *01372 | | 10 |
| | 90 | 8.36 01372 | 01669 | 01967 | 02264 | 02562 | 02859 | 03157 | 03454 | 03752 | 04049 | 04347 | **54** | **oo** |
| **46** | **oo** | 8.36 04347 | 04644 | 04941 | 05239 | 05536 | 05833 | 06131 | 06428 | 06725 | 07022 | 07320 | | 90 |
| | 10 | 07320 | 07617 | 07914 | 08211 | 08508 | 08805 | 09103 | 09400 | 09697 | 09994 | 10291 | | 80 |
| | 20 | 10291 | 10588 | 10885 | 11182 | 11479 | 11776 | 12072 | 12369 | 12666 | 12963 | 13260 | | 70 |
| | 30 | 13260 | 13557 | 13853 | 14150 | 14447 | 14744 | 15040 | 15337 | 15634 | 15930 | 16227 | | 60 |
| | 40 | 16227 | 16523 | 16820 | 17116 | 17413 | 17709 | 18006 | 18302 | 18599 | 18895 | 19192 | | 50 |
| | 50 | 19192 | 19488 | 19784 | 20081 | 20377 | 20673 | 20970 | 21266 | 21562 | 21858 | 22155 | | 40 |
| | 60 | 22155 | 22451 | 22747 | 23043 | 23339 | 23635 | 23931 | 24227 | 24524 | 24820 | 25116 | | 30 |
| | 70 | 25116 | 25412 | 25707 | 26003 | 26299 | 26595 | 26891 | 27187 | 27483 | 27779 | 28074 | | 20 |
| | 80 | 28074 | 28370 | 28666 | 28962 | 29257 | 29553 | 29849 | 30144 | 30440 | 30736 | 31031 | | 10 |
| | 90 | 31031 | 31327 | 31622 | 31918 | 32214 | 32509 | 32804 | 33100 | 33395 | 33691 | 33986 | **53** | **oo** |
| **47** | **oo** | 8.36 33986 | 34282 | 34577 | 34872 | 35168 | 35463 | 35758 | 36053 | 36349 | 36644 | 36939 | | 90 |
| | 10 | 36939 | 37234 | 37529 | 37825 | 38120 | 38415 | 38710 | 39005 | 39300 | 39595 | 39890 | | 80 |
| | 20 | 39890 | 40185 | 40480 | 40775 | 41070 | 41365 | 41659 | 41954 | 42249 | 42544 | 42839 | | 70 |
| | 30 | 42839 | 43134 | 43428 | 43723 | 44018 | 44312 | 44607 | 44902 | 45196 | 45491 | 45786 | | 60 |
| | 40 | 45786 | 46080 | 46375 | 46669 | 46964 | 47258 | 47553 | 47847 | 48142 | 48436 | 48730 | | 50 |
| | 50 | 48730 | 49025 | 49319 | 49613 | 49908 | 50202 | 50496 | 50791 | 51085 | 51379 | 51673 | | 40 |
| | 60 | 51673 | 51967 | 52262 | 52556 | 52850 | 53144 | 53438 | 53732 | 54026 | 54320 | 54614 | | 30 |
| | 70 | 54614 | 54908 | 55202 | 55496 | 55790 | 56084 | 56378 | 56672 | 56965 | 57259 | 57553 | | 20 |
| | 80 | 57553 | 57847 | 58140 | 58434 | 58728 | 59022 | 59315 | 59609 | 59903 | 60196 | 60490 | | 10 |
| | 90 | 60490 | 60783 | 61077 | 61371 | 61664 | 61958 | 62251 | 62544 | 62838 | 63131 | 63425 | **52** | **oo** |
| **48** | **oo** | 8.36 63425 | 63718 | 64011 | 64305 | 64598 | 64891 | 65185 | 65478 | 65771 | 66064 | 66358 | | 90 |
| | 10 | 66358 | 66651 | 66944 | 67237 | 67530 | 67823 | 68116 | 68409 | 68703 | 68996 | 69289 | | 80 |
| | 20 | 69289 | 69582 | 69874 | 70167 | 70460 | 70753 | 71046 | 71339 | 71632 | 71925 | 72217 | | 70 |
| | 30 | 72217 | 72510 | 72803 | 73096 | 73389 | 73681 | 73974 | 74267 | 74559 | 74852 | 75144 | | 60 |
| | 40 | 75144 | 75437 | 75730 | 76022 | 76315 | 76607 | 76900 | 77192 | 77485 | 77777 | 78069 | | 50 |
| | 50 | 78069 | 78362 | 78654 | 78947 | 79239 | 79531 | 79824 | 80116 | 80408 | 80700 | 80992 | | 40 |
| | 60 | 80992 | 81285 | 81577 | 81869 | 82161 | 82453 | 82745 | 83037 | 83329 | 83622 | 83914 | | 30 |
| | 70 | 83914 | 84206 | 84498 | 84789 | 85081 | 85373 | 85665 | 85957 | 86249 | 86541 | 86833 | | 20 |
| | 80 | 86833 | 87124 | 87416 | 87708 | 88000 | 88291 | 88583 | 88875 | 89167 | 89458 | 89750 | | 10 |
| | 90 | 89750 | 90041 | 90333 | 90625 | 90916 | 91208 | 91499 | 91791 | 92082 | 92374 | 92665 | **51** | **oo** |
| **49** | **oo** | 8.36 92665 | 92956 | 93248 | 93539 | 93830 | 94122 | 94413 | 94704 | 94996 | 95287 | 95578 | | 90 |
| | 10 | 95578 | 95869 | 96161 | 96452 | 96743 | 97034 | 97325 | 97616 | 97907 | 98198 | 98489 | | 80 |
| | 20 | 8.36 98489 | 98780 | 99071 | 99362 | 99653 | 99944 | *00235 | *00526 | *00817 | *01108 | *01399 | | 70 |
| | 30 | 8.37 01399 | 01690 | 01980 | 02271 | 02562 | 02853 | 03143 | 03434 | 03725 | 04015 | 04306 | | 60 |
| | 40 | 04306 | 04597 | 04887 | 05178 | 05469 | 05759 | 06050 | 06340 | 06631 | 06921 | 07212 | | 50 |
| | 50 | 07212 | 07502 | 07792 | 08083 | 08373 | 08664 | 08954 | 09244 | 09534 | 09825 | 10115 | | 40 |
| | 60 | 10115 | 10405 | 10695 | 10986 | 11276 | 11566 | 11856 | 12146 | 12436 | 12726 | 13017 | | 30 |
| | 70 | 13017 | 13307 | 13597 | 13887 | 14177 | 14467 | 14757 | 15046 | 15336 | 15626 | 15916 | | 20 |
| | 80 | 15916 | 16206 | 16496 | 16786 | 17075 | 17365 | 17655 | 17945 | 18234 | 18524 | 18814 | | 10 |
| | 90 | 8.37 18814 | 19103 | 19393 | 19683 | 19972 | 20262 | 20551 | 20841 | 21131 | 21420 | 21710 | **50** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $98^g\,50^c$ — log cos $98^g\,55^c$

## log tg $1^g\,45^c$ — log tg $1^g\,50^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | c | cc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **45** | **oo** | 8.35 75630 | 75929 | 76229 | 76529 | 76828 | 77128 | 77427 | 77727 | 78026 | 78326 | 78625 | | 90 |
| | 10 | 78625 | 78924 | 79224 | 79523 | 79822 | 80122 | 80421 | 80720 | 81020 | 81319 | 81618 | | 80 |
| | 20 | 81618 | 81917 | 82216 | 82516 | 82815 | 83114 | 83413 | 83712 | 84011 | 84310 | 84609 | | 70 |
| | 30 | 84609 | 84908 | 85207 | 85506 | 85805 | 86104 | 86403 | 86702 | 87000 | 87299 | 87598 | | 60 |
| | 40 | 87598 | 87897 | 88196 | 88494 | 88793 | 89092 | 89390 | 89689 | 89988 | 90286 | 90585 | | 50 |
| | 50 | 90585 | 90884 | 91182 | 91481 | 91779 | 92078 | 92376 | 92675 | 92973 | 93271 | 93570 | | 40 |
| | 60 | 93570 | 93868 | 94167 | 94465 | 94763 | 95061 | 95360 | 95658 | 95956 | 96254 | 96553 | | 30 |
| | 70 | 96553 | 96851 | 97149 | 97447 | 97745 | 98043 | 98341 | 98639 | 98937 | 99235 | 99533 | | 20 |
| | 80 | 8.35 99533 | 99831 | *00129 | *00427 | *00725 | *01023 | *01321 | *01619 | *01917 | *02214 | *02512 | | 10 |
| | 90 | 8.36 02512 | 02810 | 03108 | 03405 | 03703 | 04001 | 04298 | 04596 | 04894 | 05191 | 05489 | **54** | **oo** |
| **46** | **oo** | 8.36 05489 | 05786 | 06084 | 06381 | 06679 | 06976 | 07274 | 07571 | 07869 | 08166 | 08463 | | 90 |
| | 10 | 08463 | 08761 | 09058 | 09355 | 09653 | 09950 | 10247 | 10545 | 10842 | 11139 | 11436 | | 80 |
| | 20 | 11436 | 11733 | 12030 | 12327 | 12625 | 12922 | 13219 | 13516 | 13813 | 14110 | 14407 | | 70 |
| | 30 | 14407 | 14704 | 15001 | 15297 | 15594 | 15891 | 16188 | 16485 | 16782 | 17078 | 17375 | | 60 |
| | 40 | 17375 | 17672 | 17969 | 18265 | 18562 | 18859 | 19155 | 19452 | 19749 | 20045 | 20342 | | 50 |
| | 50 | 20342 | 20638 | 20935 | 21231 | 21528 | 21824 | 22121 | 22417 | 22713 | 23010 | 23306 | | 40 |
| | 60 | 23306 | 23603 | 23899 | 24195 | 24491 | 24788 | 25084 | 25380 | 25676 | 25973 | 26269 | | 30 |
| | 70 | 26269 | 26565 | 26861 | 27157 | 27453 | 27749 | 28045 | 28341 | 28637 | 28933 | 29229 | | 20 |
| | 80 | 29229 | 29525 | 29821 | 30117 | 30413 | 30709 | 31004 | 31300 | 31596 | 31892 | 32188 | | 10 |
| | 90 | 32188 | 32483 | 32779 | 33075 | 33370 | 33666 | 33962 | 34257 | 34553 | 34849 | 35144 | **53** | **oo** |
| **47** | **oo** | 8.36 35144 | 35440 | 35735 | 36031 | 36326 | 36622 | 36917 | 37212 | 37508 | 37803 | 38099 | | 90 |
| | 10 | 38099 | 38394 | 38689 | 38984 | 39280 | 39575 | 39870 | 40165 | 40461 | 40756 | 41051 | | 80 |
| | 20 | 41051 | 41346 | 41641 | 41936 | 42231 | 42526 | 42821 | 43116 | 43411 | 43706 | 44001 | | 70 |
| | 30 | 44001 | 44296 | 44591 | 44886 | 45181 | 45476 | 45771 | 46065 | 46360 | 46655 | 46950 | | 60 |
| | 40 | 46950 | 47244 | 47539 | 47834 | 48129 | 48423 | 48718 | 49012 | 49307 | 49602 | 49896 | | 50 |
| | 50 | 49896 | 50191 | 50485 | 50780 | 51074 | 51369 | 51663 | 51957 | 52252 | 52546 | 52841 | | 40 |
| | 60 | 52841 | 53135 | 53429 | 53724 | 54018 | 54312 | 54606 | 54901 | 55195 | 55489 | 55783 | | 30 |
| | 70 | 55783 | 56077 | 56371 | 56665 | 56959 | 57254 | 57548 | 57842 | 58136 | 58430 | 58723 | | 20 |
| | 80 | 58723 | 59017 | 59311 | 59605 | 59899 | 60193 | 60487 | 60781 | 61074 | 61368 | 61662 | | 10 |
| | 90 | 61662 | 61956 | 62249 | 62543 | 62837 | 63130 | 63424 | 63718 | 64011 | 64305 | 64598 | **52** | **oo** |
| **48** | **oo** | 8.36 64598 | 64892 | 65185 | 65479 | 65772 | 66066 | 66359 | 66653 | 66946 | 67240 | 67533 | | 90 |
| | 10 | 67533 | 67826 | 68120 | 68413 | 68706 | 68999 | 69293 | 69586 | 69879 | 70172 | 70465 | | 80 |
| | 20 | 70465 | 70759 | 71052 | 71345 | 71638 | 71931 | 72224 | 72517 | 72810 | 73103 | 73396 | | 70 |
| | 30 | 73396 | 73689 | 73982 | 74275 | 74568 | 74860 | 75153 | 75446 | 75739 | 76032 | 76325 | | 60 |
| | 40 | 76325 | 76617 | 76910 | 77203 | 77495 | 77788 | 78081 | 78373 | 78666 | 78959 | 79251 | | 50 |
| | 50 | 79251 | 79544 | 79836 | 80129 | 80421 | 80714 | 81006 | 81299 | 81591 | 81883 | 82176 | | 40 |
| | 60 | 82176 | 82468 | 82760 | 83053 | 83345 | 83637 | 83930 | 84222 | 84514 | 84806 | 85098 | | 30 |
| | 70 | 85098 | 85391 | 85683 | 85975 | 86267 | 86559 | 86851 | 87143 | 87435 | 87727 | 88019 | | 20 |
| | 80 | 88019 | 88311 | 88603 | 88895 | 89187 | 89479 | 89771 | 90062 | 90354 | 90646 | 90938 | | 10 |
| | 90 | 90938 | 91230 | 91521 | 91813 | 92105 | 92396 | 92688 | 92980 | 93271 | 93563 | 93855 | **51** | **oo** |
| **49** | **oo** | 8.36 93855 | 94146 | 94438 | 94729 | 95021 | 95312 | 95604 | 95895 | 96187 | 96478 | 96769 | | 90 |
| | 10 | 96769 | 97061 | 97352 | 97643 | 97935 | 98226 | 98517 | 98809 | 99100 | 99391 | 99682 | | 80 |
| | 20 | 8.36 99682 | 99973 | *00265 | *00556 | *00847 | *01138 | *01429 | *01720 | *02011 | *02302 | *02593 | | 70 |
| | 30 | 8.37 02593 | 02884 | 03175 | 03466 | 03757 | 04048 | 04339 | 04630 | 04920 | 05211 | 05502 | | 60 |
| | 40 | 05502 | 05793 | 06084 | 06374 | 06665 | 06956 | 07247 | 07537 | 07828 | 08119 | 08409 | | 50 |
| | 50 | 08409 | 08700 | 08990 | 09281 | 09571 | 09862 | 10152 | 10443 | 10733 | 11024 | 11314 | | 40 |
| | 60 | 11314 | 11605 | 11895 | 12185 | 12476 | 12766 | 13056 | 13347 | 13637 | 13927 | 14217 | | 30 |
| | 70 | 14217 | 14508 | 14798 | 15088 | 15378 | 15668 | 15958 | 16248 | 16538 | 16829 | 17119 | | 20 |
| | 80 | 17119 | 17409 | 17699 | 17989 | 18278 | 18568 | 18858 | 19148 | 19438 | 19728 | 20018 | | 10 |
| | 90 | 8.37 20018 | 20308 | 20597 | 20887 | 21177 | 21467 | 21756 | 22046 | 22336 | 22626 | 22915 | **50** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $98^g\,50^c$ — log ctg $98^g\,55^c$

## log sin $1^g\,50^c$ — log sin $1^g\,55^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **50** | **00** | 8.37 21710 | 21999 | 22288 | 22578 | 22867 | 23157 | 23446 | 23735 | 24025 | 24314 | 24603 | | 90 |
| | 10 | 24603 | 24893 | 25182 | 25471 | 25760 | 26049 | 26339 | 26628 | 26917 | 27206 | 27495 | | 80 |
| | 20 | 27495 | 27784 | 28073 | 28362 | 28651 | 28940 | 29229 | 29518 | 29807 | 30096 | 30385 | | 70 |
| | 30 | 30385 | 30674 | 30963 | 31252 | 31541 | 31829 | 32118 | 32407 | 32696 | 32984 | 33273 | | 60 |
| | 40 | 33273 | 33562 | 33851 | 34139 | 34428 | 34716 | 35005 | 35294 | 35582 | 35871 | 36159 | | 50 |
| | 50 | 36159 | 36448 | 36736 | 37025 | 37313 | 37602 | 37890 | 38178 | 38467 | 38755 | 39043 | | 40 |
| | 60 | 39043 | 39332 | 39620 | 39908 | 40197 | 40485 | 40773 | 41061 | 41349 | 41638 | 41926 | | 30 |
| | 70 | 41926 | 42214 | 42502 | 42790 | 43078 | 43366 | 43654 | 43942 | 44230 | 44518 | 44806 | | 20 |
| | 80 | 44806 | 45094 | 45382 | 45670 | 45958 | 46245 | 46533 | 46821 | 47109 | 47397 | 47684 | | 10 |
| | 90 | 47684 | 47972 | 48260 | 48548 | 48835 | 49123 | 49411 | 49698 | 49986 | 50273 | 50561 | **49** | **00** |
| **51** | **00** | 8.37 50561 | 50849 | 51136 | 51424 | 51711 | 51999 | 52286 | 52573 | 52861 | 53148 | 53436 | | 90 |
| | 10 | 53436 | 53723 | 54010 | 54298 | 54585 | 54872 | 55160 | 55447 | 55734 | 56021 | 56308 | | 80 |
| | 20 | 56308 | 56596 | 56883 | 57170 | 57457 | 57744 | 58031 | 58318 | 58605 | 58892 | 59179 | | 70 |
| | 30 | 59179 | 59466 | 59753 | 60040 | 60327 | 60614 | 60901 | 61188 | 61475 | 61761 | 62048 | | 60 |
| | 40 | 62048 | 62335 | 62622 | 62908 | 63195 | 63482 | 63769 | 64055 | 64342 | 64629 | 64915 | | 50 |
| | 50 | 64915 | 65202 | 65488 | 65775 | 66061 | 66348 | 66634 | 66921 | 67207 | 67494 | 67780 | | 40 |
| | 60 | 67780 | 68067 | 68353 | 68639 | 68926 | 69212 | 69498 | 69785 | 70071 | 70357 | 70644 | | 30 |
| | 70 | 70644 | 70930 | 71216 | 71502 | 71788 | 72074 | 72361 | 72647 | 72933 | 73219 | 73505 | | 20 |
| | 80 | 73505 | 73791 | 74077 | 74363 | 74649 | 74935 | 75221 | 75507 | 75793 | 76079 | 76364 | | 10 |
| | 90 | 76364 | 76650 | 76936 | 77222 | 77508 | 77793 | 78079 | 78365 | 78651 | 78936 | 79222 | **48** | **00** |
| **52** | **00** | 8.37 79222 | 79508 | 79793 | 80079 | 80365 | 80650 | 80936 | 81221 | 81507 | 81792 | 82078 | | 90 |
| | 10 | 82078 | 82363 | 82649 | 82934 | 83219 | 83505 | 83790 | 84076 | 84361 | 84646 | 84932 | | 80 |
| | 20 | 84932 | 85217 | 85502 | 85787 | 86073 | 86358 | 86643 | 86928 | 87213 | 87498 | 87784 | | 70 |
| | 30 | 87784 | 88069 | 88354 | 88639 | 88924 | 89209 | 89494 | 89779 | 90064 | 90349 | 90634 | | 60 |
| | 40 | 90634 | 90919 | 91203 | 91488 | 91773 | 92058 | 92343 | 92628 | 92912 | 93197 | 93482 | | 50 |
| | 50 | 93482 | 93767 | 94051 | 94336 | 94621 | 94905 | 95190 | 95474 | 95759 | 96044 | 96328 | | 40 |
| | 60 | 96328 | 96613 | 96897 | 97182 | 97466 | 97751 | 98035 | 98320 | 98604 | 98888 | 99173 | | 30 |
| | 70 | 8.37 99173 | 99457 | 99741 | *00026 | *00310 | *00594 | *00878 | *01163 | *01447 | *01731 | *02015 | | 20 |
| | 80 | 8.38 02015 | 02299 | 02584 | 02868 | 03152 | 03436 | 03720 | 04004 | 04288 | 04572 | 04856 | | 10 |
| | 90 | 04856 | 05140 | 05424 | 05708 | 05992 | 06276 | 06560 | 06844 | 07127 | 07411 | 07695 | **47** | **00** |
| **53** | **00** | 8.38 07695 | 07979 | 08263 | 08546 | 08830 | 09114 | 09397 | 09681 | 09965 | 10248 | 10532 | | 90 |
| | 10 | 10532 | 10816 | 11099 | 11383 | 11666 | 11950 | 12233 | 12517 | 12800 | 13084 | 13367 | | 80 |
| | 20 | 13367 | 13651 | 13934 | 14217 | 14501 | 14784 | 15067 | 15351 | 15634 | 15917 | 16201 | | 70 |
| | 30 | 16201 | 16484 | 16767 | 17050 | 17333 | 17617 | 17900 | 18183 | 18466 | 18749 | 19032 | | 60 |
| | 40 | 19032 | 19315 | 19598 | 19881 | 20164 | 20447 | 20730 | 21013 | 21296 | 21579 | 21862 | | 50 |
| | 50 | 21862 | 22145 | 22427 | 22710 | 22993 | 23276 | 23559 | 23841 | 24124 | 24407 | 24690 | | 40 |
| | 60 | 24690 | 24972 | 25255 | 25538 | 25820 | 26103 | 26385 | 26668 | 26950 | 27233 | 27516 | | 30 |
| | 70 | 27516 | 27798 | 28080 | 28363 | 28645 | 28928 | 29210 | 29493 | 29775 | 30057 | 30340 | | 20 |
| | 80 | 30340 | 30622 | 30904 | 31187 | 31469 | 31751 | 32033 | 32315 | 32598 | 32880 | 33162 | | 10 |
| | 90 | 33162 | 33444 | 33726 | 34008 | 34290 | 34572 | 34854 | 35136 | 35418 | 35700 | 35982 | **46** | **00** |
| **54** | **00** | 8.38 35982 | 36264 | 36546 | 36828 | 37110 | 37392 | 37674 | 37956 | 38237 | 38519 | 38801 | | 90 |
| | 10 | 38801 | 39083 | 39365 | 39646 | 39928 | 40210 | 40491 | 40773 | 41055 | 41336 | 41618 | | 80 |
| | 20 | 41618 | 41899 | 42181 | 42463 | 42744 | 43026 | 43307 | 43589 | 43870 | 44151 | 44433 | | 70 |
| | 30 | 44433 | 44714 | 44996 | 45277 | 45558 | 45840 | 46121 | 46402 | 46683 | 46965 | 47246 | | 60 |
| | 40 | 47246 | 47527 | 47808 | 48090 | 48371 | 48652 | 48933 | 49214 | 49495 | 49776 | 50057 | | 50 |
| | 50 | 50057 | 50338 | 50619 | 50900 | 51181 | 51462 | 51743 | 52024 | 52305 | 52586 | 52867 | | 40 |
| | 60 | 52867 | 53148 | 53428 | 53709 | 53990 | 54271 | 54552 | 54832 | 55113 | 55394 | 55674 | | 30 |
| | 70 | 55674 | 55955 | 56236 | 56516 | 56797 | 57078 | 57358 | 57639 | 57919 | 58200 | 58480 | | 20 |
| | 80 | 58480 | 58761 | 59041 | 59322 | 59602 | 59883 | 60163 | 60443 | 60724 | 61004 | 61284 | | 10 |
| | 90 | 8.38 61284 | 61565 | 61845 | 62125 | 62406 | 62686 | 62966 | 63246 | 63526 | 63807 | 64087 | **45** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $98^g\,45^c$ — log cos $98^g\,50^c$

## log tg $1^g\,50^c$ — log tg $1^g\,55^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **50** | **oo** | 8.37 22915 | 23205 | 23494 | 23784 | 24074 | 24363 | 24653 | 24942 | 25232 | 25521 | 25811 | | 90 |
| | 10 | 25811 | 26100 | 26389 | 26679 | 26968 | 27258 | 27547 | 27836 | 28125 | 28415 | 28704 | | 80 |
| | 20 | 28704 | 28993 | 29282 | 29572 | 29861 | 30150 | 30439 | 30728 | 31017 | 31307 | 31596 | | 70 |
| | 30 | 31596 | 31885 | 32174 | 32463 | 32752 | 33041 | 33330 | 33619 | 33907 | 34196 | 34485 | | 60 |
| | 40 | 34485 | 34774 | 35063 | 35352 | 35641 | 35929 | 36218 | 36507 | 36796 | 37084 | 37373 | | 50 |
| | 50 | 37373 | 37662 | 37950 | 38239 | 38527 | 38816 | 39105 | 39393 | 39682 | 39970 | 40259 | | 40 |
| | 60 | 40259 | 40547 | 40836 | 41124 | 41413 | 41701 | 41989 | 42278 | 42566 | 42854 | 43143 | | 30 |
| | 70 | 43143 | 43431 | 43719 | 44007 | 44296 | 44584 | 44872 | 45160 | 45448 | 45736 | 46025 | | 20 |
| | 80 | 46025 | 46313 | 46601 | 46889 | 47177 | 47465 | 47753 | 48041 | 48329 | 48617 | 48905 | | 10 |
| | 90 | 48905 | 49193 | 49480 | 49768 | 50056 | 50344 | 50632 | 50920 | 51207 | 51495 | 51783 | **49** | **oo** |
| **51** | **oo** | 8.37 51783 | 52070 | 52358 | 52646 | 52934 | 53221 | 53509 | 53796 | 54084 | 54371 | 54659 | | 90 |
| | 10 | 54659 | 54947 | 55234 | 55522 | 55809 | 56096 | 56384 | 56671 | 56959 | 57246 | 57533 | | 80 |
| | 20 | 57533 | 57821 | 58108 | 58395 | 58683 | 58970 | 59257 | 59544 | 59831 | 60119 | 60406 | | 70 |
| | 30 | 60406 | 60693 | 60980 | 61267 | 61554 | 61841 | 62128 | 62415 | 62702 | 62989 | 63276 | | 60 |
| | 40 | 63276 | 63563 | 63850 | 64137 | 64424 | 64711 | 64998 | 65285 | 65571 | 65858 | 66145 | | 50 |
| | 50 | 66145 | 66432 | 66719 | 67005 | 67292 | 67579 | 67865 | 68152 | 68439 | 68725 | 69012 | | 40 |
| | 60 | 69012 | 69298 | 69585 | 69871 | 70158 | 70444 | 70731 | 71017 | 71304 | 71590 | 71877 | | 30 |
| | 70 | 71877 | 72163 | 72449 | 72736 | 73022 | 73308 | 73595 | 73881 | 74167 | 74453 | 74740 | | 20 |
| | 80 | 74740 | 75026 | 75312 | 75598 | 75884 | 76170 | 76457 | 76743 | 77029 | 77315 | 77601 | | 10 |
| | 90 | 77601 | 77887 | 78173 | 78459 | 78745 | 79031 | 79317 | 79602 | 79888 | 80174 | 80460 | **48** | **oo** |
| **52** | **oo** | 8.37 80460 | 80746 | 81032 | 81317 | 81603 | 81889 | 82175 | 82460 | 82746 | 83032 | 83317 | | 90 |
| | 10 | 83317 | 83603 | 83889 | 84174 | 84460 | 84745 | 85031 | 85316 | 85602 | 85887 | 86173 | | 80 |
| | 20 | 86173 | 86458 | 86744 | 87029 | 87315 | 87600 | 87885 | 88171 | 88456 | 88741 | 89026 | | 70 |
| | 30 | 89026 | 89312 | 89597 | 89882 | 90167 | 90453 | 90738 | 91023 | 91308 | 91593 | 91878 | | 60 |
| | 40 | 91878 | 92163 | 92448 | 92733 | 93018 | 93303 | 93588 | 93873 | 94158 | 94443 | 94728 | | 50 |
| | 50 | 94728 | 95013 | 95298 | 95583 | 95867 | 96152 | 96437 | 96722 | 97007 | 97291 | 97576 | | 40 |
| | 60 | 8.37 97576 | 97861 | 98145 | 98430 | 98715 | 98999 | 99284 | 99568 | 99853 | *00138 | *00422 | | 30 |
| | 70 | 8.38 00422 | 00707 | 00991 | 01276 | 01560 | 01844 | 02129 | 02413 | 02698 | 02982 | 03266 | | 20 |
| | 80 | 03266 | 03551 | 03835 | 04119 | 04404 | 04688 | 04972 | 05256 | 05540 | 05825 | 06109 | | 10 |
| | 90 | 06109 | 06393 | 06677 | 06961 | 07245 | 07529 | 07813 | 08097 | 08381 | 08665 | 08949 | **47** | **oo** |
| **53** | **oo** | 8.38 08949 | 09233 | 09517 | 09801 | 10085 | 10369 | 10653 | 10937 | 11220 | 11504 | 11788 | | 90 |
| | 10 | 11788 | 12072 | 12356 | 12639 | 12923 | 13207 | 13490 | 13774 | 14058 | 14341 | 14625 | | 80 |
| | 20 | 14625 | 14908 | 15192 | 15476 | 15759 | 16043 | 16326 | 16610 | 16893 | 17176 | 17460 | | 70 |
| | 30 | 17460 | 17743 | 18027 | 18310 | 18593 | 18877 | 19160 | 19443 | 19727 | 20010 | 20293 | | 60 |
| | 40 | 20293 | 20576 | 20859 | 21143 | 21426 | 21709 | 21992 | 22275 | 22558 | 22841 | 23124 | | 50 |
| | 50 | 23124 | 23407 | 23690 | 23973 | 24256 | 24539 | 24822 | 25105 | 25388 | 25671 | 25954 | | 40 |
| | 60 | 25954 | 26237 | 26519 | 26802 | 27085 | 27368 | 27651 | 27933 | 28216 | 28499 | 28781 | | 30 |
| | 70 | 28781 | 29064 | 29347 | 29629 | 29912 | 30195 | 30477 | 30760 | 31042 | 31325 | 31607 | | 20 |
| | 80 | 31607 | 31890 | 32172 | 32455 | 32737 | 33019 | 33302 | 33584 | 33866 | 34149 | 34431 | | 10 |
| | 90 | 34431 | 34713 | 34996 | 35278 | 35560 | 35842 | 36125 | 36407 | 36689 | 36971 | 37253 | **46** | **oo** |
| **54** | **oo** | 8.38 37253 | 37535 | 37817 | 38099 | 38382 | 38664 | 38946 | 39228 | 39510 | 39792 | 40073 | | 90 |
| | 10 | 40073 | 40355 | 40637 | 40919 | 41201 | 41483 | 41765 | 42047 | 42328 | 42610 | 42892 | | 80 |
| | 20 | 42892 | 43174 | 43455 | 43737 | 44019 | 44300 | 44582 | 44864 | 45145 | 45427 | 45709 | | 70 |
| | 30 | 45709 | 45990 | 46272 | 46553 | 46835 | 47116 | 47398 | 47679 | 47961 | 48242 | 48523 | | 60 |
| | 40 | 48523 | 48805 | 49086 | 49367 | 49649 | 49930 | 50211 | 50493 | 50774 | 51055 | 51336 | | 50 |
| | 50 | 51336 | 51618 | 51899 | 52180 | 52461 | 52742 | 53023 | 53304 | 53585 | 53866 | 54148 | | 40 |
| | 60 | 54148 | 54429 | 54710 | 54991 | 55271 | 55552 | 55833 | 56114 | 56395 | 56676 | 56957 | | 30 |
| | 70 | 56957 | 57238 | 57519 | 57799 | 58080 | 58361 | 58642 | 58922 | 59203 | 59484 | 59764 | | 20 |
| | 80 | 59764 | 60045 | 60326 | 60606 | 60887 | 61167 | 61448 | 61729 | 62009 | 62290 | 62570 | | 10 |
| | 90 | 8.38 62570 | 62851 | 63131 | 63411 | 63692 | 63972 | 64253 | 64533 | 64813 | 65094 | 65374 | **45** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $98^g\,45^c$ — log ctg $98^g\,50^c$

## log sin $1^g\,55^c$ — log sin $1^g\,60^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **55** | **00** | 8.38 64087 | 64367 | 64647 | 64927 | 65207 | 65487 | 65767 | 66047 | 66327 | 66607 | 66887 | | 90 |
| | 10 | 66887 | 67167 | 67447 | 67727 | 68007 | 68287 | 68567 | 68846 | 69126 | 69406 | 69686 | | 80 |
| | 20 | 69686 | 69966 | 70245 | 70525 | 70805 | 71084 | 71364 | 71644 | 71923 | 72203 | 72483 | | 70 |
| | 30 | 72483 | 72762 | 73042 | 73321 | 73601 | 73880 | 74160 | 74439 | 74719 | 74998 | 75278 | | 60 |
| | 40 | 75278 | 75557 | 75836 | 76116 | 76395 | 76674 | 76954 | 77233 | 77512 | 77792 | 78071 | | 50 |
| | 50 | 78071 | 78350 | 78629 | 78908 | 79188 | 79467 | 79746 | 80025 | 80304 | 80583 | 80862 | | 40 |
| | 60 | 80862 | 81141 | 81420 | 81699 | 81978 | 82257 | 82536 | 82815 | 83094 | 83373 | 83652 | | 30 |
| | 70 | 83652 | 83931 | 84210 | 84488 | 84767 | 85046 | 85325 | 85604 | 85882 | 86161 | 86440 | | 20 |
| | 80 | 86440 | 86718 | 86997 | 87276 | 87554 | 87833 | 88112 | 88390 | 88669 | 88947 | 89226 | | 10 |
| | 90 | 89226 | 89504 | 89783 | 90061 | 90340 | 90618 | 90897 | 91175 | 91453 | 91732 | 92010 | **44** | **00** |
| **56** | **00** | 8.38 92010 | 92288 | 92567 | 92845 | 93123 | 93402 | 93680 | 93958 | 94236 | 94514 | 94793 | | 90 |
| | 10 | 94793 | 95071 | 95349 | 95627 | 95905 | 96183 | 96461 | 96739 | 97017 | 97295 | 97573 | | 80 |
| | 20 | 8.38 97573 | 97851 | 98129 | 98407 | 98685 | 98963 | 99241 | 99519 | 99797 | *00074 | *00352 | | 70 |
| | 30 | 8.39 00352 | 00630 | 00908 | 01186 | 01463 | 01741 | 02019 | 02296 | 02574 | 02852 | 03129 | | 60 |
| | 40 | 03129 | 03407 | 03685 | 03962 | 04240 | 04517 | 04795 | 05072 | 05350 | 05627 | 05905 | | 50 |
| | 50 | 05905 | 06182 | 06460 | 06737 | 07014 | 07292 | 07569 | 07846 | 08124 | 08401 | 08678 | | 40 |
| | 60 | 08678 | 08956 | 09233 | 09510 | 09787 | 10064 | 10342 | 10619 | 10896 | 11173 | 11450 | | 30 |
| | 70 | 11450 | 11727 | 12004 | 12281 | 12558 | 12835 | 13112 | 13389 | 13666 | 13943 | 14220 | | 20 |
| | 80 | 14220 | 14497 | 14774 | 15051 | 15328 | 15605 | 15881 | 16158 | 16435 | 16712 | 16989 | | 10 |
| | 90 | 16989 | 17265 | 17542 | 17819 | 18095 | 18372 | 18649 | 18925 | 19202 | 19478 | 19755 | **43** | **00** |
| **57** | **00** | 8.39 19755 | 20032 | 20308 | 20585 | 20861 | 21138 | 21414 | 21691 | 21967 | 22243 | 22520 | | 90 |
| | 10 | 22520 | 22796 | 23073 | 23349 | 23625 | 23902 | 24178 | 24454 | 24730 | 25007 | 25283 | | 80 |
| | 20 | 25283 | 25559 | 25835 | 26111 | 26388 | 26664 | 26940 | 27216 | 27492 | 27768 | 28044 | | 70 |
| | 30 | 28044 | 28320 | 28596 | 28872 | 29148 | 29424 | 29700 | 29976 | 30252 | 30528 | 30804 | | 60 |
| | 40 | 30804 | 31079 | 31355 | 31631 | 31907 | 32183 | 32458 | 32734 | 33010 | 33286 | 33561 | | 50 |
| | 50 | 33561 | 33837 | 34113 | 34388 | 34664 | 34940 | 35215 | 35491 | 35766 | 36042 | 36317 | | 40 |
| | 60 | 36317 | 36593 | 36868 | 37144 | 37419 | 37695 | 37970 | 38245 | 38521 | 38796 | 39072 | | 30 |
| | 70 | 39072 | 39347 | 39622 | 39897 | 40173 | 40448 | 40723 | 40998 | 41274 | 41549 | 41824 | | 20 |
| | 80 | 41824 | 42099 | 42374 | 42649 | 42925 | 43200 | 43475 | 43750 | 44025 | 44300 | 44575 | | 10 |
| | 90 | 44575 | 44850 | 45125 | 45400 | 45675 | 45949 | 46224 | 46499 | 46774 | 47049 | 47324 | **42** | **00** |
| **58** | **00** | 8.39 47324 | 47599 | 47873 | 48148 | 48423 | 48698 | 48972 | 49247 | 49522 | 49796 | 50071 | | 90 |
| | 10 | 50071 | 50346 | 50620 | 50895 | 51169 | 51444 | 51719 | 51993 | 52268 | 52542 | 52817 | | 80 |
| | 20 | 52817 | 53091 | 53365 | 53640 | 53914 | 54189 | 54463 | 54737 | 55012 | 55286 | 55560 | | 70 |
| | 30 | 55560 | 55835 | 56109 | 56383 | 56657 | 56932 | 57206 | 57480 | 57754 | 58028 | 58302 | | 60 |
| | 40 | 58302 | 58577 | 58851 | 59125 | 59399 | 59673 | 59947 | 60221 | 60495 | 60769 | 61043 | | 50 |
| | 50 | 61043 | 61317 | 61591 | 61865 | 62138 | 62412 | 62686 | 62960 | 63234 | 63508 | 63781 | | 40 |
| | 60 | 63781 | 64055 | 64329 | 64603 | 64876 | 65150 | 65424 | 65697 | 65971 | 66245 | 66518 | | 30 |
| | 70 | 66518 | 66792 | 67065 | 67339 | 67612 | 67886 | 68160 | 68433 | 68706 | 68980 | 69253 | | 20 |
| | 80 | 69253 | 69527 | 69800 | 70074 | 70347 | 70620 | 70894 | 71167 | 71440 | 71714 | 71987 | | 10 |
| | 90 | 71987 | 72260 | 72533 | 72806 | 73080 | 73353 | 73626 | 73899 | 74172 | 74445 | 74718 | **41** | **00** |
| **59** | **00** | 8.39 74718 | 74992 | 75265 | 75538 | 75811 | 76084 | 76357 | 76630 | 76903 | 77176 | 77448 | | 90 |
| | 10 | 77448 | 77721 | 77994 | 78267 | 78540 | 78813 | 79086 | 79358 | 79631 | 79904 | 80177 | | 80 |
| | 20 | 80177 | 80449 | 80722 | 80995 | 81268 | 81540 | 81813 | 82086 | 82358 | 82631 | 82903 | | 70 |
| | 30 | 82903 | 83176 | 83448 | 83721 | 83993 | 84266 | 84538 | 84811 | 85083 | 85356 | 85628 | | 60 |
| | 40 | 85628 | 85901 | 86173 | 86445 | 86718 | 86990 | 87262 | 87535 | 87807 | 88079 | 88351 | | 50 |
| | 50 | 88351 | 88624 | 88896 | 89168 | 89440 | 89712 | 89984 | 90256 | 90529 | 90801 | 91073 | | 40 |
| | 60 | 91073 | 91345 | 91617 | 91889 | 92161 | 92433 | 92705 | 92977 | 93249 | 93521 | 93792 | | 30 |
| | 70 | 93792 | 94064 | 94336 | 94608 | 94880 | 95152 | 95423 | 95695 | 95967 | 96239 | 96510 | | 20 |
| | 80 | 96510 | 96782 | 97054 | 97326 | 97597 | 97869 | 98140 | 98412 | 98684 | 98955 | 99227 | | 10 |
| | 90 | 8.39 99227 | 99498 | 99770 | *00041 | *00313 | *00584 | *00856 | *01127 | *01399 | *01670 | *01941 | **40** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $98^g\,40^c$ — log cos $98^g\,45^c$

## log tg $1^g\,55^c$ — log tg $1^g\,60^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | c | cc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **55** | **oo** | 8.38 65374 | 65654 | 65935 | 66215 | 66495 | 66775 | 67056 | 67336 | 67616 | 67896 | 68176 | | 90 |
| | 10 | 68176 | 68456 | 68736 | 69016 | 69296 | 69577 | 69857 | 70137 | 70417 | 70696 | 70976 | | 80 |
| | 20 | 70976 | 71256 | 71536 | 71816 | 72096 | 72376 | 72656 | 72936 | 73215 | 73495 | 73775 | | 70 |
| | 30 | 73775 | 74055 | 74334 | 74614 | 74894 | 75174 | 75453 | 75733 | 76012 | 76292 | 76572 | | 60 |
| | 40 | 76572 | 76851 | 77131 | 77410 | 77690 | 77969 | 78249 | 78528 | 78808 | 79087 | 79367 | | 50 |
| | 50 | 79367 | 79646 | 79925 | 80205 | 80484 | 80763 | 81043 | 81322 | 81601 | 81880 | 82160 | | 40 |
| | 60 | 82160 | 82439 | 82718 | 82997 | 83276 | 83556 | 83835 | 84114 | 84393 | 84672 | 84951 | | 30 |
| | 70 | 84951 | 85230 | 85509 | 85788 | 86067 | 86346 | 86625 | 86904 | 87183 | 87462 | 87740 | | 20 |
| | 80 | 87740 | 88019 | 88298 | 88577 | 88856 | 89135 | 89413 | 89692 | 89971 | 90250 | 90528 | | 10 |
| | 90 | 90528 | 90807 | 91086 | 91364 | 91643 | 91921 | 92200 | 92479 | 92757 | 93036 | 93314 | **44** | **oo** |
| **56** | **oo** | 8.38 93314 | 93593 | 93871 | 94150 | 94428 | 94706 | 94985 | 95263 | 95542 | 95820 | 96098 | | 90 |
| | 10 | 96098 | 96377 | 96655 | 96933 | 97211 | 97490 | 97768 | 98046 | 98324 | 98603 | 98881 | | 80 |
| | 20 | 8.38 98881 | 99159 | 99437 | 99715 | 99993 | *00271 | *00549 | *00827 | *01105 | *01383 | *01661 | | 70 |
| | 30 | 8.39 01661 | 01939 | 02217 | 02495 | 02773 | 03051 | 03329 | 03607 | 03884 | 04162 | 04440 | | 60 |
| | 40 | 04440 | 04718 | 04996 | 05273 | 05551 | 05829 | 06107 | 06384 | 06662 | 06940 | 07217 | | 50 |
| | 50 | 07217 | 07495 | 07772 | 08050 | 08327 | 08605 | 08883 | 09160 | 09438 | 09715 | 09992 | | 40 |
| | 60 | 09992 | 10270 | 10547 | 10825 | 11102 | 11379 | 11657 | 11934 | 12211 | 12489 | 12766 | | 30 |
| | 70 | 12766 | 13043 | 13320 | 13598 | 13875 | 14152 | 14429 | 14706 | 14983 | 15261 | 15538 | | 20 |
| | 80 | 15538 | 15815 | 16092 | 16369 | 16646 | 16923 | 17200 | 17477 | 17754 | 18031 | 18308 | | 10 |
| | 90 | 18308 | 18585 | 18861 | 19138 | 19415 | 19692 | 19969 | 20246 | 20522 | 20799 | 21076 | **43** | **oo** |
| **57** | **oo** | 8.39 21076 | 21353 | 21629 | 21906 | 22183 | 22459 | 22736 | 23013 | 23289 | 23566 | 23842 | | 90 |
| | 10 | 23842 | 24119 | 24395 | 24672 | 24948 | 25225 | 25501 | 25778 | 26054 | 26331 | 26607 | | 80 |
| | 20 | 26607 | 26883 | 27160 | 27436 | 27712 | 27989 | 28265 | 28541 | 28817 | 29094 | 29370 | | 70 |
| | 30 | 29370 | 29646 | 29922 | 30198 | 30475 | 30751 | 31027 | 31303 | 31579 | 31855 | 32131 | | 60 |
| | 40 | 32131 | 32407 | 32683 | 32959 | 33235 | 33511 | 33787 | 34063 | 34339 | 34615 | 34891 | | 50 |
| | 50 | 34891 | 35166 | 35442 | 35718 | 35994 | 36270 | 36545 | 36821 | 37097 | 37373 | 37648 | | 40 |
| | 60 | 37648 | 37924 | 38200 | 38475 | 38751 | 39026 | 39302 | 39578 | 39853 | 40129 | 40404 | | 30 |
| | 70 | 40404 | 40680 | 40955 | 41231 | 41506 | 41781 | 42057 | 42332 | 42608 | 42883 | 43158 | | 20 |
| | 80 | 43158 | 43434 | 43709 | 43984 | 44260 | 44535 | 44810 | 45085 | 45360 | 45636 | 45911 | | 10 |
| | 90 | 45911 | 46186 | 46461 | 46736 | 47011 | 47286 | 47561 | 47836 | 48111 | 48386 | 48661 | **42** | **oo** |
| **58** | **oo** | 8.39 48661 | 48936 | 49211 | 49486 | 49761 | 50036 | 50311 | 50586 | 50861 | 51136 | 51410 | | 90 |
| | 10 | 51410 | 51685 | 51960 | 52235 | 52510 | 52784 | 53059 | 53334 | 53608 | 53883 | 54158 | | 80 |
| | 20 | 54158 | 54432 | 54707 | 54981 | 55256 | 55531 | 55805 | 56080 | 56354 | 56629 | 56903 | | 70 |
| | 30 | 56903 | 57178 | 57452 | 57726 | 58001 | 58275 | 58550 | 58824 | 59098 | 59373 | 59647 | | 60 |
| | 40 | 59647 | 59921 | 60195 | 60470 | 60744 | 61018 | 61292 | 61566 | 61841 | 62115 | 62389 | | 50 |
| | 50 | 62389 | 62663 | 62937 | 63211 | 63485 | 63759 | 64033 | 64307 | 64581 | 64855 | 65129 | | 40 |
| | 60 | 65129 | 65403 | 65677 | 65951 | 66225 | 66499 | 66773 | 67046 | 67320 | 67594 | 67868 | | 30 |
| | 70 | 67868 | 68142 | 68415 | 68689 | 68963 | 69236 | 69510 | 69784 | 70057 | 70331 | 70605 | | 20 |
| | 80 | 70605 | 70878 | 71152 | 71425 | 71699 | 71972 | 72246 | 72519 | 72793 | 73066 | 73340 | | 10 |
| | 90 | 73340 | 73613 | 73887 | 74160 | 74433 | 74707 | 74980 | 75253 | 75527 | 75800 | 76073 | **41** | **oo** |
| **59** | **oo** | 8.39 76073 | 76346 | 76620 | 76893 | 77166 | 77439 | 77712 | 77986 | 78259 | 78532 | 78805 | | 90 |
| | 10 | 78805 | 79078 | 79351 | 79624 | 79897 | 80170 | 80443 | 80716 | 80989 | 81262 | 81535 | | 80 |
| | 20 | 81535 | 81808 | 82081 | 82353 | 82626 | 82899 | 83172 | 83445 | 83718 | 83990 | 84263 | | 70 |
| | 30 | 84263 | 84536 | 84809 | 85081 | 85354 | 85627 | 85899 | 86172 | 86444 | 86717 | 86990 | | 60 |
| | 40 | 86990 | 87262 | 87535 | 87807 | 88080 | 88352 | 88625 | 88897 | 89170 | 89442 | 89714 | | 50 |
| | 50 | 89714 | 89987 | 90259 | 90532 | 90804 | 91076 | 91349 | 91621 | 91893 | 92165 | 92438 | | 40 |
| | 60 | 92438 | 92710 | 92982 | 93254 | 93526 | 93799 | 94071 | 94343 | 94615 | 94887 | 95159 | | 30 |
| | 70 | 95159 | 95431 | 95703 | 95975 | 96247 | 96519 | 96791 | 97063 | 97335 | 97607 | 97879 | | 20 |
| | 80 | 8.39 97879 | 98151 | 98423 | 98694 | 98966 | 99238 | 99510 | 99782 | *00053 | *00325 | *00597 | | 10 |
| | 90 | 8.40 00597 | 00869 | 01140 | 01412 | 01684 | 01955 | 02227 | 02498 | 02770 | 03042 | 03313 | **40** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $98^g\,40^c$ — log ctg $98^g\,45^c$

## log sin $1^g\,60^c$ — log sin $1^g\,65^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **60** | **oo** | 8.40 01941 | 02213 | 02484 | 02755 | 03027 | 03298 | 03569 | 03841 | 04112 | 04383 | 04654 | 90 |
| | 10 | 04654 | 04926 | 05197 | 05468 | 05739 | 06010 | 06281 | 06552 | 06823 | 07094 | 07366 | 80 |
| | 20 | 07366 | 07637 | 07908 | 08179 | 08450 | 08721 | 08991 | 09262 | 09533 | 09804 | 10075 | 70 |
| | 30 | 10075 | 10346 | 10617 | 10888 | 11158 | 11429 | 11700 | 11971 | 12241 | 12512 | 12783 | 60 |
| | 40 | 12783 | 13054 | 13324 | 13595 | 13866 | 14136 | 14407 | 14677 | 14948 | 15219 | 15489 | 50 |
| | 50 | 15489 | 15760 | 16030 | 16301 | 16571 | 16842 | 17112 | 17382 | 17653 | 17923 | 18194 | 40 |
| | 60 | 18194 | 18464 | 18734 | 19005 | 19275 | 19545 | 19815 | 20086 | 20356 | 20626 | 20896 | 30 |
| | 70 | 20896 | 21166 | 21437 | 21707 | 21977 | 22247 | 22517 | 22787 | 23057 | 23327 | 23597 | 20 |
| | 80 | 23597 | 23867 | 24137 | 24407 | 24677 | 24947 | 25217 | 25487 | 25757 | 26027 | 26297 | 10 |
| | 90 | 26297 | 26567 | 26837 | 27106 | 27376 | 27646 | 27916 | 28185 | 28455 | 28725 | 28995 | **39 oo** |
| **61** | **oo** | 8.40 28995 | 29264 | 29534 | 29804 | 30073 | 30343 | 30612 | 30882 | 31152 | 31421 | 31691 | 90 |
| | 10 | 31691 | 31960 | 32230 | 32499 | 32769 | 33038 | 33307 | 33577 | 33846 | 34116 | 34385 | 80 |
| | 20 | 34385 | 34654 | 34924 | 35193 | 35462 | 35732 | 36001 | 36270 | 36539 | 36809 | 37078 | 70 |
| | 30 | 37078 | 37347 | 37616 | 37885 | 38154 | 38424 | 38693 | 38962 | 39231 | 39500 | 39769 | 60 |
| | 40 | 39769 | 40038 | 40307 | 40576 | 40845 | 41114 | 41383 | 41652 | 41920 | 42189 | 42458 | 50 |
| | 50 | 42458 | 42727 | 42996 | 43265 | 43533 | 43802 | 44071 | 44340 | 44609 | 44877 | 45146 | 40 |
| | 60 | 45146 | 45415 | 45683 | 45952 | 46221 | 46489 | 46758 | 47026 | 47295 | 47563 | 47832 | 30 |
| | 70 | 47832 | 48100 | 48369 | 48637 | 48906 | 49174 | 49443 | 49711 | 49980 | 50248 | 50516 | 20 |
| | 80 | 50516 | 50785 | 51053 | 51321 | 51590 | 51858 | 52126 | 52394 | 52663 | 52931 | 53199 | 10 |
| | 90 | 53199 | 53467 | 53735 | 54004 | 54272 | 54540 | 54808 | 55076 | 55344 | 55612 | 55880 | **38 oo** |
| **62** | **oo** | 8.40 55880 | 56148 | 56416 | 56684 | 56952 | 57220 | 57488 | 57756 | 58024 | 58292 | 58560 | 90 |
| | 10 | 58560 | 58827 | 59095 | 59363 | 59631 | 59899 | 60166 | 60434 | 60702 | 60970 | 61237 | 80 |
| | 20 | 61237 | 61505 | 61773 | 62040 | 62308 | 62576 | 62843 | 63111 | 63378 | 63646 | 63914 | 70 |
| | 30 | 63914 | 64181 | 64449 | 64716 | 64983 | 65251 | 65518 | 65786 | 66053 | 66321 | 66588 | 60 |
| | 40 | 66588 | 66855 | 67123 | 67390 | 67657 | 67925 | 68192 | 68459 | 68726 | 68994 | 69261 | 50 |
| | 50 | 69261 | 69528 | 69795 | 70062 | 70329 | 70597 | 70864 | 71131 | 71398 | 71665 | 71932 | 40 |
| | 60 | 71932 | 72199 | 72466 | 72733 | 73000 | 73267 | 73534 | 73801 | 74068 | 74335 | 74602 | 30 |
| | 70 | 74602 | 74868 | 75135 | 75402 | 75669 | 75936 | 76202 | 76469 | 76736 | 77003 | 77269 | 20 |
| | 80 | 77269 | 77536 | 77803 | 78069 | 78336 | 78603 | 78869 | 79136 | 79403 | 79669 | 79936 | 10 |
| | 90 | 79936 | 80202 | 80469 | 80735 | 81002 | 81268 | 81535 | 81801 | 82067 | 82334 | 82600 | **37 oo** |
| **63** | **oo** | 8.40 82600 | 82867 | 83133 | 83399 | 83666 | 83932 | 84198 | 84465 | 84731 | 84997 | 85263 | 90 |
| | 10 | 85263 | 85529 | 85796 | 86062 | 86328 | 86594 | 86860 | 87126 | 87392 | 87659 | 87925 | 80 |
| | 20 | 87925 | 88191 | 88457 | 88723 | 88989 | 89255 | 89521 | 89787 | 90053 | 90318 | 90584 | 70 |
| | 30 | 90584 | 90850 | 91116 | 91382 | 91648 | 91914 | 92179 | 92445 | 92711 | 92977 | 93242 | 60 |
| | 40 | 93242 | 93508 | 93774 | 94040 | 94305 | 94571 | 94837 | 95102 | 95368 | 95633 | 95899 | 50 |
| | 50 | 95899 | 96164 | 96430 | 96696 | 96961 | 97227 | 97492 | 97757 | 98023 | 98288 | 98554 | 40 |
| | 60 | 8.40 98554 | 98819 | 99085 | 99350 | 99615 | 99881 | *00146 | *00411 | *00676 | *00942 | *01207 | 30 |
| | 70 | 8.41 01207 | 01472 | 01737 | 02003 | 02268 | 02533 | 02798 | 03063 | 03328 | 03593 | 03859 | 20 |
| | 80 | 03859 | 04124 | 04389 | 04654 | 04919 | 05184 | 05449 | 05714 | 05979 | 06244 | 06509 | 10 |
| | 90 | 06509 | 06773 | 07038 | 07303 | 07568 | 07833 | 08098 | 08363 | 08627 | 08892 | 09157 | **36 oo** |
| **64** | **oo** | 8.41 09157 | 09422 | 09686 | 09951 | 10216 | 10480 | 10745 | 11010 | 11274 | 11539 | 11804 | 90 |
| | 10 | 11804 | 12068 | 12333 | 12597 | 12862 | 13126 | 13391 | 13655 | 13920 | 14184 | 14449 | 80 |
| | 20 | 14449 | 14713 | 14978 | 15242 | 15506 | 15771 | 16035 | 16299 | 16564 | 16828 | 17092 | 70 |
| | 30 | 17092 | 17357 | 17621 | 17885 | 18149 | 18413 | 18678 | 18942 | 19206 | 19470 | 19734 | 60 |
| | 40 | 19734 | 19998 | 20262 | 20526 | 20791 | 21055 | 21319 | 21583 | 21847 | 22111 | 22374 | 50 |
| | 50 | 22374 | 22638 | 22902 | 23166 | 23430 | 23694 | 23958 | 24222 | 24486 | 24749 | 25013 | 40 |
| | 60 | 25013 | 25277 | 25541 | 25804 | 26068 | 26332 | 26596 | 26859 | 27123 | 27387 | 27650 | 30 |
| | 70 | 27650 | 27914 | 28178 | 28441 | 28705 | 28968 | 29232 | 29495 | 29759 | 30022 | 30286 | 20 |
| | 80 | 30286 | 30549 | 30813 | 31076 | 31340 | 31603 | 31866 | 32130 | 32393 | 32656 | 32920 | 10 |
| | 90 | 8.41 32920 | 33183 | 33446 | 33710 | 33973 | 34236 | 34499 | 34762 | 35026 | 35289 | 35552 | **35 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $98^g\,35^c$ — log cos $98^g\,40^c$

## log tg $1^g\,60^c$ — log tg $1^g\,65^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **60** | **oo** | 8.40 03313 | 03585 | 03856 | 04128 | 04399 | 04671 | 04942 | 05214 | 05485 | 05756 | 06028 | | 90 |
| | 10 | 06028 | 06299 | 06571 | 06842 | 07113 | 07384 | 07656 | 07927 | 08198 | 08470 | 08741 | | 80 |
| | 20 | 08741 | 09012 | 09283 | 09554 | 09825 | 10097 | 10368 | 10639 | 10910 | 11181 | 11452 | | 70 |
| | 30 | 11452 | 11723 | 11994 | 12265 | 12536 | 12807 | 13078 | 13349 | 13620 | 13891 | 14162 | | 60 |
| | 40 | 14162 | 14432 | 14703 | 14974 | 15245 | 15516 | 15786 | 16057 | 16328 | 16599 | 16869 | | 50 |
| | 50 | 16869 | 17140 | 17411 | 17681 | 17952 | 18223 | 18493 | 18764 | 19034 | 19305 | 19576 | | 40 |
| | 60 | 19576 | 19846 | 20117 | 20387 | 20658 | 20928 | 21199 | 21469 | 21739 | 22010 | 22280 | | 30 |
| | 70 | 22280 | 22550 | 22821 | 23091 | 23361 | 23632 | 23902 | 24172 | 24443 | 24713 | 24983 | | 20 |
| | 80 | 24983 | 25253 | 25523 | 25793 | 26064 | 26334 | 26604 | 26874 | 27144 | 27414 | 27684 | | 10 |
| | 90 | 27684 | 27954 | 28224 | 28494 | 28764 | 29034 | 29304 | 29574 | 29844 | 30114 | 30384 | **39** | **oo** |
| **61** | **oo** | 8.40 30384 | 30653 | 30923 | 31193 | 31463 | 31733 | 32002 | 32272 | 32542 | 32812 | 33081 | | 90 |
| | 10 | 33081 | 33351 | 33621 | 33890 | 34160 | 34430 | 34699 | 34969 | 35238 | 35508 | 35777 | | 80 |
| | 20 | 35777 | 36047 | 36316 | 36586 | 36855 | 37125 | 37394 | 37664 | 37933 | 38203 | 38472 | | 70 |
| | 30 | 38472 | 38741 | 39011 | 39280 | 39549 | 39819 | 40088 | 40357 | 40626 | 40895 | 41165 | | 60 |
| | 40 | 41165 | 41434 | 41703 | 41972 | 42241 | 42510 | 42780 | 43049 | 43318 | 43587 | 43856 | | 50 |
| | 50 | 43856 | 44125 | 44394 | 44663 | 44932 | 45201 | 45470 | 45739 | 46008 | 46276 | 46545 | | 40 |
| | 60 | 46545 | 46814 | 47083 | 47352 | 47621 | 47889 | 48158 | 48427 | 48696 | 48964 | 49233 | | 30 |
| | 70 | 49233 | 49502 | 49770 | 50039 | 50308 | 50576 | 50845 | 51114 | 51382 | 51651 | 51919 | | 20 |
| | 80 | 51919 | 52188 | 52456 | 52725 | 52993 | 53262 | 53530 | 53798 | 54067 | 54335 | 54604 | | 10 |
| | 90 | 54604 | 54872 | 55140 | 55409 | 55677 | 55945 | 56214 | 56482 | 56750 | 57018 | 57286 | **38** | **oo** |
| **62** | **oo** | 8.40 57286 | 57555 | 57823 | 58091 | 58359 | 58627 | 58895 | 59163 | 59432 | 59700 | 59968 | | 90 |
| | 10 | 59968 | 60236 | 60504 | 60772 | 61040 | 61308 | 61576 | 61843 | 62111 | 62379 | 62647 | | 80 |
| | 20 | 62647 | 62915 | 63183 | 63451 | 63718 | 63986 | 64254 | 64522 | 64790 | 65057 | 65325 | | 70 |
| | 30 | 65325 | 65593 | 65860 | 66128 | 66396 | 66663 | 66931 | 67199 | 67466 | 67734 | 68001 | | 60 |
| | 40 | 68001 | 68269 | 68536 | 68804 | 69071 | 69339 | 69606 | 69874 | 70141 | 70408 | 70676 | | 50 |
| | 50 | 70676 | 70943 | 71210 | 71478 | 71745 | 72012 | 72280 | 72547 | 72814 | 73081 | 73349 | | 40 |
| | 60 | 73349 | 73616 | 73883 | 74150 | 74417 | 74685 | 74952 | 75219 | 75486 | 75753 | 76020 | | 30 |
| | 70 | 76020 | 76287 | 76554 | 76821 | 77088 | 77355 | 77622 | 77889 | 78156 | 78423 | 78690 | | 20 |
| | 80 | 78690 | 78956 | 79223 | 79490 | 79757 | 80024 | 80291 | 80557 | 80824 | 81091 | 81358 | | 10 |
| | 90 | 81358 | 81624 | 81891 | 82158 | 82424 | 82691 | 82958 | 83224 | 83491 | 83757 | 84024 | **37** | **oo** |
| **63** | **oo** | 8.40 84024 | 84291 | 84557 | 84824 | 85090 | 85357 | 85623 | 85889 | 86156 | 86422 | 86689 | | 90 |
| | 10 | 86689 | 86955 | 87221 | 87488 | 87754 | 88020 | 88287 | 88553 | 88819 | 89086 | 89352 | | 80 |
| | 20 | 89352 | 89618 | 89884 | 90150 | 90417 | 90683 | 90949 | 91215 | 91481 | 91747 | 92013 | | 70 |
| | 30 | 92013 | 92279 | 92545 | 92811 | 93077 | 93343 | 93609 | 93875 | 94141 | 94407 | 94673 | | 60 |
| | 40 | 94673 | 94939 | 95205 | 95471 | 95737 | 96002 | 96268 | 96534 | 96800 | 97066 | 97331 | | 50 |
| | 50 | 97331 | 97597 | 97863 | 98128 | 98394 | 98660 | 98925 | 99191 | 99457 | 99722 | 99988 | | 40 |
| | 60 | 8.40 99988 | *00254 | *00519 | *00785 | *01050 | *01316 | *01581 | *01847 | *02112 | *02377 | *02643 | | 30 |
| | 70 | 8.41 02643 | 02908 | 03174 | 03439 | 03704 | 03970 | 04235 | 04500 | 04766 | 05031 | 05296 | | 20 |
| | 80 | 05296 | 05562 | 05827 | 06092 | 06357 | 06622 | 06887 | 07153 | 07418 | 07683 | 07948 | | 10 |
| | 90 | 07948 | 08213 | 08478 | 08743 | 09008 | 09273 | 09538 | 09803 | 10068 | 10333 | 10598 | **36** | **oo** |
| **64** | **oo** | 8.41 10598 | 10863 | 11128 | 11393 | 11658 | 11923 | 12187 | 12452 | 12717 | 12982 | 13247 | | 90 |
| | 10 | 13247 | 13511 | 13776 | 14041 | 14306 | 14570 | 14835 | 15100 | 15364 | 15629 | 15893 | | 80 |
| | 20 | 15893 | 16158 | 16423 | 16687 | 16952 | 17216 | 17481 | 17745 | 18010 | 18274 | 18539 | | 70 |
| | 30 | 18539 | 18803 | 19068 | 19332 | 19596 | 19861 | 20125 | 20390 | 20654 | 20918 | 21182 | | 60 |
| | 40 | 21182 | 21447 | 21711 | 21975 | 22239 | 22504 | 22768 | 23032 | 23296 | 23560 | 23825 | | 50 |
| | 50 | 23825 | 24089 | 24353 | 24617 | 24881 | 25145 | 25409 | 25673 | 25937 | 26201 | 26465 | | 40 |
| | 60 | 26465 | 26729 | 26993 | 27257 | 27521 | 27785 | 28048 | 28312 | 28576 | 28840 | 29104 | | 30 |
| | 70 | 29104 | 29368 | 29631 | 29895 | 30159 | 30423 | 30686 | 30950 | 31214 | 31477 | 31741 | | 20 |
| | 80 | 31741 | 32005 | 32268 | 32532 | 32796 | 33059 | 33323 | 33586 | 33850 | 34113 | 34377 | | 10 |
| | 90 | 8.41 34377 | 34640 | 34904 | 35167 | 35431 | 35694 | 35957 | 36221 | 36484 | 36747 | 37011 | **35** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $98^g\,35^c$ — log ctg $98^g\,40^c$

## log sin $1^g\,65^c$ — log sin $1^g\,70^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **65** | **oo** | 8.41 35552 | 35815 | 36078 | 36341 | 36604 | 36868 | 37131 | 37394 | 37657 | 37920 | 38183 | 90 |
| | 10 | 38183 | 38446 | 38709 | 38972 | 39235 | 39497 | 39760 | 40023 | 40286 | 40549 | 40812 | 80 |
| | 20 | 40812 | 41075 | 41337 | 41600 | 41863 | 42126 | 42388 | 42651 | 42914 | 43177 | 43439 | 70 |
| | 30 | 43439 | 43702 | 43965 | 44227 | 44490 | 44752 | 45015 | 45278 | 45540 | 45803 | 46065 | 60 |
| | 40 | 46065 | 46328 | 46590 | 46853 | 47115 | 47378 | 47640 | 47902 | 48165 | 48427 | 48690 | 50 |
| | 50 | 48690 | 48952 | 49214 | 49477 | 49739 | 50001 | 50263 | 50526 | 50788 | 51050 | 51312 | 40 |
| | 60 | 51312 | 51575 | 51837 | 52099 | 52361 | 52623 | 52885 | 53147 | 53409 | 53671 | 53933 | 30 |
| | 70 | 53933 | 54196 | 54458 | 54720 | 54982 | 55243 | 55505 | 55767 | 56029 | 56291 | 56553 | 20 |
| | 80 | 56553 | 56815 | 57077 | 57339 | 57600 | 57862 | 58124 | 58386 | 58648 | 58909 | 59171 | 10 |
| | 90 | 59171 | 59433 | 59694 | 59956 | 60218 | 60479 | 60741 | 61003 | 61264 | 61526 | 61787 | **34 oo** |
| **66** | **oo** | 8.41 61787 | 62049 | 62311 | 62572 | 62834 | 63095 | 63357 | 63618 | 63880 | 64141 | 64402 | 90 |
| | 10 | 64402 | 64664 | 64925 | 65186 | 65448 | 65709 | 65971 | 66232 | 66493 | 66754 | 67016 | 80 |
| | 20 | 67016 | 67277 | 67538 | 67799 | 68060 | 68322 | 68583 | 68844 | 69105 | 69366 | 69627 | 70 |
| | 30 | 69627 | 69888 | 70149 | 70411 | 70672 | 70933 | 71194 | 71455 | 71716 | 71977 | 72237 | 60 |
| | 40 | 72237 | 72498 | 72759 | 73020 | 73281 | 73542 | 73803 | 74064 | 74324 | 74585 | 74846 | 50 |
| | 50 | 74846 | 75107 | 75368 | 75628 | 75889 | 76150 | 76410 | 76671 | 76932 | 77192 | 77453 | 40 |
| | 60 | 77453 | 77714 | 77974 | 78235 | 78495 | 78756 | 79016 | 79277 | 79537 | 79798 | 80058 | 30 |
| | 70 | 80058 | 80319 | 80579 | 80840 | 81100 | 81361 | 81621 | 81881 | 82142 | 82402 | 82662 | 20 |
| | 80 | 82662 | 82923 | 83183 | 83443 | 83703 | 83964 | 84224 | 84484 | 84744 | 85004 | 85265 | 10 |
| | 90 | 85265 | 85525 | 85785 | 86045 | 86305 | 86565 | 86825 | 87085 | 87345 | 87605 | 87865 | **33 oo** |
| **67** | **oo** | 8.41 87865 | 88125 | 88385 | 88645 | 88905 | 89165 | 89425 | 89685 | 89945 | 90205 | 90465 | 90 |
| | 10 | 90465 | 90724 | 90984 | 91244 | 91504 | 91764 | 92023 | 92283 | 92543 | 92803 | 93062 | 80 |
| | 20 | 93062 | 93322 | 93582 | 93841 | 94101 | 94360 | 94620 | 94880 | 95139 | 95399 | 95658 | 70 |
| | 30 | 95658 | 95918 | 96177 | 96437 | 96696 | 96956 | 97215 | 97475 | 97734 | 97993 | 98253 | 60 |
| | 40 | 8.41 98253 | 98512 | 98772 | 99031 | 99290 | 99550 | 99809 | *00068 | *00327 | *00587 | *00846 | 50 |
| | 50 | 8.42 00846 | 01105 | 01364 | 01623 | 01883 | 02142 | 02401 | 02660 | 02919 | 03178 | 03437 | 40 |
| | 60 | 03437 | 03696 | 03955 | 04214 | 04473 | 04732 | 04991 | 05250 | 05509 | 05768 | 06027 | 30 |
| | 70 | 06027 | 06286 | 06545 | 06804 | 07063 | 07321 | 07580 | 07839 | 08098 | 08357 | 08615 | 20 |
| | 80 | 08615 | 08874 | 09133 | 09392 | 09650 | 09909 | 10168 | 10426 | 10685 | 10944 | 11202 | 10 |
| | 90 | 11202 | 11461 | 11719 | 11978 | 12237 | 12495 | 12754 | 13012 | 13271 | 13529 | 13788 | **32 oo** |
| **68** | **oo** | 8.42 13788 | 14046 | 14304 | 14563 | 14821 | 15080 | 15338 | 15596 | 15855 | 16113 | 16371 | 90 |
| | 10 | 16371 | 16630 | 16888 | 17146 | 17404 | 17663 | 17921 | 18179 | 18437 | 18695 | 18953 | 80 |
| | 20 | 18953 | 19212 | 19470 | 19728 | 19986 | 20244 | 20502 | 20760 | 21018 | 21276 | 21534 | 70 |
| | 30 | 21534 | 21792 | 22050 | 22308 | 22566 | 22824 | 23082 | 23340 | 23597 | 23855 | 24113 | 60 |
| | 40 | 24113 | 24371 | 24629 | 24887 | 25144 | 25402 | 25660 | 25918 | 26175 | 26433 | 26691 | 50 |
| | 50 | 26691 | 26948 | 27206 | 27464 | 27721 | 27979 | 28237 | 28494 | 28752 | 29009 | 29267 | 40 |
| | 60 | 29267 | 29524 | 29782 | 30039 | 30297 | 30554 | 30812 | 31069 | 31327 | 31584 | 31841 | 30 |
| | 70 | 31841 | 32099 | 32356 | 32613 | 32871 | 33128 | 33385 | 33643 | 33900 | 34157 | 34414 | 20 |
| | 80 | 34414 | 34672 | 34929 | 35186 | 35443 | 35700 | 35957 | 36214 | 36472 | 36729 | 36986 | 10 |
| | 90 | 36986 | 37243 | 37500 | 37757 | 38014 | 38271 | 38528 | 38785 | 39042 | 39299 | 39556 | **31 oo** |
| **69** | **oo** | 8.42 39556 | 39813 | 40070 | 40326 | 40583 | 40840 | 41097 | 41354 | 41611 | 41867 | 42124 | 90 |
| | 10 | 42124 | 42381 | 42638 | 42894 | 43151 | 43408 | 43664 | 43921 | 44178 | 44434 | 44691 | 80 |
| | 20 | 44691 | 44948 | 45204 | 45461 | 45717 | 45974 | 46230 | 46487 | 46743 | 47000 | 47256 | 70 |
| | 30 | 47256 | 47513 | 47769 | 48026 | 48282 | 48539 | 48795 | 49051 | 49308 | 49564 | 49820 | 60 |
| | 40 | 49820 | 50077 | 50333 | 50589 | 50845 | 51102 | 51358 | 51614 | 51870 | 52127 | 52383 | 50 |
| | 50 | 52383 | 52639 | 52895 | 53151 | 53407 | 53663 | 53919 | 54175 | 54431 | 54688 | 54944 | 40 |
| | 60 | 54944 | 55200 | 55456 | 55711 | 55967 | 56223 | 56479 | 56735 | 56991 | 57247 | 57503 | 30 |
| | 70 | 57503 | 57759 | 58015 | 58270 | 58526 | 58782 | 59038 | 59293 | 59549 | 59805 | 60061 | 20 |
| | 80 | 60061 | 60316 | 60572 | 60828 | 61083 | 61339 | 61595 | 61850 | 62106 | 62361 | 62617 | 10 |
| | 90 | 8.42 62617 | 62873 | 63128 | 63384 | 63639 | 63895 | 64150 | 64406 | 64661 | 64916 | 65172 | **30 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $98^g\,30^c$ — log cos $98^g\,35^c$

## log tg $1^g\,65^c$ — log tg $1^g\,70^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **65** | **oo** | 8.41 37011 | 37274 | 37537 | 37801 | 38064 | 38327 | 38590 | 38854 | 39117 | 39380 | 39643 | | 90 |
| | 10 | 39643 | 39906 | 40170 | 40433 | 40696 | 40959 | 41222 | 41485 | 41748 | 42011 | 42274 | | 80 |
| | 20 | 42274 | 42537 | 42800 | 43063 | 43326 | 43589 | 43852 | 44115 | 44378 | 44641 | 44903 | | 70 |
| | 30 | 44903 | 45166 | 45429 | 45692 | 45955 | 46218 | 46480 | 46743 | 47006 | 47268 | 47531 | | 60 |
| | 40 | 47531 | 47794 | 48057 | 48319 | 48582 | 48844 | 49107 | 49370 | 49632 | 49895 | 50157 | | 50 |
| | 50 | 50157 | 50420 | 50682 | 50945 | 51207 | 51470 | 51732 | 51995 | 52257 | 52519 | 52782 | | 40 |
| | 60 | 52782 | 53044 | 53307 | 53569 | 53831 | 54093 | 54356 | 54618 | 54880 | 55143 | 55405 | | 30 |
| | 70 | 55405 | 55667 | 55929 | 56191 | 56453 | 56716 | 56978 | 57240 | 57502 | 57764 | 58026 | | 20 |
| | 80 | 58026 | 58288 | 58550 | 58812 | 59074 | 59336 | 59598 | 59860 | 60122 | 60384 | 60646 | | 10 |
| | 90 | 60646 | 60908 | 61170 | 61432 | 61693 | 61955 | 62217 | 62479 | 62741 | 63002 | 63264 | **34** | **oo** |
| **66** | **oo** | 8.41 63264 | 63526 | 63788 | 64049 | 64311 | 64573 | 64834 | 65096 | 65358 | 65619 | 65881 | | 90 |
| | 10 | 65881 | 66142 | 66404 | 66665 | 66927 | 67188 | 67450 | 67711 | 67973 | 68234 | 68496 | | 80 |
| | 20 | 68496 | 68757 | 69019 | 69280 | 69541 | 69803 | 70064 | 70325 | 70587 | 70848 | 71109 | | 70 |
| | 30 | 71109 | 71371 | 71632 | 71893 | 72154 | 72415 | 72677 | 72938 | 73199 | 73460 | 73721 | | 60 |
| | 40 | 73721 | 73982 | 74243 | 74504 | 74766 | 75027 | 75288 | 75549 | 75810 | 76071 | 76332 | | 50 |
| | 50 | 76332 | 76592 | 76853 | 77114 | 77375 | 77636 | 77897 | 78158 | 78419 | 78680 | 78940 | | 40 |
| | 60 | 78940 | 79201 | 79462 | 79723 | 79983 | 80244 | 80505 | 80766 | 81026 | 81287 | 81548 | | 30 |
| | 70 | 81548 | 81808 | 82069 | 82329 | 82590 | 82851 | 83111 | 83372 | 83632 | 83893 | 84153 | | 20 |
| | 80 | 84153 | 84414 | 84674 | 84935 | 85195 | 85455 | 85716 | 85976 | 86237 | 86497 | 86757 | | 10 |
| | 90 | 86757 | 87018 | 87278 | 87538 | 87798 | 88059 | 88319 | 88579 | 88839 | 89100 | 89360 | **33** | **oo** |
| **67** | **oo** | 8.41 89360 | 89620 | 89880 | 90140 | 90400 | 90661 | 90921 | 91181 | 91441 | 91701 | 91961 | | 90 |
| | 10 | 91961 | 92221 | 92481 | 92741 | 93001 | 93261 | 93521 | 93781 | 94040 | 94300 | 94560 | | 80 |
| | 20 | 94560 | 94820 | 95080 | 95340 | 95600 | 95859 | 96119 | 96379 | 96639 | 96898 | 97158 | | 70 |
| | 30 | 97158 | 97418 | 97677 | 97937 | 98197 | 98456 | 98716 | 98976 | 99235 | 99495 | 99754 | | 60 |
| | 40 | 8.41 99754 | *00014 | *00274 | *00533 | *00793 | *01052 | *01311 | *01571 | *01830 | *02090 | *02349 | | 50 |
| | 50 | 8.42 02349 | 02609 | 02868 | 03127 | 03387 | 03646 | 03905 | 04165 | 04424 | 04683 | 04942 | | 40 |
| | 60 | 04942 | 05202 | 05461 | 05720 | 05979 | 06238 | 06498 | 06757 | 07016 | 07275 | 07534 | | 30 |
| | 70 | 07534 | 07793 | 08052 | 08311 | 08570 | 08829 | 09088 | 09347 | 09606 | 09865 | 10124 | | 20 |
| | 80 | 10124 | 10383 | 10642 | 10901 | 11160 | 11419 | 11678 | 11936 | 12195 | 12454 | 12713 | | 10 |
| | 90 | 12713 | 12972 | 13230 | 13489 | 13748 | 14007 | 14265 | 14524 | 14783 | 15041 | 15300 | **32** | **oo** |
| **68** | **oo** | 8.42 15300 | 15559 | 15817 | 16076 | 16334 | 16593 | 16851 | 17110 | 17368 | 17627 | 17885 | | 90 |
| | 10 | 17885 | 18144 | 18402 | 18661 | 18919 | 19178 | 19436 | 19694 | 19953 | 20211 | 20469 | | 80 |
| | 20 | 20469 | 20728 | 20986 | 21244 | 21503 | 21761 | 22019 | 22277 | 22535 | 22794 | 23052 | | 70 |
| | 30 | 23052 | 23310 | 23568 | 23826 | 24084 | 24342 | 24601 | 24859 | 25117 | 25375 | 25633 | | 60 |
| | 40 | 25633 | 25891 | 26149 | 26407 | 26665 | 26923 | 27181 | 27438 | 27696 | 27954 | 28212 | | 50 |
| | 50 | 28212 | 28470 | 28728 | 28986 | 29243 | 29501 | 29759 | 30017 | 30275 | 30532 | 30790 | | 40 |
| | 60 | 30790 | 31048 | 31305 | 31563 | 31821 | 32078 | 32336 | 32594 | 32851 | 33109 | 33366 | | 30 |
| | 70 | 33366 | 33624 | 33881 | 34139 | 34396 | 34654 | 34911 | 35169 | 35426 | 35684 | 35941 | | 20 |
| | 80 | 35941 | 36199 | 36456 | 36713 | 36971 | 37228 | 37485 | 37743 | 38000 | 38257 | 38514 | | 10 |
| | 90 | 38514 | 38772 | 39029 | 39286 | 39543 | 39800 | 40058 | 40315 | 40572 | 40829 | 41086 | **31** | **oo** |
| **69** | **oo** | 8.42 41086 | 41343 | 41600 | 41857 | 42114 | 42371 | 42628 | 42885 | 43142 | 43399 | 43656 | | 90 |
| | 10 | 43656 | 43913 | 44170 | 44427 | 44684 | 44941 | 45198 | 45455 | 45711 | 45968 | 46225 | | 80 |
| | 20 | 46225 | 46482 | 46739 | 46995 | 47252 | 47509 | 47766 | 48022 | 48279 | 48536 | 48792 | | 70 |
| | 30 | 48792 | 49049 | 49306 | 49562 | 49819 | 50075 | 50332 | 50588 | 50845 | 51102 | 51358 | | 60 |
| | 40 | 51358 | 51614 | 51871 | 52127 | 52384 | 52640 | 52897 | 53153 | 53409 | 53666 | 53922 | | 50 |
| | 50 | 53922 | 54179 | 54435 | 54691 | 54947 | 55204 | 55460 | 55716 | 55972 | 56229 | 56485 | | 40 |
| | 60 | 56485 | 56741 | 56997 | 57253 | 57509 | 57766 | 58022 | 58278 | 58534 | 58790 | 59046 | | 30 |
| | 70 | 59046 | 59302 | 59558 | 59814 | 60070 | 60326 | 60582 | 60838 | 61094 | 61350 | 61606 | | 20 |
| | 80 | 61606 | 61862 | 62117 | 62373 | 62629 | 62885 | 63141 | 63397 | 63652 | 63908 | 64164 | | 10 |
| | 90 | 8.42 64164 | 64420 | 64675 | 64931 | 65187 | 65442 | 65698 | 65954 | 66209 | 66465 | 66720 | **30** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $98^g\,30^c$ — log ctg $98^g\,35^c$

## log sin $1^g\,70^c$ — log sin $1^g\,75^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **70** | **00** | 8.42 65172 | 65427 | 65683 | 65938 | 66193 | 66449 | 66704 | 66959 | 67215 | 67470 | 67725 | | 90 |
| | 10 | 67725 | 67980 | 68236 | 68491 | 68746 | 69001 | 69256 | 69512 | 69767 | 70022 | 70277 | | 80 |
| | 20 | 70277 | 70532 | 70787 | 71042 | 71297 | 71552 | 71807 | 72062 | 72317 | 72572 | 72827 | | 70 |
| | 30 | 72827 | 73082 | 73337 | 73592 | 73847 | 74102 | 74357 | 74612 | 74866 | 75121 | 75376 | | 60 |
| | 40 | 75376 | 75631 | 75886 | 76140 | 76395 | 76650 | 76905 | 77159 | 77414 | 77669 | 77923 | | 50 |
| | 50 | 77923 | 78178 | 78433 | 78687 | 78942 | 79197 | 79451 | 79706 | 79960 | 80215 | 80469 | | 40 |
| | 60 | 80469 | 80724 | 80978 | 81233 | 81487 | 81742 | 81996 | 82250 | 82505 | 82759 | 83014 | | 30 |
| | 70 | 83014 | 83268 | 83522 | 83777 | 84031 | 84285 | 84539 | 84794 | 85048 | 85302 | 85556 | | 20 |
| | 80 | 85556 | 85811 | 86065 | 86319 | 86573 | 86827 | 87081 | 87336 | 87590 | 87844 | 88098 | | 10 |
| | 90 | 88098 | 88352 | 88606 | 88860 | 89114 | 89368 | 89622 | 89876 | 90130 | 90384 | 90638 | **29** | **00** |
| **71** | **00** | 8.42 90638 | 90892 | 91145 | 91399 | 91653 | 91907 | 92161 | 92415 | 92668 | 92922 | 93176 | | 90 |
| | 10 | 93176 | 93430 | 93684 | 93937 | 94191 | 94445 | 94698 | 94952 | 95206 | 95459 | 95713 | | 80 |
| | 20 | 95713 | 95967 | 96220 | 96474 | 96727 | 96981 | 97234 | 97488 | 97741 | 97995 | 98248 | | 70 |
| | 30 | 8.42 98248 | 98502 | 98755 | 99009 | 99262 | 99515 | 99769 | *00022 | *00276 | *00529 | *00782 | | 60 |
| | 40 | 8.43 00782 | 01036 | 01289 | 01542 | 01795 | 02049 | 02302 | 02555 | 02808 | 03062 | 03315 | | 50 |
| | 50 | 03315 | 03568 | 03821 | 04074 | 04327 | 04580 | 04833 | 05087 | 05340 | 05593 | 05846 | | 40 |
| | 60 | 05846 | 06099 | 06352 | 06605 | 06858 | 07111 | 07364 | 07616 | 07869 | 08122 | 08375 | | 30 |
| | 70 | 08375 | 08628 | 08881 | 09134 | 09387 | 09639 | 09892 | 10145 | 10398 | 10650 | 10903 | | 20 |
| | 80 | 10903 | 11156 | 11409 | 11661 | 11914 | 12167 | 12419 | 12672 | 12925 | 13177 | 13430 | | 10 |
| | 90 | 13430 | 13682 | 13935 | 14187 | 14440 | 14693 | 14945 | 15197 | 15450 | 15702 | 15955 | **28** | **00** |
| **72** | **00** | 8.43 15955 | 16207 | 16460 | 16712 | 16964 | 17217 | 17469 | 17722 | 17974 | 18226 | 18478 | | 90 |
| | 10 | 18478 | 18731 | 18983 | 19235 | 19488 | 19740 | 19992 | 20244 | 20496 | 20748 | 21001 | | 80 |
| | 20 | 21001 | 21253 | 21505 | 21757 | 22009 | 22261 | 22513 | 22765 | 23017 | 23269 | 23521 | | 70 |
| | 30 | 23521 | 23773 | 24025 | 24277 | 24529 | 24781 | 25033 | 25285 | 25537 | 25789 | 26041 | | 60 |
| | 40 | 26041 | 26292 | 26544 | 26796 | 27048 | 27300 | 27551 | 27803 | 28055 | 28307 | 28558 | | 50 |
| | 50 | 28558 | 28810 | 29062 | 29313 | 29565 | 29817 | 30068 | 30320 | 30571 | 30823 | 31075 | | 40 |
| | 60 | 31075 | 31326 | 31578 | 31829 | 32081 | 32332 | 32584 | 32835 | 33087 | 33338 | 33589 | | 30 |
| | 70 | 33589 | 33841 | 34092 | 34344 | 34595 | 34846 | 35098 | 35349 | 35600 | 35852 | 36103 | | 20 |
| | 80 | 36103 | 36354 | 36605 | 36857 | 37108 | 37359 | 37610 | 37861 | 38113 | 38364 | 38615 | | 10 |
| | 90 | 38615 | 38866 | 39117 | 39368 | 39619 | 39870 | 40121 | 40372 | 40623 | 40874 | 41125 | **27** | **00** |
| **73** | **00** | 8.43 41125 | 41376 | 41627 | 41878 | 42129 | 42380 | 42631 | 42882 | 43133 | 43383 | 43634 | | 90 |
| | 10 | 43634 | 43885 | 44136 | 44387 | 44638 | 44888 | 45139 | 45390 | 45640 | 45891 | 46142 | | 80 |
| | 20 | 46142 | 46393 | 46643 | 46894 | 47145 | 47395 | 47646 | 47896 | 48147 | 48397 | 48648 | | 70 |
| | 30 | 48648 | 48899 | 49149 | 49400 | 49650 | 49901 | 50151 | 50401 | 50652 | 50902 | 51153 | | 60 |
| | 40 | 51153 | 51403 | 51653 | 51904 | 52154 | 52404 | 52655 | 52905 | 53155 | 53406 | 53656 | | 50 |
| | 50 | 53656 | 53906 | 54156 | 54407 | 54657 | 54907 | 55157 | 55407 | 55657 | 55908 | 56158 | | 40 |
| | 60 | 56158 | 56408 | 56658 | 56908 | 57158 | 57408 | 57658 | 57908 | 58158 | 58408 | 58658 | | 30 |
| | 70 | 58658 | 58908 | 59158 | 59408 | 59658 | 59908 | 60158 | 60407 | 60657 | 60907 | 61157 | | 20 |
| | 80 | 61157 | 61407 | 61657 | 61906 | 62156 | 62406 | 62656 | 62905 | 63155 | 63405 | 63654 | | 10 |
| | 90 | 63654 | 63904 | 64154 | 64403 | 64653 | 64903 | 65152 | 65402 | 65651 | 65901 | 66151 | **26** | **00** |
| **74** | **00** | 8.43 66151 | 66400 | 66650 | 66899 | 67149 | 67398 | 67647 | 67897 | 68146 | 68396 | 68645 | | 90 |
| | 10 | 68645 | 68895 | 69144 | 69393 | 69643 | 69892 | 70141 | 70390 | 70640 | 70889 | 71138 | | 80 |
| | 20 | 71138 | 71388 | 71637 | 71886 | 72135 | 72384 | 72634 | 72883 | 73132 | 73381 | 73630 | | 70 |
| | 30 | 73630 | 73879 | 74128 | 74377 | 74626 | 74875 | 75124 | 75373 | 75622 | 75871 | 76120 | | 60 |
| | 40 | 76120 | 76369 | 76618 | 76867 | 77116 | 77365 | 77614 | 77863 | 78112 | 78360 | 78609 | | 50 |
| | 50 | 78609 | 78858 | 79107 | 79356 | 79604 | 79853 | 80102 | 80351 | 80599 | 80848 | 81097 | | 40 |
| | 60 | 81097 | 81345 | 81594 | 81843 | 82091 | 82340 | 82588 | 82837 | 83086 | 83334 | 83583 | | 30 |
| | 70 | 83583 | 83831 | 84080 | 84328 | 84577 | 84825 | 85074 | 85322 | 85571 | 85819 | 86067 | | 20 |
| | 80 | 86067 | 86316 | 86564 | 86812 | 87061 | 87309 | 87557 | 87806 | 88054 | 88302 | 88551 | | 10 |
| | 90 | 8.43 88551 | 88799 | 89047 | 89295 | 89543 | 89792 | 90040 | 90288 | 90536 | 90784 | 91032 | **25** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $98^g\,25^c$ — log cos $98^g\,30^c$

## log tg $1^g\,70^c$ — log tg $1^g\,75^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | c | cc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **70** | **oo** | 8.42 66720 | 66976 | 67232 | 67487 | 67743 | 67998 | 68254 | 68509 | 68765 | 69020 | 69276 | | 90 |
| | 10 | 69276 | 69531 | 69786 | 70042 | 70297 | 70553 | 70808 | 71063 | 71319 | 71574 | 71829 | | 80 |
| | 20 | 71829 | 72084 | 72340 | 72595 | 72850 | 73105 | 73361 | 73616 | 73871 | 74126 | 74381 | | 70 |
| | 30 | 74381 | 74636 | 74892 | 75147 | 75402 | 75657 | 75912 | 76167 | 76422 | 76677 | 76932 | | 60 |
| | 40 | 76932 | 77187 | 77442 | 77697 | 77952 | 78207 | 78462 | 78717 | 78971 | 79226 | 79481 | | 50 |
| | 50 | 79481 | 79736 | 79991 | 80246 | 80500 | 80755 | 81010 | 81265 | 81519 | 81774 | 82029 | | 40 |
| | 60 | 82029 | 82283 | 82538 | 82793 | 83047 | 83302 | 83557 | 83811 | 84066 | 84320 | 84575 | | 30 |
| | 70 | 84575 | 84829 | 85084 | 85339 | 85593 | 85847 | 86102 | 86356 | 86611 | 86865 | 87120 | | 20 |
| | 80 | 87120 | 87374 | 87628 | 87883 | 88137 | 88391 | 88646 | 88900 | 89154 | 89409 | 89663 | | 10 |
| | 90 | 89663 | 89917 | 90171 | 90425 | 90680 | 90934 | 91188 | 91442 | 91696 | 91950 | 92205 | **29** | **oo** |
| **71** | **oo** | 8.42 92205 | 92459 | 92713 | 92967 | 93221 | 93475 | 93729 | 93983 | 94237 | 94491 | 94745 | | 90 |
| | 10 | 94745 | 94999 | 95253 | 95507 | 95760 | 96014 | 96268 | 96522 | 96776 | 97030 | 97283 | | 80 |
| | 20 | 97283 | 97537 | 97791 | 98045 | 98299 | 98552 | 98806 | 99060 | 99313 | 99567 | 99821 | | 70 |
| | 30 | 8.42 99821 | *00074 | *00328 | *00582 | *00835 | *01089 | *01342 | *01596 | *01849 | *02103 | *02356 | | 60 |
| | 40 | 8.43 02356 | 02610 | 02863 | 03117 | 03370 | 03624 | 03877 | 04131 | 04384 | 04637 | 04891 | | 50 |
| | 50 | 04891 | 05144 | 05397 | 05651 | 05904 | 06157 | 06411 | 06664 | 06917 | 07170 | 07424 | | 40 |
| | 60 | 07424 | 07677 | 07930 | 08183 | 08436 | 08689 | 08943 | 09196 | 09449 | 09702 | 09955 | | 30 |
| | 70 | 09955 | 10208 | 10461 | 10714 | 10967 | 11220 | 11473 | 11726 | 11979 | 12232 | 12485 | | 20 |
| | 80 | 12485 | 12738 | 12991 | 13243 | 13496 | 13749 | 14002 | 14255 | 14508 | 14760 | 15013 | | 10 |
| | 90 | 15013 | 15266 | 15519 | 15771 | 16024 | 16277 | 16530 | 16782 | 17035 | 17288 | 17540 | **28** | **oo** |
| **72** | **oo** | 8.43 17540 | 17793 | 18045 | 18298 | 18551 | 18803 | 19056 | 19308 | 19561 | 19813 | 20066 | | 90 |
| | 10 | 20066 | 20318 | 20571 | 20823 | 21075 | 21328 | 21580 | 21833 | 22085 | 22337 | 22590 | | 80 |
| | 20 | 22590 | 22842 | 23094 | 23347 | 23599 | 23851 | 24103 | 24356 | 24608 | 24860 | 25112 | | 70 |
| | 30 | 25112 | 25364 | 25616 | 25869 | 26121 | 26373 | 26625 | 26877 | 27129 | 27381 | 27633 | | 60 |
| | 40 | 27633 | 27885 | 28137 | 28389 | 28641 | 28893 | 29145 | 29397 | 29649 | 29901 | 30153 | | 50 |
| | 50 | 30153 | 30405 | 30657 | 30908 | 31160 | 31412 | 31664 | 31916 | 32167 | 32419 | 32671 | | 40 |
| | 60 | 32671 | 32923 | 33174 | 33426 | 33678 | 33930 | 34181 | 34433 | 34684 | 34936 | 35188 | | 30 |
| | 70 | 35188 | 35439 | 35691 | 35942 | 36194 | 36445 | 36697 | 36948 | 37200 | 37451 | 37703 | | 20 |
| | 80 | 37703 | 37954 | 38206 | 38457 | 38709 | 38960 | 39211 | 39463 | 39714 | 39965 | 40217 | | 10 |
| | 90 | 40217 | 40468 | 40719 | 40971 | 41222 | 41473 | 41724 | 41975 | 42227 | 42478 | 42729 | **27** | **oo** |
| **73** | **oo** | 8.43 42729 | 42980 | 43231 | 43482 | 43734 | 43985 | 44236 | 44487 | 44738 | 44989 | 45240 | | 90 |
| | 10 | 45240 | 45491 | 45742 | 45993 | 46244 | 46495 | 46746 | 46997 | 47248 | 47498 | 47749 | | 80 |
| | 20 | 47749 | 48000 | 48251 | 48502 | 48753 | 49004 | 49254 | 49505 | 49756 | 50007 | 50257 | | 70 |
| | 30 | 50257 | 50508 | 50759 | 51009 | 51260 | 51511 | 51761 | 52012 | 52263 | 52513 | 52764 | | 60 |
| | 40 | 52764 | 53014 | 53265 | 53516 | 53766 | 54017 | 54267 | 54518 | 54768 | 55019 | 55269 | | 50 |
| | 50 | 55269 | 55519 | 55770 | 56020 | 56271 | 56521 | 56771 | 57022 | 57272 | 57522 | 57773 | | 40 |
| | 60 | 57773 | 58023 | 58273 | 58523 | 58774 | 59024 | 59274 | 59524 | 59775 | 60025 | 60275 | | 30 |
| | 70 | 60275 | 60525 | 60775 | 61025 | 61275 | 61525 | 61775 | 62026 | 62276 | 62526 | 62776 | | 20 |
| | 80 | 62776 | 63026 | 63276 | 63526 | 63776 | 64025 | 64275 | 64525 | 64775 | 65025 | 65275 | | 10 |
| | 90 | 65275 | 65525 | 65775 | 66024 | 66274 | 66524 | 66774 | 67024 | 67273 | 67523 | 67773 | **26** | **oo** |
| **74** | **oo** | 8.43 67773 | 68023 | 68272 | 68522 | 68772 | 69021 | 69271 | 69521 | 69770 | 70020 | 70269 | | 90 |
| | 10 | 70269 | 70519 | 70768 | 71018 | 71268 | 71517 | 71767 | 72016 | 72265 | 72515 | 72764 | | 80 |
| | 20 | 72764 | 73014 | 73263 | 73513 | 73762 | 74011 | 74261 | 74510 | 74759 | 75009 | 75258 | | 70 |
| | 30 | 75258 | 75507 | 75757 | 76006 | 76255 | 76504 | 76753 | 77003 | 77252 | 77501 | 77750 | | 60 |
| | 40 | 77750 | 77999 | 78248 | 78498 | 78747 | 78996 | 79245 | 79494 | 79743 | 79992 | 80241 | | 50 |
| | 50 | 80241 | 80490 | 80739 | 80988 | 81237 | 81486 | 81735 | 81984 | 82233 | 82481 | 82730 | | 40 |
| | 60 | 82730 | 82979 | 83228 | 83477 | 83726 | 83974 | 84223 | 84472 | 84721 | 84969 | 85218 | | 30 |
| | 70 | 85218 | 85467 | 85716 | 85964 | 86213 | 86462 | 86710 | 86959 | 87207 | 87456 | 87705 | | 20 |
| | 80 | 87705 | 87953 | 88202 | 88450 | 88699 | 88947 | 89196 | 89444 | 89693 | 89941 | 90190 | | 10 |
| | 90 | 8.43 90190 | 90438 | 90687 | 90935 | 91183 | 91432 | 91680 | 91928 | 92177 | 92425 | 92673 | **25** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $98^g\,25^c$ — log ctg $98^g\,30^c$

## log sin $1^g\,75^c$ — log sin $1^g\,80^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **75** | **00** | 8.43 91032 | 91280 | 91528 | 91777 | 92025 | 92273 | 92521 | 92769 | 93017 | 93265 | 93513 | | 90 |
| | 10 | 93513 | 93761 | 94009 | 94256 | 94504 | 94752 | 95000 | 95248 | 95496 | 95744 | 95992 | | 80 |
| | 20 | 95992 | 96239 | 96487 | 96735 | 96983 | 97231 | 97478 | 97726 | 97974 | 98221 | 98469 | | 70 |
| | 30 | 8.43 98469 | 98717 | 98964 | 99212 | 99460 | 99707 | 99955 | *00203 | *00450 | *00698 | *00945 | | 60 |
| | 40 | 8.44 00945 | 01193 | 01440 | 01688 | 01935 | 02183 | 02430 | 02678 | 02925 | 03172 | 03420 | | 50 |
| | 50 | 03420 | 03667 | 03915 | 04162 | 04409 | 04657 | 04904 | 05151 | 05399 | 05646 | 05893 | | 40 |
| | 60 | 05893 | 06140 | 06388 | 06635 | 06882 | 07129 | 07376 | 07624 | 07871 | 08118 | 08365 | | 30 |
| | 70 | 08365 | 08612 | 08859 | 09106 | 09353 | 09600 | 09847 | 10095 | 10342 | 10589 | 10835 | | 20 |
| | 80 | 10835 | 11082 | 11329 | 11576 | 11823 | 12070 | 12317 | 12564 | 12811 | 13058 | 13305 | | 10 |
| | 90 | 13305 | 13551 | 13798 | 14045 | 14292 | 14539 | 14785 | 15032 | 15279 | 15526 | 15772 | **24** | **00** |
| **76** | **00** | 8.44 15772 | 16019 | 16266 | 16512 | 16759 | 17006 | 17252 | 17499 | 17745 | 17992 | 18238 | | 90 |
| | 10 | 18238 | 18485 | 18732 | 18978 | 19225 | 19471 | 19718 | 19964 | 20210 | 20457 | 20703 | | 80 |
| | 20 | 20703 | 20950 | 21196 | 21443 | 21689 | 21935 | 22182 | 22428 | 22674 | 22920 | 23167 | | 70 |
| | 30 | 23167 | 23413 | 23659 | 23906 | 24152 | 24398 | 24644 | 24890 | 25137 | 25383 | 25629 | | 60 |
| | 40 | 25629 | 25875 | 26121 | 26367 | 26613 | 26859 | 27105 | 27351 | 27597 | 27843 | 28089 | | 50 |
| | 50 | 28089 | 28335 | 28581 | 28827 | 29073 | 29319 | 29565 | 29811 | 30057 | 30303 | 30549 | | 40 |
| | 60 | 30549 | 30795 | 31040 | 31286 | 31532 | 31778 | 32024 | 32269 | 32515 | 32761 | 33007 | | 30 |
| | 70 | 33007 | 33252 | 33498 | 33744 | 33989 | 34235 | 34481 | 34726 | 34972 | 35218 | 35463 | | 20 |
| | 80 | 35463 | 35709 | 35954 | 36200 | 36445 | 36691 | 36936 | 37182 | 37427 | 37673 | 37918 | | 10 |
| | 90 | 37918 | 38164 | 38409 | 38654 | 38900 | 39145 | 39391 | 39636 | 39881 | 40127 | 40372 | **23** | **00** |
| **77** | **00** | 8.44 40372 | 40617 | 40862 | 41108 | 41353 | 41598 | 41843 | 42089 | 42334 | 42579 | 42824 | | 90 |
| | 10 | 42824 | 43069 | 43315 | 43560 | 43805 | 44050 | 44295 | 44540 | 44785 | 45030 | 45275 | | 80 |
| | 20 | 45275 | 45520 | 45765 | 46010 | 46255 | 46500 | 46745 | 46990 | 47235 | 47480 | 47725 | | 70 |
| | 30 | 47725 | 47970 | 48214 | 48459 | 48704 | 48949 | 49194 | 49439 | 49683 | 49928 | 50173 | | 60 |
| | 40 | 50173 | 50418 | 50662 | 50907 | 51152 | 51396 | 51641 | 51886 | 52130 | 52375 | 52620 | | 50 |
| | 50 | 52620 | 52864 | 53109 | 53353 | 53598 | 53843 | 54087 | 54332 | 54576 | 54821 | 55065 | | 40 |
| | 60 | 55065 | 55310 | 55554 | 55798 | 56043 | 56287 | 56532 | 56776 | 57020 | 57265 | 57509 | | 30 |
| | 70 | 57509 | 57753 | 57998 | 58242 | 58486 | 58731 | 58975 | 59219 | 59463 | 59708 | 59952 | | 20 |
| | 80 | 59952 | 60196 | 60440 | 60684 | 60928 | 61173 | 61417 | 61661 | 61905 | 62149 | 62393 | | 10 |
| | 90 | 62393 | 62637 | 62881 | 63125 | 63369 | 63613 | 63857 | 64101 | 64345 | 64589 | 64833 | **22** | **00** |
| **78** | **00** | 8.44 64833 | 65077 | 65321 | 65565 | 65808 | 66052 | 66296 | 66540 | 66784 | 67028 | 67271 | | 90 |
| | 10 | 67271 | 67515 | 67759 | 68003 | 68246 | 68490 | 68734 | 68978 | 69221 | 69465 | 69709 | | 80 |
| | 20 | 69709 | 69952 | 70196 | 70439 | 70683 | 70927 | 71170 | 71414 | 71657 | 71901 | 72144 | | 70 |
| | 30 | 72144 | 72388 | 72631 | 72875 | 73118 | 73362 | 73605 | 73849 | 74092 | 74335 | 74579 | | 60 |
| | 40 | 74579 | 74822 | 75066 | 75309 | 75552 | 75796 | 76039 | 76282 | 76525 | 76769 | 77012 | | 50 |
| | 50 | 77012 | 77255 | 77498 | 77742 | 77985 | 78228 | 78471 | 78714 | 78957 | 79201 | 79444 | | 40 |
| | 60 | 79444 | 79687 | 79930 | 80173 | 80416 | 80659 | 80902 | 81145 | 81388 | 81631 | 81874 | | 30 |
| | 70 | 81874 | 82117 | 82360 | 82603 | 82846 | 83089 | 83332 | 83574 | 83817 | 84060 | 84303 | | 20 |
| | 80 | 84303 | 84546 | 84789 | 85031 | 85274 | 85517 | 85760 | 86002 | 86245 | 86488 | 86731 | | 10 |
| | 90 | 86731 | 86973 | 87216 | 87459 | 87701 | 87944 | 88186 | 88429 | 88672 | 88914 | 89157 | **21** | **00** |
| **79** | **00** | 8.44 89157 | 89399 | 89642 | 89884 | 90127 | 90369 | 90612 | 90854 | 91097 | 91339 | 91582 | | 90 |
| | 10 | 91582 | 91824 | 92067 | 92309 | 92551 | 92794 | 93036 | 93278 | 93521 | 93763 | 94005 | | 80 |
| | 20 | 94005 | 94248 | 94490 | 94732 | 94974 | 95217 | 95459 | 95701 | 95943 | 96185 | 96427 | | 70 |
| | 30 | 96427 | 96670 | 96912 | 97154 | 97396 | 97638 | 97880 | 98122 | 98364 | 98606 | 98848 | | 60 |
| | 40 | 8.44 98848 | 99090 | 99332 | 99574 | 99816 | *00058 | *00300 | *00542 | *00784 | *01026 | *01268 | | 50 |
| | 50 | 8.45 01268 | 01510 | 01752 | 01993 | 02235 | 02477 | 02719 | 02961 | 03202 | 03444 | 03686 | | 40 |
| | 60 | 03686 | 03928 | 04169 | 04411 | 04653 | 04895 | 05136 | 05378 | 05620 | 05861 | 06103 | | 30 |
| | 70 | 06103 | 06344 | 06586 | 06828 | 07069 | 07311 | 07552 | 07794 | 08035 | 08277 | 08518 | | 20 |
| | 80 | 08518 | 08760 | 09001 | 09243 | 09484 | 09725 | 09967 | 10208 | 10450 | 10691 | 10932 | | 10 |
| | 90 | 8.45 10932 | 11174 | 11415 | 11656 | 11898 | 12139 | 12380 | 12621 | 12863 | 13104 | 13345 | **20** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $98^g\,20^c$ — log cos $98^g\,25^c$

## log tg $1^g\,75^c$ — log tg $1^g\,80^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | c | cc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **75** | **oo** | 8.43 92673 | 92922 | 93170 | 93418 | 93666 | 93915 | 94163 | 94411 | 94659 | 94907 | 95156 | | 90 |
| | 10 | 95156 | 95404 | 95652 | 95900 | 96148 | 96396 | 96644 | 96892 | 97140 | 97388 | 97636 | | 80 |
| | 20 | 8.43 97636 | 97884 | 98132 | 98380 | 98628 | 98876 | 99124 | 99372 | 99620 | 99868 | *00116 | | 70 |
| | 30 | 8.44 00116 | 00364 | 00611 | 00859 | 01107 | 01355 | 01603 | 01851 | 02098 | 02346 | 02594 | | 60 |
| | 40 | 02594 | 02841 | 03089 | 03337 | 03585 | 03832 | 04080 | 04328 | 04575 | 04823 | 05070 | | 50 |
| | 50 | 05070 | 05318 | 05565 | 05813 | 06061 | 06308 | 06556 | 06803 | 07051 | 07298 | 07545 | | 40 |
| | 60 | 07545 | 07793 | 08040 | 08288 | 08535 | 08783 | 09030 | 09277 | 09525 | 09772 | 10019 | | 30 |
| | 70 | 10019 | 10267 | 10514 | 10761 | 11008 | 11256 | 11503 | 11750 | 11997 | 12244 | 12492 | | 20 |
| | 80 | 12492 | 12739 | 12986 | 13233 | 13480 | 13727 | 13974 | 14221 | 14468 | 14716 | 14963 | | 10 |
| | 90 | 14963 | 15210 | 15457 | 15704 | 15951 | 16197 | 16444 | 16691 | 16938 | 17185 | 17432 | **24** | **oo** |
| **76** | **oo** | 8.44 17432 | 17679 | 17926 | 18173 | 18420 | 18666 | 18913 | 19160 | 19407 | 19653 | 19900 | | 90 |
| | 10 | 19900 | 20147 | 20394 | 20640 | 20887 | 21134 | 21380 | 21627 | 21874 | 22120 | 22367 | | 80 |
| | 20 | 22367 | 22614 | 22860 | 23107 | 23353 | 23600 | 23846 | 24093 | 24339 | 24586 | 24832 | | 70 |
| | 30 | 24832 | 25079 | 25325 | 25572 | 25818 | 26064 | 26311 | 26557 | 26804 | 27050 | 27296 | | 60 |
| | 40 | 27296 | 27543 | 27789 | 28035 | 28281 | 28528 | 28774 | 29020 | 29266 | 29513 | 29759 | | 50 |
| | 50 | 29759 | 30005 | 30251 | 30497 | 30743 | 30990 | 31236 | 31482 | 31728 | 31974 | 32220 | | 40 |
| | 60 | 32220 | 32466 | 32712 | 32958 | 33204 | 33450 | 33696 | 33942 | 34188 | 34434 | 34680 | | 30 |
| | 70 | 34680 | 34926 | 35172 | 35417 | 35663 | 35909 | 36155 | 36401 | 36647 | 36892 | 37138 | | 20 |
| | 80 | 37138 | 37384 | 37630 | 37875 | 38121 | 38367 | 38612 | 38858 | 39104 | 39349 | 39595 | | 10 |
| | 90 | 39595 | 39841 | 40086 | 40332 | 40577 | 40823 | 41069 | 41314 | 41560 | 41805 | 42051 | **23** | **oo** |
| **77** | **oo** | 8.44 42051 | 42296 | 42542 | 42787 | 43033 | 43278 | 43523 | 43769 | 44014 | 44260 | 44505 | | 90 |
| | 10 | 44505 | 44750 | 44996 | 45241 | 45486 | 45731 | 45977 | 46222 | 46467 | 46713 | 46958 | | 80 |
| | 20 | 46958 | 47203 | 47448 | 47693 | 47938 | 48184 | 48429 | 48674 | 48919 | 49164 | 49409 | | 70 |
| | 30 | 49409 | 49654 | 49899 | 50144 | 50389 | 50634 | 50879 | 51124 | 51369 | 51614 | 51859 | | 60 |
| | 40 | 51859 | 52104 | 52349 | 52594 | 52839 | 53084 | 53329 | 53573 | 53818 | 54063 | 54308 | | 50 |
| | 50 | 54308 | 54553 | 54798 | 55042 | 55287 | 55532 | 55776 | 56021 | 56266 | 56511 | 56755 | | 40 |
| | 60 | 56755 | 57000 | 57245 | 57489 | 57734 | 57978 | 58223 | 58468 | 58712 | 58957 | 59201 | | 30 |
| | 70 | 59201 | 59446 | 59690 | 59935 | 60179 | 60424 | 60668 | 60913 | 61157 | 61401 | 61646 | | 20 |
| | 80 | 61646 | 61890 | 62134 | 62379 | 62623 | 62867 | 63112 | 63356 | 63600 | 63845 | 64089 | | 10 |
| | 90 | 64089 | 64333 | 64577 | 64822 | 65066 | 65310 | 65554 | 65798 | 66042 | 66287 | 66531 | **22** | **oo** |
| **78** | **oo** | 8.44 66531 | 66775 | 67019 | 67263 | 67507 | 67751 | 67995 | 68239 | 68483 | 68727 | 68971 | | 90 |
| | 10 | 68971 | 69215 | 69459 | 69703 | 69947 | 70191 | 70435 | 70679 | 70923 | 71166 | 71410 | | 80 |
| | 20 | 71410 | 71654 | 71898 | 72142 | 72385 | 72629 | 72873 | 73117 | 73361 | 73604 | 73848 | | 70 |
| | 30 | 73848 | 74092 | 74335 | 74579 | 74823 | 75066 | 75310 | 75554 | 75797 | 76041 | 76284 | | 60 |
| | 40 | 76284 | 76528 | 76771 | 77015 | 77258 | 77502 | 77745 | 77989 | 78232 | 78476 | 78719 | | 50 |
| | 50 | 78719 | 78963 | 79206 | 79450 | 79693 | 79936 | 80180 | 80423 | 80666 | 80910 | 81153 | | 40 |
| | 60 | 81153 | 81396 | 81639 | 81883 | 82126 | 82369 | 82612 | 82856 | 83099 | 83342 | 83585 | | 30 |
| | 70 | 83585 | 83828 | 84071 | 84315 | 84558 | 84801 | 85044 | 85287 | 85530 | 85773 | 86016 | | 20 |
| | 80 | 86016 | 86259 | 86502 | 86745 | 86988 | 87231 | 87474 | 87717 | 87960 | 88203 | 88446 | | 10 |
| | 90 | 88446 | 88688 | 88931 | 89174 | 89417 | 89660 | 89903 | 90145 | 90388 | 90631 | 90874 | **21** | **oo** |
| **79** | **oo** | 8.44 90874 | 91117 | 91359 | 91602 | 91845 | 92087 | 92330 | 92573 | 92815 | 93058 | 93301 | | 90 |
| | 10 | 93301 | 93543 | 93786 | 94028 | 94271 | 94514 | 94756 | 94999 | 95241 | 95484 | 95726 | | 80 |
| | 20 | 95726 | 95969 | 96211 | 96453 | 96696 | 96938 | 97181 | 97423 | 97665 | 97908 | 98150 | | 70 |
| | 30 | 8.44 98150 | 98393 | 98635 | 98877 | 99119 | 99362 | 99604 | 99846 | *00089 | *00331 | *00573 | | 60 |
| | 40 | 8.45 00573 | 00815 | 01057 | 01300 | 01542 | 01784 | 02026 | 02268 | 02510 | 02752 | 02994 | | 50 |
| | 50 | 02994 | 03236 | 03479 | 03721 | 03963 | 04205 | 04447 | 04689 | 04931 | 05173 | 05414 | | 40 |
| | 60 | 05414 | 05656 | 05898 | 06140 | 06382 | 06624 | 06866 | 07108 | 07350 | 07591 | 07833 | | 30 |
| | 70 | 07833 | 08075 | 08317 | 08559 | 08800 | 09042 | 09284 | 09526 | 09767 | 10009 | 10251 | | 20 |
| | 80 | 10251 | 10492 | 10734 | 10976 | 11217 | 11459 | 11700 | 11942 | 12184 | 12425 | 12667 | | 10 |
| | 90 | 8.45 12667 | 12908 | 13150 | 13391 | 13633 | 13874 | 14116 | 14357 | 14599 | 14840 | 15081 | **20** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $98^g\,20^c$ — log ctg $98^g\,25^c$

## log sin $1^g\,80^c$ — log sin $1^g\,85^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **80** | **oo** | 8.45 13345 | 13586 | 13828 | 14069 | 14310 | 14551 | 14792 | 15033 | 15274 | 15516 | 15757 | | 90 |
| | 10 | 15757 | 15998 | 16239 | 16480 | 16721 | 16962 | 17203 | 17444 | 17685 | 17926 | 18167 | | 80 |
| | 20 | 18167 | 18408 | 18649 | 18889 | 19130 | 19371 | 19612 | 19853 | 20094 | 20335 | 20575 | | 70 |
| | 30 | 20575 | 20816 | 21057 | 21298 | 21539 | 21779 | 22020 | 22261 | 22501 | 22742 | 22983 | | 60 |
| | 40 | 22983 | 23224 | 23464 | 23705 | 23945 | 24186 | 24427 | 24667 | 24908 | 25148 | 25389 | | 50 |
| | 50 | 25389 | 25629 | 25870 | 26111 | 26351 | 26591 | 26832 | 27072 | 27313 | 27553 | 27794 | | 40 |
| | 60 | 27794 | 28034 | 28274 | 28515 | 28755 | 28996 | 29236 | 29476 | 29717 | 29957 | 30197 | | 30 |
| | 70 | 30197 | 30437 | 30678 | 30918 | 31158 | 31398 | 31639 | 31879 | 32119 | 32359 | 32599 | | 20 |
| | 80 | 32599 | 32839 | 33079 | 33320 | 33560 | 33800 | 34040 | 34280 | 34520 | 34760 | 35000 | | 10 |
| | 90 | 35000 | 35240 | 35480 | 35720 | 35960 | 36200 | 36440 | 36680 | 36920 | 37160 | 37399 | **19** | **oo** |
| **81** | **oo** | 8.45 37399 | 37639 | 37879 | 38119 | 38359 | 38599 | 38838 | 39078 | 39318 | 39558 | 39798 | | 90 |
| | 10 | 39798 | 40037 | 40277 | 40517 | 40756 | 40996 | 41236 | 41475 | 41715 | 41955 | 42194 | | 80 |
| | 20 | 42194 | 42434 | 42673 | 42913 | 43153 | 43392 | 43632 | 43871 | 44111 | 44350 | 44590 | | 70 |
| | 30 | 44590 | 44829 | 45069 | 45308 | 45548 | 45787 | 46026 | 46266 | 46505 | 46745 | 46984 | | 60 |
| | 40 | 46984 | 47223 | 47463 | 47702 | 47941 | 48180 | 48420 | 48659 | 48898 | 49137 | 49377 | | 50 |
| | 50 | 49377 | 49616 | 49855 | 50094 | 50333 | 50573 | 50812 | 51051 | 51290 | 51529 | 51768 | | 40 |
| | 60 | 51768 | 52007 | 52246 | 52485 | 52724 | 52963 | 53202 | 53441 | 53680 | 53919 | 54158 | | 30 |
| | 70 | 54158 | 54397 | 54636 | 54875 | 55114 | 55353 | 55592 | 55831 | 56070 | 56308 | 56547 | | 20 |
| | 80 | 56547 | 56786 | 57025 | 57264 | 57502 | 57741 | 57980 | 58219 | 58457 | 58696 | 58935 | | 10 |
| | 90 | 58935 | 59173 | 59412 | 59651 | 59889 | 60128 | 60367 | 60605 | 60844 | 61082 | 61321 | **18** | **oo** |
| **82** | **oo** | 8.45 61321 | 61560 | 61798 | 62037 | 62275 | 62514 | 62752 | 62991 | 63229 | 63468 | 63706 | | 90 |
| | 10 | 63706 | 63944 | 64183 | 64421 | 64660 | 64898 | 65136 | 65375 | 65613 | 65851 | 66090 | | 80 |
| | 20 | 66090 | 66328 | 66566 | 66804 | 67043 | 67281 | 67519 | 67757 | 67996 | 68234 | 68472 | | 70 |
| | 30 | 68472 | 68710 | 68948 | 69186 | 69424 | 69663 | 69901 | 70139 | 70377 | 70615 | 70853 | | 60 |
| | 40 | 70853 | 71091 | 71329 | 71567 | 71805 | 72043 | 72281 | 72519 | 72757 | 72995 | 73233 | | 50 |
| | 50 | 73233 | 73471 | 73708 | 73946 | 74184 | 74422 | 74660 | 74898 | 75135 | 75373 | 75611 | | 40 |
| | 60 | 75611 | 75849 | 76087 | 76324 | 76562 | 76800 | 77037 | 77275 | 77513 | 77750 | 77988 | | 30 |
| | 70 | 77988 | 78226 | 78463 | 78701 | 78939 | 79176 | 79414 | 79651 | 79889 | 80126 | 80364 | | 20 |
| | 80 | 80364 | 80601 | 80839 | 81076 | 81314 | 81551 | 81789 | 82026 | 82264 | 82501 | 82738 | | 10 |
| | 90 | 82738 | 82976 | 83213 | 83450 | 83688 | 83925 | 84162 | 84400 | 84637 | 84874 | 85112 | **17** | **oo** |
| **83** | **oo** | 8.45 85112 | 85349 | 85586 | 85823 | 86060 | 86298 | 86535 | 86772 | 87009 | 87246 | 87483 | | 90 |
| | 10 | 87483 | 87721 | 87958 | 88195 | 88432 | 88669 | 88906 | 89143 | 89380 | 89617 | 89854 | | 80 |
| | 20 | 89854 | 90091 | 90328 | 90565 | 90802 | 91039 | 91276 | 91513 | 91750 | 91986 | 92223 | | 70 |
| | 30 | 92223 | 92460 | 92697 | 92934 | 93171 | 93408 | 93644 | 93881 | 94118 | 94355 | 94591 | | 60 |
| | 40 | 94591 | 94828 | 95065 | 95301 | 95538 | 95775 | 96012 | 96248 | 96485 | 96721 | 96958 | | 50 |
| | 50 | 96958 | 97195 | 97431 | 97668 | 97904 | 98141 | 98377 | 98614 | 98851 | 99087 | 99323 | | 40 |
| | 60 | 8.45 99323 | 99560 | 99796 | *00033 | *00269 | *00506 | *00742 | *00979 | *01215 | *01451 | *01688 | | 30 |
| | 70 | 8.46 01688 | 01924 | 02160 | 02397 | 02633 | 02869 | 03105 | 03342 | 03578 | 03814 | 04050 | | 20 |
| | 80 | 04050 | 04287 | 04523 | 04759 | 04995 | 05231 | 05468 | 05704 | 05940 | 06176 | 06412 | | 10 |
| | 90 | 06412 | 06648 | 06884 | 07120 | 07356 | 07592 | 07828 | 08064 | 08300 | 08536 | 08772 | **16** | **oo** |
| **84** | **oo** | 8.46 08772 | 09008 | 09244 | 09480 | 09716 | 09952 | 10188 | 10424 | 10660 | 10895 | 11131 | | 90 |
| | 10 | 11131 | 11367 | 11603 | 11839 | 12075 | 12310 | 12546 | 12782 | 13018 | 13253 | 13489 | | 80 |
| | 20 | 13489 | 13725 | 13960 | 14196 | 14432 | 14667 | 14903 | 15139 | 15374 | 15610 | 15845 | | 70 |
| | 30 | 15845 | 16081 | 16317 | 16552 | 16788 | 17023 | 17259 | 17494 | 17730 | 17965 | 18201 | | 60 |
| | 40 | 18201 | 18436 | 18672 | 18907 | 19142 | 19378 | 19613 | 19848 | 20084 | 20319 | 20555 | | 50 |
| | 50 | 20555 | 20790 | 21025 | 21260 | 21496 | 21731 | 21966 | 22201 | 22437 | 22672 | 22907 | | 40 |
| | 60 | 22907 | 23142 | 23377 | 23613 | 23848 | 24083 | 24318 | 24553 | 24788 | 25023 | 25258 | | 30 |
| | 70 | 25258 | 25494 | 25729 | 25964 | 26199 | 26434 | 26669 | 26904 | 27139 | 27374 | 27608 | | 20 |
| | 80 | 27608 | 27843 | 28078 | 28313 | 28548 | 28783 | 29018 | 29253 | 29488 | 29722 | 29957 | | 10 |
| | 90 | 8.46 29957 | 30192 | 30427 | 30662 | 30896 | 31131 | 31366 | 31601 | 31835 | 32070 | 32305 | **15** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $98^g\,15^c$ — log cos $98^g\,20^c$

## log tg $1^g\,80^c$ — log tg $1^g\,85^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **80** | **oo** | 8.45 15081 | 15323 | 15564 | 15805 | 16047 | 16288 | 16530 | 16771 | 17012 | 17253 | 17495 | | 90 |
| | 10 | 17495 | 17736 | 17977 | 18218 | 18460 | 18701 | 18942 | 19183 | 19424 | 19666 | 19907 | | 80 |
| | 20 | 19907 | 20148 | 20389 | 20630 | 20871 | 21112 | 21353 | 21594 | 21835 | 22076 | 22317 | | 70 |
| | 30 | 22317 | 22558 | 22799 | 23040 | 23281 | 23522 | 23763 | 24004 | 24245 | 24486 | 24727 | | 60 |
| | 40 | 24727 | 24968 | 25208 | 25449 | 25690 | 25931 | 26172 | 26413 | 26653 | 26894 | 27135 | | 50 |
| | 50 | 27135 | 27376 | 27616 | 27857 | 28098 | 28338 | 28579 | 28820 | 29060 | 29301 | 29541 | | 40 |
| | 60 | 29541 | 29782 | 30023 | 30263 | 30504 | 30744 | 30985 | 31225 | 31466 | 31706 | 31947 | | 30 |
| | 70 | 31947 | 32187 | 32428 | 32668 | 32909 | 33149 | 33389 | 33630 | 33870 | 34111 | 34351 | | 20 |
| | 80 | 34351 | 34591 | 34832 | 35072 | 35312 | 35552 | 35793 | 36033 | 36273 | 36513 | 36754 | | 10 |
| | 90 | 36754 | 36994 | 37234 | 37474 | 37714 | 37954 | 38195 | 38435 | 38675 | 38915 | 39155 | **19** | **oo** |
| **81** | **oo** | 8.45 39155 | 39395 | 39635 | 39875 | 40115 | 40355 | 40595 | 40835 | 41075 | 41315 | 41555 | | 90 |
| | 10 | 41555 | 41795 | 42035 | 42275 | 42515 | 42755 | 42994 | 43234 | 43474 | 43714 | 43954 | | 80 |
| | 20 | 43954 | 44194 | 44433 | 44673 | 44913 | 45153 | 45392 | 45632 | 45872 | 46111 | 46351 | | 70 |
| | 30 | 46351 | 46591 | 46830 | 47070 | 47310 | 47549 | 47789 | 48029 | 48268 | 48508 | 48747 | | 60 |
| | 40 | 48747 | 48987 | 49226 | 49466 | 49705 | 49945 | 50184 | 50424 | 50663 | 50903 | 51142 | | 50 |
| | 50 | 51142 | 51381 | 51621 | 51860 | 52099 | 52339 | 52578 | 52818 | 53057 | 53296 | 53535 | | 40 |
| | 60 | 53535 | 53775 | 54014 | 54253 | 54492 | 54732 | 54971 | 55210 | 55449 | 55688 | 55928 | | 30 |
| | 70 | 55928 | 56167 | 56406 | 56645 | 56884 | 57123 | 57362 | 57601 | 57840 | 58079 | 58318 | | 20 |
| | 80 | 58318 | 58557 | 58796 | 59035 | 59274 | 59513 | 59752 | 59991 | 60230 | 60469 | 60708 | | 10 |
| | 90 | 60708 | 60947 | 61186 | 61424 | 61663 | 61902 | 62141 | 62380 | 62619 | 62857 | 63096 | **18** | **oo** |
| **82** | **oo** | 8.45 63096 | 63335 | 63574 | 63812 | 64051 | 64290 | 64528 | 64767 | 65006 | 65244 | 65483 | | 90 |
| | 10 | 65483 | 65722 | 65960 | 66199 | 66437 | 66676 | 66914 | 67153 | 67391 | 67630 | 67868 | | 80 |
| | 20 | 67868 | 68107 | 68345 | 68584 | 68822 | 69061 | 69299 | 69538 | 69776 | 70014 | 70253 | | 70 |
| | 30 | 70253 | 70491 | 70729 | 70968 | 71206 | 71444 | 71683 | 71921 | 72159 | 72397 | 72636 | | 60 |
| | 40 | 72636 | 72874 | 73112 | 73350 | 73589 | 73827 | 74065 | 74303 | 74541 | 74779 | 75017 | | 50 |
| | 50 | 75017 | 75255 | 75494 | 75732 | 75970 | 76208 | 76446 | 76684 | 76922 | 77160 | 77398 | | 40 |
| | 60 | 77398 | 77636 | 77874 | 78112 | 78349 | 78587 | 78825 | 79063 | 79301 | 79539 | 79777 | | 30 |
| | 70 | 79777 | 80015 | 80252 | 80490 | 80728 | 80966 | 81204 | 81441 | 81679 | 81917 | 82155 | | 20 |
| | 80 | 82155 | 82392 | 82630 | 82868 | 83105 | 83343 | 83581 | 83818 | 84056 | 84293 | 84531 | | 10 |
| | 90 | 84531 | 84769 | 85006 | 85244 | 85481 | 85719 | 85956 | 86194 | 86431 | 86669 | 86906 | **17** | **oo** |
| **83** | **oo** | 8.45 86906 | 87144 | 87381 | 87618 | 87856 | 88093 | 88331 | 88568 | 88805 | 89043 | 89280 | | 90 |
| | 10 | 89280 | 89517 | 89755 | 89992 | 90229 | 90466 | 90704 | 90941 | 91178 | 91415 | 91653 | | 80 |
| | 20 | 91653 | 91890 | 92127 | 92364 | 92601 | 92838 | 93075 | 93313 | 93550 | 93787 | 94024 | | 70 |
| | 30 | 94024 | 94261 | 94498 | 94735 | 94972 | 95209 | 95446 | 95683 | 95920 | 96157 | 96394 | | 60 |
| | 40 | 96394 | 96631 | 96868 | 97104 | 97341 | 97578 | 97815 | 98052 | 98289 | 98526 | 98762 | | 50 |
| | 50 | 8.45 98762 | 98999 | 99236 | 99473 | 99710 | 99946 | *00183 | *00420 | *00656 | *00893 | *01130 | | 40 |
| | 60 | 8.46 01130 | 01367 | 01603 | 01840 | 02076 | 02313 | 02550 | 02786 | 03023 | 03259 | 03496 | | 30 |
| | 70 | 03496 | 03732 | 03969 | 04206 | 04442 | 04679 | 04915 | 05151 | 05388 | 05624 | 05861 | | 20 |
| | 80 | 05861 | 06097 | 06334 | 06570 | 06806 | 07043 | 07279 | 07515 | 07752 | 07988 | 08224 | | 10 |
| | 90 | 08224 | 08461 | 08697 | 08933 | 09169 | 09406 | 09642 | 09878 | 10114 | 10350 | 10587 | **16** | **oo** |
| **84** | **oo** | 8.46 10587 | 10823 | 11059 | 11295 | 11531 | 11767 | 12003 | 12239 | 12475 | 12711 | 12948 | | 90 |
| | 10 | 12948 | 13184 | 13420 | 13656 | 13892 | 14128 | 14363 | 14599 | 14835 | 15071 | 15307 | | 80 |
| | 20 | 15307 | 15543 | 15779 | 16015 | 16251 | 16487 | 16722 | 16958 | 17194 | 17430 | 17666 | | 70 |
| | 30 | 17666 | 17901 | 18137 | 18373 | 18609 | 18844 | 19080 | 19316 | 19551 | 19787 | 20023 | | 60 |
| | 40 | 20023 | 20258 | 20494 | 20730 | 20965 | 21201 | 21436 | 21672 | 21908 | 22143 | 22379 | | 50 |
| | 50 | 22379 | 22614 | 22850 | 23085 | 23321 | 23556 | 23792 | 24027 | 24262 | 24498 | 24733 | | 40 |
| | 60 | 24733 | 24969 | 25204 | 25439 | 25675 | 25910 | 26145 | 26381 | 26616 | 26851 | 27086 | | 30 |
| | 70 | 27086 | 27322 | 27557 | 27792 | 28027 | 28263 | 28498 | 28733 | 28968 | 29203 | 29439 | | 20 |
| | 80 | 29439 | 29674 | 29909 | 30144 | 30379 | 30614 | 30849 | 31084 | 31319 | 31554 | 31789 | | 10 |
| | 90 | 8.46 31789 | 32024 | 32259 | 32494 | 32729 | 32964 | 33199 | 33434 | 33669 | 33904 | 34139 | **15** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $98^g\,15^c$ — log ctg $98^g\,20^c$

## log sin $1^g\,85^c$ — log sin $1^g\,90^c$

| c | cc | | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **85** | **oo** | 8.46 | 32305 | 32539 | 32774 | 33009 | 33243 | 33478 | 33713 | 33947 | 34182 | 34416 | 34651 | 90 |
| | 10 | | 34651 | 34886 | 35120 | 35355 | 35589 | 35824 | 36058 | 36293 | 36527 | 36762 | 36996 | 80 |
| | 20 | | 36996 | 37230 | 37465 | 37699 | 37934 | 38168 | 38402 | 38637 | 38871 | 39105 | 39340 | 70 |
| | 30 | | 39340 | 39574 | 39808 | 40043 | 40277 | 40511 | 40745 | 40980 | 41214 | 41448 | 41682 | 60 |
| | 40 | | 41682 | 41916 | 42150 | 42385 | 42619 | 42853 | 43087 | 43321 | 43555 | 43789 | 44023 | 50 |
| | 50 | | 44023 | 44257 | 44491 | 44725 | 44959 | 45193 | 45427 | 45661 | 45895 | 46129 | 46363 | 40 |
| | 60 | | 46363 | 46597 | 46831 | 47065 | 47299 | 47533 | 47767 | 48000 | 48234 | 48468 | 48702 | 30 |
| | 70 | | 48702 | 48936 | 49169 | 49403 | 49637 | 49871 | 50104 | 50338 | 50572 | 50806 | 51039 | 20 |
| | 80 | | 51039 | 51273 | 51507 | 51740 | 51974 | 52208 | 52441 | 52675 | 52908 | 53142 | 53375 | 10 |
| | 90 | | 53375 | 53609 | 53843 | 54076 | 54310 | 54543 | 54777 | 55010 | 55243 | 55477 | 55710 | **14 oo** |
| **86** | **oo** | 8.46 | 55710 | 55944 | 56177 | 56411 | 56644 | 56877 | 57111 | 57344 | 57577 | 57811 | 58044 | 90 |
| | 10 | | 58044 | 58277 | 58511 | 58744 | 58977 | 59210 | 59444 | 59677 | 59910 | 60143 | 60376 | 80 |
| | 20 | | 60376 | 60609 | 60843 | 61076 | 61309 | 61542 | 61775 | 62008 | 62241 | 62474 | 62707 | 70 |
| | 30 | | 62707 | 62940 | 63174 | 63407 | 63640 | 63873 | 64106 | 64338 | 64571 | 64804 | 65037 | 60 |
| | 40 | | 65037 | 65270 | 65503 | 65736 | 65969 | 66202 | 66435 | 66667 | 66900 | 67133 | 67366 | 50 |
| | 50 | | 67366 | 67599 | 67831 | 68064 | 68297 | 68530 | 68762 | 68995 | 69228 | 69461 | 69693 | 40 |
| | 60 | | 69693 | 69926 | 70159 | 70391 | 70624 | 70856 | 71089 | 71322 | 71554 | 71787 | 72019 | 30 |
| | 70 | | 72019 | 72252 | 72484 | 72717 | 72949 | 73182 | 73414 | 73647 | 73879 | 74112 | 74344 | 20 |
| | 80 | | 74344 | 74577 | 74809 | 75041 | 75274 | 75506 | 75739 | 75971 | 76203 | 76436 | 76668 | 10 |
| | 90 | | 76668 | 76900 | 77132 | 77365 | 77597 | 77829 | 78061 | 78294 | 78526 | 78758 | 78990 | **13 oo** |
| **87** | **oo** | 8.46 | 78990 | 79222 | 79455 | 79687 | 79919 | 80151 | 80383 | 80615 | 80847 | 81079 | 81311 | 90 |
| | 10 | | 81311 | 81543 | 81776 | 82008 | 82240 | 82472 | 82704 | 82935 | 83167 | 83399 | 83631 | 80 |
| | 20 | | 83631 | 83863 | 84095 | 84327 | 84559 | 84791 | 85023 | 85255 | 85486 | 85718 | 85950 | 70 |
| | 30 | | 85950 | 86182 | 86414 | 86645 | 86877 | 87109 | 87341 | 87572 | 87804 | 88036 | 88267 | 60 |
| | 40 | | 88267 | 88499 | 88731 | 88962 | 89194 | 89426 | 89657 | 89889 | 90120 | 90352 | 90584 | 50 |
| | 50 | | 90584 | 90815 | 91047 | 91278 | 91510 | 91741 | 91973 | 92204 | 92436 | 92667 | 92899 | 40 |
| | 60 | | 92899 | 93130 | 93361 | 93593 | 93824 | 94056 | 94287 | 94518 | 94750 | 94981 | 95212 | 30 |
| | 70 | | 95212 | 95444 | 95675 | 95906 | 96137 | 96369 | 96600 | 96831 | 97062 | 97294 | 97525 | 20 |
| | 80 | | 97525 | 97756 | 97987 | 98218 | 98449 | 98681 | 98912 | 99143 | 99374 | 99605 | 99836 | 10 |
| | 90 | 8.46 | 99836 | *00067 | *00298 | *00529 | *00760 | *00991 | *01222 | *01453 | *01684 | *01915 | *02146 | **12 oo** |
| **88** | **oo** | 8.47 | 02146 | 02377 | 02608 | 02839 | 03070 | 03301 | 03531 | 03762 | 03993 | 04224 | 04455 | 90 |
| | 10 | | 04455 | 04686 | 04916 | 05147 | 05378 | 05609 | 05839 | 06070 | 06301 | 06532 | 06762 | 80 |
| | 20 | | 06762 | 06993 | 07224 | 07454 | 07685 | 07916 | 08146 | 08377 | 08608 | 08838 | 09069 | 70 |
| | 30 | | 09069 | 09299 | 09530 | 09760 | 09991 | 10221 | 10452 | 10682 | 10913 | 11143 | 11374 | 60 |
| | 40 | | 11374 | 11604 | 11835 | 12065 | 12296 | 12526 | 12756 | 12987 | 13217 | 13447 | 13678 | 50 |
| | 50 | | 13678 | 13908 | 14138 | 14369 | 14599 | 14829 | 15059 | 15290 | 15520 | 15750 | 15980 | 40 |
| | 60 | | 15980 | 16211 | 16441 | 16671 | 16901 | 17131 | 17361 | 17592 | 17822 | 18052 | 18282 | 30 |
| | 70 | | 18282 | 18512 | 18742 | 18972 | 19202 | 19432 | 19662 | 19892 | 20122 | 20352 | 20582 | 20 |
| | 80 | | 20582 | 20812 | 21042 | 21272 | 21502 | 21732 | 21962 | 22191 | 22421 | 22651 | 22881 | 10 |
| | 90 | | 22881 | 23111 | 23341 | 23571 | 23800 | 24030 | 24260 | 24490 | 24719 | 24949 | 25179 | **11 oo** |
| **89** | **oo** | 8.47 | 25179 | 25409 | 25638 | 25868 | 26098 | 26327 | 26557 | 26787 | 27016 | 27246 | 27475 | 90 |
| | 10 | | 27475 | 27705 | 27935 | 28164 | 28394 | 28623 | 28853 | 29082 | 29312 | 29541 | 29771 | 80 |
| | 20 | | 29771 | 30000 | 30230 | 30459 | 30689 | 30918 | 31147 | 31377 | 31606 | 31836 | 32065 | 70 |
| | 30 | | 32065 | 32294 | 32524 | 32753 | 32982 | 33212 | 33441 | 33670 | 33899 | 34129 | 34358 | 60 |
| | 40 | | 34358 | 34587 | 34816 | 35045 | 35275 | 35504 | 35733 | 35962 | 36191 | 36420 | 36650 | 50 |
| | 50 | | 36650 | 36879 | 37108 | 37337 | 37566 | 37795 | 38024 | 38253 | 38482 | 38711 | 38940 | 40 |
| | 60 | | 38940 | 39169 | 39398 | 39627 | 39856 | 40085 | 40314 | 40543 | 40772 | 41000 | 41229 | 30 |
| | 70 | | 41229 | 41458 | 41687 | 41916 | 42145 | 42374 | 42602 | 42831 | 43060 | 43289 | 43517 | 20 |
| | 80 | | 43517 | 43746 | 43975 | 44204 | 44432 | 44661 | 44890 | 45118 | 45347 | 45576 | 45804 | 10 |
| | 90 | 8.47 | 45804 | 46033 | 46262 | 46490 | 46719 | 46947 | 47176 | 47404 | 47633 | 47862 | 48090 | **10 oo** |
| | | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $98^g\,10^c$ — log cos $98^g\,15^c$

## log tg $1^g\,85^c$ — log tg $1^g\,90^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **85** | **00** | 8.46 34139 | 34374 | 34609 | 34843 | 35078 | 35313 | 35548 | 35783 | 36017 | 36252 | 36487 | | 90 |
| | 10 | 36487 | 36722 | 36957 | 37191 | 37426 | 37661 | 37895 | 38130 | 38365 | 38599 | 38834 | | 80 |
| | 20 | 38834 | 39069 | 39303 | 39538 | 39772 | 40007 | 40242 | 40476 | 40711 | 40945 | 41180 | | 70 |
| | 30 | 41180 | 41414 | 41649 | 41883 | 42118 | 42352 | 42586 | 42821 | 43055 | 43290 | 43524 | | 60 |
| | 40 | 43524 | 43758 | 43993 | 44227 | 44462 | 44696 | 44930 | 45164 | 45399 | 45633 | 45867 | | 50 |
| | 50 | 45867 | 46102 | 46336 | 46570 | 46804 | 47038 | 47273 | 47507 | 47741 | 47975 | 48209 | | 40 |
| | 60 | 48209 | 48443 | 48677 | 48911 | 49146 | 49380 | 49614 | 49848 | 50082 | 50316 | 50550 | | 30 |
| | 70 | 50550 | 50784 | 51018 | 51252 | 51486 | 51720 | 51954 | 52188 | 52421 | 52655 | 52889 | | 20 |
| | 80 | 52889 | 53123 | 53357 | 53591 | 53825 | 54058 | 54292 | 54526 | 54760 | 54994 | 55227 | | 10 |
| | 90 | 55227 | 55461 | 55695 | 55929 | 56162 | 56396 | 56630 | 56863 | 57097 | 57331 | 57564 | **14** | **00** |
| **86** | **00** | 8.46 57564 | 57798 | 58031 | 58265 | 58499 | 58732 | 58966 | 59199 | 59433 | 59666 | 59900 | | 90 |
| | 10 | 59900 | 60133 | 60367 | 60600 | 60834 | 61067 | 61301 | 61534 | 61767 | 62001 | 62234 | | 80 |
| | 20 | 62234 | 62468 | 62701 | 62934 | 63168 | 63401 | 63634 | 63867 | 64101 | 64334 | 64567 | | 70 |
| | 30 | 64567 | 64801 | 65034 | 65267 | 65500 | 65733 | 65967 | 66200 | 66433 | 66666 | 66899 | | 60 |
| | 40 | 66899 | 67132 | 67365 | 67598 | 67832 | 68065 | 68298 | 68531 | 68764 | 68997 | 69230 | | 50 |
| | 50 | 69230 | 69463 | 69696 | 69929 | 70162 | 70395 | 70628 | 70860 | 71093 | 71326 | 71559 | | 40 |
| | 60 | 71559 | 71792 | 72025 | 72258 | 72491 | 72723 | 72956 | 73189 | 73422 | 73655 | 73887 | | 30 |
| | 70 | 73887 | 74120 | 74353 | 74585 | 74818 | 75051 | 75284 | 75516 | 75749 | 75982 | 76214 | | 20 |
| | 80 | 76214 | 76447 | 76679 | 76912 | 77145 | 77377 | 77610 | 77842 | 78075 | 78307 | 78540 | | 10 |
| | 90 | 78540 | 78772 | 79005 | 79237 | 79470 | 79702 | 79935 | 80167 | 80399 | 80632 | 80864 | **13** | **00** |
| **87** | **00** | 8.46 80864 | 81097 | 81329 | 81561 | 81794 | 82026 | 82258 | 82490 | 82723 | 82955 | 83187 | | 90 |
| | 10 | 83187 | 83420 | 83652 | 83884 | 84116 | 84348 | 84581 | 84813 | 85045 | 85277 | 85509 | | 80 |
| | 20 | 85509 | 85741 | 85973 | 86206 | 86438 | 86670 | 86902 | 87134 | 87366 | 87598 | 87830 | | 70 |
| | 30 | 87830 | 88062 | 88294 | 88526 | 88758 | 88990 | 89222 | 89454 | 89686 | 89917 | 90149 | | 60 |
| | 40 | 90149 | 90381 | 90613 | 90845 | 91077 | 91309 | 91540 | 91772 | 92004 | 92236 | 92468 | | 50 |
| | 50 | 92468 | 92699 | 92931 | 93163 | 93394 | 93626 | 93858 | 94090 | 94321 | 94553 | 94784 | | 40 |
| | 60 | 94784 | 95016 | 95248 | 95479 | 95711 | 95942 | 96174 | 96406 | 96637 | 96869 | 97100 | | 30 |
| | 70 | 97100 | 97332 | 97563 | 97795 | 98026 | 98258 | 98489 | 98720 | 98952 | 99183 | 99415 | | 20 |
| | 80 | 8.46 99415 | 99646 | 99877 | *00109 | *00340 | *00571 | *00803 | *01034 | *01265 | *01497 | *01728 | | 10 |
| | 90 | 8.47 01728 | 01959 | 02190 | 02422 | 02653 | 02884 | 03115 | 03347 | 03578 | 03809 | 04040 | **12** | **00** |
| **88** | **00** | 8.47 04040 | 04271 | 04502 | 04733 | 04964 | 05196 | 05427 | 05658 | 05889 | 06120 | 06351 | | 90 |
| | 10 | 06351 | 06582 | 06813 | 07044 | 07275 | 07506 | 07737 | 07968 | 08199 | 08429 | 08660 | | 80 |
| | 20 | 08660 | 08891 | 09122 | 09353 | 09584 | 09815 | 10046 | 10276 | 10507 | 10738 | 10969 | | 70 |
| | 30 | 10969 | 11199 | 11430 | 11661 | 11892 | 12122 | 12353 | 12584 | 12815 | 13045 | 13276 | | 60 |
| | 40 | 13276 | 13507 | 13737 | 13968 | 14198 | 14429 | 14660 | 14890 | 15121 | 15351 | 15582 | | 50 |
| | 50 | 15582 | 15812 | 16043 | 16273 | 16504 | 16734 | 16965 | 17195 | 17426 | 17656 | 17886 | | 40 |
| | 60 | 17886 | 18117 | 18347 | 18578 | 18808 | 19038 | 19269 | 19499 | 19729 | 19960 | 20190 | | 30 |
| | 70 | 20190 | 20420 | 20650 | 20881 | 21111 | 21341 | 21571 | 21802 | 22032 | 22262 | 22492 | | 20 |
| | 80 | 22492 | 22722 | 22952 | 23183 | 23413 | 23643 | 23873 | 24103 | 24333 | 24563 | 24793 | | 10 |
| | 90 | 24793 | 25023 | 25253 | 25483 | 25713 | 25943 | 26173 | 26403 | 26633 | 26863 | 27093 | **11** | **00** |
| **89** | **00** | 8.47 27093 | 27323 | 27553 | 27783 | 28013 | 28242 | 28472 | 28702 | 28932 | 29162 | 29392 | | 90 |
| | 10 | 29392 | 29621 | 29851 | 30081 | 30311 | 30540 | 30770 | 31000 | 31230 | 31459 | 31689 | | 80 |
| | 20 | 31689 | 31919 | 32148 | 32378 | 32608 | 32837 | 33067 | 33296 | 33526 | 33756 | 33985 | | 70 |
| | 30 | 33985 | 34215 | 34444 | 34674 | 34903 | 35133 | 35362 | 35592 | 35821 | 36051 | 36280 | | 60 |
| | 40 | 36280 | 36510 | 36739 | 36968 | 37198 | 37427 | 37657 | 37886 | 38115 | 38345 | 38574 | | 50 |
| | 50 | 38574 | 38803 | 39032 | 39262 | 39491 | 39720 | 39950 | 40179 | 40408 | 40637 | 40866 | | 40 |
| | 60 | 40866 | 41096 | 41325 | 41554 | 41783 | 42012 | 42241 | 42470 | 42700 | 42929 | 43158 | | 30 |
| | 70 | 43158 | 43387 | 43616 | 43845 | 44074 | 44303 | 44532 | 44761 | 44990 | 45219 | 45448 | | 20 |
| | 80 | 45448 | 45677 | 45906 | 46135 | 46364 | 46592 | 46821 | 47050 | 47279 | 47508 | 47737 | | 10 |
| | 90 | 8.47 47737 | 47966 | 48194 | 48423 | 48652 | 48881 | 49110 | 49338 | 49567 | 49796 | 50025 | **10** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $98^g\,10^c$ — log ctg $98^g\,15^c$

## log sin $1^g\,90^c$ — log sin $1^g\,95^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **90** | **oo** | 8.47 48090 | 48319 | 48547 | 48775 | 49004 | 49232 | 49461 | 49689 | 49918 | 50146 | 50375 | 90 |
| | 10 | 50375 | 50603 | 50831 | 51060 | 51288 | 51516 | 51745 | 51973 | 52201 | 52430 | 52658 | 80 |
| | 20 | 52658 | 52886 | 53114 | 53343 | 53571 | 53799 | 54027 | 54255 | 54484 | 54712 | 54940 | 70 |
| | 30 | 54940 | 55168 | 55396 | 55624 | 55852 | 56080 | 56309 | 56537 | 56765 | 56993 | 57221 | 60 |
| | 40 | 57221 | 57449 | 57677 | 57905 | 58133 | 58361 | 58589 | 58817 | 59045 | 59273 | 59500 | 50 |
| | 50 | 59500 | 59728 | 59956 | 60184 | 60412 | 60640 | 60868 | 61095 | 61323 | 61551 | 61779 | 40 |
| | 60 | 61779 | 62007 | 62234 | 62462 | 62690 | 62918 | 63145 | 63373 | 63601 | 63829 | 64056 | 30 |
| | 70 | 64056 | 64284 | 64512 | 64739 | 64967 | 65194 | 65422 | 65650 | 65877 | 66105 | 66332 | 20 |
| | 80 | 66332 | 66560 | 66787 | 67015 | 67242 | 67470 | 67697 | 67925 | 68152 | 68380 | 68607 | 10 |
| | 90 | 68607 | 68835 | 69062 | 69289 | 69517 | 69744 | 69972 | 70199 | 70426 | 70654 | 70881 | **09 oo** |
| **91** | **oo** | 8.47 70881 | 71108 | 71335 | 71563 | 71790 | 72017 | 72245 | 72472 | 72699 | 72926 | 73153 | 90 |
| | 10 | 73153 | 73381 | 73608 | 73835 | 74062 | 74289 | 74516 | 74743 | 74971 | 75198 | 75425 | 80 |
| | 20 | 75425 | 75652 | 75879 | 76106 | 76333 | 76560 | 76787 | 77014 | 77241 | 77468 | 77695 | 70 |
| | 30 | 77695 | 77922 | 78149 | 78376 | 78603 | 78829 | 79056 | 79283 | 79510 | 79737 | 79964 | 60 |
| | 40 | 79964 | 80191 | 80417 | 80644 | 80871 | 81098 | 81325 | 81551 | 81778 | 82005 | 82232 | 50 |
| | 50 | 82232 | 82458 | 82685 | 82912 | 83138 | 83365 | 83592 | 83818 | 84045 | 84272 | 84498 | 40 |
| | 60 | 84498 | 84725 | 84951 | 85178 | 85404 | 85631 | 85858 | 86084 | 86311 | 86537 | 86764 | 30 |
| | 70 | 86764 | 86990 | 87216 | 87443 | 87669 | 87896 | 88122 | 88349 | 88575 | 88801 | 89028 | 20 |
| | 80 | 89028 | 89254 | 89480 | 89707 | 89933 | 90159 | 90386 | 90612 | 90838 | 91065 | 91291 | 10 |
| | 90 | 91291 | 91517 | 91743 | 91969 | 92196 | 92422 | 92648 | 92874 | 93100 | 93327 | 93553 | **08 oo** |
| **92** | **oo** | 8.47 93553 | 93779 | 94005 | 94231 | 94457 | 94683 | 94909 | 95135 | 95361 | 95587 | 95813 | 90 |
| | 10 | 95813 | 96039 | 96265 | 96491 | 96717 | 96943 | 97169 | 97395 | 97621 | 97847 | 98073 | 80 |
| | 20 | 8.47 98073 | 98299 | 98525 | 98750 | 98976 | 99202 | 99428 | 99654 | 99880 | *00105 | *00331 | 70 |
| | 30 | 8.48 00331 | 00557 | 00783 | 01008 | 01234 | 01460 | 01686 | 01911 | 02137 | 02363 | 02588 | 60 |
| | 40 | 02588 | 02814 | 03040 | 03265 | 03491 | 03716 | 03942 | 04168 | 04393 | 04619 | 04844 | 50 |
| | 50 | 04844 | 05070 | 05295 | 05521 | 05746 | 05972 | 06197 | 06423 | 06648 | 06874 | 07099 | 40 |
| | 60 | 07099 | 07324 | 07550 | 07775 | 08001 | 08226 | 08451 | 08677 | 08902 | 09127 | 09353 | 30 |
| | 70 | 09353 | 09578 | 09803 | 10029 | 10254 | 10479 | 10704 | 10930 | 11155 | 11380 | 11605 | 20 |
| | 80 | 11605 | 11830 | 12056 | 12281 | 12506 | 12731 | 12956 | 13181 | 13406 | 13631 | 13856 | 10 |
| | 90 | 13856 | 14082 | 14307 | 14532 | 14757 | 14982 | 15207 | 15432 | 15657 | 15882 | 16107 | **07 oo** |
| **93** | **oo** | 8.48 16107 | 16332 | 16556 | 16781 | 17006 | 17231 | 17456 | 17681 | 17906 | 18131 | 18356 | 90 |
| | 10 | 18356 | 18580 | 18805 | 19030 | 19255 | 19480 | 19704 | 19929 | 20154 | 20379 | 20603 | 80 |
| | 20 | 20603 | 20828 | 21053 | 21277 | 21502 | 21727 | 21951 | 22176 | 22401 | 22625 | 22850 | 70 |
| | 30 | 22850 | 23075 | 23299 | 23524 | 23748 | 23973 | 24197 | 24422 | 24646 | 24871 | 25095 | 60 |
| | 40 | 25095 | 25320 | 25544 | 25769 | 25993 | 26218 | 26442 | 26667 | 26891 | 27115 | 27340 | 50 |
| | 50 | 27340 | 27564 | 27788 | 28013 | 28237 | 28461 | 28686 | 28910 | 29134 | 29359 | 29583 | 40 |
| | 60 | 29583 | 29807 | 30031 | 30256 | 30480 | 30704 | 30928 | 31152 | 31377 | 31601 | 31825 | 30 |
| | 70 | 31825 | 32049 | 32273 | 32497 | 32721 | 32945 | 33170 | 33394 | 33618 | 33842 | 34066 | 20 |
| | 80 | 34066 | 34290 | 34514 | 34738 | 34962 | 35186 | 35410 | 35634 | 35858 | 36081 | 36305 | 10 |
| | 90 | 36305 | 36529 | 36753 | 36977 | 37201 | 37425 | 37649 | 37872 | 38096 | 38320 | 38544 | **06 oo** |
| **94** | **oo** | 8.48 38544 | 38768 | 38991 | 39215 | 39439 | 39663 | 39886 | 40110 | 40334 | 40558 | 40781 | 90 |
| | 10 | 40781 | 41005 | 41229 | 41452 | 41676 | 41899 | 42123 | 42347 | 42570 | 42794 | 43017 | 80 |
| | 20 | 43017 | 43241 | 43465 | 43688 | 43912 | 44135 | 44359 | 44582 | 44806 | 45029 | 45253 | 70 |
| | 30 | 45253 | 45476 | 45699 | 45923 | 46146 | 46370 | 46593 | 46816 | 47040 | 47263 | 47486 | 60 |
| | 40 | 47486 | 47710 | 47933 | 48156 | 48380 | 48603 | 48826 | 49049 | 49273 | 49496 | 49719 | 50 |
| | 50 | 49719 | 49942 | 50166 | 50389 | 50612 | 50835 | 51058 | 51281 | 51505 | 51728 | 51951 | 40 |
| | 60 | 51951 | 52174 | 52397 | 52620 | 52843 | 53066 | 53289 | 53512 | 53735 | 53958 | 54181 | 30 |
| | 70 | 54181 | 54404 | 54627 | 54850 | 55073 | 55296 | 55519 | 55742 | 55965 | 56188 | 56411 | 20 |
| | 80 | 56411 | 56633 | 56856 | 57079 | 57302 | 57525 | 57748 | 57970 | 58193 | 58416 | 58639 | 10 |
| | 90 | 8.48 58639 | 58861 | 59084 | 59307 | 59530 | 59752 | 59975 | 60198 | 60420 | 60643 | 60866 | **05 oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

## log cos $98^g\,05^c$ — log cos $98^g\,10^c$

## log tg $1^g\,90^c$ — log tg $1^g\,95^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **90** | **oo** | 8.47 50025 | 50253 | 50482 | 50711 | 50939 | 51168 | 51397 | 51625 | 51854 | 52082 | 52311 | 90 |
| | 10 | 52311 | 52540 | 52768 | 52997 | 53225 | 53454 | 53682 | 53911 | 54139 | 54368 | 54596 | 80 |
| | 20 | 54596 | 54825 | 55053 | 55282 | 55510 | 55739 | 55967 | 56195 | 56424 | 56652 | 56880 | 70 |
| | 30 | 56880 | 57109 | 57337 | 57565 | 57794 | 58022 | 58250 | 58479 | 58707 | 58935 | 59163 | 60 |
| | 40 | 59163 | 59392 | 59620 | 59848 | 60076 | 60304 | 60533 | 60761 | 60989 | 61217 | 61445 | 50 |
| | 50 | 61445 | 61673 | 61901 | 62129 | 62357 | 62586 | 62814 | 63042 | 63270 | 63498 | 63726 | 40 |
| | 60 | 63726 | 63954 | 64182 | 64410 | 64638 | 64865 | 65093 | 65321 | 65549 | 65777 | 66005 | 30 |
| | 70 | 66005 | 66233 | 66461 | 66689 | 66916 | 67144 | 67372 | 67600 | 67828 | 68055 | 68283 | 20 |
| | 80 | 68283 | 68511 | 68739 | 68966 | 69194 | 69422 | 69649 | 69877 | 70105 | 70332 | 70560 | 10 |
| | 90 | 70560 | 70788 | 71015 | 71243 | 71470 | 71698 | 71926 | 72153 | 72381 | 72608 | 72836 | **09 oo** |
| **91** | **oo** | 8.47 72836 | 73063 | 73291 | 73518 | 73746 | 73973 | 74201 | 74428 | 74656 | 74883 | 75110 | 90 |
| | 10 | 75110 | 75338 | 75565 | 75792 | 76020 | 76247 | 76475 | 76702 | 76929 | 77156 | 77384 | 80 |
| | 20 | 77384 | 77611 | 77838 | 78066 | 78293 | 78520 | 78747 | 78974 | 79202 | 79429 | 79656 | 70 |
| | 30 | 79656 | 79883 | 80110 | 80337 | 80564 | 80792 | 81019 | 81246 | 81473 | 81700 | 81927 | 60 |
| | 40 | 81927 | 82154 | 82381 | 82608 | 82835 | 83062 | 83289 | 83516 | 83743 | 83970 | 84197 | 50 |
| | 50 | 84197 | 84424 | 84651 | 84877 | 85104 | 85331 | 85558 | 85785 | 86012 | 86239 | 86465 | 40 |
| | 60 | 86465 | 86692 | 86919 | 87146 | 87372 | 87599 | 87826 | 88053 | 88279 | 88506 | 88733 | 30 |
| | 70 | 88733 | 88960 | 89186 | 89413 | 89639 | 89866 | 90093 | 90319 | 90546 | 90773 | 90999 | 20 |
| | 80 | 90999 | 91226 | 91452 | 91679 | 91905 | 92132 | 92358 | 92585 | 92811 | 93038 | 93264 | 10 |
| | 90 | 93264 | 93491 | 93717 | 93943 | 94170 | 94396 | 94623 | 94849 | 95075 | 95302 | 95528 | **08 oo** |
| **92** | **oo** | 8.47 95528 | 95754 | 95981 | 96207 | 96433 | 96660 | 96886 | 97112 | 97338 | 97565 | 97791 | 90 |
| | 10 | 8.47 97791 | 98017 | 98243 | 98469 | 98696 | 98922 | 99148 | 99374 | 99600 | 99826 | *00052 | 80 |
| | 20 | 8.48 00052 | 00278 | 00505 | 00731 | 00957 | 01183 | 01409 | 01635 | 01861 | 02087 | 02313 | 70 |
| | 30 | 02313 | 02539 | 02765 | 02991 | 03217 | 03443 | 03668 | 03894 | 04120 | 04346 | 04572 | 60 |
| | 40 | 04572 | 04798 | 05024 | 05250 | 05475 | 05701 | 05927 | 06153 | 06379 | 06604 | 06830 | 50 |
| | 50 | 06830 | 07056 | 07281 | 07507 | 07733 | 07959 | 08184 | 08410 | 08636 | 08861 | 09087 | 40 |
| | 60 | 09087 | 09313 | 09538 | 09764 | 09989 | 10215 | 10440 | 10666 | 10892 | 11117 | 11343 | 30 |
| | 70 | 11343 | 11568 | 11794 | 12019 | 12245 | 12470 | 12695 | 12921 | 13146 | 13372 | 13597 | 20 |
| | 80 | 13597 | 13822 | 14048 | 14273 | 14499 | 14724 | 14949 | 15175 | 15400 | 15625 | 15850 | 10 |
| | 90 | 15850 | 16076 | 16301 | 16526 | 16751 | 16977 | 17202 | 17427 | 17652 | 17877 | 18103 | **07 oo** |
| **93** | **oo** | 8.48 18103 | 18328 | 18553 | 18778 | 19003 | 19228 | 19453 | 19678 | 19904 | 20129 | 20354 | 90 |
| | 10 | 20354 | 20579 | 20804 | 21029 | 21254 | 21479 | 21704 | 21929 | 22154 | 22379 | 22604 | 80 |
| | 20 | 22604 | 22828 | 23053 | 23278 | 23503 | 23728 | 23953 | 24178 | 24403 | 24627 | 24852 | 70 |
| | 30 | 24852 | 25077 | 25302 | 25527 | 25751 | 25976 | 26201 | 26426 | 26650 | 26875 | 27100 | 60 |
| | 40 | 27100 | 27324 | 27549 | 27774 | 27998 | 28223 | 28448 | 28672 | 28897 | 29122 | 29346 | 50 |
| | 50 | 29346 | 29571 | 29795 | 30020 | 30244 | 30469 | 30693 | 30918 | 31142 | 31367 | 31591 | 40 |
| | 60 | 31591 | 31816 | 32040 | 32265 | 32489 | 32714 | 32938 | 33162 | 33387 | 33611 | 33835 | 30 |
| | 70 | 33835 | 34060 | 34284 | 34508 | 34733 | 34957 | 35181 | 35406 | 35630 | 35854 | 36078 | 20 |
| | 80 | 36078 | 36303 | 36527 | 36751 | 36975 | 37199 | 37424 | 37648 | 37872 | 38096 | 38320 | 10 |
| | 90 | 38320 | 38544 | 38768 | 38992 | 39216 | 39441 | 39665 | 39889 | 40113 | 40337 | 40561 | **06 oo** |
| **94** | **oo** | 8.48 40561 | 40785 | 41009 | 41233 | 41457 | 41681 | 41904 | 42128 | 42352 | 42576 | 42800 | 90 |
| | 10 | 42800 | 43024 | 43248 | 43472 | 43696 | 43919 | 44143 | 44367 | 44591 | 44815 | 45038 | 80 |
| | 20 | 45038 | 45262 | 45486 | 45710 | 45933 | 46157 | 46381 | 46605 | 46828 | 47052 | 47276 | 70 |
| | 30 | 47276 | 47499 | 47723 | 47946 | 48170 | 48394 | 48617 | 48841 | 49064 | 49288 | 49512 | 60 |
| | 40 | 49512 | 49735 | 49959 | 50182 | 50406 | 50629 | 50853 | 51076 | 51300 | 51523 | 51746 | 50 |
| | 50 | 51746 | 51970 | 52193 | 52417 | 52640 | 52863 | 53087 | 53310 | 53533 | 53757 | 53980 | 40 |
| | 60 | 53980 | 54203 | 54427 | 54650 | 54873 | 55097 | 55320 | 55543 | 55766 | 55989 | 56213 | 30 |
| | 70 | 56213 | 56436 | 56659 | 56882 | 57105 | 57328 | 57552 | 57775 | 57998 | 58221 | 58444 | 20 |
| | 80 | 58444 | 58667 | 58890 | 59113 | 59336 | 59559 | 59782 | 60005 | 60228 | 60451 | 60674 | 10 |
| | 90 | 8.48 60674 | 60897 | 61120 | 61343 | 61566 | 61789 | 62012 | 62235 | 62458 | 62681 | 62903 | **05 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $98^g\,05^c$ — log ctg $98^g\,10^c$

## log sin $1^g\,95^c$ — log sin $2^g\,00^c$

| c | cc | | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **95** | **oo** | 8.48 | 60866 | 61088 | 61311 | 61534 | 61756 | 61979 | 62201 | 62424 | 62647 | 62869 | 63092 | 90 |
| | 10 | | 63092 | 63314 | 63537 | 63759 | 63982 | 64204 | 64427 | 64649 | 64872 | 65094 | 65316 | 80 |
| | 20 | | 65316 | 65539 | 65761 | 65984 | 66206 | 66428 | 66651 | 66873 | 67095 | 67318 | 67540 | 70 |
| | 30 | | 67540 | 67762 | 67985 | 68207 | 68429 | 68651 | 68874 | 69096 | 69318 | 69540 | 69762 | 60 |
| | 40 | | 69762 | 69985 | 70207 | 70429 | 70651 | 70873 | 71095 | 71317 | 71540 | 71762 | 71984 | 50 |
| | 50 | | 71984 | 72206 | 72428 | 72650 | 72872 | 73094 | 73316 | 73538 | 73760 | 73982 | 74204 | 40 |
| | 60 | | 74204 | 74426 | 74648 | 74870 | 75092 | 75314 | 75536 | 75757 | 75979 | 76201 | 76423 | 30 |
| | 70 | | 76423 | 76645 | 76867 | 77089 | 77310 | 77532 | 77754 | 77976 | 78197 | 78419 | 78641 | 20 |
| | 80 | | 78641 | 78863 | 79084 | 79306 | 79528 | 79749 | 79971 | 80193 | 80414 | 80636 | 80858 | 10 |
| | 90 | | 80858 | 81079 | 81301 | 81523 | 81744 | 81966 | 82187 | 82409 | 82630 | 82852 | 83073 | **04** **oo** |
| **96** | **oo** | 8.48 | 83073 | 83295 | 83516 | 83738 | 83959 | 84181 | 84402 | 84624 | 84845 | 85066 | 85288 | 90 |
| | 10 | | 85288 | 85509 | 85731 | 85952 | 86173 | 86395 | 86616 | 86837 | 87059 | 87280 | 87501 | 80 |
| | 20 | | 87501 | 87723 | 87944 | 88165 | 88386 | 88608 | 88829 | 89050 | 89271 | 89492 | 89714 | 70 |
| | 30 | | 89714 | 89935 | 90156 | 90377 | 90598 | 90819 | 91040 | 91261 | 91483 | 91704 | 91925 | 60 |
| | 40 | | 91925 | 92146 | 92367 | 92588 | 92809 | 93030 | 93251 | 93472 | 93693 | 93914 | 94135 | 50 |
| | 50 | | 94135 | 94356 | 94577 | 94797 | 95018 | 95239 | 95460 | 95681 | 95902 | 96123 | 96344 | 40 |
| | 60 | | 96344 | 96564 | 96785 | 97006 | 97227 | 97448 | 97668 | 97889 | 98110 | 98331 | 98551 | 30 |
| | 70 | 8.48 | 98551 | 98772 | 98993 | 99213 | 99434 | 99655 | 99875 | *00096 | *00317 | *00537 | *00758 | 20 |
| | 80 | 8.49 | 00758 | 00979 | 01199 | 01420 | 01640 | 01861 | 02081 | 02302 | 02522 | 02743 | 02963 | 10 |
| | 90 | | 02963 | 03184 | 03404 | 03625 | 03845 | 04066 | 04286 | 04507 | 04727 | 04948 | 05168 | **03** **oo** |
| **97** | **oo** | 8.49 | 05168 | 05388 | 05609 | 05829 | 06049 | 06270 | 06490 | 06710 | 06931 | 07151 | 07371 | 90 |
| | 10 | | 07371 | 07591 | 07812 | 08032 | 08252 | 08472 | 08693 | 08913 | 09133 | 09353 | 09573 | 80 |
| | 20 | | 09573 | 09793 | 10014 | 10234 | 10454 | 10674 | 10894 | 11114 | 11334 | 11554 | 11774 | 70 |
| | 30 | | 11774 | 11994 | 12214 | 12434 | 12654 | 12874 | 13094 | 13314 | 13534 | 13754 | 13974 | 60 |
| | 40 | | 13974 | 14194 | 14414 | 14634 | 14854 | 15074 | 15294 | 15514 | 15733 | 15953 | 16173 | 50 |
| | 50 | | 16173 | 16393 | 16613 | 16833 | 17052 | 17272 | 17492 | 17712 | 17931 | 18151 | 18371 | 40 |
| | 60 | | 18371 | 18591 | 18810 | 19030 | 19250 | 19469 | 19689 | 19909 | 20128 | 20348 | 20567 | 30 |
| | 70 | | 20567 | 20787 | 21007 | 21226 | 21446 | 21665 | 21885 | 22104 | 22324 | 22543 | 22763 | 20 |
| | 80 | | 22763 | 22982 | 23202 | 23421 | 23641 | 23860 | 24080 | 24299 | 24518 | 24738 | 24957 | 10 |
| | 90 | | 24957 | 25177 | 25396 | 25615 | 25835 | 26054 | 26273 | 26493 | 26712 | 26931 | 27150 | **02** **oo** |
| **98** | **oo** | 8.49 | 27150 | 27370 | 27589 | 27808 | 28027 | 28247 | 28466 | 28685 | 28904 | 29123 | 29343 | 90 |
| | 10 | | 29343 | 29562 | 29781 | 30000 | 30219 | 30438 | 30657 | 30876 | 31096 | 31315 | 31534 | 80 |
| | 20 | | 31534 | 31753 | 31972 | 32191 | 32410 | 32629 | 32848 | 33067 | 33286 | 33505 | 33724 | 70 |
| | 30 | | 33724 | 33943 | 34161 | 34380 | 34599 | 34818 | 35037 | 35256 | 35475 | 35694 | 35912 | 60 |
| | 40 | | 35912 | 36131 | 36350 | 36569 | 36788 | 37006 | 37225 | 37444 | 37663 | 37881 | 38100 | 50 |
| | 50 | | 38100 | 38319 | 38538 | 38756 | 38975 | 39194 | 39412 | 39631 | 39850 | 40068 | 40287 | 40 |
| | 60 | | 40287 | 40505 | 40724 | 40943 | 41161 | 41380 | 41598 | 41817 | 42035 | 42254 | 42472 | 30 |
| | 70 | | 42472 | 42691 | 42909 | 43128 | 43346 | 43565 | 43783 | 44001 | 44220 | 44438 | 44657 | 20 |
| | 80 | | 44657 | 44875 | 45093 | 45312 | 45530 | 45749 | 45967 | 46185 | 46403 | 46622 | 46840 | 10 |
| | 90 | | 46840 | 47058 | 47277 | 47495 | 47713 | 47931 | 48149 | 48368 | 48586 | 48804 | 49022 | **01** **oo** |
| **99** | **oo** | 8.49 | 49022 | 49240 | 49459 | 49677 | 49895 | 50113 | 50331 | 50549 | 50767 | 50985 | 51203 | 90 |
| | 10 | | 51203 | 51421 | 51639 | 51858 | 52076 | 52294 | 52512 | 52730 | 52947 | 53165 | 53383 | 80 |
| | 20 | | 53383 | 53601 | 53819 | 54037 | 54255 | 54473 | 54691 | 54909 | 55127 | 55344 | 55562 | 70 |
| | 30 | | 55562 | 55780 | 55998 | 56216 | 56434 | 56651 | 56869 | 57087 | 57305 | 57522 | 57740 | 60 |
| | 40 | | 57740 | 57958 | 58176 | 58393 | 58611 | 58829 | 59046 | 59264 | 59482 | 59699 | 59917 | 50 |
| | 50 | | 59917 | 60135 | 60352 | 60570 | 60787 | 61005 | 61222 | 61440 | 61658 | 61875 | 62093 | 40 |
| | 60 | | 62093 | 62310 | 62528 | 62745 | 62963 | 63180 | 63397 | 63615 | 63832 | 64050 | 64267 | 30 |
| | 70 | | 64267 | 64485 | 64702 | 64919 | 65137 | 65354 | 65571 | 65789 | 66006 | 66223 | 66441 | 20 |
| | 80 | | 66441 | 66658 | 66875 | 67092 | 67310 | 67527 | 67744 | 67961 | 68179 | 68396 | 68613 | 10 |
| | 90 | 8.49 | 68613 | 68830 | 69047 | 69265 | 69482 | 69699 | 69916 | 70133 | 70350 | 70567 | 70784 | **00** **oo** |
| | | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $98^g\,00^c$ — log cos $98^g\,05^c$

## log tg $1^g\,95^c$ — log tg $2^g\,00^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **95** | **oo** | 8.48 62903 | 63126 | 63349 | 63572 | 63795 | 64018 | 64240 | 64463 | 64686 | 64909 | 65131 | 90 |
| | 10 | 65131 | 65354 | 65577 | 65800 | 66022 | 66245 | 66468 | 66690 | 66913 | 67136 | 67358 | 80 |
| | 20 | 67358 | 67581 | 67803 | 68026 | 68249 | 68471 | 68694 | 68916 | 69139 | 69361 | 69584 | 70 |
| | 30 | 69584 | 69806 | 70029 | 70251 | 70474 | 70696 | 70919 | 71141 | 71364 | 71586 | 71808 | 60 |
| | 40 | 71808 | 72031 | 72253 | 72476 | 72698 | 72920 | 73143 | 73365 | 73587 | 73810 | 74032 | 50 |
| | 50 | 74032 | 74254 | 74476 | 74699 | 74921 | 75143 | 75365 | 75588 | 75810 | 76032 | 76254 | 40 |
| | 60 | 76254 | 76476 | 76698 | 76921 | 77143 | 77365 | 77587 | 77809 | 78031 | 78253 | 78475 | 30 |
| | 70 | 78475 | 78697 | 78919 | 79141 | 79363 | 79585 | 79807 | 80029 | 80251 | 80473 | 80695 | 20 |
| | 80 | 80695 | 80917 | 81139 | 81361 | 81583 | 81805 | 82027 | 82249 | 82471 | 82692 | 82914 | 10 |
| | 90 | 82914 | 83136 | 83358 | 83580 | 83801 | 84023 | 84245 | 84467 | 84689 | 84910 | 85132 | **04 oo** |
| **96** | **oo** | 8.48 85132 | 85354 | 85575 | 85797 | 86019 | 86240 | 86462 | 86684 | 86905 | 87127 | 87349 | 90 |
| | 10 | 87349 | 87570 | 87792 | 88013 | 88235 | 88456 | 88678 | 88900 | 89121 | 89343 | 89564 | 80 |
| | 20 | 89564 | 89786 | 90007 | 90229 | 90450 | 90671 | 90893 | 91114 | 91336 | 91557 | 91778 | 70 |
| | 30 | 91778 | 92000 | 92221 | 92443 | 92664 | 92885 | 93107 | 93328 | 93549 | 93770 | 93992 | 60 |
| | 40 | 93992 | 94213 | 94434 | 94655 | 94877 | 95098 | 95319 | 95540 | 95761 | 95983 | 96204 | 50 |
| | 50 | 96204 | 96425 | 96646 | 96867 | 97088 | 97309 | 97531 | 97752 | 97973 | 98194 | 98415 | 40 |
| | 60 | 8.48 98415 | 98636 | 98857 | 99078 | 99299 | 99520 | 99741 | 99962 | *00183 | *00404 | *00625 | 30 |
| | 70 | 8.49 00625 | 00846 | 01067 | 01287 | 01508 | 01729 | 01950 | 02171 | 02392 | 02613 | 02833 | 20 |
| | 80 | 02833 | 03054 | 03275 | 03496 | 03717 | 03937 | 04158 | 04379 | 04600 | 04820 | 05041 | 10 |
| | 90 | 05041 | 05262 | 05482 | 05703 | 05924 | 06144 | 06365 | 06586 | 06806 | 07027 | 07248 | **03 oo** |
| **97** | **oo** | 8.49 07248 | 07468 | 07689 | 07909 | 08130 | 08350 | 08571 | 08791 | 09012 | 09232 | 09453 | 90 |
| | 10 | 09453 | 09673 | 09894 | 10114 | 10335 | 10555 | 10776 | 10996 | 11216 | 11437 | 11657 | 80 |
| | 20 | 11657 | 11878 | 12098 | 12318 | 12539 | 12759 | 12979 | 13200 | 13420 | 13640 | 13860 | 70 |
| | 30 | 13860 | 14081 | 14301 | 14521 | 14741 | 14962 | 15182 | 15402 | 15622 | 15842 | 16062 | 60 |
| | 40 | 16062 | 16283 | 16503 | 16723 | 16943 | 17163 | 17383 | 17603 | 17823 | 18043 | 18263 | 50 |
| | 50 | 18263 | 18483 | 18703 | 18923 | 19143 | 19363 | 19583 | 19803 | 20023 | 20243 | 20463 | 40 |
| | 60 | 20463 | 20683 | 20903 | 21123 | 21343 | 21563 | 21783 | 22002 | 22222 | 22442 | 22662 | 30 |
| | 70 | 22662 | 22882 | 23101 | 23321 | 23541 | 23761 | 23981 | 24200 | 24420 | 24640 | 24859 | 20 |
| | 80 | 24859 | 25079 | 25299 | 25519 | 25738 | 25958 | 26177 | 26397 | 26617 | 26836 | 27056 | 10 |
| | 90 | 27056 | 27276 | 27495 | 27715 | 27934 | 28154 | 28373 | 28593 | 28812 | 29032 | 29251 | **02 oo** |
| **98** | **oo** | 8.49 29251 | 29471 | 29690 | 29910 | 30129 | 30349 | 30568 | 30787 | 31007 | 31226 | 31446 | 90 |
| | 10 | 31446 | 31665 | 31884 | 32104 | 32323 | 32542 | 32762 | 32981 | 33200 | 33419 | 33639 | 80 |
| | 20 | 33639 | 33858 | 34077 | 34296 | 34516 | 34735 | 34954 | 35173 | 35392 | 35612 | 35831 | 70 |
| | 30 | 35831 | 36050 | 36269 | 36488 | 36707 | 36926 | 37146 | 37365 | 37584 | 37803 | 38022 | 60 |
| | 40 | 38022 | 38241 | 38460 | 38679 | 38898 | 39117 | 39336 | 39555 | 39774 | 39993 | 40212 | 50 |
| | 50 | 40212 | 40431 | 40649 | 40868 | 41087 | 41306 | 41525 | 41744 | 41963 | 42182 | 42400 | 40 |
| | 60 | 42400 | 42619 | 42838 | 43057 | 43276 | 43494 | 43713 | 43932 | 44151 | 44369 | 44588 | 30 |
| | 70 | 44588 | 44807 | 45025 | 45244 | 45463 | 45681 | 45900 | 46119 | 46337 | 46556 | 46775 | 20 |
| | 80 | 46775 | 46993 | 47212 | 47430 | 47649 | 47867 | 48086 | 48305 | 48523 | 48742 | 48960 | 10 |
| | 90 | 48960 | 49179 | 49397 | 49615 | 49834 | 50052 | 50271 | 50489 | 50708 | 50926 | 51144 | **01 oo** |
| **99** | **oo** | 8.49 51144 | 51363 | 51581 | 51799 | 52018 | 52236 | 52454 | 52673 | 52891 | 53109 | 53328 | 90 |
| | 10 | 53328 | 53546 | 53764 | 53982 | 54201 | 54419 | 54637 | 54855 | 55073 | 55292 | 55510 | 80 |
| | 20 | 55510 | 55728 | 55946 | 56164 | 56382 | 56600 | 56819 | 57037 | 57255 | 57473 | 57691 | 70 |
| | 30 | 57691 | 57909 | 58127 | 58345 | 58563 | 58781 | 58999 | 59217 | 59435 | 59653 | 59871 | 60 |
| | 40 | 59871 | 60089 | 60307 | 60525 | 60743 | 60960 | 61178 | 61396 | 61614 | 61832 | 62050 | 50 |
| | 50 | 62050 | 62268 | 62485 | 62703 | 62921 | 63139 | 63357 | 63574 | 63792 | 64010 | 64228 | 40 |
| | 60 | 64228 | 64445 | 64663 | 64881 | 65098 | 65316 | 65534 | 65751 | 65969 | 66187 | 66404 | 30 |
| | 70 | 66404 | 66622 | 66839 | 67057 | 67275 | 67492 | 67710 | 67927 | 68145 | 68362 | 68580 | 20 |
| | 80 | 68580 | 68797 | 69015 | 69232 | 69450 | 69667 | 69885 | 70102 | 70320 | 70537 | 70754 | 10 |
| | 90 | 8.49 70754 | 70972 | 71189 | 71407 | 71624 | 71841 | 72059 | 72276 | 72493 | 72711 | 72928 | **00 oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

## log ctg $98^g\,00^c$ — log ctg $98^g\,05^c$

## log sin $2^g\,00^c$ — log sin $2^g\,05^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **00** | **oo** | 8.49 70784 | 71001 | 71218 | 71435 | 71653 | 71870 | 72087 | 72304 | 72521 | 72738 | 72955 | | 90 |
| | 10 | 72955 | 73171 | 73388 | 73605 | 73822 | 74039 | 74256 | 74473 | 74690 | 74907 | 75124 | | 80 |
| | 20 | 75124 | 75341 | 75557 | 75774 | 75991 | 76208 | 76425 | 76641 | 76858 | 77075 | 77292 | | 70 |
| | 30 | 77292 | 77508 | 77725 | 77942 | 78159 | 78375 | 78592 | 78809 | 79025 | 79242 | 79459 | | 60 |
| | 40 | 79459 | 79675 | 79892 | 80109 | 80325 | 80542 | 80758 | 80975 | 81191 | 81408 | 81625 | | 50 |
| | 50 | 81625 | 81841 | 82058 | 82274 | 82491 | 82707 | 82924 | 83140 | 83356 | 83573 | 83789 | | 40 |
| | 60 | 83789 | 84006 | 84222 | 84439 | 84655 | 84871 | 85088 | 85304 | 85520 | 85737 | 85953 | | 30 |
| | 70 | 85953 | 86169 | 86386 | 86602 | 86818 | 87035 | 87251 | 87467 | 87683 | 87900 | 88116 | | 20 |
| | 80 | 88116 | 88332 | 88548 | 88764 | 88980 | 89197 | 89413 | 89629 | 89845 | 90061 | 90277 | | 10 |
| | 90 | 90277 | 90493 | 90709 | 90926 | 91142 | 91358 | 91574 | 91790 | 92006 | 92222 | 92438 | **99** | **oo** |
| **01** | **oo** | 8.49 92438 | 92654 | 92870 | 93086 | 93302 | 93518 | 93734 | 93949 | 94165 | 94381 | 94597 | | 90 |
| | 10 | 94597 | 94813 | 95029 | 95245 | 95461 | 95676 | 95892 | 96108 | 96324 | 96540 | 96756 | | 80 |
| | 20 | 96756 | 96971 | 97187 | 97403 | 97619 | 97834 | 98050 | 98266 | 98481 | 98697 | 98913 | | 70 |
| | 30 | 8.49 98913 | 99128 | 99344 | 99560 | 99775 | 99991 | *00207 | *00422 | *00638 | *00853 | *01069 | | 60 |
| | 40 | 8.50 01069 | 01285 | 01500 | 01716 | 01931 | 02147 | 02362 | 02578 | 02793 | 03009 | 03224 | | 50 |
| | 50 | 03224 | 03440 | 03655 | 03870 | 04086 | 04301 | 04517 | 04732 | 04947 | 05163 | 05378 | | 40 |
| | 60 | 05378 | 05594 | 05809 | 06024 | 06239 | 06455 | 06670 | 06885 | 07101 | 07316 | 07531 | | 30 |
| | 70 | 07531 | 07746 | 07962 | 08177 | 08392 | 08607 | 08822 | 09038 | 09253 | 09468 | 09683 | | 20 |
| | 80 | 09683 | 09898 | 10113 | 10328 | 10544 | 10759 | 10974 | 11189 | 11404 | 11619 | 11834 | | 10 |
| | 90 | 11834 | 12049 | 12264 | 12479 | 12694 | 12909 | 13124 | 13339 | 13554 | 13769 | 13984 | **98** | **oo** |
| **02** | **oo** | 8.50 13984 | 14199 | 14414 | 14628 | 14843 | 15058 | 15273 | 15488 | 15703 | 15918 | 16132 | | 90 |
| | 10 | 16132 | 16347 | 16562 | 16777 | 16992 | 17206 | 17421 | 17636 | 17851 | 18065 | 18280 | | 80 |
| | 20 | 18280 | 18495 | 18709 | 18924 | 19139 | 19353 | 19568 | 19783 | 19997 | 20212 | 20427 | | 70 |
| | 30 | 20427 | 20641 | 20856 | 21070 | 21285 | 21500 | 21714 | 21929 | 22143 | 22358 | 22572 | | 60 |
| | 40 | 22572 | 22787 | 23001 | 23216 | 23430 | 23645 | 23859 | 24073 | 24288 | 24502 | 24717 | | 50 |
| | 50 | 24717 | 24931 | 25145 | 25360 | 25574 | 25789 | 26003 | 26217 | 26431 | 26646 | 26860 | | 40 |
| | 60 | 26860 | 27074 | 27289 | 27503 | 27717 | 27931 | 28146 | 28360 | 28574 | 28788 | 29002 | | 30 |
| | 70 | 29002 | 29217 | 29431 | 29645 | 29859 | 30073 | 30287 | 30501 | 30716 | 30930 | 31144 | | 20 |
| | 80 | 31144 | 31358 | 31572 | 31786 | 32000 | 32214 | 32428 | 32642 | 32856 | 33070 | 33284 | | 10 |
| | 90 | 33284 | 33498 | 33712 | 33926 | 34140 | 34354 | 34568 | 34782 | 34995 | 35209 | 35423 | **97** | **oo** |
| **03** | **oo** | 8.50 35423 | 35637 | 35851 | 36065 | 36279 | 36492 | 36706 | 36920 | 37134 | 37348 | 37561 | | 90 |
| | 10 | 37561 | 37775 | 37989 | 38203 | 38416 | 38630 | 38844 | 39057 | 39271 | 39485 | 39698 | | 80 |
| | 20 | 39698 | 39912 | 40126 | 40339 | 40553 | 40766 | 40980 | 41194 | 41407 | 41621 | 41834 | | 70 |
| | 30 | 41834 | 42048 | 42261 | 42475 | 42688 | 42902 | 43115 | 43329 | 43542 | 43756 | 43969 | | 60 |
| | 40 | 43969 | 44183 | 44396 | 44610 | 44823 | 45036 | 45250 | 45463 | 45677 | 45890 | 46103 | | 50 |
| | 50 | 46103 | 46317 | 46530 | 46743 | 46957 | 47170 | 47383 | 47596 | 47810 | 48023 | 48236 | | 40 |
| | 60 | 48236 | 48449 | 48663 | 48876 | 49089 | 49302 | 49515 | 49729 | 49942 | 50155 | 50368 | | 30 |
| | 70 | 50368 | 50581 | 50794 | 51007 | 51220 | 51433 | 51647 | 51860 | 52073 | 52286 | 52499 | | 20 |
| | 80 | 52499 | 52712 | 52925 | 53138 | 53351 | 53564 | 53777 | 53990 | 54203 | 54416 | 54628 | | 10 |
| | 90 | 54628 | 54841 | 55054 | 55267 | 55480 | 55693 | 55906 | 56119 | 56332 | 56544 | 56757 | **96** | **oo** |
| **04** | **oo** | 8.50 56757 | 56970 | 57183 | 57396 | 57608 | 57821 | 58034 | 58247 | 58459 | 58672 | 58885 | | 90 |
| | 10 | 58885 | 59098 | 59310 | 59523 | 59736 | 59948 | 60161 | 60374 | 60586 | 60799 | 61011 | | 80 |
| | 20 | 61011 | 61224 | 61437 | 61649 | 61862 | 62074 | 62287 | 62499 | 62712 | 62924 | 63137 | | 70 |
| | 30 | 63137 | 63349 | 63562 | 63774 | 63987 | 64199 | 64412 | 64624 | 64837 | 65049 | 65261 | | 60 |
| | 40 | 65261 | 65474 | 65686 | 65899 | 66111 | 66323 | 66536 | 66748 | 66960 | 67173 | 67385 | | 50 |
| | 50 | 67385 | 67597 | 67810 | 68022 | 68234 | 68446 | 68659 | 68871 | 69083 | 69295 | 69507 | | 40 |
| | 60 | 69507 | 69720 | 69932 | 70144 | 70356 | 70568 | 70780 | 70993 | 71205 | 71417 | 71629 | | 30 |
| | 70 | 71629 | 71841 | 72053 | 72265 | 72477 | 72689 | 72901 | 73113 | 73325 | 73537 | 73749 | | 20 |
| | 80 | 73749 | 73961 | 74173 | 74385 | 74597 | 74809 | 75021 | 75233 | 75445 | 75657 | 75869 | | 10 |
| | 90 | 8.50 75869 | 76080 | 76292 | 76504 | 76716 | 76928 | 77140 | 77351 | 77563 | 77775 | 77987 | **95** | **oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c | cc |

## log cos $97^g\,95^c$ — log cos $98^g\,00^c$

## log tg $2^g\,00^c$ — log tg $2^g\,05^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **00** | **oo** | 8.49 72928 | 73145 | 73362 | 73580 | 73797 | 74014 | 74231 | 74449 | 74666 | 74883 | 75100 | 90 |
| | 10 | 75100 | 75317 | 75535 | 75752 | 75969 | 76186 | 76403 | 76620 | 76837 | 77054 | 77271 | 80 |
| | 20 | 77271 | 77489 | 77706 | 77923 | 78140 | 78357 | 78574 | 78791 | 79008 | 79225 | 79442 | 70 |
| | 30 | 79442 | 79659 | 79876 | 80093 | 80309 | 80526 | 80743 | 80960 | 81177 | 81394 | 81611 | 60 |
| | 40 | 81611 | 81828 | 82044 | 82261 | 82478 | 82695 | 82912 | 83129 | 83345 | 83562 | 83779 | 50 |
| | 50 | 83779 | 83996 | 84212 | 84429 | 84646 | 84862 | 85079 | 85296 | 85512 | 85729 | 85946 | 40 |
| | 60 | 85946 | 86162 | 86379 | 86596 | 86812 | 87029 | 87245 | 87462 | 87679 | 87895 | 88112 | 30 |
| | 70 | 88112 | 88328 | 88545 | 88761 | 88978 | 89194 | 89411 | 89627 | 89844 | 90060 | 90276 | 20 |
| | 80 | 90276 | 90493 | 90709 | 90926 | 91142 | 91358 | 91575 | 91791 | 92007 | 92224 | 92440 | 10 |
| | 90 | 92440 | 92656 | 92873 | 93089 | 93305 | 93522 | 93738 | 93954 | 94170 | 94387 | 94603 | **99 oo** |
| **01** | **oo** | 8.49 94603 | 94819 | 95035 | 95251 | 95468 | 95684 | 95900 | 96116 | 96332 | 96548 | 96764 | 90 |
| | 10 | 96764 | 96980 | 97197 | 97413 | 97629 | 97845 | 98061 | 98277 | 98493 | 98709 | 98925 | 80 |
| | 20 | 8.49 98925 | 99141 | 99357 | 99573 | 99789 | *00005 | *00221 | *00437 | *00652 | *00868 | *01084 | 70 |
| | 30 | 8.50 01084 | 01300 | 01516 | 01732 | 01948 | 02164 | 02379 | 02595 | 02811 | 03027 | 03243 | 60 |
| | 40 | 03243 | 03458 | 03674 | 03890 | 04106 | 04321 | 04537 | 04753 | 04969 | 05184 | 05400 | 50 |
| | 50 | 05400 | 05616 | 05831 | 06047 | 06263 | 06478 | 06694 | 06909 | 07125 | 07341 | 07556 | 40 |
| | 60 | 07556 | 07772 | 07987 | 08203 | 08418 | 08634 | 08849 | 09065 | 09280 | 09496 | 09711 | 30 |
| | 70 | 09711 | 09927 | 10142 | 10358 | 10573 | 10788 | 11004 | 11219 | 11435 | 11650 | 11865 | 20 |
| | 80 | 11865 | 12081 | 12296 | 12511 | 12727 | 12942 | 13157 | 13373 | 13588 | 13803 | 14018 | 10 |
| | 90 | 14018 | 14234 | 14449 | 14664 | 14879 | 15094 | 15310 | 15525 | 15740 | 15955 | 16170 | **98 oo** |
| **02** | **oo** | 8.50 16170 | 16385 | 16601 | 16816 | 17031 | 17246 | 17461 | 17676 | 17891 | 18106 | 18321 | 90 |
| | 10 | 18321 | 18536 | 18751 | 18966 | 19181 | 19396 | 19611 | 19826 | 20041 | 20256 | 20471 | 80 |
| | 20 | 20471 | 20686 | 20901 | 21116 | 21331 | 21546 | 21760 | 21975 | 22190 | 22405 | 22620 | 70 |
| | 30 | 22620 | 22835 | 23049 | 23264 | 23479 | 23694 | 23909 | 24123 | 24338 | 24553 | 24767 | 60 |
| | 40 | 24767 | 24982 | 25197 | 25412 | 25626 | 25841 | 26056 | 26270 | 26485 | 26699 | 26914 | 50 |
| | 50 | 26914 | 27129 | 27343 | 27558 | 27772 | 27987 | 28202 | 28416 | 28631 | 28845 | 29060 | 40 |
| | 60 | 29060 | 29274 | 29489 | 29703 | 29918 | 30132 | 30347 | 30561 | 30775 | 30990 | 31204 | 30 |
| | 70 | 31204 | 31419 | 31633 | 31847 | 32062 | 32276 | 32490 | 32705 | 32919 | 33133 | 33348 | 20 |
| | 80 | 33348 | 33562 | 33776 | 33991 | 34205 | 34419 | 34633 | 34847 | 35062 | 35276 | 35490 | 10 |
| | 90 | 35490 | 35704 | 35918 | 36133 | 36347 | 36561 | 36775 | 36989 | 37203 | 37417 | 37631 | **97 oo** |
| **03** | **oo** | 8.50 37631 | 37846 | 38060 | 38274 | 38488 | 38702 | 38916 | 39130 | 39344 | 39558 | 39772 | 90 |
| | 10 | 39772 | 39986 | 40200 | 40414 | 40628 | 40842 | 41055 | 41269 | 41483 | 41697 | 41911 | 80 |
| | 20 | 41911 | 42125 | 42339 | 42553 | 42766 | 42980 | 43194 | 43408 | 43622 | 43835 | 44049 | 70 |
| | 30 | 44049 | 44263 | 44477 | 44690 | 44904 | 45118 | 45332 | 45545 | 45759 | 45973 | 46186 | 60 |
| | 40 | 46186 | 46400 | 46614 | 46827 | 47041 | 47255 | 47468 | 47682 | 47895 | 48109 | 48322 | 50 |
| | 50 | 48322 | 48536 | 48750 | 48963 | 49177 | 49390 | 49604 | 49817 | 50031 | 50244 | 50458 | 40 |
| | 60 | 50458 | 50671 | 50884 | 51098 | 51311 | 51525 | 51738 | 51951 | 52165 | 52378 | 52592 | 30 |
| | 70 | 52592 | 52805 | 53018 | 53232 | 53445 | 53658 | 53871 | 54085 | 54298 | 54511 | 54725 | 20 |
| | 80 | 54725 | 54938 | 55151 | 55364 | 55577 | 55791 | 56004 | 56217 | 56430 | 56643 | 56856 | 10 |
| | 90 | 56856 | 57070 | 57283 | 57496 | 57709 | 57922 | 58135 | 58348 | 58561 | 58774 | 58987 | **96 oo** |
| **04** | **oo** | 8.50 58987 | 59200 | 59413 | 59626 | 59839 | 60052 | 60265 | 60478 | 60691 | 60904 | 61117 | 90 |
| | 10 | 61117 | 61330 | 61543 | 61756 | 61969 | 62182 | 62395 | 62607 | 62820 | 63033 | 63246 | 80 |
| | 20 | 63246 | 63459 | 63672 | 63884 | 64097 | 64310 | 64523 | 64735 | 64948 | 65161 | 65374 | 70 |
| | 30 | 65374 | 65586 | 65799 | 66012 | 66224 | 66437 | 66650 | 66862 | 67075 | 67288 | 67500 | 60 |
| | 40 | 67500 | 67713 | 67926 | 68138 | 68351 | 68563 | 68776 | 68988 | 69201 | 69414 | 69626 | 50 |
| | 50 | 69626 | 69839 | 70051 | 70264 | 70476 | 70688 | 70901 | 71113 | 71326 | 71538 | 71751 | 40 |
| | 60 | 71751 | 71963 | 72175 | 72388 | 72600 | 72813 | 73025 | 73237 | 73450 | 73662 | 73874 | 30 |
| | 70 | 73874 | 74087 | 74299 | 74511 | 74723 | 74936 | 75148 | 75360 | 75572 | 75785 | 75997 | 20 |
| | 80 | 75997 | 76209 | 76421 | 76633 | 76846 | 77058 | 77270 | 77482 | 77694 | 77906 | 78118 | 10 |
| | 90 | 8.50 78118 | 78330 | 78543 | 78755 | 78967 | 79179 | 79391 | 79603 | 79815 | 80027 | 80239 | **95 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $97^g\,95^c$ — log ctg $98^g\,00^c$

## log sin $2^g\,05^c$ — log sin $2^g\,10^c$

| c | cc | | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **05** | **oo** | 8.50 | 77987 | 78199 | 78410 | 78622 | 78834 | 79046 | 79257 | 79469 | 79681 | 79892 | 80104 | | 90 |
| | 10 | | 80104 | 80316 | 80527 | 80739 | 80951 | 81162 | 81374 | 81586 | 81797 | 82009 | 82220 | | 80 |
| | 20 | | 82220 | 82432 | 82643 | 82855 | 83066 | 83278 | 83490 | 83701 | 83913 | 84124 | 84335 | | 70 |
| | 30 | | 84335 | 84547 | 84758 | 84970 | 85181 | 85393 | 85604 | 85816 | 86027 | 86238 | 86450 | | 60 |
| | 40 | | 86450 | 86661 | 86872 | 87084 | 87295 | 87506 | 87718 | 87929 | 88140 | 88352 | 88563 | | 50 |
| | 50 | | 88563 | 88774 | 88985 | 89197 | 89408 | 89619 | 89830 | 90041 | 90253 | 90464 | 90675 | | 40 |
| | 60 | | 90675 | 90886 | 91097 | 91308 | 91519 | 91731 | 91942 | 92153 | 92364 | 92575 | 92786 | | 30 |
| | 70 | | 92786 | 92997 | 93208 | 93419 | 93630 | 93841 | 94052 | 94263 | 94474 | 94685 | 94896 | | 20 |
| | 80 | | 94896 | 95107 | 95318 | 95529 | 95740 | 95951 | 96162 | 96372 | 96583 | 96794 | 97005 | | 10 |
| | 90 | | 97005 | 97216 | 97427 | 97638 | 97848 | 98059 | 98270 | 98481 | 98692 | 98902 | 99113 | **94** | **oo** |
| **06** | **oo** | 8.50 | 99113 | 99324 | 99535 | 99745 | 99956 | *00167 | *00377 | *00588 | *00799 | *01009 | *01220 | | 90 |
| | 10 | 8.51 | 01220 | 01431 | 01641 | 01852 | 02063 | 02273 | 02484 | 02694 | 02905 | 03115 | 03326 | | 80 |
| | 20 | | 03326 | 03537 | 03747 | 03958 | 04168 | 04379 | 04589 | 04800 | 05010 | 05220 | 05431 | | 70 |
| | 30 | | 05431 | 05641 | 05852 | 06062 | 06273 | 06483 | 06693 | 06904 | 07114 | 07324 | 07535 | | 60 |
| | 40 | | 07535 | 07745 | 07955 | 08166 | 08376 | 08586 | 08797 | 09007 | 09217 | 09427 | 09638 | | 50 |
| | 50 | | 09638 | 09848 | 10058 | 10268 | 10479 | 10689 | 10899 | 11109 | 11319 | 11529 | 11740 | | 40 |
| | 60 | | 11740 | 11950 | 12160 | 12370 | 12580 | 12790 | 13000 | 13210 | 13420 | 13630 | 13840 | | 30 |
| | 70 | | 13840 | 14050 | 14261 | 14471 | 14681 | 14891 | 15100 | 15310 | 15520 | 15730 | 15940 | | 20 |
| | 80 | | 15940 | 16150 | 16360 | 16570 | 16780 | 16990 | 17200 | 17410 | 17619 | 17829 | 18039 | | 10 |
| | 90 | | 18039 | 18249 | 18459 | 18669 | 18878 | 19088 | 19298 | 19508 | 19717 | 19927 | 20137 | **93** | **oo** |
| **07** | **oo** | 8.51 | 20137 | 20347 | 20556 | 20766 | 20976 | 21185 | 21395 | 21605 | 21814 | 22024 | 22234 | | 90 |
| | 10 | | 22234 | 22443 | 22653 | 22863 | 23072 | 23282 | 23491 | 23701 | 23910 | 24120 | 24330 | | 80 |
| | 20 | | 24330 | 24539 | 24749 | 24958 | 25168 | 25377 | 25586 | 25796 | 26005 | 26215 | 26424 | | 70 |
| | 30 | | 26424 | 26634 | 26843 | 27053 | 27262 | 27471 | 27681 | 27890 | 28099 | 28309 | 28518 | | 60 |
| | 40 | | 28518 | 28727 | 28937 | 29146 | 29355 | 29565 | 29774 | 29983 | 30192 | 30402 | 30611 | | 50 |
| | 50 | | 30611 | 30820 | 31029 | 31238 | 31448 | 31657 | 31866 | 32075 | 32284 | 32493 | 32703 | | 40 |
| | 60 | | 32703 | 32912 | 33121 | 33330 | 33539 | 33748 | 33957 | 34166 | 34375 | 34584 | 34793 | | 30 |
| | 70 | | 34793 | 35002 | 35211 | 35420 | 35629 | 35838 | 36047 | 36256 | 36465 | 36674 | 36883 | | 20 |
| | 80 | | 36883 | 37092 | 37301 | 37510 | 37719 | 37927 | 38136 | 38345 | 38554 | 38763 | 38972 | | 10 |
| | 90 | | 38972 | 39181 | 39389 | 39598 | 39807 | 40016 | 40224 | 40433 | 40642 | 40851 | 41059 | **92** | **oo** |
| **08** | **oo** | 8.51 | 41059 | 41268 | 41477 | 41686 | 41894 | 42103 | 42312 | 42520 | 42729 | 42937 | 43146 | | 90 |
| | 10 | | 43146 | 43355 | 43563 | 43772 | 43981 | 44189 | 44398 | 44606 | 44815 | 45023 | 45232 | | 80 |
| | 20 | | 45232 | 45440 | 45649 | 45857 | 46066 | 46274 | 46483 | 46691 | 46900 | 47108 | 47317 | | 70 |
| | 30 | | 47317 | 47525 | 47733 | 47942 | 48150 | 48359 | 48567 | 48775 | 48984 | 49192 | 49400 | | 60 |
| | 40 | | 49400 | 49609 | 49817 | 50025 | 50233 | 50442 | 50650 | 50858 | 51066 | 51275 | 51483 | | 50 |
| | 50 | | 51483 | 51691 | 51899 | 52108 | 52316 | 52524 | 52732 | 52940 | 53148 | 53357 | 53565 | | 40 |
| | 60 | | 53565 | 53773 | 53981 | 54189 | 54397 | 54605 | 54813 | 55021 | 55229 | 55437 | 55645 | | 30 |
| | 70 | | 55645 | 55853 | 56061 | 56269 | 56477 | 56685 | 56893 | 57101 | 57309 | 57517 | 57725 | | 20 |
| | 80 | | 57725 | 57933 | 58141 | 58349 | 58557 | 58765 | 58972 | 59180 | 59388 | 59596 | 59804 | | 10 |
| | 90 | | 59804 | 60012 | 60219 | 60427 | 60635 | 60843 | 61051 | 61258 | 61466 | 61674 | 61881 | **91** | **oo** |
| **09** | **oo** | 8.51 | 61881 | 62089 | 62297 | 62505 | 62712 | 62920 | 63128 | 63335 | 63543 | 63751 | 63958 | | 90 |
| | 10 | | 63958 | 64166 | 64373 | 64581 | 64789 | 64996 | 65204 | 65411 | 65619 | 65826 | 66034 | | 80 |
| | 20 | | 66034 | 66241 | 66449 | 66656 | 66864 | 67071 | 67279 | 67486 | 67694 | 67901 | 68109 | | 70 |
| | 30 | | 68109 | 68316 | 68523 | 68731 | 68938 | 69146 | 69353 | 69560 | 69768 | 69975 | 70182 | | 60 |
| | 40 | | 70182 | 70390 | 70597 | 70804 | 71012 | 71219 | 71426 | 71633 | 71841 | 72048 | 72255 | | 50 |
| | 50 | | 72255 | 72462 | 72670 | 72877 | 73084 | 73291 | 73498 | 73705 | 73913 | 74120 | 74327 | | 40 |
| | 60 | | 74327 | 74534 | 74741 | 74948 | 75155 | 75362 | 75569 | 75777 | 75984 | 76191 | 76398 | | 30 |
| | 70 | | 76398 | 76605 | 76812 | 77019 | 77226 | 77433 | 77640 | 77847 | 78054 | 78261 | 78467 | | 20 |
| | 80 | | 78467 | 78674 | 78881 | 79088 | 79295 | 79502 | 79709 | 79916 | 80123 | 80329 | 80536 | | 10 |
| | 90 | 8.51 | 80536 | 80743 | 80950 | 81157 | 81364 | 81570 | 81777 | 81984 | 82191 | 82397 | 82604 | **90** | **oo** |
| | | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c | cc |

## log cos $97^g\,90^c$ — log cos $97^g\,95^c$

## log tg $2^g\,05^c$ — log tg $2^g\,10^c$

| c | cc | | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **05** | **oo** | 8.50 | 80239 | 80451 | 80663 | 80875 | 81087 | 81299 | 81511 | 81723 | 81934 | 82146 | 82358 | 90 |
| | 10 | | 82358 | 82570 | 82782 | 82994 | 83206 | 83418 | 83629 | 83841 | 84053 | 84265 | 84477 | 80 |
| | 20 | | 84477 | 84689 | 84900 | 85112 | 85324 | 85536 | 85747 | 85959 | 86171 | 86382 | 86594 | 70 |
| | 30 | | 86594 | 86806 | 87017 | 87229 | 87441 | 87652 | 87864 | 88076 | 88287 | 88499 | 88710 | 60 |
| | 40 | | 88710 | 88922 | 89134 | 89345 | 89557 | 89768 | 89980 | 90191 | 90403 | 90614 | 90826 | 50 |
| | 50 | | 90826 | 91037 | 91249 | 91460 | 91672 | 91883 | 92095 | 92306 | 92517 | 92729 | 92940 | 40 |
| | 60 | | 92940 | 93152 | 93363 | 93574 | 93786 | 93997 | 94208 | 94420 | 94631 | 94842 | 95053 | 30 |
| | 70 | | 95053 | 95265 | 95476 | 95687 | 95898 | 96110 | 96321 | 96532 | 96743 | 96955 | 97166 | 20 |
| | 80 | | 97166 | 97377 | 97588 | 97799 | 98010 | 98221 | 98433 | 98644 | 98855 | 99066 | 99277 | 10 |
| | 90 | 8.50 | 99277 | 99488 | 99699 | 99910 | *00121 | *00332 | *00543 | *00754 | *00965 | *01176 | *01387 | **94 oo** |
| **06** | **oo** | 8.51 | 01387 | 01598 | 01809 | 02020 | 02231 | 02442 | 02653 | 02864 | 03075 | 03285 | 03496 | 90 |
| | 10 | | 03496 | 03707 | 03918 | 04129 | 04340 | 04551 | 04761 | 04972 | 05183 | 05394 | 05604 | 80 |
| | 20 | | 05604 | 05815 | 06026 | 06237 | 06447 | 06658 | 06869 | 07080 | 07290 | 07501 | 07712 | 70 |
| | 30 | | 07712 | 07922 | 08133 | 08344 | 08554 | 08765 | 08975 | 09186 | 09397 | 09607 | 09818 | 60 |
| | 40 | | 09818 | 10028 | 10239 | 10449 | 10660 | 10870 | 11081 | 11291 | 11502 | 11712 | 11923 | 50 |
| | 50 | | 11923 | 12133 | 12344 | 12554 | 12765 | 12975 | 13185 | 13396 | 13606 | 13817 | 14027 | 40 |
| | 60 | | 14027 | 14237 | 14448 | 14658 | 14868 | 15079 | 15289 | 15499 | 15709 | 15920 | 16130 | 30 |
| | 70 | | 16130 | 16340 | 16551 | 16761 | 16971 | 17181 | 17391 | 17602 | 17812 | 18022 | 18232 | 20 |
| | 80 | | 18232 | 18442 | 18652 | 18862 | 19073 | 19283 | 19493 | 19703 | 19913 | 20123 | 20333 | 10 |
| | 90 | | 20333 | 20543 | 20753 | 20963 | 21173 | 21383 | 21593 | 21803 | 22013 | 22223 | 22433 | **93 oo** |
| **07** | **oo** | 8.51 | 22433 | 22643 | 22853 | 23063 | 23273 | 23483 | 23693 | 23903 | 24112 | 24322 | 24532 | 90 |
| | 10 | | 24532 | 24742 | 24952 | 25162 | 25371 | 25581 | 25791 | 26001 | 26211 | 26420 | 26630 | 80 |
| | 20 | | 26630 | 26840 | 27050 | 27259 | 27469 | 27679 | 27888 | 28098 | 28308 | 28517 | 28727 | 70 |
| | 30 | | 28727 | 28937 | 29146 | 29356 | 29566 | 29775 | 29985 | 30194 | 30404 | 30614 | 30823 | 60 |
| | 40 | | 30823 | 31033 | 31242 | 31452 | 31661 | 31871 | 32080 | 32290 | 32499 | 32709 | 32918 | 50 |
| | 50 | | 32918 | 33128 | 33337 | 33546 | 33756 | 33965 | 34175 | 34384 | 34593 | 34803 | 35012 | 40 |
| | 60 | | 35012 | 35221 | 35431 | 35640 | 35849 | 36059 | 36268 | 36477 | 36687 | 36896 | 37105 | 30 |
| | 70 | | 37105 | 37314 | 37523 | 37733 | 37942 | 38151 | 38360 | 38569 | 38779 | 38988 | 39197 | 20 |
| | 80 | | 39197 | 39406 | 39615 | 39824 | 40033 | 40243 | 40452 | 40661 | 40870 | 41079 | 41288 | 10 |
| | 90 | | 41288 | 41497 | 41706 | 41915 | 42124 | 42333 | 42542 | 42751 | 42960 | 43169 | 43378 | **92 oo** |
| **08** | **oo** | 8.51 | 43378 | 43587 | 43796 | 44005 | 44214 | 44422 | 44631 | 44840 | 45049 | 45258 | 45467 | 90 |
| | 10 | | 45467 | 45676 | 45884 | 46093 | 46302 | 46511 | 46720 | 46928 | 47137 | 47346 | 47555 | 80 |
| | 20 | | 47555 | 47763 | 47972 | 48181 | 48390 | 48598 | 48807 | 49016 | 49224 | 49433 | 49642 | 70 |
| | 30 | | 49642 | 49850 | 50059 | 50268 | 50476 | 50685 | 50893 | 51102 | 51311 | 51519 | 51728 | 60 |
| | 40 | | 51728 | 51936 | 52145 | 52353 | 52562 | 52770 | 52979 | 53187 | 53396 | 53604 | 53813 | 50 |
| | 50 | | 53813 | 54021 | 54229 | 54438 | 54646 | 54855 | 55063 | 55271 | 55480 | 55688 | 55896 | 40 |
| | 60 | | 55896 | 56105 | 56313 | 56521 | 56730 | 56938 | 57146 | 57355 | 57563 | 57771 | 57979 | 30 |
| | 70 | | 57979 | 58188 | 58396 | 58604 | 58812 | 59021 | 59229 | 59437 | 59645 | 59853 | 60061 | 20 |
| | 80 | | 60061 | 60270 | 60478 | 60686 | 60894 | 61102 | 61310 | 61518 | 61726 | 61934 | 62142 | 10 |
| | 90 | | 62142 | 62350 | 62558 | 62766 | 62974 | 63182 | 63390 | 63598 | 63806 | 64014 | 64222 | **91 oo** |
| **09** | **oo** | 8.51 | 64222 | 64430 | 64638 | 64846 | 65054 | 65262 | 65470 | 65678 | 65886 | 66093 | 66301 | 90 |
| | 10 | | 66301 | 66509 | 66717 | 66925 | 67133 | 67340 | 67548 | 67756 | 67964 | 68171 | 68379 | 80 |
| | 20 | | 68379 | 68587 | 68795 | 69002 | 69210 | 69418 | 69626 | 69833 | 70041 | 70249 | 70456 | 70 |
| | 30 | | 70456 | 70664 | 70871 | 71079 | 71287 | 71494 | 71702 | 71909 | 72117 | 72325 | 72532 | 60 |
| | 40 | | 72532 | 72740 | 72947 | 73155 | 73362 | 73570 | 73777 | 73985 | 74192 | 74400 | 74607 | 50 |
| | 50 | | 74607 | 74815 | 75022 | 75229 | 75437 | 75644 | 75852 | 76059 | 76266 | 76474 | 76681 | 40 |
| | 60 | | 76681 | 76889 | 77096 | 77303 | 77511 | 77718 | 77925 | 78132 | 78340 | 78547 | 78754 | 30 |
| | 70 | | 78754 | 78961 | 79169 | 79376 | 79583 | 79790 | 79998 | 80205 | 80412 | 80619 | 80826 | 20 |
| | 80 | | 80826 | 81033 | 81241 | 81448 | 81655 | 81862 | 82069 | 82276 | 82483 | 82690 | 82897 | 10 |
| | 90 | 8.51 | 82897 | 83104 | 83311 | 83518 | 83725 | 83932 | 84139 | 84346 | 84553 | 84760 | 84967 | **90 oo** |
| | | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log ctg $97^g\,90^c$ — log ctg $97^g\,95^c$

## log sin $2^g\,10^c$ — log sin $2^g\,15^c$

| c | cc | | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **10** | **oo** | 8.51 | 82604 | 82811 | 83018 | 83224 | 83431 | 83638 | 83844 | 84051 | 84258 | 84464 | 84671 | 90 |
| | 10 | | 84671 | 84878 | 85084 | 85291 | 85497 | 85704 | 85911 | 86117 | 86324 | 86530 | 86737 | 80 |
| | 20 | | 86737 | 86943 | 87150 | 87356 | 87563 | 87769 | 87976 | 88182 | 88389 | 88595 | 88802 | 70 |
| | 30 | | 88802 | 89008 | 89214 | 89421 | 89627 | 89834 | 90040 | 90246 | 90453 | 90659 | 90865 | 60 |
| | 40 | | 90865 | 91072 | 91278 | 91484 | 91691 | 91897 | 92103 | 92310 | 92516 | 92722 | 92928 | 50 |
| | 50 | | 92928 | 93135 | 93341 | 93547 | 93753 | 93959 | 94166 | 94372 | 94578 | 94784 | 94990 | 40 |
| | 60 | | 94990 | 95196 | 95403 | 95609 | 95815 | 96021 | 96227 | 96433 | 96639 | 96845 | 97051 | 30 |
| | 70 | | 97051 | 97257 | 97463 | 97669 | 97875 | 98081 | 98287 | 98493 | 98699 | 98905 | 99111 | 20 |
| | 80 | 8.51 | 99111 | 99317 | 99523 | 99729 | 99935 | *00141 | *00347 | *00553 | *00758 | *00964 | *01170 | 10 |
| | 90 | 8.52 | 01170 | 01376 | 01582 | 01788 | 01993 | 02199 | 02405 | 02611 | 02817 | 03022 | 03228 | **89 oo** |
| **11** | **oo** | 8.52 | 03228 | 03434 | 03640 | 03845 | 04051 | 04257 | 04462 | 04668 | 04874 | 05080 | 05285 | 90 |
| | 10 | | 05285 | 05491 | 05696 | 05902 | 06108 | 06313 | 06519 | 06725 | 06930 | 07136 | 07341 | 80 |
| | 20 | | 07341 | 07547 | 07752 | 07958 | 08163 | 08369 | 08574 | 08780 | 08985 | 09191 | 09396 | 70 |
| | 30 | | 09396 | 09602 | 09807 | 10013 | 10218 | 10423 | 10629 | 10834 | 11040 | 11245 | 11450 | 60 |
| | 40 | | 11450 | 11656 | 11861 | 12066 | 12272 | 12477 | 12682 | 12888 | 13093 | 13298 | 13504 | 50 |
| | 50 | | 13504 | 13709 | 13914 | 14119 | 14325 | 14530 | 14735 | 14940 | 15145 | 15351 | 15556 | 40 |
| | 60 | | 15556 | 15761 | 15966 | 16171 | 16376 | 16581 | 16787 | 16992 | 17197 | 17402 | 17607 | 30 |
| | 70 | | 17607 | 17812 | 18017 | 18222 | 18427 | 18632 | 18837 | 19042 | 19247 | 19452 | 19657 | 20 |
| | 80 | | 19657 | 19862 | 20067 | 20272 | 20477 | 20682 | 20887 | 21092 | 21297 | 21501 | 21706 | 10 |
| | 90 | | 21706 | 21911 | 22116 | 22321 | 22526 | 22731 | 22935 | 23140 | 23345 | 23550 | 23755 | **88 oo** |
| **12** | **oo** | 8.52 | 23755 | 23959 | 24164 | 24369 | 24574 | 24778 | 24983 | 25188 | 25393 | 25597 | 25802 | 90 |
| | 10 | | 25802 | 26007 | 26211 | 26416 | 26621 | 26825 | 27030 | 27235 | 27439 | 27644 | 27848 | 80 |
| | 20 | | 27848 | 28053 | 28257 | 28462 | 28667 | 28871 | 29076 | 29280 | 29485 | 29689 | 29894 | 70 |
| | 30 | | 29894 | 30098 | 30303 | 30507 | 30712 | 30916 | 31120 | 31325 | 31529 | 31734 | 31938 | 60 |
| | 40 | | 31938 | 32143 | 32347 | 32551 | 32756 | 32960 | 33164 | 33369 | 33573 | 33777 | 33982 | 50 |
| | 50 | | 33982 | 34186 | 34390 | 34594 | 34799 | 35003 | 35207 | 35411 | 35616 | 35820 | 36024 | 40 |
| | 60 | | 36024 | 36228 | 36432 | 36637 | 36841 | 37045 | 37249 | 37453 | 37657 | 37862 | 38066 | 30 |
| | 70 | | 38066 | 38270 | 38474 | 38678 | 38882 | 39086 | 39290 | 39494 | 39698 | 39902 | 40106 | 20 |
| | 80 | | 40106 | 40310 | 40514 | 40718 | 40922 | 41126 | 41330 | 41534 | 41738 | 41942 | 42146 | 10 |
| | 90 | | 42146 | 42350 | 42554 | 42758 | 42961 | 43165 | 43369 | 43573 | 43777 | 43981 | 44185 | **87 oo** |
| **13** | **oo** | 8.52 | 44185 | 44388 | 44592 | 44796 | 45000 | 45203 | 45407 | 45611 | 45815 | 46018 | 46222 | 90 |
| | 10 | | 46222 | 46426 | 46630 | 46833 | 47037 | 47241 | 47444 | 47648 | 47852 | 48055 | 48259 | 80 |
| | 20 | | 48259 | 48463 | 48666 | 48870 | 49073 | 49277 | 49481 | 49684 | 49888 | 50091 | 50295 | 70 |
| | 30 | | 50295 | 50498 | 50702 | 50905 | 51109 | 51312 | 51516 | 51719 | 51923 | 52126 | 52330 | 60 |
| | 40 | | 52330 | 52533 | 52736 | 52940 | 53143 | 53347 | 53550 | 53753 | 53957 | 54160 | 54363 | 50 |
| | 50 | | 54363 | 54567 | 54770 | 54973 | 55177 | 55380 | 55583 | 55787 | 55990 | 56193 | 56396 | 40 |
| | 60 | | 56396 | 56600 | 56803 | 57006 | 57209 | 57412 | 57616 | 57819 | 58022 | 58225 | 58428 | 30 |
| | 70 | | 58428 | 58631 | 58835 | 59038 | 59241 | 59444 | 59647 | 59850 | 60053 | 60256 | 60459 | 20 |
| | 80 | | 60459 | 60662 | 60865 | 61068 | 61272 | 61475 | 61678 | 61881 | 62084 | 62286 | 62489 | 10 |
| | 90 | | 62489 | 62692 | 62895 | 63098 | 63301 | 63504 | 63707 | 63910 | 64113 | 64316 | 64519 | **86 oo** |
| **14** | **oo** | 8.52 | 64519 | 64721 | 64924 | 65127 | 65330 | 65533 | 65736 | 65938 | 66141 | 66344 | 66547 | 90 |
| | 10 | | 66547 | 66750 | 66952 | 67155 | 67358 | 67560 | 67763 | 67966 | 68169 | 68371 | 68574 | 80 |
| | 20 | | 68574 | 68777 | 68979 | 69182 | 69385 | 69587 | 69790 | 69992 | 70195 | 70398 | 70600 | 70 |
| | 30 | | 70600 | 70803 | 71005 | 71208 | 71411 | 71613 | 71816 | 72018 | 72221 | 72423 | 72626 | 60 |
| | 40 | | 72626 | 72828 | 73031 | 73233 | 73435 | 73638 | 73840 | 74043 | 74245 | 74448 | 74650 | 50 |
| | 50 | | 74650 | 74852 | 75055 | 75257 | 75459 | 75662 | 75864 | 76066 | 76269 | 76471 | 76673 | 40 |
| | 60 | | 76673 | 76876 | 77078 | 77280 | 77483 | 77685 | 77887 | 78089 | 78291 | 78494 | 78696 | 30 |
| | 70 | | 78696 | 78898 | 79100 | 79302 | 79505 | 79707 | 79909 | 80111 | 80313 | 80515 | 80717 | 20 |
| | 80 | | 80717 | 80920 | 81122 | 81324 | 81526 | 81728 | 81930 | 82132 | 82334 | 82536 | 82738 | 10 |
| | 90 | 8.52 | 82738 | 82940 | 83142 | 83344 | 83546 | 83748 | 83950 | 84152 | 84354 | 84556 | 84758 | **85 oo** |
| | | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $97^g\,85^c$ — log cos $97^g\,90^c$

## log tg $2^g\,10^c$ — log tg $2^g\,15^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **10** | **oo** | 8.51 84967 | 85174 | 85381 | 85588 | 85795 | 86002 | 86209 | 86416 | 86623 | 86830 | 87036 | 90 |
| | 10 | 87036 | 87243 | 87450 | 87657 | 87864 | 88071 | 88277 | 88484 | 88691 | 88898 | 89105 | 80 |
| | 20 | 89105 | 89311 | 89518 | 89725 | 89931 | 90138 | 90345 | 90552 | 90758 | 90965 | 91172 | 70 |
| | 30 | 91172 | 91378 | 91585 | 91792 | 91998 | 92205 | 92411 | 92618 | 92825 | 93031 | 93238 | 60 |
| | 40 | 93238 | 93444 | 93651 | 93857 | 94064 | 94270 | 94477 | 94683 | 94890 | 95096 | 95303 | 50 |
| | 50 | 95303 | 95509 | 95716 | 95922 | 96129 | 96335 | 96542 | 96748 | 96954 | 97161 | 97367 | 40 |
| | 60 | 97367 | 97573 | 97780 | 97986 | 98192 | 98399 | 98605 | 98811 | 99018 | 99224 | 99430 | 30 |
| | 70 | 8.51 99430 | 99637 | 99843 | *00049 | *00255 | *00462 | *00668 | *00874 | *01080 | *01286 | *01492 | 20 |
| | 80 | 8.52 01492 | 01699 | 01905 | 02111 | 02317 | 02523 | 02729 | 02935 | 03142 | 03348 | 03554 | 10 |
| | 90 | 03554 | 03760 | 03966 | 04172 | 04378 | 04584 | 04790 | 04996 | 05202 | 05408 | 05614 | **89 oo** |
| **11** | **oo** | 8.52 05614 | 05820 | 06026 | 06232 | 06438 | 06644 | 06850 | 07056 | 07261 | 07467 | 07673 | 90 |
| | 10 | 07673 | 07879 | 08085 | 08291 | 08497 | 08703 | 08908 | 09114 | 09320 | 09526 | 09732 | 80 |
| | 20 | 09732 | 09937 | 10143 | 10349 | 10555 | 10760 | 10966 | 11172 | 11378 | 11583 | 11789 | 70 |
| | 30 | 11789 | 11995 | 12200 | 12406 | 12612 | 12817 | 13023 | 13228 | 13434 | 13640 | 13845 | 60 |
| | 40 | 13845 | 14051 | 14256 | 14462 | 14668 | 14873 | 15079 | 15284 | 15490 | 15695 | 15901 | 50 |
| | 50 | 15901 | 16106 | 16312 | 16517 | 16723 | 16928 | 17133 | 17339 | 17544 | 17750 | 17955 | 40 |
| | 60 | 17955 | 18161 | 18366 | 18571 | 18777 | 18982 | 19187 | 19393 | 19598 | 19803 | 20009 | 30 |
| | 70 | 20009 | 20214 | 20419 | 20624 | 20830 | 21035 | 21240 | 21445 | 21651 | 21856 | 22061 | 20 |
| | 80 | 22061 | 22266 | 22471 | 22677 | 22882 | 23087 | 23292 | 23497 | 23702 | 23907 | 24113 | 10 |
| | 90 | 24113 | 24318 | 24523 | 24728 | 24933 | 25138 | 25343 | 25548 | 25753 | 25958 | 26163 | **88 oo** |
| **12** | **oo** | 8.52 26163 | 26368 | 26573 | 26778 | 26983 | 27188 | 27393 | 27598 | 27803 | 28008 | 28213 | 90 |
| | 10 | 28213 | 28418 | 28623 | 28827 | 29032 | 29237 | 29442 | 29647 | 29852 | 30057 | 30261 | 80 |
| | 20 | 30261 | 30466 | 30671 | 30876 | 31081 | 31285 | 31490 | 31695 | 31900 | 32104 | 32309 | 70 |
| | 30 | 32309 | 32514 | 32718 | 32923 | 33128 | 33333 | 33537 | 33742 | 33946 | 34151 | 34356 | 60 |
| | 40 | 34356 | 34560 | 34765 | 34970 | 35174 | 35379 | 35583 | 35788 | 35992 | 36197 | 36401 | 50 |
| | 50 | 36401 | 36606 | 36811 | 37015 | 37220 | 37424 | 37628 | 37833 | 38037 | 38242 | 38446 | 40 |
| | 60 | 38446 | 38651 | 38855 | 39060 | 39264 | 39468 | 39673 | 39877 | 40081 | 40286 | 40490 | 30 |
| | 70 | 40490 | 40694 | 40899 | 41103 | 41307 | 41512 | 41716 | 41920 | 42124 | 42329 | 42533 | 20 |
| | 80 | 42533 | 42737 | 42941 | 43146 | 43350 | 43554 | 43758 | 43962 | 44167 | 44371 | 44575 | 10 |
| | 90 | 44575 | 44779 | 44983 | 45187 | 45391 | 45595 | 45800 | 46004 | 46208 | 46412 | 46616 | **87 oo** |
| **13** | **oo** | 8.52 46616 | 46820 | 47024 | 47228 | 47432 | 47636 | 47840 | 48044 | 48248 | 48452 | 48656 | 90 |
| | 10 | 48656 | 48860 | 49064 | 49268 | 49471 | 49675 | 49879 | 50083 | 50287 | 50491 | 50695 | 80 |
| | 20 | 50695 | 50899 | 51102 | 51306 | 51510 | 51714 | 51918 | 52122 | 52325 | 52529 | 52733 | 70 |
| | 30 | 52733 | 52937 | 53140 | 53344 | 53548 | 53752 | 53955 | 54159 | 54363 | 54566 | 54770 | 60 |
| | 40 | 54770 | 54974 | 55177 | 55381 | 55585 | 55788 | 55992 | 56195 | 56399 | 56603 | 56806 | 50 |
| | 50 | 56806 | 57010 | 57213 | 57417 | 57620 | 57824 | 58027 | 58231 | 58434 | 58638 | 58841 | 40 |
| | 60 | 58841 | 59045 | 59248 | 59452 | 59655 | 59859 | 60062 | 60265 | 60469 | 60672 | 60876 | 30 |
| | 70 | 60876 | 61079 | 61282 | 61486 | 61689 | 61892 | 62096 | 62299 | 62502 | 62706 | 62909 | 20 |
| | 80 | 62909 | 63112 | 63316 | 63519 | 63722 | 63925 | 64128 | 64332 | 64535 | 64738 | 64941 | 10 |
| | 90 | 64941 | 65145 | 65348 | 65551 | 65754 | 65957 | 66160 | 66363 | 66567 | 66770 | 66973 | **86 oo** |
| **14** | **oo** | 8.52 66973 | 67176 | 67379 | 67582 | 67785 | 67988 | 68191 | 68394 | 68597 | 68800 | 69003 | 90 |
| | 10 | 69003 | 69206 | 69409 | 69612 | 69815 | 70018 | 70221 | 70424 | 70627 | 70830 | 71033 | 80 |
| | 20 | 71033 | 71236 | 71439 | 71641 | 71844 | 72047 | 72250 | 72453 | 72656 | 72858 | 73061 | 70 |
| | 30 | 73061 | 73264 | 73467 | 73670 | 73872 | 74075 | 74278 | 74481 | 74683 | 74886 | 75089 | 60 |
| | 40 | 75089 | 75292 | 75494 | 75697 | 75900 | 76102 | 76305 | 76508 | 76710 | 76913 | 77116 | 50 |
| | 50 | 77116 | 77318 | 77521 | 77723 | 77926 | 78129 | 78331 | 78534 | 78736 | 78939 | 79141 | 40 |
| | 60 | 79141 | 79344 | 79546 | 79749 | 79951 | 80154 | 80356 | 80559 | 80761 | 80964 | 81166 | 30 |
| | 70 | 81166 | 81369 | 81571 | 81773 | 81976 | 82178 | 82381 | 82583 | 82785 | 82988 | 83190 | 20 |
| | 80 | 83190 | 83392 | 83595 | 83797 | 83999 | 84202 | 84404 | 84606 | 84808 | 85011 | 85213 | 10 |
| | 90 | 8.52 85213 | 85415 | 85617 | 85820 | 86022 | 86224 | 86426 | 86628 | 86831 | 87033 | 87235 | **85 oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

## log ctg $97^g\,85^c$ — log ctg $97^g\,90^c$

## log sin $2^g\,15^c$ — log sin $2^g\,20^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **15** | **oo** | 8.52 84758 | 84960 | 85162 | 85363 | 85565 | 85767 | 85969 | 86171 | 86373 | 86575 | 86777 | 90 |
| | 10 | 86777 | 86978 | 87180 | 87382 | 87584 | 87786 | 87987 | 88189 | 88391 | 88593 | 88794 | 80 |
| | 20 | 88794 | 88996 | 89198 | 89399 | 89601 | 89803 | 90005 | 90206 | 90408 | 90610 | 90811 | 70 |
| | 30 | 90811 | 91013 | 91214 | 91416 | 91618 | 91819 | 92021 | 92222 | 92424 | 92626 | 92827 | 60 |
| | 40 | 92827 | 93029 | 93230 | 93432 | 93633 | 93835 | 94036 | 94238 | 94439 | 94641 | 94842 | 50 |
| | 50 | 94842 | 95044 | 95245 | 95446 | 95648 | 95849 | 96051 | 96252 | 96453 | 96655 | 96856 | 40 |
| | 60 | 96856 | 97057 | 97259 | 97460 | 97661 | 97863 | 98064 | 98265 | 98467 | 98668 | 98869 | 30 |
| | 70 | 8.52 98869 | 99071 | 99272 | 99473 | 99674 | 99875 | *00077 | *00278 | *00479 | *00680 | *00881 | 20 |
| | 80 | 8.53 00881 | 01083 | 01284 | 01485 | 01686 | 01887 | 02088 | 02289 | 02490 | 02692 | 02893 | 10 |
| | 90 | 02893 | 03094 | 03295 | 03496 | 03697 | 03898 | 04099 | 04300 | 04501 | 04702 | 04903 | **84 oo** |
| **16** | **oo** | 8.53 04903 | 05104 | 05305 | 05506 | 05707 | 05908 | 06109 | 06310 | 06511 | 06711 | 06912 | 90 |
| | 10 | 06912 | 07113 | 07314 | 07515 | 07716 | 07917 | 08118 | 08318 | 08519 | 08720 | 08921 | 80 |
| | 20 | 08921 | 09122 | 09322 | 09523 | 09724 | 09925 | 10125 | 10326 | 10527 | 10728 | 10928 | 70 |
| | 30 | 10928 | 11129 | 11330 | 11530 | 11731 | 11932 | 12132 | 12333 | 12534 | 12734 | 12935 | 60 |
| | 40 | 12935 | 13136 | 13336 | 13537 | 13737 | 13938 | 14138 | 14339 | 14540 | 14740 | 14941 | 50 |
| | 50 | 14941 | 15141 | 15342 | 15542 | 15743 | 15943 | 16144 | 16344 | 16544 | 16745 | 16945 | 40 |
| | 60 | 16945 | 17146 | 17346 | 17547 | 17747 | 17947 | 18148 | 18348 | 18548 | 18749 | 18949 | 30 |
| | 70 | 18949 | 19150 | 19350 | 19550 | 19750 | 19951 | 20151 | 20351 | 20552 | 20752 | 20952 | 20 |
| | 80 | 20952 | 21152 | 21353 | 21553 | 21753 | 21953 | 22153 | 22354 | 22554 | 22754 | 22954 | 10 |
| | 90 | 22954 | 23154 | 23354 | 23554 | 23755 | 23955 | 24155 | 24355 | 24555 | 24755 | 24955 | **83 oo** |
| **17** | **oo** | 8.53 24955 | 25155 | 25355 | 25555 | 25755 | 25955 | 26155 | 26355 | 26555 | 26755 | 26955 | 90 |
| | 10 | 26955 | 27155 | 27355 | 27555 | 27755 | 27955 | 28155 | 28355 | 28555 | 28755 | 28954 | 80 |
| | 20 | 28954 | 29154 | 29354 | 29554 | 29754 | 29954 | 30153 | 30353 | 30553 | 30753 | 30953 | 70 |
| | 30 | 30953 | 31152 | 31352 | 31552 | 31752 | 31951 | 32151 | 32351 | 32551 | 32750 | 32950 | 60 |
| | 40 | 32950 | 33150 | 33349 | 33549 | 33749 | 33948 | 34148 | 34348 | 34547 | 34747 | 34946 | 50 |
| | 50 | 34946 | 35146 | 35346 | 35545 | 35745 | 35944 | 36144 | 36343 | 36543 | 36742 | 36942 | 40 |
| | 60 | 36942 | 37141 | 37341 | 37540 | 37740 | 37939 | 38139 | 38338 | 38538 | 38737 | 38937 | 30 |
| | 70 | 38937 | 39136 | 39335 | 39535 | 39734 | 39934 | 40133 | 40332 | 40532 | 40731 | 40930 | 20 |
| | 80 | 40930 | 41130 | 41329 | 41528 | 41728 | 41927 | 42126 | 42325 | 42525 | 42724 | 42923 | 10 |
| | 90 | 42923 | 43122 | 43322 | 43521 | 43720 | 43919 | 44118 | 44317 | 44517 | 44716 | 44915 | **82 oo** |
| **18** | **oo** | 8.53 44915 | 45114 | 45313 | 45512 | 45711 | 45910 | 46110 | 46309 | 46508 | 46707 | 46906 | 90 |
| | 10 | 46906 | 47105 | 47304 | 47503 | 47702 | 47901 | 48100 | 48299 | 48498 | 48697 | 48896 | 80 |
| | 20 | 48896 | 49095 | 49294 | 49493 | 49692 | 49891 | 50089 | 50288 | 50487 | 50686 | 50885 | 70 |
| | 30 | 50885 | 51084 | 51283 | 51482 | 51680 | 51879 | 52078 | 52277 | 52476 | 52674 | 52873 | 60 |
| | 40 | 52873 | 53072 | 53271 | 53469 | 53668 | 53867 | 54066 | 54264 | 54463 | 54662 | 54860 | 50 |
| | 50 | 54860 | 55059 | 55258 | 55457 | 55655 | 55854 | 56052 | 56251 | 56450 | 56648 | 56847 | 40 |
| | 60 | 56847 | 57045 | 57244 | 57443 | 57641 | 57840 | 58038 | 58237 | 58435 | 58634 | 58832 | 30 |
| | 70 | 58832 | 59031 | 59229 | 59428 | 59626 | 59825 | 60023 | 60222 | 60420 | 60618 | 60817 | 20 |
| | 80 | 60817 | 61015 | 61214 | 61412 | 61610 | 61809 | 62007 | 62206 | 62404 | 62602 | 62801 | 10 |
| | 90 | 62801 | 62999 | 63197 | 63395 | 63594 | 63792 | 63990 | 64189 | 64387 | 64585 | 64783 | **81 oo** |
| **19** | **oo** | 8.53 64783 | 64982 | 65180 | 65378 | 65576 | 65774 | 65973 | 66171 | 66369 | 66567 | 66765 | 90 |
| | 10 | 66765 | 66963 | 67161 | 67360 | 67558 | 67756 | 67954 | 68152 | 68350 | 68548 | 68746 | 80 |
| | 20 | 68746 | 68944 | 69142 | 69340 | 69538 | 69736 | 69934 | 70132 | 70330 | 70528 | 70726 | 70 |
| | 30 | 70726 | 70924 | 71122 | 71320 | 71518 | 71716 | 71914 | 72112 | 72310 | 72507 | 72705 | 60 |
| | 40 | 72705 | 72903 | 73101 | 73299 | 73497 | 73694 | 73892 | 74090 | 74288 | 74486 | 74683 | 50 |
| | 50 | 74683 | 74881 | 75079 | 75277 | 75475 | 75672 | 75870 | 76068 | 76265 | 76463 | 76661 | 40 |
| | 60 | 76661 | 76859 | 77056 | 77254 | 77452 | 77649 | 77847 | 78044 | 78242 | 78440 | 78637 | 30 |
| | 70 | 78637 | 78835 | 79032 | 79230 | 79428 | 79625 | 79823 | 80020 | 80218 | 80415 | 80613 | 20 |
| | 80 | 80613 | 80810 | 81008 | 81205 | 81403 | 81600 | 81798 | 81995 | 82193 | 82390 | 82587 | 10 |
| | 90 | 8.53 82587 | 82785 | 82982 | 83180 | 83377 | 83574 | 83772 | 83969 | 84166 | 84364 | 84561 | **80 oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

## log cos $97^g\,80^c$ — log cos $97^g\,85^c$

## log tg $2^g\,15^c$ — log tg $2^g\,20^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **15** | **00** | 8.52 87235 | 87437 | 87639 | 87841 | 88043 | 88246 | 88448 | 88650 | 88852 | 89054 | 89256 | | 90 |
| | 10 | 89256 | 89458 | 89660 | 89862 | 90064 | 90266 | 90468 | 90670 | 90872 | 91074 | 91276 | | 80 |
| | 20 | 91276 | 91478 | 91680 | 91882 | 92084 | 92286 | 92488 | 92690 | 92891 | 93093 | 93295 | | 70 |
| | 30 | 93295 | 93497 | 93699 | 93901 | 94103 | 94304 | 94506 | 94708 | 94910 | 95112 | 95313 | | 60 |
| | 40 | 95313 | 95515 | 95717 | 95919 | 96121 | 96322 | 96524 | 96726 | 96927 | 97129 | 97331 | | 50 |
| | 50 | 97331 | 97532 | 97734 | 97936 | 98137 | 98339 | 98541 | 98742 | 98944 | 99146 | 99347 | | 40 |
| | 60 | 8.52 99347 | 99549 | 99750 | 99952 | *00153 | *00355 | *00557 | *00758 | *00960 | *01161 | *01363 | | 30 |
| | 70 | 8.53 01363 | 01564 | 01766 | 01967 | 02168 | 02370 | 02571 | 02773 | 02974 | 03176 | 03377 | | 20 |
| | 80 | 03377 | 03578 | 03780 | 03981 | 04183 | 04384 | 04585 | 04787 | 04988 | 05189 | 05391 | | 10 |
| | 90 | 05391 | 05592 | 05793 | 05995 | 06196 | 06397 | 06598 | 06800 | 07001 | 07202 | 07403 | **84** | **00** |
| **16** | **00** | 8.53 07403 | 07604 | 07806 | 08007 | 08208 | 08409 | 08610 | 08812 | 09013 | 09214 | 09415 | | 90 |
| | 10 | 09415 | 09616 | 09817 | 10018 | 10219 | 10420 | 10622 | 10823 | 11024 | 11225 | 11426 | | 80 |
| | 20 | 11426 | 11627 | 11828 | 12029 | 12230 | 12431 | 12632 | 12833 | 13034 | 13235 | 13436 | | 70 |
| | 30 | 13436 | 13636 | 13837 | 14038 | 14239 | 14440 | 14641 | 14842 | 15043 | 15244 | 15444 | | 60 |
| | 40 | 15444 | 15645 | 15846 | 16047 | 16248 | 16449 | 16649 | 16850 | 17051 | 17252 | 17452 | | 50 |
| | 50 | 17452 | 17653 | 17854 | 18055 | 18255 | 18456 | 18657 | 18858 | 19058 | 19259 | 19460 | | 40 |
| | 60 | 19460 | 19660 | 19861 | 20061 | 20262 | 20463 | 20663 | 20864 | 21065 | 21265 | 21466 | | 30 |
| | 70 | 21466 | 21666 | 21867 | 22067 | 22268 | 22468 | 22669 | 22869 | 23070 | 23270 | 23471 | | 20 |
| | 80 | 23471 | 23671 | 23872 | 24072 | 24273 | 24473 | 24674 | 24874 | 25074 | 25275 | 25475 | | 10 |
| | 90 | 25475 | 25676 | 25876 | 26076 | 26277 | 26477 | 26677 | 26878 | 27078 | 27278 | 27479 | **83** | **00** |
| **17** | **00** | 8.53 27479 | 27679 | 27879 | 28079 | 28280 | 28480 | 28680 | 28880 | 29081 | 29281 | 29481 | | 90 |
| | 10 | 29481 | 29681 | 29881 | 30082 | 30282 | 30482 | 30682 | 30882 | 31082 | 31282 | 31483 | | 80 |
| | 20 | 31483 | 31683 | 31883 | 32083 | 32283 | 32483 | 32683 | 32883 | 33083 | 33283 | 33483 | | 70 |
| | 30 | 33483 | 33683 | 33883 | 34083 | 34283 | 34483 | 34683 | 34883 | 35083 | 35283 | 35483 | | 60 |
| | 40 | 35483 | 35683 | 35883 | 36083 | 36282 | 36482 | 36682 | 36882 | 37082 | 37282 | 37482 | | 50 |
| | 50 | 37482 | 37681 | 37881 | 38081 | 38281 | 38481 | 38680 | 38880 | 39080 | 39280 | 39479 | | 40 |
| | 60 | 39479 | 39679 | 39879 | 40079 | 40278 | 40478 | 40678 | 40877 | 41077 | 41277 | 41476 | | 30 |
| | 70 | 41476 | 41676 | 41876 | 42075 | 42275 | 42475 | 42674 | 42874 | 43073 | 43273 | 43472 | | 20 |
| | 80 | 43472 | 43672 | 43871 | 44071 | 44271 | 44470 | 44670 | 44869 | 45069 | 45268 | 45468 | | 10 |
| | 90 | 45468 | 45667 | 45866 | 46066 | 46265 | 46465 | 46664 | 46864 | 47063 | 47262 | 47462 | **82** | **00** |
| **18** | **00** | 8.53 47462 | 47661 | 47860 | 48060 | 48259 | 48458 | 48658 | 48857 | 49056 | 49256 | 49455 | | 90 |
| | 10 | 49455 | 49654 | 49854 | 50053 | 50252 | 50451 | 50651 | 50850 | 51049 | 51248 | 51447 | | 80 |
| | 20 | 51447 | 51647 | 51846 | 52045 | 52244 | 52443 | 52642 | 52841 | 53041 | 53240 | 53439 | | 70 |
| | 30 | 53439 | 53638 | 53837 | 54036 | 54235 | 54434 | 54633 | 54832 | 55031 | 55230 | 55429 | | 60 |
| | 40 | 55429 | 55628 | 55827 | 56026 | 56225 | 56424 | 56623 | 56822 | 57021 | 57220 | 57419 | | 50 |
| | 50 | 57419 | 57618 | 57817 | 58016 | 58215 | 58413 | 58612 | 58811 | 59010 | 59209 | 59408 | | 40 |
| | 60 | 59408 | 59607 | 59805 | 60004 | 60203 | 60402 | 60600 | 60799 | 60998 | 61197 | 61396 | | 30 |
| | 70 | 61396 | 61594 | 61793 | 61992 | 62190 | 62389 | 62588 | 62786 | 62985 | 63184 | 63382 | | 20 |
| | 80 | 63382 | 63581 | 63780 | 63978 | 64177 | 64376 | 64574 | 64773 | 64971 | 65170 | 65368 | | 10 |
| | 90 | 65368 | 65567 | 65766 | 65964 | 66163 | 66361 | 66560 | 66758 | 66957 | 67155 | 67354 | **81** | **00** |
| **19** | **00** | 8.53 67354 | 67552 | 67750 | 67949 | 68147 | 68346 | 68544 | 68743 | 68941 | 69139 | 69338 | | 90 |
| | 10 | 69338 | 69536 | 69734 | 69933 | 70131 | 70329 | 70528 | 70726 | 70924 | 71123 | 71321 | | 80 |
| | 20 | 71321 | 71519 | 71718 | 71916 | 72114 | 72312 | 72511 | 72709 | 72907 | 73105 | 73303 | | 70 |
| | 30 | 73303 | 73502 | 73700 | 73898 | 74096 | 74294 | 74492 | 74691 | 74889 | 75087 | 75285 | | 60 |
| | 40 | 75285 | 75483 | 75681 | 75879 | 76077 | 76275 | 76473 | 76671 | 76869 | 77067 | 77265 | | 50 |
| | 50 | 77265 | 77463 | 77661 | 77859 | 78057 | 78255 | 78453 | 78651 | 78849 | 79047 | 79245 | | 40 |
| | 60 | 79245 | 79443 | 79641 | 79839 | 80037 | 80235 | 80433 | 80630 | 80828 | 81026 | 81224 | | 30 |
| | 70 | 81224 | 81422 | 81620 | 81817 | 82015 | 82213 | 82411 | 82609 | 82806 | 83004 | 83202 | | 20 |
| | 80 | 83202 | 83400 | 83597 | 83795 | 83993 | 84190 | 84388 | 84586 | 84783 | 84981 | 85179 | | 10 |
| | 90 | 8.53 85179 | 85376 | 85574 | 85772 | 85969 | 86167 | 86365 | 86562 | 86760 | 86957 | 87155 | **80** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $97^g\,80^c$ — log ctg $97^g\,85^c$

## log sin $2^g\,20^c$ — log sin $2^g\,25^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **20** | **00** | 8.53 84561 | 84758 | 84956 | 85153 | 85350 | 85548 | 85745 | 85942 | 86139 | 86337 | 86534 | | 90 |
| | 10 | 86534 | 86731 | 86928 | 87126 | 87323 | 87520 | 87717 | 87914 | 88112 | 88309 | 88506 | | 80 |
| | 20 | 88506 | 88703 | 88900 | 89097 | 89294 | 89492 | 89689 | 89886 | 90083 | 90280 | 90477 | | 70 |
| | 30 | 90477 | 90674 | 90871 | 91068 | 91265 | 91462 | 91659 | 91856 | 92053 | 92250 | 92447 | | 60 |
| | 40 | 92447 | 92644 | 92841 | 93038 | 93235 | 93432 | 93629 | 93826 | 94023 | 94219 | 94416 | | 50 |
| | 50 | 94416 | 94613 | 94810 | 95007 | 95204 | 95401 | 95597 | 95794 | 95991 | 96188 | 96385 | | 40 |
| | 60 | 96385 | 96581 | 96778 | 96975 | 97172 | 97369 | 97565 | 97762 | 97959 | 98155 | 98352 | | 30 |
| | 70 | 8.53 98352 | 98549 | 98746 | 98942 | 99139 | 99336 | 99532 | 99729 | 99925 | *00122 | *00319 | | 20 |
| | 80 | 8.54 00319 | 00515 | 00712 | 00909 | 01105 | 01302 | 01498 | 01695 | 01891 | 02088 | 02284 | | 10 |
| | 90 | 02284 | 02481 | 02677 | 02874 | 03070 | 03267 | 03463 | 03660 | 03856 | 04053 | 04249 | **79** | **00** |
| **21** | **00** | 8.54 04249 | 04446 | 04642 | 04838 | 05035 | 05231 | 05428 | 05624 | 05820 | 06017 | 06213 | | 90 |
| | 10 | 06213 | 06409 | 06606 | 06802 | 06998 | 07195 | 07391 | 07587 | 07784 | 07980 | 08176 | | 80 |
| | 20 | 08176 | 08372 | 08569 | 08765 | 08961 | 09157 | 09353 | 09550 | 09746 | 09942 | 10138 | | 70 |
| | 30 | 10138 | 10334 | 10531 | 10727 | 10923 | 11119 | 11315 | 11511 | 11707 | 11903 | 12099 | | 60 |
| | 40 | 12099 | 12296 | 12492 | 12688 | 12884 | 13080 | 13276 | 13472 | 13668 | 13864 | 14060 | | 50 |
| | 50 | 14060 | 14256 | 14452 | 14648 | 14844 | 15040 | 15236 | 15432 | 15627 | 15823 | 16019 | | 40 |
| | 60 | 16019 | 16215 | 16411 | 16607 | 16803 | 16999 | 17195 | 17390 | 17586 | 17782 | 17978 | | 30 |
| | 70 | 17978 | 18174 | 18369 | 18565 | 18761 | 18957 | 19153 | 19348 | 19544 | 19740 | 19936 | | 20 |
| | 80 | 19936 | 20131 | 20327 | 20523 | 20718 | 20914 | 21110 | 21305 | 21501 | 21697 | 21892 | | 10 |
| | 90 | 21892 | 22088 | 22284 | 22479 | 22675 | 22870 | 23066 | 23262 | 23457 | 23653 | 23848 | **78** | **00** |
| **22** | **00** | 8.54 23848 | 24044 | 24239 | 24435 | 24630 | 24826 | 25021 | 25217 | 25412 | 25608 | 25803 | | 90 |
| | 10 | 25803 | 25999 | 26194 | 26390 | 26585 | 26781 | 26976 | 27171 | 27367 | 27562 | 27757 | | 80 |
| | 20 | 27757 | 27953 | 28148 | 28344 | 28539 | 28734 | 28930 | 29125 | 29320 | 29515 | 29711 | | 70 |
| | 30 | 29711 | 29906 | 30101 | 30297 | 30492 | 30687 | 30882 | 31078 | 31273 | 31468 | 31663 | | 60 |
| | 40 | 31663 | 31858 | 32054 | 32249 | 32444 | 32639 | 32834 | 33029 | 33224 | 33420 | 33615 | | 50 |
| | 50 | 33615 | 33810 | 34005 | 34200 | 34395 | 34590 | 34785 | 34980 | 35175 | 35370 | 35565 | | 40 |
| | 60 | 35565 | 35760 | 35955 | 36150 | 36345 | 36540 | 36735 | 36930 | 37125 | 37320 | 37515 | | 30 |
| | 70 | 37515 | 37710 | 37905 | 38100 | 38295 | 38490 | 38685 | 38879 | 39074 | 39269 | 39464 | | 20 |
| | 80 | 39464 | 39659 | 39854 | 40049 | 40243 | 40438 | 40633 | 40828 | 41023 | 41217 | 41412 | | 10 |
| | 90 | 41412 | 41607 | 41802 | 41996 | 42191 | 42386 | 42580 | 42775 | 42970 | 43165 | 43359 | **77** | **00** |
| **23** | **00** | 8.54 43359 | 43554 | 43749 | 43943 | 44138 | 44332 | 44527 | 44722 | 44916 | 45111 | 45305 | | 90 |
| | 10 | 45305 | 45500 | 45695 | 45889 | 46084 | 46278 | 46473 | 46667 | 46862 | 47056 | 47251 | | 80 |
| | 20 | 47251 | 47445 | 47640 | 47834 | 48029 | 48223 | 48418 | 48612 | 48807 | 49001 | 49195 | | 70 |
| | 30 | 49195 | 49390 | 49584 | 49779 | 49973 | 50167 | 50362 | 50556 | 50750 | 50945 | 51139 | | 60 |
| | 40 | 51139 | 51333 | 51528 | 51722 | 51916 | 52111 | 52305 | 52499 | 52693 | 52888 | 53082 | | 50 |
| | 50 | 53082 | 53276 | 53470 | 53665 | 53859 | 54053 | 54247 | 54441 | 54635 | 54830 | 55024 | | 40 |
| | 60 | 55024 | 55218 | 55412 | 55606 | 55800 | 55994 | 56189 | 56383 | 56577 | 56771 | 56965 | | 30 |
| | 70 | 56965 | 57159 | 57353 | 57547 | 57741 | 57935 | 58129 | 58323 | 58517 | 58711 | 58905 | | 20 |
| | 80 | 58905 | 59099 | 59293 | 59487 | 59681 | 59875 | 60069 | 60263 | 60457 | 60650 | 60844 | | 10 |
| | 90 | 60844 | 61038 | 61232 | 61426 | 61620 | 61814 | 62008 | 62201 | 62395 | 62589 | 62783 | **76** | **00** |
| **24** | **00** | 8.54 62783 | 62977 | 63170 | 63364 | 63558 | 63752 | 63945 | 64139 | 64333 | 64527 | 64720 | | 90 |
| | 10 | 64720 | 64914 | 65108 | 65301 | 65495 | 65689 | 65883 | 66076 | 66270 | 66463 | 66657 | | 80 |
| | 20 | 66657 | 66851 | 67044 | 67238 | 67432 | 67625 | 67819 | 68012 | 68206 | 68399 | 68593 | | 70 |
| | 30 | 68593 | 68786 | 68980 | 69174 | 69367 | 69561 | 69754 | 69948 | 70141 | 70334 | 70528 | | 60 |
| | 40 | 70528 | 70721 | 70915 | 71108 | 71302 | 71495 | 71689 | 71882 | 72075 | 72269 | 72462 | | 50 |
| | 50 | 72462 | 72655 | 72849 | 73042 | 73235 | 73429 | 73622 | 73815 | 74009 | 74202 | 74395 | | 40 |
| | 60 | 74395 | 74589 | 74782 | 74975 | 75168 | 75362 | 75555 | 75748 | 75941 | 76135 | 76328 | | 30 |
| | 70 | 76328 | 76521 | 76714 | 76907 | 77100 | 77294 | 77487 | 77680 | 77873 | 78066 | 78259 | | 20 |
| | 80 | 78259 | 78452 | 78645 | 78839 | 79032 | 79225 | 79418 | 79611 | 79804 | 79997 | 80190 | | 10 |
| | 90 | 8.54 80190 | 80383 | 80576 | 80769 | 80962 | 81155 | 81348 | 81541 | 81734 | 81927 | 82120 | **75** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,75^c$ — log cos $97^g\,80^c$

## log tg $2^g\,20^c$ — log tg $2^g\,25^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **20** | **oo** | 8.53 87155 | 87352 | 87550 | 87748 | 87945 | 88143 | 88340 | 88538 | 88735 | 88933 | 89130 | | 90 |
| | 10 | 89130 | 89328 | 89525 | 89722 | 89920 | 90117 | 90315 | 90512 | 90710 | 90907 | 91104 | | 80 |
| | 20 | 91104 | 91302 | 91499 | 91696 | 91894 | 92091 | 92289 | 92486 | 92683 | 92880 | 93078 | | 70 |
| | 30 | 93078 | 93275 | 93472 | 93670 | 93867 | 94064 | 94261 | 94459 | 94656 | 94853 | 95050 | | 60 |
| | 40 | 95050 | 95247 | 95445 | 95642 | 95839 | 96036 | 96233 | 96430 | 96628 | 96825 | 97022 | | 50 |
| | 50 | 97022 | 97219 | 97416 | 97613 | 97810 | 98007 | 98204 | 98401 | 98599 | 98796 | 98993 | | 40 |
| | 60 | 8.53 98993 | 99190 | 99387 | 99584 | 99781 | 99978 | *00175 | *00372 | *00569 | *00765 | *00962 | | 30 |
| | 70 | 8.54 00962 | 01159 | 01356 | 01553 | 01750 | 01947 | 02144 | 02341 | 02538 | 02735 | 02931 | | 20 |
| | 80 | 02931 | 03128 | 03325 | 03522 | 03719 | 03915 | 04112 | 04309 | 04506 | 04703 | 04899 | | 10 |
| | 90 | 04899 | 05096 | 05293 | 05490 | 05686 | 05883 | 06080 | 06277 | 06473 | 06670 | 06867 | **79** | **oo** |
| **21** | **oo** | 8.54 06867 | 07063 | 07260 | 07457 | 07653 | 07850 | 08046 | 08243 | 08440 | 08636 | 08833 | | 90 |
| | 10 | 08833 | 09029 | 09226 | 09423 | 09619 | 09816 | 10012 | 10209 | 10405 | 10602 | 10798 | | 80 |
| | 20 | 10798 | 10995 | 11191 | 11388 | 11584 | 11781 | 11977 | 12173 | 12370 | 12566 | 12763 | | 70 |
| | 30 | 12763 | 12959 | 13156 | 13352 | 13548 | 13745 | 13941 | 14137 | 14334 | 14530 | 14726 | | 60 |
| | 40 | 14726 | 14923 | 15119 | 15315 | 15512 | 15708 | 15904 | 16100 | 16297 | 16493 | 16689 | | 50 |
| | 50 | 16689 | 16885 | 17081 | 17278 | 17474 | 17670 | 17866 | 18062 | 18259 | 18455 | 18651 | | 40 |
| | 60 | 18651 | 18847 | 19043 | 19239 | 19435 | 19631 | 19828 | 20024 | 20220 | 20416 | 20612 | | 30 |
| | 70 | 20612 | 20808 | 21004 | 21200 | 21396 | 21592 | 21788 | 21984 | 22180 | 22376 | 22572 | | 20 |
| | 80 | 22572 | 22768 | 22964 | 23160 | 23356 | 23552 | 23748 | 23943 | 24139 | 24335 | 24531 | | 10 |
| | 90 | 24531 | 24727 | 24923 | 25119 | 25315 | 25510 | 25706 | 25902 | 26098 | 26294 | 26489 | **78** | **oo** |
| **22** | **oo** | 8.54 26489 | 26685 | 26881 | 27077 | 27272 | 27468 | 27664 | 27860 | 28055 | 28251 | 28447 | | 90 |
| | 10 | 28447 | 28643 | 28838 | 29034 | 29230 | 29425 | 29621 | 29817 | 30012 | 30208 | 30403 | | 80 |
| | 20 | 30403 | 30599 | 30795 | 30990 | 31186 | 31381 | 31577 | 31772 | 31968 | 32164 | 32359 | | 70 |
| | 30 | 32359 | 32555 | 32750 | 32946 | 33141 | 33337 | 33532 | 33727 | 33923 | 34118 | 34314 | | 60 |
| | 40 | 34314 | 34509 | 34705 | 34900 | 35096 | 35291 | 35486 | 35682 | 35877 | 36072 | 36268 | | 50 |
| | 50 | 36268 | 36463 | 36658 | 36854 | 37049 | 37244 | 37440 | 37635 | 37830 | 38026 | 38221 | | 40 |
| | 60 | 38221 | 38416 | 38611 | 38807 | 39002 | 39197 | 39392 | 39587 | 39783 | 39978 | 40173 | | 30 |
| | 70 | 40173 | 40368 | 40563 | 40758 | 40954 | 41149 | 41344 | 41539 | 41734 | 41929 | 42124 | | 20 |
| | 80 | 42124 | 42319 | 42514 | 42709 | 42905 | 43100 | 43295 | 43490 | 43685 | 43880 | 44075 | | 10 |
| | 90 | 44075 | 44270 | 44465 | 44660 | 44855 | 45050 | 45244 | 45439 | 45634 | 45829 | 46024 | **77** | **oo** |
| **23** | **oo** | 8.54 46024 | 46219 | 46414 | 46609 | 46804 | 46999 | 47193 | 47388 | 47583 | 47778 | 47973 | | 90 |
| | 10 | 47973 | 48168 | 48362 | 48557 | 48752 | 48947 | 49142 | 49336 | 49531 | 49726 | 49921 | | 80 |
| | 20 | 49921 | 50115 | 50310 | 50505 | 50700 | 50894 | 51089 | 51284 | 51478 | 51673 | 51868 | | 70 |
| | 30 | 51868 | 52062 | 52257 | 52451 | 52646 | 52841 | 53035 | 53230 | 53424 | 53619 | 53814 | | 60 |
| | 40 | 53814 | 54008 | 54203 | 54397 | 54592 | 54786 | 54981 | 55175 | 55370 | 55564 | 55759 | | 50 |
| | 50 | 55759 | 55953 | 56148 | 56342 | 56537 | 56731 | 56926 | 57120 | 57314 | 57509 | 57703 | | 40 |
| | 60 | 57703 | 57898 | 58092 | 58286 | 58481 | 58675 | 58869 | 59064 | 59258 | 59452 | 59647 | | 30 |
| | 70 | 59647 | 59841 | 60035 | 60229 | 60424 | 60618 | 60812 | 61006 | 61201 | 61395 | 61589 | | 20 |
| | 80 | 61589 | 61783 | 61978 | 62172 | 62366 | 62560 | 62754 | 62948 | 63143 | 63337 | 63531 | | 10 |
| | 90 | 63531 | 63725 | 63919 | 64113 | 64307 | 64501 | 64695 | 64890 | 65084 | 65278 | 65472 | **76** | **oo** |
| **24** | **oo** | 8.54 65472 | 65666 | 65860 | 66054 | 66248 | 66442 | 66636 | 66830 | 67024 | 67218 | 67412 | | 90 |
| | 10 | 67412 | 67606 | 67800 | 67994 | 68187 | 68381 | 68575 | 68769 | 68963 | 69157 | 69351 | | 80 |
| | 20 | 69351 | 69545 | 69739 | 69932 | 70126 | 70320 | 70514 | 70708 | 70901 | 71095 | 71289 | | 70 |
| | 30 | 71289 | 71483 | 71677 | 71870 | 72064 | 72258 | 72452 | 72645 | 72839 | 73033 | 73226 | | 60 |
| | 40 | 73226 | 73420 | 73614 | 73808 | 74001 | 74195 | 74388 | 74582 | 74776 | 74969 | 75163 | | 50 |
| | 50 | 75163 | 75357 | 75550 | 75744 | 75937 | 76131 | 76325 | 76518 | 76712 | 76905 | 77099 | | 40 |
| | 60 | 77099 | 77292 | 77486 | 77679 | 77873 | 78066 | 78260 | 78453 | 78647 | 78840 | 79033 | | 30 |
| | 70 | 79033 | 79227 | 79420 | 79614 | 79807 | 80001 | 80194 | 80387 | 80581 | 80774 | 80967 | | 20 |
| | 80 | 80967 | 81161 | 81354 | 81547 | 81741 | 81934 | 82127 | 82321 | 82514 | 82707 | 82901 | | 10 |
| | 90 | 8.54 82901 | 83094 | 83287 | 83480 | 83674 | 83867 | 84060 | 84253 | 84446 | 84640 | 84833 | **75** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $97^g\,75^c$ — log ctg $97^g\,80^c$

## log sin $2^g\,25^c$ — log sin $2^g\,30^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **25** | **00** | 8.54 82120 | 82313 | 82506 | 82699 | 82891 | 83084 | 83277 | 83470 | 83663 | 83856 | 84049 | | 90 |
| | 10 | 84049 | 84242 | 84434 | 84627 | 84820 | 85013 | 85206 | 85398 | 85591 | 85784 | 85977 | | 80 |
| | 20 | 85977 | 86170 | 86362 | 86555 | 86748 | 86941 | 87133 | 87326 | 87519 | 87711 | 87904 | | 70 |
| | 30 | 87904 | 88097 | 88289 | 88482 | 88675 | 88867 | 89060 | 89253 | 89445 | 89638 | 89830 | | 60 |
| | 40 | 89830 | 90023 | 90216 | 90408 | 90601 | 90793 | 90986 | 91178 | 91371 | 91564 | 91756 | | 50 |
| | 50 | 91756 | 91949 | 92141 | 92334 | 92526 | 92718 | 92911 | 93103 | 93296 | 93488 | 93681 | | 40 |
| | 60 | 93681 | 93873 | 94066 | 94258 | 94450 | 94643 | 94835 | 95027 | 95220 | 95412 | 95605 | | 30 |
| | 70 | 95605 | 95797 | 95989 | 96182 | 96374 | 96566 | 96758 | 96951 | 97143 | 97335 | 97528 | | 20 |
| | 80 | 97528 | 97720 | 97912 | 98104 | 98296 | 98489 | 98681 | 98873 | 99065 | 99257 | 99450 | | 10 |
| | 90 | 8.54 99450 | 99642 | 99834 | *00026 | *00218 | *00410 | *00603 | *00795 | *00987 | *01179 | *01371 | **74** | **00** |
| **26** | **00** | 8.55 01371 | 01563 | 01755 | 01947 | 02139 | 02331 | 02523 | 02715 | 02907 | 03099 | 03291 | | 90 |
| | 10 | 03291 | 03483 | 03675 | 03867 | 04059 | 04251 | 04443 | 04635 | 04827 | 05019 | 05211 | | 80 |
| | 20 | 05211 | 05403 | 05595 | 05787 | 05979 | 06170 | 06362 | 06554 | 06746 | 06938 | 07130 | | 70 |
| | 30 | 07130 | 07321 | 07513 | 07705 | 07897 | 08089 | 08280 | 08472 | 08664 | 08856 | 09048 | | 60 |
| | 40 | 09048 | 09239 | 09431 | 09623 | 09814 | 10006 | 10198 | 10390 | 10581 | 10773 | 10965 | | 50 |
| | 50 | 10965 | 11156 | 11348 | 11539 | 11731 | 11923 | 12114 | 12306 | 12498 | 12689 | 12881 | | 40 |
| | 60 | 12881 | 13072 | 13264 | 13455 | 13647 | 13839 | 14030 | 14222 | 14413 | 14605 | 14796 | | 30 |
| | 70 | 14796 | 14988 | 15179 | 15371 | 15562 | 15753 | 15945 | 16136 | 16328 | 16519 | 16711 | | 20 |
| | 80 | 16711 | 16902 | 17093 | 17285 | 17476 | 17667 | 17859 | 18050 | 18242 | 18433 | 18624 | | 10 |
| | 90 | 18624 | 18816 | 19007 | 19198 | 19389 | 19581 | 19772 | 19963 | 20155 | 20346 | 20537 | **73** | **00** |
| **27** | **00** | 8.55 20537 | 20728 | 20919 | 21111 | 21302 | 21493 | 21684 | 21875 | 22067 | 22258 | 22449 | | 90 |
| | 10 | 22449 | 22640 | 22831 | 23022 | 23214 | 23405 | 23596 | 23787 | 23978 | 24169 | 24360 | | 80 |
| | 20 | 24360 | 24551 | 24742 | 24933 | 25124 | 25315 | 25506 | 25697 | 25888 | 26079 | 26270 | | 70 |
| | 30 | 26270 | 26461 | 26652 | 26843 | 27034 | 27225 | 27416 | 27607 | 27798 | 27989 | 28180 | | 60 |
| | 40 | 28180 | 28371 | 28562 | 28752 | 28943 | 29134 | 29325 | 29516 | 29707 | 29898 | 30088 | | 50 |
| | 50 | 30088 | 30279 | 30470 | 30661 | 30852 | 31042 | 31233 | 31424 | 31615 | 31805 | 31996 | | 40 |
| | 60 | 31996 | 32187 | 32378 | 32568 | 32759 | 32950 | 33140 | 33331 | 33522 | 33712 | 33903 | | 30 |
| | 70 | 33903 | 34094 | 34284 | 34475 | 34666 | 34856 | 35047 | 35237 | 35428 | 35619 | 35809 | | 20 |
| | 80 | 35809 | 36000 | 36190 | 36381 | 36571 | 36762 | 36952 | 37143 | 37333 | 37524 | 37714 | | 10 |
| | 90 | 37714 | 37905 | 38095 | 38286 | 38476 | 38667 | 38857 | 39048 | 39238 | 39428 | 39619 | **72** | **00** |
| **28** | **00** | 8.55 39619 | 39809 | 40000 | 40190 | 40380 | 40571 | 40761 | 40951 | 41142 | 41332 | 41522 | | 90 |
| | 10 | 41522 | 41713 | 41903 | 42093 | 42284 | 42474 | 42664 | 42854 | 43045 | 43235 | 43425 | | 80 |
| | 20 | 43425 | 43615 | 43806 | 43996 | 44186 | 44376 | 44566 | 44757 | 44947 | 45137 | 45327 | | 70 |
| | 30 | 45327 | 45517 | 45707 | 45897 | 46088 | 46278 | 46468 | 46658 | 46848 | 47038 | 47228 | | 60 |
| | 40 | 47228 | 47418 | 47608 | 47798 | 47988 | 48178 | 48368 | 48558 | 48748 | 48938 | 49128 | | 50 |
| | 50 | 49128 | 49318 | 49508 | 49698 | 49888 | 50078 | 50268 | 50458 | 50648 | 50838 | 51028 | | 40 |
| | 60 | 51028 | 51218 | 51407 | 51597 | 51787 | 51977 | 52167 | 52357 | 52547 | 52736 | 52926 | | 30 |
| | 70 | 52926 | 53116 | 53306 | 53496 | 53685 | 53875 | 54065 | 54255 | 54445 | 54634 | 54824 | | 20 |
| | 80 | 54824 | 55014 | 55203 | 55393 | 55583 | 55773 | 55962 | 56152 | 56342 | 56531 | 56721 | | 10 |
| | 90 | 56721 | 56911 | 57100 | 57290 | 57479 | 57669 | 57859 | 58048 | 58238 | 58427 | 58617 | **71** | **00** |
| **29** | **00** | 8.55 58617 | 58807 | 58996 | 59186 | 59375 | 59565 | 59754 | 59944 | 60133 | 60323 | 60512 | | 90 |
| | 10 | 60512 | 60702 | 60891 | 61081 | 61270 | 61460 | 61649 | 61838 | 62028 | 62217 | 62407 | | 80 |
| | 20 | 62407 | 62596 | 62785 | 62975 | 63164 | 63354 | 63543 | 63732 | 63922 | 64111 | 64300 | | 70 |
| | 30 | 64300 | 64490 | 64679 | 64868 | 65057 | 65247 | 65436 | 65625 | 65815 | 66004 | 66193 | | 60 |
| | 40 | 66193 | 66382 | 66571 | 66761 | 66950 | 67139 | 67328 | 67517 | 67707 | 67896 | 68085 | | 50 |
| | 50 | 68085 | 68274 | 68463 | 68652 | 68842 | 69031 | 69220 | 69409 | 69598 | 69787 | 69976 | | 40 |
| | 60 | 69976 | 70165 | 70354 | 70543 | 70732 | 70921 | 71110 | 71299 | 71488 | 71677 | 71866 | | 30 |
| | 70 | 71866 | 72055 | 72244 | 72433 | 72622 | 72811 | 73000 | 73189 | 73378 | 73567 | 73756 | | 20 |
| | 80 | 73756 | 73945 | 74134 | 74323 | 74511 | 74700 | 74889 | 75078 | 75267 | 75456 | 75644 | | 10 |
| | 90 | 8.55 75644 | 75833 | 76022 | 76211 | 76400 | 76589 | 76777 | 76966 | 77155 | 77344 | 77532 | **70** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,70^c$ — log cos $97^g\,75^c$

## log tg $2^g\,25^c$ — log tg $2^g\,30^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **25** | **oo** | 8.54 84833 | 85026 | 85219 | 85412 | 85605 | 85799 | 85992 | 86185 | 86378 | 86571 | 86764 | | 90 |
| | 10 | 86764 | 86957 | 87150 | 87343 | 87536 | 87730 | 87923 | 88116 | 88309 | 88502 | 88695 | | 80 |
| | 20 | 88695 | 88888 | 89081 | 89274 | 89467 | 89660 | 89853 | 90046 | 90238 | 90431 | 90624 | | 70 |
| | 30 | 90624 | 90817 | 91010 | 91203 | 91396 | 91589 | 91782 | 91975 | 92167 | 92360 | 92553 | | 60 |
| | 40 | 92553 | 92746 | 92939 | 93132 | 93324 | 93517 | 93710 | 93903 | 94096 | 94288 | 94481 | | 50 |
| | 50 | 94481 | 94674 | 94867 | 95059 | 95252 | 95445 | 95637 | 95830 | 96023 | 96216 | 96408 | | 40 |
| | 60 | 96408 | 96601 | 96794 | 96986 | 97179 | 97371 | 97564 | 97757 | 97949 | 98142 | 98334 | | 30 |
| | 70 | 8.54 98334 | 98527 | 98720 | 98912 | 99105 | 99297 | 99490 | 99682 | 99875 | *00067 | *00260 | | 20 |
| | 80 | 8.55 00260 | 00452 | 00645 | 00837 | 01030 | 01222 | 01415 | 01607 | 01800 | 01992 | 02184 | | 10 |
| | 90 | 02184 | 02377 | 02569 | 02762 | 02954 | 03146 | 03339 | 03531 | 03723 | 03916 | 04108 | **74** | **oo** |
| **26** | **oo** | 8.55 04108 | 04300 | 04493 | 04685 | 04877 | 05070 | 05262 | 05454 | 05646 | 05839 | 06031 | | 90 |
| | 10 | 06031 | 06223 | 06415 | 06608 | 06800 | 06992 | 07184 | 07376 | 07569 | 07761 | 07953 | | 80 |
| | 20 | 07953 | 08145 | 08337 | 08529 | 08722 | 08914 | 09106 | 09298 | 09490 | 09682 | 09874 | | 70 |
| | 30 | 09874 | 10066 | 10258 | 10450 | 10642 | 10834 | 11026 | 11218 | 11410 | 11602 | 11794 | | 60 |
| | 40 | 11794 | 11986 | 12178 | 12370 | 12562 | 12754 | 12946 | 13138 | 13330 | 13522 | 13714 | | 50 |
| | 50 | 13714 | 13906 | 14098 | 14290 | 14481 | 14673 | 14865 | 15057 | 15249 | 15441 | 15632 | | 40 |
| | 60 | 15632 | 15824 | 16016 | 16208 | 16400 | 16591 | 16783 | 16975 | 17167 | 17358 | 17550 | | 30 |
| | 70 | 17550 | 17742 | 17934 | 18125 | 18317 | 18509 | 18700 | 18892 | 19084 | 19275 | 19467 | | 20 |
| | 80 | 19467 | 19659 | 19850 | 20042 | 20234 | 20425 | 20617 | 20808 | 21000 | 21192 | 21383 | | 10 |
| | 90 | 21383 | 21575 | 21766 | 21958 | 22149 | 22341 | 22532 | 22724 | 22915 | 23107 | 23298 | **73** | **oo** |
| **27** | **oo** | 8.55 23298 | 23490 | 23681 | 23873 | 24064 | 24256 | 24447 | 24639 | 24830 | 25021 | 25213 | | 90 |
| | 10 | 25213 | 25404 | 25596 | 25787 | 25978 | 26170 | 26361 | 26552 | 26744 | 26935 | 27126 | | 80 |
| | 20 | 27126 | 27318 | 27509 | 27700 | 27892 | 28083 | 28274 | 28465 | 28657 | 28848 | 29039 | | 70 |
| | 30 | 29039 | 29230 | 29422 | 29613 | 29804 | 29995 | 30186 | 30378 | 30569 | 30760 | 30951 | | 60 |
| | 40 | 30951 | 31142 | 31333 | 31524 | 31716 | 31907 | 32098 | 32289 | 32480 | 32671 | 32862 | | 50 |
| | 50 | 32862 | 33053 | 33244 | 33435 | 33626 | 33817 | 34008 | 34199 | 34390 | 34581 | 34772 | | 40 |
| | 60 | 34772 | 34963 | 35154 | 35345 | 35536 | 35727 | 35918 | 36109 | 36300 | 36491 | 36682 | | 30 |
| | 70 | 36682 | 36872 | 37063 | 37254 | 37445 | 37636 | 37827 | 38018 | 38208 | 38399 | 38590 | | 20 |
| | 80 | 38590 | 38781 | 38972 | 39162 | 39353 | 39544 | 39735 | 39926 | 40116 | 40307 | 40498 | | 10 |
| | 90 | 40498 | 40689 | 40879 | 41070 | 41261 | 41451 | 41642 | 41833 | 42023 | 42214 | 42405 | **72** | **oo** |
| **28** | **oo** | 8.55 42405 | 42595 | 42786 | 42977 | 43167 | 43358 | 43548 | 43739 | 43930 | 44120 | 44311 | | 90 |
| | 10 | 44311 | 44501 | 44692 | 44882 | 45073 | 45263 | 45454 | 45644 | 45835 | 46025 | 46216 | | 80 |
| | 20 | 46216 | 46406 | 46597 | 46787 | 46978 | 47168 | 47359 | 47549 | 47739 | 47930 | 48120 | | 70 |
| | 30 | 48120 | 48311 | 48501 | 48691 | 48882 | 49072 | 49262 | 49453 | 49643 | 49833 | 50024 | | 60 |
| | 40 | 50024 | 50214 | 50404 | 50595 | 50785 | 50975 | 51165 | 51356 | 51546 | 51736 | 51926 | | 50 |
| | 50 | 51926 | 52117 | 52307 | 52497 | 52687 | 52877 | 53068 | 53258 | 53448 | 53638 | 53828 | | 40 |
| | 60 | 53828 | 54018 | 54208 | 54399 | 54589 | 54779 | 54969 | 55159 | 55349 | 55539 | 55729 | | 30 |
| | 70 | 55729 | 55919 | 56109 | 56299 | 56489 | 56679 | 56869 | 57059 | 57249 | 57439 | 57629 | | 20 |
| | 80 | 57629 | 57819 | 58009 | 58199 | 58389 | 58579 | 58769 | 58959 | 59149 | 59339 | 59529 | | 10 |
| | 90 | 59529 | 59719 | 59909 | 60098 | 60288 | 60478 | 60668 | 60858 | 61048 | 61237 | 61427 | **71** | **oo** |
| **29** | **oo** | 8.55 61427 | 61617 | 61807 | 61997 | 62186 | 62376 | 62566 | 62756 | 62946 | 63135 | 63325 | | 90 |
| | 10 | 63325 | 63515 | 63704 | 63894 | 64084 | 64274 | 64463 | 64653 | 64843 | 65032 | 65222 | | 80 |
| | 20 | 65222 | 65412 | 65601 | 65791 | 65980 | 66170 | 66360 | 66549 | 66739 | 66928 | 67118 | | 70 |
| | 30 | 67118 | 67308 | 67497 | 67687 | 67876 | 68066 | 68255 | 68445 | 68634 | 68824 | 69013 | | 60 |
| | 40 | 69013 | 69203 | 69392 | 69582 | 69771 | 69960 | 70150 | 70339 | 70529 | 70718 | 70908 | | 50 |
| | 50 | 70908 | 71097 | 71286 | 71476 | 71665 | 71854 | 72044 | 72233 | 72423 | 72612 | 72801 | | 40 |
| | 60 | 72801 | 72990 | 73180 | 73369 | 73558 | 73748 | 73937 | 74126 | 74315 | 74505 | 74694 | | 30 |
| | 70 | 74694 | 74883 | 75072 | 75262 | 75451 | 75640 | 75829 | 76018 | 76208 | 76397 | 76586 | | 20 |
| | 80 | 76586 | 76775 | 76964 | 77153 | 77342 | 77532 | 77721 | 77910 | 78099 | 78288 | 78477 | | 10 |
| | 90 | 8.55 78477 | 78666 | 78855 | 79044 | 79233 | 79422 | 79611 | 79800 | 79989 | 80178 | 80367 | **70** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $97^g\,70^c$ — log ctg $97^g\,75^c$

## log sin $2^g\,30^c$ — log sin $2^g\,35^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **30** | **00** | 8.55 77532 | 77721 | 77910 | 78099 | 78287 | 78476 | 78665 | 78853 | 79042 | 79231 | 79419 | | 90 |
| | 10 | 79419 | 79608 | 79797 | 79985 | 80174 | 80363 | 80551 | 80740 | 80928 | 81117 | 81306 | | 80 |
| | 20 | 81306 | 81494 | 81683 | 81871 | 82060 | 82248 | 82437 | 82625 | 82814 | 83002 | 83191 | | 70 |
| | 30 | 83191 | 83379 | 83568 | 83756 | 83945 | 84133 | 84322 | 84510 | 84699 | 84887 | 85075 | | 60 |
| | 40 | 85075 | 85264 | 85452 | 85641 | 85829 | 86017 | 86206 | 86394 | 86582 | 86771 | 86959 | | 50 |
| | 50 | 86959 | 87147 | 87336 | 87524 | 87712 | 87901 | 88089 | 88277 | 88466 | 88654 | 88842 | | 40 |
| | 60 | 88842 | 89030 | 89219 | 89407 | 89595 | 89783 | 89971 | 90160 | 90348 | 90536 | 90724 | | 30 |
| | 70 | 90724 | 90912 | 91100 | 91289 | 91477 | 91665 | 91853 | 92041 | 92229 | 92417 | 92605 | | 20 |
| | 80 | 92605 | 92793 | 92982 | 93170 | 93358 | 93546 | 93734 | 93922 | 94110 | 94298 | 94486 | | 10 |
| | 90 | 94486 | 94674 | 94862 | 95050 | 95238 | 95426 | 95614 | 95802 | 95990 | 96178 | 96366 | **69** | **00** |
| **31** | **00** | 8.55 96366 | 96553 | 96741 | 96929 | 97117 | 97305 | 97493 | 97681 | 97869 | 98057 | 98244 | | 90 |
| | 10 | 8.55 98244 | 98432 | 98620 | 98808 | 98996 | 99183 | 99371 | 99559 | 99747 | 99935 | *00122 | | 80 |
| | 20 | 8.56 00122 | 00310 | 00498 | 00686 | 00873 | 01061 | 01249 | 01436 | 01624 | 01812 | 02000 | | 70 |
| | 30 | 02000 | 02187 | 02375 | 02563 | 02750 | 02938 | 03126 | 03313 | 03501 | 03688 | 03876 | | 60 |
| | 40 | 03876 | 04064 | 04251 | 04439 | 04626 | 04814 | 05001 | 05189 | 05376 | 05564 | 05752 | | 50 |
| | 50 | 05752 | 05939 | 06127 | 06314 | 06502 | 06689 | 06877 | 07064 | 07251 | 07439 | 07626 | | 40 |
| | 60 | 07626 | 07814 | 08001 | 08189 | 08376 | 08563 | 08751 | 08938 | 09126 | 09313 | 09500 | | 30 |
| | 70 | 09500 | 09688 | 09875 | 10062 | 10250 | 10437 | 10624 | 10812 | 10999 | 11186 | 11373 | | 20 |
| | 80 | 11373 | 11561 | 11748 | 11935 | 12122 | 12310 | 12497 | 12684 | 12871 | 13059 | 13246 | | 10 |
| | 90 | 13246 | 13433 | 13620 | 13807 | 13994 | 14182 | 14369 | 14556 | 14743 | 14930 | 15117 | **68** | **00** |
| **32** | **00** | 8.56 15117 | 15304 | 15492 | 15679 | 15866 | 16053 | 16240 | 16427 | 16614 | 16801 | 16988 | | 90 |
| | 10 | 16988 | 17175 | 17362 | 17549 | 17736 | 17923 | 18110 | 18297 | 18484 | 18671 | 18858 | | 80 |
| | 20 | 18858 | 19045 | 19232 | 19419 | 19606 | 19793 | 19980 | 20166 | 20353 | 20540 | 20727 | | 70 |
| | 30 | 20727 | 20914 | 21101 | 21288 | 21474 | 21661 | 21848 | 22035 | 22222 | 22409 | 22595 | | 60 |
| | 40 | 22595 | 22782 | 22969 | 23156 | 23342 | 23529 | 23716 | 23903 | 24089 | 24276 | 24463 | | 50 |
| | 50 | 24463 | 24650 | 24836 | 25023 | 25210 | 25396 | 25583 | 25770 | 25956 | 26143 | 26330 | | 40 |
| | 60 | 26330 | 26516 | 26703 | 26889 | 27076 | 27263 | 27449 | 27636 | 27822 | 28009 | 28195 | | 30 |
| | 70 | 28195 | 28382 | 28569 | 28755 | 28942 | 29128 | 29315 | 29501 | 29688 | 29874 | 30061 | | 20 |
| | 80 | 30061 | 30247 | 30433 | 30620 | 30806 | 30993 | 31179 | 31366 | 31552 | 31738 | 31925 | | 10 |
| | 90 | 31925 | 32111 | 32298 | 32484 | 32670 | 32857 | 33043 | 33229 | 33416 | 33602 | 33788 | **67** | **00** |
| **33** | **00** | 8.56 33788 | 33975 | 34161 | 34347 | 34534 | 34720 | 34906 | 35092 | 35279 | 35465 | 35651 | | 90 |
| | 10 | 35651 | 35837 | 36023 | 36210 | 36396 | 36582 | 36768 | 36954 | 37141 | 37327 | 37513 | | 80 |
| | 20 | 37513 | 37699 | 37885 | 38071 | 38257 | 38444 | 38630 | 38816 | 39002 | 39188 | 39374 | | 70 |
| | 30 | 39374 | 39560 | 39746 | 39932 | 40118 | 40304 | 40490 | 40676 | 40862 | 41048 | 41234 | | 60 |
| | 40 | 41234 | 41420 | 41606 | 41792 | 41978 | 42164 | 42350 | 42536 | 42722 | 42908 | 43094 | | 50 |
| | 50 | 43094 | 43280 | 43466 | 43652 | 43837 | 44023 | 44209 | 44395 | 44581 | 44767 | 44953 | | 40 |
| | 60 | 44953 | 45138 | 45324 | 45510 | 45696 | 45882 | 46067 | 46253 | 46439 | 46625 | 46810 | | 30 |
| | 70 | 46810 | 46996 | 47182 | 47368 | 47553 | 47739 | 47925 | 48110 | 48296 | 48482 | 48668 | | 20 |
| | 80 | 48668 | 48853 | 49039 | 49225 | 49410 | 49596 | 49781 | 49967 | 50153 | 50338 | 50524 | | 10 |
| | 90 | 50524 | 50709 | 50895 | 51081 | 51266 | 51452 | 51637 | 51823 | 52008 | 52194 | 52379 | **66** | **00** |
| **34** | **00** | 8.56 52379 | 52565 | 52750 | 52936 | 53121 | 53307 | 53492 | 53678 | 53863 | 54049 | 54234 | | 90 |
| | 10 | 54234 | 54420 | 54605 | 54790 | 54976 | 55161 | 55347 | 55532 | 55717 | 55903 | 56088 | | 80 |
| | 20 | 56088 | 56273 | 56459 | 56644 | 56829 | 57015 | 57200 | 57385 | 57571 | 57756 | 57941 | | 70 |
| | 30 | 57941 | 58126 | 58312 | 58497 | 58682 | 58867 | 59053 | 59238 | 59423 | 59608 | 59794 | | 60 |
| | 40 | 59794 | 59979 | 60164 | 60349 | 60534 | 60719 | 60905 | 61090 | 61275 | 61460 | 61645 | | 50 |
| | 50 | 61645 | 61830 | 62015 | 62200 | 62385 | 62571 | 62756 | 62941 | 63126 | 63311 | 63496 | | 40 |
| | 60 | 63496 | 63681 | 63866 | 64051 | 64236 | 64421 | 64606 | 64791 | 64976 | 65161 | 65346 | | 30 |
| | 70 | 65346 | 65531 | 65716 | 65901 | 66086 | 66271 | 66455 | 66640 | 66825 | 67010 | 67195 | | 20 |
| | 80 | 67195 | 67380 | 67565 | 67750 | 67934 | 68119 | 68304 | 68489 | 68674 | 68859 | 69043 | | 10 |
| | 90 | 8.56 69043 | 69228 | 69413 | 69598 | 69783 | 69967 | 70152 | 70337 | 70522 | 70706 | 70891 | **65** | **00** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,65^c$ — log cos $97^g\,70^c$

## log tg $2^g\,30^c$ — log tg $2^g\,35^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **30** | **oo** | 8.55 80367 | 80556 | 80745 | 80934 | 81123 | 81312 | 81501 | 81690 | 81879 | 82068 | 82257 | 90 |
| | 10 | 82257 | 82446 | 82635 | 82823 | 83012 | 83201 | 83390 | 83579 | 83768 | 83957 | 84145 | 80 |
| | 20 | 84145 | 84334 | 84523 | 84712 | 84901 | 85089 | 85278 | 85467 | 85656 | 85844 | 86033 | 70 |
| | 30 | 86033 | 86222 | 86411 | 86599 | 86788 | 86977 | 87166 | 87354 | 87543 | 87732 | 87920 | 60 |
| | 40 | 87920 | 88109 | 88298 | 88486 | 88675 | 88863 | 89052 | 89241 | 89429 | 89618 | 89806 | 50 |
| | 50 | 89806 | 89995 | 90184 | 90372 | 90561 | 90749 | 90938 | 91126 | 91315 | 91503 | 91692 | 40 |
| | 60 | 91692 | 91880 | 92069 | 92257 | 92446 | 92634 | 92823 | 93011 | 93200 | 93388 | 93576 | 30 |
| | 70 | 93576 | 93765 | 93953 | 94142 | 94330 | 94518 | 94707 | 94895 | 95083 | 95272 | 95460 | 20 |
| | 80 | 95460 | 95648 | 95837 | 96025 | 96213 | 96402 | 96590 | 96778 | 96967 | 97155 | 97343 | 10 |
| | 90 | 97343 | 97531 | 97720 | 97908 | 98096 | 98284 | 98472 | 98661 | 98849 | 99037 | 99225 | **69 oo** |
| **31** | **oo** | 8.55 99225 | 99413 | 99601 | 99790 | 99978 | *00166 | *00354 | *00542 | *00730 | *00918 | *01106 | 90 |
| | 10 | 8.56 01106 | 01295 | 01483 | 01671 | 01859 | 02047 | 02235 | 02423 | 02611 | 02799 | 02987 | 80 |
| | 20 | 02987 | 03175 | 03363 | 03551 | 03739 | 03927 | 04115 | 04303 | 04491 | 04679 | 04867 | 70 |
| | 30 | 04867 | 05055 | 05242 | 05430 | 05618 | 05806 | 05994 | 06182 | 06370 | 06558 | 06746 | 60 |
| | 40 | 06746 | 06933 | 07121 | 07309 | 07497 | 07685 | 07872 | 08060 | 08248 | 08436 | 08624 | 50 |
| | 50 | 08624 | 08811 | 08999 | 09187 | 09375 | 09562 | 09750 | 09938 | 10125 | 10313 | 10501 | 40 |
| | 60 | 10501 | 10689 | 10876 | 11064 | 11252 | 11439 | 11627 | 11814 | 12002 | 12190 | 12377 | 30 |
| | 70 | 12377 | 12565 | 12752 | 12940 | 13128 | 13315 | 13503 | 13690 | 13878 | 14065 | 14253 | 20 |
| | 80 | 14253 | 14440 | 14628 | 14815 | 15003 | 15190 | 15378 | 15565 | 15753 | 15940 | 16128 | 10 |
| | 90 | 16128 | 16315 | 16503 | 16690 | 16877 | 17065 | 17252 | 17440 | 17627 | 17814 | 18002 | **68 oo** |
| **32** | **oo** | 8.56 18002 | 18189 | 18376 | 18564 | 18751 | 18938 | 19126 | 19313 | 19500 | 19688 | 19875 | 90 |
| | 10 | 19875 | 20062 | 20250 | 20437 | 20624 | 20811 | 20999 | 21186 | 21373 | 21560 | 21747 | 80 |
| | 20 | 21747 | 21935 | 22122 | 22309 | 22496 | 22683 | 22870 | 23058 | 23245 | 23432 | 23619 | 70 |
| | 30 | 23619 | 23806 | 23993 | 24180 | 24367 | 24554 | 24742 | 24929 | 25116 | 25303 | 25490 | 60 |
| | 40 | 25490 | 25677 | 25864 | 26051 | 26238 | 26425 | 26612 | 26799 | 26986 | 27173 | 27360 | 50 |
| | 50 | 27360 | 27547 | 27734 | 27921 | 28108 | 28294 | 28481 | 28668 | 28855 | 29042 | 29229 | 40 |
| | 60 | 29229 | 29416 | 29603 | 29790 | 29976 | 30163 | 30350 | 30537 | 30724 | 30911 | 31097 | 30 |
| | 70 | 31097 | 31284 | 31471 | 31658 | 31845 | 32031 | 32218 | 32405 | 32592 | 32778 | 32965 | 20 |
| | 80 | 32965 | 33152 | 33338 | 33525 | 33712 | 33898 | 34085 | 34272 | 34458 | 34645 | 34832 | 10 |
| | 90 | 34832 | 35018 | 35205 | 35392 | 35578 | 35765 | 35951 | 36138 | 36325 | 36511 | 36698 | **67 oo** |
| **33** | **oo** | 8.56 36698 | 36884 | 37071 | 37257 | 37444 | 37630 | 37817 | 38003 | 38190 | 38376 | 38563 | 90 |
| | 10 | 38563 | 38749 | 38936 | 39122 | 39309 | 39495 | 39682 | 39868 | 40055 | 40241 | 40427 | 80 |
| | 20 | 40427 | 40614 | 40800 | 40986 | 41173 | 41359 | 41546 | 41732 | 41918 | 42105 | 42291 | 70 |
| | 30 | 42291 | 42477 | 42664 | 42850 | 43036 | 43222 | 43409 | 43595 | 43781 | 43967 | 44154 | 60 |
| | 40 | 44154 | 44340 | 44526 | 44712 | 44899 | 45085 | 45271 | 45457 | 45643 | 45830 | 46016 | 50 |
| | 50 | 46016 | 46202 | 46388 | 46574 | 46760 | 46946 | 47133 | 47319 | 47505 | 47691 | 47877 | 40 |
| | 60 | 47877 | 48063 | 48249 | 48435 | 48621 | 48807 | 48993 | 49179 | 49365 | 49551 | 49737 | 30 |
| | 70 | 49737 | 49923 | 50109 | 50295 | 50481 | 50667 | 50853 | 51039 | 51225 | 51411 | 51597 | 20 |
| | 80 | 51597 | 51783 | 51969 | 52155 | 52341 | 52526 | 52712 | 52898 | 53084 | 53270 | 53456 | 10 |
| | 90 | 53456 | 53642 | 53827 | 54013 | 54199 | 54385 | 54571 | 54756 | 54942 | 55128 | 55314 | **66 oo** |
| **34** | **oo** | 8.56 55314 | 55500 | 55685 | 55871 | 56057 | 56243 | 56428 | 56614 | 56800 | 56985 | 57171 | 90 |
| | 10 | 57171 | 57357 | 57542 | 57728 | 57914 | 58099 | 58285 | 58471 | 58656 | 58842 | 59027 | 80 |
| | 20 | 59027 | 59213 | 59399 | 59584 | 59770 | 59955 | 60141 | 60327 | 60512 | 60698 | 60883 | 70 |
| | 30 | 60883 | 61069 | 61254 | 61440 | 61625 | 61811 | 61996 | 62182 | 62367 | 62553 | 62738 | 60 |
| | 40 | 62738 | 62923 | 63109 | 63294 | 63480 | 63665 | 63851 | 64036 | 64221 | 64407 | 64592 | 50 |
| | 50 | 64592 | 64777 | 64963 | 65148 | 65333 | 65519 | 65704 | 65889 | 66075 | 66260 | 66445 | 40 |
| | 60 | 66445 | 66631 | 66816 | 67001 | 67186 | 67372 | 67557 | 67742 | 67927 | 68113 | 68298 | 30 |
| | 70 | 68298 | 68483 | 68668 | 68853 | 69039 | 69224 | 69409 | 69594 | 69779 | 69964 | 70150 | 20 |
| | 80 | 70150 | 70335 | 70520 | 70705 | 70890 | 71075 | 71260 | 71445 | 71630 | 71815 | 72000 | 10 |
| | 90 | 8.56 72000 | 72186 | 72371 | 72556 | 72741 | 72926 | 73111 | 73296 | 73481 | 73666 | 73851 | **65 oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

## log ctg $97^g\,65^c$ — log ctg $97^g\,70^c$

## log sin $2^g\,35^c$ — log sin $2^g\,40^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **35** | **oo** | 8.56 70891 | 71076 | 71260 | 71445 | 71630 | 71815 | 71999 | 72184 | 72369 | 72553 | 72738 | 90 |
| | 10 | 72738 | 72923 | 73107 | 73292 | 73476 | 73661 | 73846 | 74030 | 74215 | 74399 | 74584 | 80 |
| | 20 | 74584 | 74768 | 74953 | 75138 | 75322 | 75507 | 75691 | 75876 | 76060 | 76245 | 76429 | 70 |
| | 30 | 76429 | 76614 | 76798 | 76983 | 77167 | 77352 | 77536 | 77720 | 77905 | 78089 | 78274 | 60 |
| | 40 | 78274 | 78458 | 78642 | 78827 | 79011 | 79196 | 79380 | 79564 | 79749 | 79933 | 80117 | 50 |
| | 50 | 80117 | 80302 | 80486 | 80670 | 80855 | 81039 | 81223 | 81407 | 81592 | 81776 | 81960 | 40 |
| | 60 | 81960 | 82144 | 82329 | 82513 | 82697 | 82881 | 83066 | 83250 | 83434 | 83618 | 83802 | 30 |
| | 70 | 83802 | 83987 | 84171 | 84355 | 84539 | 84723 | 84907 | 85091 | 85276 | 85460 | 85644 | 20 |
| | 80 | 85644 | 85828 | 86012 | 86196 | 86380 | 86564 | 86748 | 86932 | 87116 | 87300 | 87484 | 10 |
| | 90 | 87484 | 87668 | 87852 | 88036 | 88220 | 88404 | 88588 | 88772 | 88956 | 89140 | 89324 | **64 oo** |
| **36** | **oo** | 8.56 89324 | 89508 | 89692 | 89876 | 90060 | 90244 | 90428 | 90611 | 90795 | 90979 | 91163 | 90 |
| | 10 | 91163 | 91347 | 91531 | 91715 | 91898 | 92082 | 92266 | 92450 | 92634 | 92817 | 93001 | 80 |
| | 20 | 93001 | 93185 | 93369 | 93553 | 93736 | 93920 | 94104 | 94288 | 94471 | 94655 | 94839 | 70 |
| | 30 | 94839 | 95022 | 95206 | 95390 | 95573 | 95757 | 95941 | 96124 | 96308 | 96492 | 96675 | 60 |
| | 40 | 96675 | 96859 | 97043 | 97226 | 97410 | 97593 | 97777 | 97961 | 98144 | 98328 | 98511 | 50 |
| | 50 | 8.56 98511 | 98695 | 98878 | 99062 | 99245 | 99429 | 99612 | 99796 | 99979 | *00163 | *00346 | 40 |
| | 60 | 8.57 00346 | 00530 | 00713 | 00897 | 01080 | 01264 | 01447 | 01630 | 01814 | 01997 | 02181 | 30 |
| | 70 | 02181 | 02364 | 02547 | 02731 | 02914 | 03098 | 03281 | 03464 | 03648 | 03831 | 04014 | 20 |
| | 80 | 04014 | 04198 | 04381 | 04564 | 04747 | 04931 | 05114 | 05297 | 05481 | 05664 | 05847 | 10 |
| | 90 | 05847 | 06030 | 06213 | 06397 | 06580 | 06763 | 06946 | 07130 | 07313 | 07496 | 07679 | **63 oo** |
| **37** | **oo** | 8.57 07679 | 07862 | 08045 | 08228 | 08412 | 08595 | 08778 | 08961 | 09144 | 09327 | 09510 | 90 |
| | 10 | 09510 | 09693 | 09876 | 10059 | 10243 | 10426 | 10609 | 10792 | 10975 | 11158 | 11341 | 80 |
| | 20 | 11341 | 11524 | 11707 | 11890 | 12073 | 12256 | 12439 | 12622 | 12805 | 12987 | 13170 | 70 |
| | 30 | 13170 | 13353 | 13536 | 13719 | 13902 | 14085 | 14268 | 14451 | 14634 | 14816 | 14999 | 60 |
| | 40 | 14999 | 15182 | 15365 | 15548 | 15731 | 15913 | 16096 | 16279 | 16462 | 16645 | 16827 | 50 |
| | 50 | 16827 | 17010 | 17193 | 17376 | 17559 | 17741 | 17924 | 18107 | 18289 | 18472 | 18655 | 40 |
| | 60 | 18655 | 18838 | 19020 | 19203 | 19386 | 19568 | 19751 | 19934 | 20116 | 20299 | 20481 | 30 |
| | 70 | 20481 | 20664 | 20847 | 21029 | 21212 | 21394 | 21577 | 21760 | 21942 | 22125 | 22307 | 20 |
| | 80 | 22307 | 22490 | 22672 | 22855 | 23037 | 23220 | 23402 | 23585 | 23767 | 23950 | 24132 | 10 |
| | 90 | 24132 | 24315 | 24497 | 24680 | 24862 | 25045 | 25227 | 25409 | 25592 | 25774 | 25957 | **62 oo** |
| **38** | **oo** | 8.57 25957 | 26139 | 26321 | 26504 | 26686 | 26869 | 27051 | 27233 | 27416 | 27598 | 27780 | 90 |
| | 10 | 27780 | 27962 | 28145 | 28327 | 28509 | 28692 | 28874 | 29056 | 29238 | 29421 | 29603 | 80 |
| | 20 | 29603 | 29785 | 29967 | 30150 | 30332 | 30514 | 30696 | 30878 | 31061 | 31243 | 31425 | 70 |
| | 30 | 31425 | 31607 | 31789 | 31971 | 32154 | 32336 | 32518 | 32700 | 32882 | 33064 | 33246 | 60 |
| | 40 | 33246 | 33428 | 33610 | 33792 | 33974 | 34157 | 34339 | 34521 | 34703 | 34885 | 35067 | 50 |
| | 50 | 35067 | 35249 | 35431 | 35613 | 35795 | 35977 | 36159 | 36341 | 36522 | 36704 | 36886 | 40 |
| | 60 | 36886 | 37068 | 37250 | 37432 | 37614 | 37796 | 37978 | 38160 | 38342 | 38523 | 38705 | 30 |
| | 70 | 38705 | 38887 | 39069 | 39251 | 39433 | 39614 | 39796 | 39978 | 40160 | 40342 | 40523 | 20 |
| | 80 | 40523 | 40705 | 40887 | 41069 | 41251 | 41432 | 41614 | 41796 | 41977 | 42159 | 42341 | 10 |
| | 90 | 42341 | 42523 | 42704 | 42886 | 43068 | 43249 | 43431 | 43613 | 43794 | 43976 | 44158 | **61 oo** |
| **39** | **oo** | 8.57 44158 | 44339 | 44521 | 44702 | 44884 | 45066 | 45247 | 45429 | 45610 | 45792 | 45973 | 90 |
| | 10 | 45973 | 46155 | 46337 | 46518 | 46700 | 46881 | 47063 | 47244 | 47426 | 47607 | 47789 | 80 |
| | 20 | 47789 | 47970 | 48152 | 48333 | 48514 | 48696 | 48877 | 49059 | 49240 | 49422 | 49603 | 70 |
| | 30 | 49603 | 49784 | 49966 | 50147 | 50329 | 50510 | 50691 | 50873 | 51054 | 51235 | 51417 | 60 |
| | 40 | 51417 | 51598 | 51779 | 51961 | 52142 | 52323 | 52504 | 52686 | 52867 | 53048 | 53229 | 50 |
| | 50 | 53229 | 53411 | 53592 | 53773 | 53954 | 54136 | 54317 | 54498 | 54679 | 54860 | 55042 | 40 |
| | 60 | 55042 | 55223 | 55404 | 55585 | 55766 | 55947 | 56128 | 56310 | 56491 | 56672 | 56853 | 30 |
| | 70 | 56853 | 57034 | 57215 | 57396 | 57577 | 57758 | 57939 | 58120 | 58301 | 58482 | 58664 | 20 |
| | 80 | 58664 | 58845 | 59026 | 59207 | 59388 | 59569 | 59749 | 59930 | 60111 | 60292 | 60473 | 10 |
| | 90 | 8.57 60473 | 60654 | 60835 | 61016 | 61197 | 61378 | 61559 | 61740 | 61921 | 62102 | 62282 | **60 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $97^g\,60^c$ — log cos $97^g\,65^c$

## log tg $2^g\,35^c$ — log tg $2^g\,40^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **35** | **oo** | 8.56 73851 | 74036 | 74221 | 74406 | 74590 | 74775 | 74960 | 75145 | 75330 | 75515 | 75700 | | 90 |
| | 10 | 75700 | 75885 | 76070 | 76255 | 76439 | 76624 | 76809 | 76994 | 77179 | 77364 | 77549 | | 80 |
| | 20 | 77549 | 77733 | 77918 | 78103 | 78288 | 78473 | 78657 | 78842 | 79027 | 79212 | 79396 | | 70 |
| | 30 | 79396 | 79581 | 79766 | 79950 | 80135 | 80320 | 80505 | 80689 | 80874 | 81059 | 81243 | | 60 |
| | 40 | 81243 | 81428 | 81613 | 81797 | 81982 | 82167 | 82351 | 82536 | 82720 | 82905 | 83090 | | 50 |
| | 50 | 83090 | 83274 | 83459 | 83643 | 83828 | 84012 | 84197 | 84381 | 84566 | 84750 | 84935 | | 40 |
| | 60 | 84935 | 85119 | 85304 | 85488 | 85673 | 85857 | 86042 | 86226 | 86411 | 86595 | 86780 | | 30 |
| | 70 | 86780 | 86964 | 87148 | 87333 | 87517 | 87702 | 87886 | 88070 | 88255 | 88439 | 88623 | | 20 |
| | 80 | 88623 | 88808 | 88992 | 89176 | 89361 | 89545 | 89729 | 89914 | 90098 | 90282 | 90467 | | 10 |
| | 90 | 90467 | 90651 | 90835 | 91019 | 91204 | 91388 | 91572 | 91756 | 91940 | 92125 | 92309 | **64** | **oo** |
| **36** | **oo** | 8.56 92309 | 92493 | 92677 | 92861 | 93046 | 93230 | 93414 | 93598 | 93782 | 93966 | 94150 | | 90 |
| | 10 | 94150 | 94334 | 94519 | 94703 | 94887 | 95071 | 95255 | 95439 | 95623 | 95807 | 95991 | | 80 |
| | 20 | 95991 | 96175 | 96359 | 96543 | 96727 | 96911 | 97095 | 97279 | 97463 | 97647 | 97831 | | 70 |
| | 30 | 97831 | 98015 | 98199 | 98383 | 98567 | 98751 | 98935 | 99119 | 99303 | 99486 | 99670 | | 60 |
| | 40 | 8.56 99670 | 99854 | *00038 | *00222 | *00406 | *00590 | *00773 | *00957 | *01141 | *01325 | *01509 | | 50 |
| | 50 | 8.57 01509 | 01693 | 01876 | 02060 | 02244 | 02428 | 02611 | 02795 | 02979 | 03163 | 03346 | | 40 |
| | 60 | 03346 | 03530 | 03714 | 03898 | 04081 | 04265 | 04449 | 04632 | 04816 | 05000 | 05183 | | 30 |
| | 70 | 05183 | 05367 | 05551 | 05734 | 05918 | 06101 | 06285 | 06469 | 06652 | 06836 | 07019 | | 20 |
| | 80 | 07019 | 07203 | 07386 | 07570 | 07754 | 07937 | 08121 | 08304 | 08488 | 08671 | 08855 | | 10 |
| | 90 | 08855 | 09038 | 09222 | 09405 | 09589 | 09772 | 09955 | 10139 | 10322 | 10506 | 10689 | **63** | **oo** |
| **37** | **oo** | 8.57 10689 | 10873 | 11056 | 11239 | 11423 | 11606 | 11790 | 11973 | 12156 | 12340 | 12523 | | 90 |
| | 10 | 12523 | 12706 | 12890 | 13073 | 13256 | 13440 | 13623 | 13806 | 13989 | 14173 | 14356 | | 80 |
| | 20 | 14356 | 14539 | 14722 | 14906 | 15089 | 15272 | 15455 | 15639 | 15822 | 16005 | 16188 | | 70 |
| | 30 | 16188 | 16371 | 16555 | 16738 | 16921 | 17104 | 17287 | 17470 | 17653 | 17837 | 18020 | | 60 |
| | 40 | 18020 | 18203 | 18386 | 18569 | 18752 | 18935 | 19118 | 19301 | 19484 | 19667 | 19850 | | 50 |
| | 50 | 19850 | 20033 | 20216 | 20399 | 20582 | 20765 | 20948 | 21131 | 21314 | 21497 | 21680 | | 40 |
| | 60 | 21680 | 21863 | 22046 | 22229 | 22412 | 22595 | 22778 | 22961 | 23144 | 23327 | 23509 | | 30 |
| | 70 | 23509 | 23692 | 23875 | 24058 | 24241 | 24424 | 24607 | 24789 | 24972 | 25155 | 25338 | | 20 |
| | 80 | 25338 | 25521 | 25703 | 25886 | 26069 | 26252 | 26434 | 26617 | 26800 | 26983 | 27165 | | 10 |
| | 90 | 27165 | 27348 | 27531 | 27714 | 27896 | 28079 | 28262 | 28444 | 28627 | 28810 | 28992 | **62** | **oo** |
| **38** | **oo** | 8.57 28992 | 29175 | 29358 | 29540 | 29723 | 29905 | 30088 | 30271 | 30453 | 30636 | 30818 | | 90 |
| | 10 | 30818 | 31001 | 31183 | 31366 | 31549 | 31731 | 31914 | 32096 | 32279 | 32461 | 32644 | | 80 |
| | 20 | 32644 | 32826 | 33009 | 33191 | 33374 | 33556 | 33739 | 33921 | 34103 | 34286 | 34468 | | 70 |
| | 30 | 34468 | 34651 | 34833 | 35015 | 35198 | 35380 | 35563 | 35745 | 35927 | 36110 | 36292 | | 60 |
| | 40 | 36292 | 36474 | 36657 | 36839 | 37021 | 37204 | 37386 | 37568 | 37751 | 37933 | 38115 | | 50 |
| | 50 | 38115 | 38297 | 38480 | 38662 | 38844 | 39026 | 39209 | 39391 | 39573 | 39755 | 39937 | | 40 |
| | 60 | 39937 | 40120 | 40302 | 40484 | 40666 | 40848 | 41030 | 41212 | 41395 | 41577 | 41759 | | 30 |
| | 70 | 41759 | 41941 | 42123 | 42305 | 42487 | 42669 | 42851 | 43033 | 43215 | 43398 | 43580 | | 20 |
| | 80 | 43580 | 43762 | 43944 | 44126 | 44308 | 44490 | 44672 | 44854 | 45036 | 45218 | 45400 | | 10 |
| | 90 | 45400 | 45582 | 45763 | 45945 | 46127 | 46309 | 46491 | 46673 | 46855 | 47037 | 47219 | **61** | **oo** |
| **39** | **oo** | 8.57 47219 | 47401 | 47583 | 47764 | 47946 | 48128 | 48310 | 48492 | 48674 | 48855 | 49037 | | 90 |
| | 10 | 49037 | 49219 | 49401 | 49583 | 49764 | 49946 | 50128 | 50310 | 50491 | 50673 | 50855 | | 80 |
| | 20 | 50855 | 51037 | 51218 | 51400 | 51582 | 51764 | 51945 | 52127 | 52309 | 52490 | 52672 | | 70 |
| | 30 | 52672 | 52854 | 53035 | 53217 | 53398 | 53580 | 53762 | 53943 | 54125 | 54306 | 54488 | | 60 |
| | 40 | 54488 | 54670 | 54851 | 55033 | 55214 | 55396 | 55577 | 55759 | 55940 | 56122 | 56303 | | 50 |
| | 50 | 56303 | 56485 | 56666 | 56848 | 57029 | 57211 | 57392 | 57574 | 57755 | 57937 | 58118 | | 40 |
| | 60 | 58118 | 58300 | 58481 | 58662 | 58844 | 59025 | 59207 | 59388 | 59569 | 59751 | 59932 | | 30 |
| | 70 | 59932 | 60113 | 60295 | 60476 | 60657 | 60839 | 61020 | 61201 | 61383 | 61564 | 61745 | | 20 |
| | 80 | 61745 | 61927 | 62108 | 62289 | 62470 | 62652 | 62833 | 63014 | 63195 | 63376 | 63558 | | 10 |
| | 90 | 8.57 63558 | 63739 | 63920 | 64101 | 64282 | 64464 | 64645 | 64826 | 65007 | 65188 | 65369 | **60** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $97^g\,60^c$ — log ctg $97^g\,65^c$

## log sin $2^g\,40^c$ — log sin $2^g\,45^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **40** | **oo** | 8.57 62282 | 62463 | 62644 | 62825 | 63006 | 63187 | 63368 | 63548 | 63729 | 63910 | 64091 | | 90 |
| | 10 | 64091 | 64272 | 64452 | 64633 | 64814 | 64995 | 65175 | 65356 | 65537 | 65718 | 65898 | | 80 |
| | 20 | 65898 | 66079 | 66260 | 66440 | 66621 | 66802 | 66983 | 67163 | 67344 | 67524 | 67705 | | 70 |
| | 30 | 67705 | 67886 | 68066 | 68247 | 68428 | 68608 | 68789 | 68969 | 69150 | 69331 | 69511 | | 60 |
| | 40 | 69511 | 69692 | 69872 | 70053 | 70233 | 70414 | 70594 | 70775 | 70956 | 71136 | 71317 | | 50 |
| | 50 | 71317 | 71497 | 71677 | 71858 | 72038 | 72219 | 72399 | 72580 | 72760 | 72941 | 73121 | | 40 |
| | 60 | 73121 | 73302 | 73482 | 73662 | 73843 | 74023 | 74203 | 74384 | 74564 | 74745 | 74925 | | 30 |
| | 70 | 74925 | 75105 | 75286 | 75466 | 75646 | 75827 | 76007 | 76187 | 76367 | 76548 | 76728 | | 20 |
| | 80 | 76728 | 76908 | 77088 | 77269 | 77449 | 77629 | 77809 | 77990 | 78170 | 78350 | 78530 | | 10 |
| | 90 | 78530 | 78710 | 78891 | 79071 | 79251 | 79431 | 79611 | 79791 | 79972 | 80152 | 80332 | **59** | **oo** |
| **41** | **oo** | 8.57 80332 | 80512 | 80692 | 80872 | 81052 | 81232 | 81412 | 81592 | 81773 | 81953 | 82133 | | 90 |
| | 10 | 82133 | 82313 | 82493 | 82673 | 82853 | 83033 | 83213 | 83393 | 83573 | 83753 | 83933 | | 80 |
| | 20 | 83933 | 84113 | 84293 | 84473 | 84653 | 84832 | 85012 | 85192 | 85372 | 85552 | 85732 | | 70 |
| | 30 | 85732 | 85912 | 86092 | 86272 | 86452 | 86631 | 86811 | 86991 | 87171 | 87351 | 87531 | | 60 |
| | 40 | 87531 | 87710 | 87890 | 88070 | 88250 | 88430 | 88609 | 88789 | 88969 | 89149 | 89328 | | 50 |
| | 50 | 89328 | 89508 | 89688 | 89868 | 90047 | 90227 | 90407 | 90586 | 90766 | 90946 | 91126 | | 40 |
| | 60 | 91126 | 91305 | 91485 | 91665 | 91844 | 92024 | 92203 | 92383 | 92563 | 92742 | 92922 | | 30 |
| | 70 | 92922 | 93101 | 93281 | 93461 | 93640 | 93820 | 93999 | 94179 | 94358 | 94538 | 94717 | | 20 |
| | 80 | 94717 | 94897 | 95077 | 95256 | 95436 | 95615 | 95794 | 95974 | 96153 | 96333 | 96512 | | 10 |
| | 90 | 96512 | 96692 | 96871 | 97051 | 97230 | 97409 | 97589 | 97768 | 97948 | 98127 | 98306 | **58** | **oo** |
| **42** | **oo** | 8.57 98306 | 98486 | 98665 | 98845 | 99024 | 99203 | 99383 | 99562 | 99741 | 99921 | *00100 | | 90 |
| | 10 | 8.58 00100 | 00279 | 00458 | 00638 | 00817 | 00996 | 01175 | 01355 | 01534 | 01713 | 01892 | | 80 |
| | 20 | 01892 | 02072 | 02251 | 02430 | 02609 | 02788 | 02968 | 03147 | 03326 | 03505 | 03684 | | 70 |
| | 30 | 03684 | 03863 | 04043 | 04222 | 04401 | 04580 | 04759 | 04938 | 05117 | 05296 | 05475 | | 60 |
| | 40 | 05475 | 05655 | 05834 | 06013 | 06192 | 06371 | 06550 | 06729 | 06908 | 07087 | 07266 | | 50 |
| | 50 | 07266 | 07445 | 07624 | 07803 | 07982 | 08161 | 08340 | 08519 | 08698 | 08877 | 09056 | | 40 |
| | 60 | 09056 | 09234 | 09413 | 09592 | 09771 | 09950 | 10129 | 10308 | 10487 | 10666 | 10844 | | 30 |
| | 70 | 10844 | 11023 | 11202 | 11381 | 11560 | 11739 | 11917 | 12096 | 12275 | 12454 | 12633 | | 20 |
| | 80 | 12633 | 12811 | 12990 | 13169 | 13348 | 13527 | 13705 | 13884 | 14063 | 14241 | 14420 | | 10 |
| | 90 | 14420 | 14599 | 14778 | 14956 | 15135 | 15314 | 15492 | 15671 | 15850 | 16028 | 16207 | **57** | **oo** |
| **43** | **oo** | 8.58 16207 | 16385 | 16564 | 16743 | 16921 | 17100 | 17279 | 17457 | 17636 | 17814 | 17993 | | 90 |
| | 10 | 17993 | 18171 | 18350 | 18528 | 18707 | 18886 | 19064 | 19243 | 19421 | 19600 | 19778 | | 80 |
| | 20 | 19778 | 19957 | 20135 | 20314 | 20492 | 20670 | 20849 | 21027 | 21206 | 21384 | 21563 | | 70 |
| | 30 | 21563 | 21741 | 21919 | 22098 | 22276 | 22455 | 22633 | 22811 | 22990 | 23168 | 23346 | | 60 |
| | 40 | 23346 | 23525 | 23703 | 23881 | 24060 | 24238 | 24416 | 24595 | 24773 | 24951 | 25129 | | 50 |
| | 50 | 25129 | 25308 | 25486 | 25664 | 25842 | 26021 | 26199 | 26377 | 26555 | 26734 | 26912 | | 40 |
| | 60 | 26912 | 27090 | 27268 | 27446 | 27624 | 27803 | 27981 | 28159 | 28337 | 28515 | 28693 | | 30 |
| | 70 | 28693 | 28871 | 29050 | 29228 | 29406 | 29584 | 29762 | 29940 | 30118 | 30296 | 30474 | | 20 |
| | 80 | 30474 | 30652 | 30830 | 31008 | 31186 | 31364 | 31542 | 31720 | 31898 | 32076 | 32254 | | 10 |
| | 90 | 32254 | 32432 | 32610 | 32788 | 32966 | 33144 | 33322 | 33500 | 33678 | 33856 | 34034 | **56** | **oo** |
| **44** | **oo** | 8.58 34034 | 34212 | 34389 | 34567 | 34745 | 34923 | 35101 | 35279 | 35457 | 35635 | 35812 | | 90 |
| | 10 | 35812 | 35990 | 36168 | 36346 | 36524 | 36701 | 36879 | 37057 | 37235 | 37413 | 37590 | | 80 |
| | 20 | 37590 | 37768 | 37946 | 38124 | 38301 | 38479 | 38657 | 38834 | 39012 | 39190 | 39367 | | 70 |
| | 30 | 39367 | 39545 | 39723 | 39900 | 40078 | 40256 | 40433 | 40611 | 40789 | 40966 | 41144 | | 60 |
| | 40 | 41144 | 41322 | 41499 | 41677 | 41854 | 42032 | 42209 | 42387 | 42565 | 42742 | 42920 | | 50 |
| | 50 | 42920 | 43097 | 43275 | 43452 | 43630 | 43807 | 43985 | 44162 | 44340 | 44517 | 44695 | | 40 |
| | 60 | 44695 | 44872 | 45050 | 45227 | 45405 | 45582 | 45759 | 45937 | 46114 | 46292 | 46469 | | 30 |
| | 70 | 46469 | 46646 | 46824 | 47001 | 47179 | 47356 | 47533 | 47711 | 47888 | 48065 | 48243 | | 20 |
| | 80 | 48243 | 48420 | 48597 | 48775 | 48952 | 49129 | 49306 | 49484 | 49661 | 49838 | 50015 | | 10 |
| | 90 | 8.58 50015 | 50193 | 50370 | 50547 | 50724 | 50902 | 51079 | 51256 | 51433 | 51610 | 51788 | **55** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,55^c$ — log cos $97^g\,60^c$

## log tg $2^g\,40^c$ — log tg $2^g\,45^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **40** | **oo** | 8.57 65369 | 65550 | 65732 | 65913 | 66094 | 66275 | 66456 | 66637 | 66818 | 66999 | 67180 | | 90 |
| | 10 | 67180 | 67361 | 67542 | 67723 | 67904 | 68085 | 68266 | 68447 | 68628 | 68809 | 68990 | | 80 |
| | 20 | 68990 | 69171 | 69352 | 69533 | 69714 | 69895 | 70076 | 70257 | 70438 | 70619 | 70800 | | 70 |
| | 30 | 70800 | 70981 | 71162 | 71342 | 71523 | 71704 | 71885 | 72066 | 72247 | 72428 | 72608 | | 60 |
| | 40 | 72608 | 72789 | 72970 | 73151 | 73332 | 73512 | 73693 | 73874 | 74055 | 74236 | 74416 | | 50 |
| | 50 | 74416 | 74597 | 74778 | 74958 | 75139 | 75320 | 75501 | 75681 | 75862 | 76043 | 76223 | | 40 |
| | 60 | 76223 | 76404 | 76585 | 76765 | 76946 | 77127 | 77307 | 77488 | 77669 | 77849 | 78030 | | 30 |
| | 70 | 78030 | 78210 | 78391 | 78572 | 78752 | 78933 | 79113 | 79294 | 79474 | 79655 | 79835 | | 20 |
| | 80 | 79835 | 80016 | 80196 | 80377 | 80558 | 80738 | 80918 | 81099 | 81279 | 81460 | 81640 | | 10 |
| | 90 | 81640 | 81821 | 82001 | 82182 | 82362 | 82543 | 82723 | 82903 | 83084 | 83264 | 83445 | **59** | **oo** |
| **41** | **oo** | 8.57 83445 | 83625 | 83805 | 83986 | 84166 | 84346 | 84527 | 84707 | 84887 | 85068 | 85248 | | 90 |
| | 10 | 85248 | 85428 | 85608 | 85789 | 85969 | 86149 | 86330 | 86510 | 86690 | 86870 | 87051 | | 80 |
| | 20 | 87051 | 87231 | 87411 | 87591 | 87771 | 87952 | 88132 | 88312 | 88492 | 88672 | 88852 | | 70 |
| | 30 | 88852 | 89033 | 89213 | 89393 | 89573 | 89753 | 89933 | 90113 | 90293 | 90474 | 90654 | | 60 |
| | 40 | 90654 | 90834 | 91014 | 91194 | 91374 | 91554 | 91734 | 91914 | 92094 | 92274 | 92454 | | 50 |
| | 50 | 92454 | 92634 | 92814 | 92994 | 93174 | 93354 | 93534 | 93714 | 93894 | 94074 | 94254 | | 40 |
| | 60 | 94254 | 94434 | 94614 | 94793 | 94973 | 95153 | 95333 | 95513 | 95693 | 95873 | 96053 | | 30 |
| | 70 | 96053 | 96233 | 96412 | 96592 | 96772 | 96952 | 97132 | 97311 | 97491 | 97671 | 97851 | | 20 |
| | 80 | 97851 | 98031 | 98210 | 98390 | 98570 | 98750 | 98929 | 99109 | 99289 | 99469 | 99648 | | 10 |
| | 90 | 8.57 99648 | 99828 | *00008 | *00187 | *00367 | *00547 | *00726 | *00906 | *01086 | *01265 | *01445 | **58** | **oo** |
| **42** | **oo** | 8.58 01445 | 01625 | 01804 | 01984 | 02163 | 02343 | 02523 | 02702 | 02882 | 03061 | 03241 | | 90 |
| | 10 | 03241 | 03421 | 03600 | 03780 | 03959 | 04139 | 04318 | 04498 | 04677 | 04857 | 05036 | | 80 |
| | 20 | 05036 | 05216 | 05395 | 05575 | 05754 | 05934 | 06113 | 06292 | 06472 | 06651 | 06831 | | 70 |
| | 30 | 06831 | 07010 | 07189 | 07369 | 07548 | 07728 | 07907 | 08086 | 08266 | 08445 | 08624 | | 60 |
| | 40 | 08624 | 08804 | 08983 | 09162 | 09342 | 09521 | 09700 | 09880 | 10059 | 10238 | 10417 | | 50 |
| | 50 | 10417 | 10597 | 10776 | 10955 | 11134 | 11314 | 11493 | 11672 | 11851 | 12031 | 12210 | | 40 |
| | 60 | 12210 | 12389 | 12568 | 12747 | 12926 | 13106 | 13285 | 13464 | 13643 | 13822 | 14001 | | 30 |
| | 70 | 14001 | 14180 | 14359 | 14539 | 14718 | 14897 | 15076 | 15255 | 15434 | 15613 | 15792 | | 20 |
| | 80 | 15792 | 15971 | 16150 | 16329 | 16508 | 16687 | 16866 | 17045 | 17224 | 17403 | 17582 | | 10 |
| | 90 | 17582 | 17761 | 17940 | 18119 | 18298 | 18477 | 18656 | 18835 | 19014 | 19193 | 19371 | **57** | **oo** |
| **43** | **oo** | 8.58 19371 | 19550 | 19729 | 19908 | 20087 | 20266 | 20445 | 20624 | 20802 | 20981 | 21160 | | 90 |
| | 10 | 21160 | 21339 | 21518 | 21696 | 21875 | 22054 | 22233 | 22412 | 22590 | 22769 | 22948 | | 80 |
| | 20 | 22948 | 23127 | 23305 | 23484 | 23663 | 23842 | 24020 | 24199 | 24378 | 24556 | 24735 | | 70 |
| | 30 | 24735 | 24914 | 25092 | 25271 | 25450 | 25628 | 25807 | 25986 | 26164 | 26343 | 26521 | | 60 |
| | 40 | 26521 | 26700 | 26879 | 27057 | 27236 | 27414 | 27593 | 27771 | 27950 | 28128 | 28307 | | 50 |
| | 50 | 28307 | 28486 | 28664 | 28843 | 29021 | 29200 | 29378 | 29557 | 29735 | 29913 | 30092 | | 40 |
| | 60 | 30092 | 30270 | 30449 | 30627 | 30806 | 30984 | 31163 | 31341 | 31519 | 31698 | 31876 | | 30 |
| | 70 | 31876 | 32055 | 32233 | 32411 | 32590 | 32768 | 32946 | 33125 | 33303 | 33481 | 33660 | | 20 |
| | 80 | 33660 | 33838 | 34016 | 34195 | 34373 | 34551 | 34729 | 34908 | 35086 | 35264 | 35442 | | 10 |
| | 90 | 35442 | 35621 | 35799 | 35977 | 36155 | 36333 | 36512 | 36690 | 36868 | 37046 | 37224 | **56** | **oo** |
| **44** | **oo** | 8.58 37224 | 37403 | 37581 | 37759 | 37937 | 38115 | 38293 | 38471 | 38649 | 38828 | 39006 | | 90 |
| | 10 | 39006 | 39184 | 39362 | 39540 | 39718 | 39896 | 40074 | 40252 | 40430 | 40608 | 40786 | | 80 |
| | 20 | 40786 | 40964 | 41142 | 41320 | 41498 | 41676 | 41854 | 42032 | 42210 | 42388 | 42566 | | 70 |
| | 30 | 42566 | 42744 | 42922 | 43100 | 43278 | 43456 | 43634 | 43811 | 43989 | 44167 | 44345 | | 60 |
| | 40 | 44345 | 44523 | 44701 | 44879 | 45057 | 45234 | 45412 | 45590 | 45768 | 45946 | 46123 | | 50 |
| | 50 | 46123 | 46301 | 46479 | 46657 | 46835 | 47012 | 47190 | 47368 | 47546 | 47723 | 47901 | | 40 |
| | 60 | 47901 | 48079 | 48257 | 48434 | 48612 | 48790 | 48967 | 49145 | 49323 | 49500 | 49678 | | 30 |
| | 70 | 49678 | 49856 | 50033 | 50211 | 50389 | 50566 | 50744 | 50921 | 51099 | 51277 | 51454 | | 20 |
| | 80 | 51454 | 51632 | 51809 | 51987 | 52164 | 52342 | 52520 | 52697 | 52875 | 53052 | 53230 | | 10 |
| | 90 | 8.58 53230 | 53407 | 53585 | 53762 | 53940 | 54117 | 54295 | 54472 | 54650 | 54827 | 55004 | **55** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $97^g\,55^c$ — log ctg $97^g\,60^c$

## log sin $2^g\,45^c$ — log sin $2^g\,50^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **45** | **oo** | 8.58 51788 | 51965 | 52142 | 52319 | 52496 | 52673 | 52850 | 53028 | 53205 | 53382 | 53559 | | 90 |
| | 10 | 53559 | 53736 | 53913 | 54090 | 54267 | 54444 | 54621 | 54798 | 54976 | 55153 | 55330 | | 80 |
| | 20 | 55330 | 55507 | 55684 | 55861 | 56038 | 56215 | 56392 | 56569 | 56746 | 56923 | 57100 | | 70 |
| | 30 | 57100 | 57277 | 57453 | 57630 | 57807 | 57984 | 58161 | 58338 | 58515 | 58692 | 58869 | | 60 |
| | 40 | 58869 | 59046 | 59223 | 59399 | 59576 | 59753 | 59930 | 60107 | 60284 | 60460 | 60637 | | 50 |
| | 50 | 60637 | 60814 | 60991 | 61168 | 61344 | 61521 | 61698 | 61875 | 62052 | 62228 | 62405 | | 40 |
| | 60 | 62405 | 62582 | 62759 | 62935 | 63112 | 63289 | 63465 | 63642 | 63819 | 63995 | 64172 | | 30 |
| | 70 | 64172 | 64349 | 64525 | 64702 | 64879 | 65055 | 65232 | 65409 | 65585 | 65762 | 65938 | | 20 |
| | 80 | 65938 | 66115 | 66292 | 66468 | 66645 | 66821 | 66998 | 67174 | 67351 | 67528 | 67704 | | 10 |
| | 90 | 67704 | 67881 | 68057 | 68234 | 68410 | 68587 | 68763 | 68940 | 69116 | 69293 | 69469 | **54** | **oo** |
| **46** | **oo** | 8.58 69469 | 69645 | 69822 | 69998 | 70175 | 70351 | 70528 | 70704 | 70880 | 71057 | 71233 | | 90 |
| | 10 | 71233 | 71410 | 71586 | 71762 | 71939 | 72115 | 72291 | 72468 | 72644 | 72820 | 72997 | | 80 |
| | 20 | 72997 | 73173 | 73349 | 73526 | 73702 | 73878 | 74054 | 74231 | 74407 | 74583 | 74759 | | 70 |
| | 30 | 74759 | 74936 | 75112 | 75288 | 75464 | 75641 | 75817 | 75993 | 76169 | 76345 | 76521 | | 60 |
| | 40 | 76521 | 76698 | 76874 | 77050 | 77226 | 77402 | 77578 | 77754 | 77931 | 78107 | 78283 | | 50 |
| | 50 | 78283 | 78459 | 78635 | 78811 | 78987 | 79163 | 79339 | 79515 | 79691 | 79867 | 80043 | | 40 |
| | 60 | 80043 | 80219 | 80395 | 80571 | 80747 | 80923 | 81099 | 81275 | 81451 | 81627 | 81803 | | 30 |
| | 70 | 81803 | 81979 | 82155 | 82331 | 82507 | 82683 | 82859 | 83035 | 83211 | 83387 | 83562 | | 20 |
| | 80 | 83562 | 83738 | 83914 | 84090 | 84266 | 84442 | 84618 | 84793 | 84969 | 85145 | 85321 | | 10 |
| | 90 | 85321 | 85497 | 85673 | 85848 | 86024 | 86200 | 86376 | 86551 | 86727 | 86903 | 87079 | **53** | **oo** |
| **47** | **oo** | 8.58 87079 | 87254 | 87430 | 87606 | 87782 | 87957 | 88133 | 88309 | 88484 | 88660 | 88836 | | 90 |
| | 10 | 88836 | 89011 | 89187 | 89363 | 89538 | 89714 | 89890 | 90065 | 90241 | 90416 | 90592 | | 80 |
| | 20 | 90592 | 90768 | 90943 | 91119 | 91294 | 91470 | 91645 | 91821 | 91997 | 92172 | 92348 | | 70 |
| | 30 | 92348 | 92523 | 92699 | 92874 | 93050 | 93225 | 93401 | 93576 | 93752 | 93927 | 94103 | | 60 |
| | 40 | 94103 | 94278 | 94453 | 94629 | 94804 | 94980 | 95155 | 95331 | 95506 | 95681 | 95857 | | 50 |
| | 50 | 95857 | 96032 | 96207 | 96383 | 96558 | 96734 | 96909 | 97084 | 97260 | 97435 | 97610 | | 40 |
| | 60 | 97610 | 97786 | 97961 | 98136 | 98311 | 98487 | 98662 | 98837 | 99012 | 99188 | 99363 | | 30 |
| | 70 | 8.58 99363 | 99538 | 99713 | 99889 | *00064 | *00239 | *00414 | *00590 | *00765 | *00940 | *01115 | | 20 |
| | 80 | 8.59 01115 | 01290 | 01465 | 01641 | 01816 | 01991 | 02166 | 02341 | 02516 | 02691 | 02866 | | 10 |
| | 90 | 02866 | 03042 | 03217 | 03392 | 03567 | 03742 | 03917 | 04092 | 04267 | 04442 | 04617 | **52** | **oo** |
| **48** | **oo** | 8.59 04617 | 04792 | 04967 | 05142 | 05317 | 05492 | 05667 | 05842 | 06017 | 06192 | 06367 | | 90 |
| | 10 | 06367 | 06542 | 06717 | 06892 | 07067 | 07242 | 07417 | 07592 | 07766 | 07941 | 08116 | | 80 |
| | 20 | 08116 | 08291 | 08466 | 08641 | 08816 | 08991 | 09165 | 09340 | 09515 | 09690 | 09865 | | 70 |
| | 30 | 09865 | 10040 | 10214 | 10389 | 10564 | 10739 | 10914 | 11088 | 11263 | 11438 | 11613 | | 60 |
| | 40 | 11613 | 11787 | 11962 | 12137 | 12312 | 12486 | 12661 | 12836 | 13010 | 13185 | 13360 | | 50 |
| | 50 | 13360 | 13534 | 13709 | 13884 | 14058 | 14233 | 14408 | 14582 | 14757 | 14932 | 15106 | | 40 |
| | 60 | 15106 | 15281 | 15455 | 15630 | 15805 | 15979 | 16154 | 16328 | 16503 | 16677 | 16852 | | 30 |
| | 70 | 16852 | 17026 | 17201 | 17375 | 17550 | 17725 | 17899 | 18074 | 18248 | 18422 | 18597 | | 20 |
| | 80 | 18597 | 18771 | 18946 | 19120 | 19295 | 19469 | 19644 | 19818 | 19992 | 20167 | 20341 | | 10 |
| | 90 | 20341 | 20516 | 20690 | 20864 | 21039 | 21213 | 21388 | 21562 | 21736 | 21911 | 22085 | **51** | **oo** |
| **49** | **oo** | 8.59 22085 | 22259 | 22434 | 22608 | 22782 | 22956 | 23131 | 23305 | 23479 | 23654 | 23828 | | 90 |
| | 10 | 23828 | 24002 | 24176 | 24351 | 24525 | 24699 | 24873 | 25047 | 25222 | 25396 | 25570 | | 80 |
| | 20 | 25570 | 25744 | 25918 | 26093 | 26267 | 26441 | 26615 | 26789 | 26963 | 27137 | 27312 | | 70 |
| | 30 | 27312 | 27486 | 27660 | 27834 | 28008 | 28182 | 28356 | 28530 | 28704 | 28878 | 29052 | | 60 |
| | 40 | 29052 | 29226 | 29400 | 29574 | 29748 | 29922 | 30096 | 30270 | 30444 | 30618 | 30792 | | 50 |
| | 50 | 30792 | 30966 | 31140 | 31314 | 31488 | 31662 | 31836 | 32010 | 32184 | 32358 | 32532 | | 40 |
| | 60 | 32532 | 32706 | 32880 | 33054 | 33227 | 33401 | 33575 | 33749 | 33923 | 34097 | 34271 | | 30 |
| | 70 | 34271 | 34444 | 34618 | 34792 | 34966 | 35140 | 35313 | 35487 | 35661 | 35835 | 36009 | | 20 |
| | 80 | 36009 | 36182 | 36356 | 36530 | 36704 | 36877 | 37051 | 37225 | 37399 | 37572 | 37746 | | 10 |
| | 90 | 8.59 37746 | 37920 | 38093 | 38267 | 38441 | 38614 | 38788 | 38962 | 39135 | 39309 | 39483 | **50** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,50^c$ — log cos $97^g\,55^c$

## log tg $2^g\,45^c$ — log tg $2^g\,50^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **45** | **oo** | 8.58 55004 | 55182 | 55359 | 55537 | 55714 | 55892 | 56069 | 56246 | 56424 | 56601 | 56778 | 90 |
| | 10 | 56778 | 56956 | 57133 | 57310 | 57488 | 57665 | 57842 | 58020 | 58197 | 58374 | 58552 | 80 |
| | 20 | 58552 | 58729 | 58906 | 59084 | 59261 | 59438 | 59615 | 59793 | 59970 | 60147 | 60324 | 70 |
| | 30 | 60324 | 60502 | 60679 | 60856 | 61033 | 61210 | 61388 | 61565 | 61742 | 61919 | 62096 | 60 |
| | 40 | 62096 | 62273 | 62450 | 62628 | 62805 | 62982 | 63159 | 63336 | 63513 | 63690 | 63867 | 50 |
| | 50 | 63867 | 64044 | 64221 | 64398 | 64576 | 64753 | 64930 | 65107 | 65284 | 65461 | 65638 | 40 |
| | 60 | 65638 | 65815 | 65992 | 66169 | 66346 | 66523 | 66700 | 66877 | 67054 | 67230 | 67407 | 30 |
| | 70 | 67407 | 67584 | 67761 | 67938 | 68115 | 68292 | 68469 | 68646 | 68823 | 69000 | 69176 | 20 |
| | 80 | 69176 | 69353 | 69530 | 69707 | 69884 | 70061 | 70237 | 70414 | 70591 | 70768 | 70945 | 10 |
| | 90 | 70945 | 71121 | 71298 | 71475 | 71652 | 71829 | 72005 | 72182 | 72359 | 72535 | 72712 | **54 oo** |
| **46** | **oo** | 8.58 72712 | 72889 | 73066 | 73242 | 73419 | 73596 | 73772 | 73949 | 74126 | 74302 | 74479 | 90 |
| | 10 | 74479 | 74656 | 74832 | 75009 | 75186 | 75362 | 75539 | 75715 | 75892 | 76069 | 76245 | 80 |
| | 20 | 76245 | 76422 | 76598 | 76775 | 76951 | 77128 | 77304 | 77481 | 77657 | 77834 | 78011 | 70 |
| | 30 | 78011 | 78187 | 78364 | 78540 | 78716 | 78893 | 79069 | 79246 | 79422 | 79599 | 79775 | 60 |
| | 40 | 79775 | 79952 | 80128 | 80304 | 80481 | 80657 | 80834 | 81010 | 81186 | 81363 | 81539 | 50 |
| | 50 | 81539 | 81716 | 81892 | 82068 | 82245 | 82421 | 82597 | 82773 | 82950 | 83126 | 83302 | 40 |
| | 60 | 83302 | 83479 | 83655 | 83831 | 84007 | 84184 | 84360 | 84536 | 84712 | 84889 | 85065 | 30 |
| | 70 | 85065 | 85241 | 85417 | 85594 | 85770 | 85946 | 86122 | 86298 | 86474 | 86651 | 86827 | 20 |
| | 80 | 86827 | 87003 | 87179 | 87355 | 87531 | 87707 | 87884 | 88060 | 88236 | 88412 | 88588 | 10 |
| | 90 | 88588 | 88764 | 88940 | 89116 | 89292 | 89468 | 89644 | 89820 | 89996 | 90172 | 90348 | **53 oo** |
| **47** | **oo** | 8.58 90348 | 90524 | 90700 | 90876 | 91052 | 91228 | 91404 | 91580 | 91756 | 91932 | 92108 | 90 |
| | 10 | 92108 | 92284 | 92460 | 92636 | 92812 | 92988 | 93163 | 93339 | 93515 | 93691 | 93867 | 80 |
| | 20 | 93867 | 94043 | 94219 | 94394 | 94570 | 94746 | 94922 | 95098 | 95274 | 95449 | 95625 | 70 |
| | 30 | 95625 | 95801 | 95977 | 96153 | 96328 | 96504 | 96680 | 96856 | 97031 | 97207 | 97383 | 60 |
| | 40 | 97383 | 97558 | 97734 | 97910 | 98086 | 98261 | 98437 | 98613 | 98788 | 98964 | 99140 | 50 |
| | 50 | 8.58 99140 | 99315 | 99491 | 99667 | 99842 | *00018 | *00193 | *00369 | *00545 | *00720 | *00896 | 40 |
| | 60 | 8.59 00896 | 01071 | 01247 | 01422 | 01598 | 01774 | 01949 | 02125 | 02300 | 02476 | 02651 | 30 |
| | 70 | 02651 | 02827 | 03002 | 03178 | 03353 | 03529 | 03704 | 03880 | 04055 | 04230 | 04406 | 20 |
| | 80 | 04406 | 04581 | 04757 | 04932 | 05108 | 05283 | 05458 | 05634 | 05809 | 05985 | 06160 | 10 |
| | 90 | 06160 | 06335 | 06511 | 06686 | 06861 | 07037 | 07212 | 07387 | 07563 | 07738 | 07913 | **52 oo** |
| **48** | **oo** | 8.59 07913 | 08089 | 08264 | 08439 | 08614 | 08790 | 08965 | 09140 | 09315 | 09491 | 09666 | 90 |
| | 10 | 09666 | 09841 | 10016 | 10191 | 10367 | 10542 | 10717 | 10892 | 11067 | 11243 | 11418 | 80 |
| | 20 | 11418 | 11593 | 11768 | 11943 | 12118 | 12293 | 12469 | 12644 | 12819 | 12994 | 13169 | 70 |
| | 30 | 13169 | 13344 | 13519 | 13694 | 13869 | 14044 | 14219 | 14394 | 14569 | 14744 | 14919 | 60 |
| | 40 | 14919 | 15094 | 15269 | 15444 | 15619 | 15794 | 15969 | 16144 | 16319 | 16494 | 16669 | 50 |
| | 50 | 16669 | 16844 | 17019 | 17194 | 17369 | 17544 | 17719 | 17894 | 18069 | 18243 | 18418 | 40 |
| | 60 | 18418 | 18593 | 18768 | 18943 | 19118 | 19293 | 19467 | 19642 | 19817 | 19992 | 20167 | 30 |
| | 70 | 20167 | 20342 | 20516 | 20691 | 20866 | 21041 | 21215 | 21390 | 21565 | 21740 | 21914 | 20 |
| | 80 | 21914 | 22089 | 22264 | 22439 | 22613 | 22788 | 22963 | 23137 | 23312 | 23487 | 23661 | 10 |
| | 90 | 23661 | 23836 | 24011 | 24185 | 24360 | 24535 | 24709 | 24884 | 25058 | 25233 | 25408 | **51 oo** |
| **49** | **oo** | 8.59 25408 | 25582 | 25757 | 25931 | 26106 | 26281 | 26455 | 26630 | 26804 | 26979 | 27153 | 90 |
| | 10 | 27153 | 27328 | 27502 | 27677 | 27851 | 28026 | 28200 | 28375 | 28549 | 28724 | 28898 | 80 |
| | 20 | 28898 | 29073 | 29247 | 29421 | 29596 | 29770 | 29945 | 30119 | 30294 | 30468 | 30642 | 70 |
| | 30 | 30642 | 30817 | 30991 | 31165 | 31340 | 31514 | 31688 | 31863 | 32037 | 32211 | 32386 | 60 |
| | 40 | 32386 | 32560 | 32734 | 32909 | 33083 | 33257 | 33432 | 33606 | 33780 | 33954 | 34129 | 50 |
| | 50 | 34129 | 34303 | 34477 | 34651 | 34826 | 35000 | 35174 | 35348 | 35522 | 35697 | 35871 | 40 |
| | 60 | 35871 | 36045 | 36219 | 36393 | 36567 | 36741 | 36916 | 37090 | 37264 | 37438 | 37612 | 30 |
| | 70 | 37612 | 37786 | 37960 | 38134 | 38308 | 38483 | 38657 | 38831 | 39005 | 39179 | 39353 | 20 |
| | 80 | 39353 | 39527 | 39701 | 39875 | 40049 | 40223 | 40397 | 40571 | 40745 | 40919 | 41093 | 10 |
| | 90 | 8.59 41093 | 41267 | 41441 | 41615 | 41789 | 41963 | 42136 | 42310 | 42484 | 42658 | 42832 | **50 oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

## log ctg $97^g\,50^c$ — log ctg $97^g\,55^c$

## log sin $2^g\,50^c$ — log sin $2^g\,55^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **50** | **oo** | 8.59 39483 | 39656 | 39830 | 40003 | 40177 | 40351 | 40524 | 40698 | 40871 | 41045 | 41219 | | 90 |
| | 10 | 41219 | 41392 | 41566 | 41739 | 41913 | 42086 | 42260 | 42433 | 42607 | 42780 | 42954 | | 80 |
| | 20 | 42954 | 43127 | 43301 | 43474 | 43648 | 43821 | 43995 | 44168 | 44341 | 44515 | 44688 | | 70 |
| | 30 | 44688 | 44862 | 45035 | 45209 | 45382 | 45555 | 45729 | 45902 | 46075 | 46249 | 46422 | | 60 |
| | 40 | 46422 | 46596 | 46769 | 46942 | 47116 | 47289 | 47462 | 47635 | 47809 | 47982 | 48155 | | 50 |
| | 50 | 48155 | 48329 | 48502 | 48675 | 48848 | 49022 | 49195 | 49368 | 49541 | 49715 | 49888 | | 40 |
| | 60 | 49888 | 50061 | 50234 | 50407 | 50581 | 50754 | 50927 | 51100 | 51273 | 51446 | 51620 | | 30 |
| | 70 | 51620 | 51793 | 51966 | 52139 | 52312 | 52485 | 52658 | 52831 | 53004 | 53178 | 53351 | | 20 |
| | 80 | 53351 | 53524 | 53697 | 53870 | 54043 | 54216 | 54389 | 54562 | 54735 | 54908 | 55081 | | 10 |
| | 90 | 55081 | 55254 | 55427 | 55600 | 55773 | 55946 | 56119 | 56292 | 56465 | 56638 | 56811 | **49** | **oo** |
| **51** | **oo** | 8.59 56811 | 56984 | 57157 | 57330 | 57502 | 57675 | 57848 | 58021 | 58194 | 58367 | 58540 | | 90 |
| | 10 | 58540 | 58713 | 58885 | 59058 | 59231 | 59404 | 59577 | 59750 | 59922 | 60095 | 60268 | | 80 |
| | 20 | 60268 | 60441 | 60614 | 60786 | 60959 | 61132 | 61305 | 61478 | 61650 | 61823 | 61996 | | 70 |
| | 30 | 61996 | 62168 | 62341 | 62514 | 62687 | 62859 | 63032 | 63205 | 63377 | 63550 | 63723 | | 60 |
| | 40 | 63723 | 63895 | 64068 | 64241 | 64413 | 64586 | 64759 | 64931 | 65104 | 65276 | 65449 | | 50 |
| | 50 | 65449 | 65622 | 65794 | 65967 | 66139 | 66312 | 66484 | 66657 | 66829 | 67002 | 67175 | | 40 |
| | 60 | 67175 | 67347 | 67520 | 67692 | 67865 | 68037 | 68210 | 68382 | 68554 | 68727 | 68899 | | 30 |
| | 70 | 68899 | 69072 | 69244 | 69417 | 69589 | 69762 | 69934 | 70106 | 70279 | 70451 | 70624 | | 20 |
| | 80 | 70624 | 70796 | 70968 | 71141 | 71313 | 71485 | 71658 | 71830 | 72002 | 72175 | 72347 | | 10 |
| | 90 | 72347 | 72519 | 72692 | 72864 | 73036 | 73209 | 73381 | 73553 | 73725 | 73898 | 74070 | **48** | **oo** |
| **52** | **oo** | 8.59 74070 | 74242 | 74414 | 74587 | 74759 | 74931 | 75103 | 75276 | 75448 | 75620 | 75792 | | 90 |
| | 10 | 75792 | 75964 | 76136 | 76309 | 76481 | 76653 | 76825 | 76997 | 77169 | 77341 | 77514 | | 80 |
| | 20 | 77514 | 77686 | 77858 | 78030 | 78202 | 78374 | 78546 | 78718 | 78890 | 79062 | 79234 | | 70 |
| | 30 | 79234 | 79406 | 79578 | 79750 | 79922 | 80094 | 80266 | 80438 | 80610 | 80782 | 80954 | | 60 |
| | 40 | 80954 | 81126 | 81298 | 81470 | 81642 | 81814 | 81986 | 82158 | 82330 | 82502 | 82674 | | 50 |
| | 50 | 82674 | 82846 | 83018 | 83190 | 83361 | 83533 | 83705 | 83877 | 84049 | 84221 | 84393 | | 40 |
| | 60 | 84393 | 84564 | 84736 | 84908 | 85080 | 85252 | 85424 | 85595 | 85767 | 85939 | 86111 | | 30 |
| | 70 | 86111 | 86282 | 86454 | 86626 | 86798 | 86969 | 87141 | 87313 | 87485 | 87656 | 87828 | | 20 |
| | 80 | 87828 | 88000 | 88171 | 88343 | 88515 | 88686 | 88858 | 89030 | 89201 | 89373 | 89545 | | 10 |
| | 90 | 89545 | 89716 | 89888 | 90060 | 90231 | 90403 | 90574 | 90746 | 90918 | 91089 | 91261 | **47** | **oo** |
| **53** | **oo** | 8.59 91261 | 91432 | 91604 | 91775 | 91947 | 92118 | 92290 | 92462 | 92633 | 92805 | 92976 | | 90 |
| | 10 | 92976 | 93148 | 93319 | 93491 | 93662 | 93833 | 94005 | 94176 | 94348 | 94519 | 94691 | | 80 |
| | 20 | 94691 | 94862 | 95034 | 95205 | 95376 | 95548 | 95719 | 95891 | 96062 | 96233 | 96405 | | 70 |
| | 30 | 96405 | 96576 | 96747 | 96919 | 97090 | 97261 | 97433 | 97604 | 97775 | 97947 | 98118 | | 60 |
| | 40 | 98118 | 98289 | 98461 | 98632 | 98803 | 98974 | 99146 | 99317 | 99488 | 99659 | 99831 | | 50 |
| | 50 | 8.59 99831 | *00002 | *00173 | *00344 | *00516 | *00687 | *00858 | *01029 | *01200 | *01371 | *01543 | | 40 |
| | 60 | 8.60 01543 | 01714 | 01885 | 02056 | 02227 | 02398 | 02569 | 02741 | 02912 | 03083 | 03254 | | 30 |
| | 70 | 03254 | 03425 | 03596 | 03767 | 03938 | 04109 | 04280 | 04451 | 04622 | 04793 | 04964 | | 20 |
| | 80 | 04964 | 05135 | 05307 | 05478 | 05649 | 05820 | 05991 | 06161 | 06332 | 06503 | 06674 | | 10 |
| | 90 | 06674 | 06845 | 07016 | 07187 | 07358 | 07529 | 07700 | 07871 | 08042 | 08213 | 08384 | **46** | **oo** |
| **54** | **oo** | 8.60 08384 | 08555 | 08725 | 08896 | 09067 | 09238 | 09409 | 09580 | 09751 | 09921 | 10092 | | 90 |
| | 10 | 10092 | 10263 | 10434 | 10605 | 10775 | 10946 | 11117 | 11288 | 11459 | 11629 | 11800 | | 80 |
| | 20 | 11800 | 11971 | 12142 | 12312 | 12483 | 12654 | 12825 | 12995 | 13166 | 13337 | 13507 | | 70 |
| | 30 | 13507 | 13678 | 13849 | 14019 | 14190 | 14361 | 14531 | 14702 | 14873 | 15043 | 15214 | | 60 |
| | 40 | 15214 | 15385 | 15555 | 15726 | 15896 | 16067 | 16238 | 16408 | 16579 | 16749 | 16920 | | 50 |
| | 50 | 16920 | 17090 | 17261 | 17431 | 17602 | 17772 | 17943 | 18114 | 18284 | 18455 | 18625 | | 40 |
| | 60 | 18625 | 18796 | 18966 | 19136 | 19307 | 19477 | 19648 | 19818 | 19989 | 20159 | 20330 | | 30 |
| | 70 | 20330 | 20500 | 20670 | 20841 | 21011 | 21182 | 21352 | 21522 | 21693 | 21863 | 22033 | | 20 |
| | 80 | 22033 | 22204 | 22374 | 22544 | 22715 | 22885 | 23055 | 23226 | 23396 | 23566 | 23737 | | 10 |
| | 90 | 8.60 23737 | 23907 | 24077 | 24247 | 24418 | 24588 | 24758 | 24928 | 25099 | 25269 | 25439 | **45** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,45^c$ — log cos $97^g\,50^c$

## log tg $2^g\,50^c$ — log tg $2^g\,55^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **50** | **oo** | 8.59 42832 | 43006 | 43180 | 43354 | 43528 | 43702 | 43875 | 44049 | 44223 | 44397 | 44571 | | 90 |
| | 10 | 44571 | 44745 | 44918 | 45092 | 45266 | 45440 | 45614 | 45787 | 45961 | 46135 | 46309 | | 80 |
| | 20 | 46309 | 46482 | 46656 | 46830 | 47004 | 47177 | 47351 | 47525 | 47698 | 47872 | 48046 | | 70 |
| | 30 | 48046 | 48220 | 48393 | 48567 | 48741 | 48914 | 49088 | 49262 | 49435 | 49609 | 49782 | | 60 |
| | 40 | 49782 | 49956 | 50130 | 50303 | 50477 | 50650 | 50824 | 50998 | 51171 | 51345 | 51518 | | 50 |
| | 50 | 51518 | 51692 | 51865 | 52039 | 52212 | 52386 | 52559 | 52733 | 52906 | 53080 | 53253 | | 40 |
| | 60 | 53253 | 53427 | 53600 | 53774 | 53947 | 54121 | 54294 | 54468 | 54641 | 54814 | 54988 | | 30 |
| | 70 | 54988 | 55161 | 55335 | 55508 | 55681 | 55855 | 56028 | 56202 | 56375 | 56548 | 56722 | | 20 |
| | 80 | 56722 | 56895 | 57068 | 57242 | 57415 | 57588 | 57762 | 57935 | 58108 | 58281 | 58455 | | 10 |
| | 90 | 58455 | 58628 | 58801 | 58975 | 59148 | 59321 | 59494 | 59668 | 59841 | 60014 | 60187 | **49** | **oo** |
| **51** | **oo** | 8.59 60187 | 60360 | 60534 | 60707 | 60880 | 61053 | 61226 | 61399 | 61573 | 61746 | 61919 | | 90 |
| | 10 | 61919 | 62092 | 62265 | 62438 | 62611 | 62784 | 62958 | 63131 | 63304 | 63477 | 63650 | | 80 |
| | 20 | 63650 | 63823 | 63996 | 64169 | 64342 | 64515 | 64688 | 64861 | 65034 | 65207 | 65380 | | 70 |
| | 30 | 65380 | 65553 | 65726 | 65899 | 66072 | 66245 | 66418 | 66591 | 66764 | 66937 | 67110 | | 60 |
| | 40 | 67110 | 67283 | 67456 | 67629 | 67802 | 67974 | 68147 | 68320 | 68493 | 68666 | 68839 | | 50 |
| | 50 | 68839 | 69012 | 69185 | 69357 | 69530 | 69703 | 69876 | 70049 | 70221 | 70394 | 70567 | | 40 |
| | 60 | 70567 | 70740 | 70913 | 71085 | 71258 | 71431 | 71604 | 71776 | 71949 | 72122 | 72295 | | 30 |
| | 70 | 72295 | 72467 | 72640 | 72813 | 72986 | 73158 | 73331 | 73504 | 73676 | 73849 | 74022 | | 20 |
| | 80 | 74022 | 74194 | 74367 | 74540 | 74712 | 74885 | 75057 | 75230 | 75403 | 75575 | 75748 | | 10 |
| | 90 | 75748 | 75920 | 76093 | 76266 | 76438 | 76611 | 76783 | 76956 | 77128 | 77301 | 77473 | **48** | **oo** |
| **52** | **oo** | 8.59 77473 | 77646 | 77818 | 77991 | 78163 | 78336 | 78508 | 78681 | 78853 | 79026 | 79198 | | 90 |
| | 10 | 79198 | 79371 | 79543 | 79715 | 79888 | 80060 | 80233 | 80405 | 80578 | 80750 | 80922 | | 80 |
| | 20 | 80922 | 81095 | 81267 | 81439 | 81612 | 81784 | 81957 | 82129 | 82301 | 82474 | 82646 | | 70 |
| | 30 | 82646 | 82818 | 82990 | 83163 | 83335 | 83507 | 83680 | 83852 | 84024 | 84196 | 84369 | | 60 |
| | 40 | 84369 | 84541 | 84713 | 84885 | 85058 | 85230 | 85402 | 85574 | 85746 | 85919 | 86091 | | 50 |
| | 50 | 86091 | 86263 | 86435 | 86607 | 86779 | 86952 | 87124 | 87296 | 87468 | 87640 | 87812 | | 40 |
| | 60 | 87812 | 87984 | 88156 | 88329 | 88501 | 88673 | 88845 | 89017 | 89189 | 89361 | 89533 | | 30 |
| | 70 | 89533 | 89705 | 89877 | 90049 | 90221 | 90393 | 90565 | 90737 | 90909 | 91081 | 91253 | | 20 |
| | 80 | 91253 | 91425 | 91597 | 91769 | 91941 | 92113 | 92285 | 92457 | 92629 | 92801 | 92972 | | 10 |
| | 90 | 92972 | 93144 | 93316 | 93488 | 93660 | 93832 | 94004 | 94176 | 94347 | 94519 | 94691 | **47** | **oo** |
| **53** | **oo** | 8.59 94691 | 94863 | 95035 | 95207 | 95378 | 95550 | 95722 | 95894 | 96066 | 96237 | 96409 | | 90 |
| | 10 | 96409 | 96581 | 96753 | 96925 | 97096 | 97268 | 97440 | 97611 | 97783 | 97955 | 98127 | | 80 |
| | 20 | 98127 | 98298 | 98470 | 98642 | 98813 | 98985 | 99157 | 99328 | 99500 | 99672 | 99843 | | 70 |
| | 30 | 8.59 99843 | *00015 | *00187 | *00358 | *00530 | *00701 | *00873 | *01045 | *01216 | *01388 | *01559 | | 60 |
| | 40 | 8.60 01559 | 01731 | 01902 | 02074 | 02246 | 02417 | 02589 | 02760 | 02932 | 03103 | 03275 | | 50 |
| | 50 | 03275 | 03446 | 03618 | 03789 | 03961 | 04132 | 04304 | 04475 | 04646 | 04818 | 04989 | | 40 |
| | 60 | 04989 | 05161 | 05332 | 05504 | 05675 | 05846 | 06018 | 06189 | 06361 | 06532 | 06703 | | 30 |
| | 70 | 06703 | 06875 | 07046 | 07217 | 07389 | 07560 | 07731 | 07903 | 08074 | 08245 | 08417 | | 20 |
| | 80 | 08417 | 08588 | 08759 | 08931 | 09102 | 09273 | 09444 | 09616 | 09787 | 09958 | 10129 | | 10 |
| | 90 | 10129 | 10301 | 10472 | 10643 | 10814 | 10985 | 11157 | 11328 | 11499 | 11670 | 11841 | **46** | **oo** |
| **54** | **oo** | 8.60 11841 | 12012 | 12184 | 12355 | 12526 | 12697 | 12868 | 13039 | 13210 | 13381 | 13553 | | 90 |
| | 10 | 13553 | 13724 | 13895 | 14066 | 14237 | 14408 | 14579 | 14750 | 14921 | 15092 | 15263 | | 80 |
| | 20 | 15263 | 15434 | 15605 | 15776 | 15947 | 16118 | 16289 | 16460 | 16631 | 16802 | 16973 | | 70 |
| | 30 | 16973 | 17144 | 17315 | 17486 | 17657 | 17828 | 17999 | 18170 | 18341 | 18512 | 18682 | | 60 |
| | 40 | 18682 | 18853 | 19024 | 19195 | 19366 | 19537 | 19708 | 19879 | 20049 | 20220 | 20391 | | 50 |
| | 50 | 20391 | 20562 | 20733 | 20904 | 21074 | 21245 | 21416 | 21587 | 21757 | 21928 | 22099 | | 40 |
| | 60 | 22099 | 22270 | 22441 | 22611 | 22782 | 22953 | 23123 | 23294 | 23465 | 23636 | 23806 | | 30 |
| | 70 | 23806 | 23977 | 24148 | 24318 | 24489 | 24660 | 24830 | 25001 | 25172 | 25342 | 25513 | | 20 |
| | 80 | 25513 | 25684 | 25854 | 26025 | 26195 | 26366 | 26537 | 26707 | 26878 | 27048 | 27219 | | 10 |
| | 90 | 8.60 27219 | 27389 | 27560 | 27730 | 27901 | 28072 | 28242 | 28413 | 28583 | 28754 | 28924 | **45** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $97^g\,45^c$ — log ctg $97^g\,50^c$

## log sin $2^g\,55^c$ — log sin $2^g\,60^c$

| c | cc | | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **55** | **oo** | 8.60 | 25439 | 25609 | 25780 | 25950 | 26120 | 26290 | 26460 | 26631 | 26801 | 26971 | 27141 | 90 |
| | 10 | | 27141 | 27311 | 27481 | 27651 | 27822 | 27992 | 28162 | 28332 | 28502 | 28672 | 28842 | 80 |
| | 20 | | 28842 | 29012 | 29182 | 29352 | 29523 | 29693 | 29863 | 30033 | 30203 | 30373 | 30543 | 70 |
| | 30 | | 30543 | 30713 | 30883 | 31053 | 31223 | 31393 | 31563 | 31733 | 31903 | 32073 | 32243 | 60 |
| | 40 | | 32243 | 32413 | 32583 | 32752 | 32922 | 33092 | 33262 | 33432 | 33602 | 33772 | 33942 | 50 |
| | 50 | | 33942 | 34112 | 34282 | 34452 | 34621 | 34791 | 34961 | 35131 | 35301 | 35471 | 35640 | 40 |
| | 60 | | 35640 | 35810 | 35980 | 36150 | 36320 | 36489 | 36659 | 36829 | 36999 | 37169 | 37338 | 30 |
| | 70 | | 37338 | 37508 | 37678 | 37848 | 38017 | 38187 | 38357 | 38526 | 38696 | 38866 | 39035 | 20 |
| | 80 | | 39035 | 39205 | 39375 | 39545 | 39714 | 39884 | 40053 | 40223 | 40393 | 40562 | 40732 | 10 |
| | 90 | | 40732 | 40902 | 41071 | 41241 | 41410 | 41580 | 41750 | 41919 | 42089 | 42258 | 42428 | **44 oo** |
| **56** | **oo** | 8.60 | 42428 | 42597 | 42767 | 42937 | 43106 | 43276 | 43445 | 43615 | 43784 | 43954 | 44123 | 90 |
| | 10 | | 44123 | 44293 | 44462 | 44632 | 44801 | 44970 | 45140 | 45309 | 45479 | 45648 | 45818 | 80 |
| | 20 | | 45818 | 45987 | 46157 | 46326 | 46495 | 46665 | 46834 | 47003 | 47173 | 47342 | 47512 | 70 |
| | 30 | | 47512 | 47681 | 47850 | 48020 | 48189 | 48358 | 48528 | 48697 | 48866 | 49036 | 49205 | 60 |
| | 40 | | 49205 | 49374 | 49543 | 49713 | 49882 | 50051 | 50220 | 50390 | 50559 | 50728 | 50897 | 50 |
| | 50 | | 50897 | 51067 | 51236 | 51405 | 51574 | 51743 | 51913 | 52082 | 52251 | 52420 | 52589 | 40 |
| | 60 | | 52589 | 52758 | 52928 | 53097 | 53266 | 53435 | 53604 | 53773 | 53942 | 54111 | 54281 | 30 |
| | 70 | | 54281 | 54450 | 54619 | 54788 | 54957 | 55126 | 55295 | 55464 | 55633 | 55802 | 55971 | 20 |
| | 80 | | 55971 | 56140 | 56309 | 56478 | 56647 | 56816 | 56985 | 57154 | 57323 | 57492 | 57661 | 10 |
| | 90 | | 57661 | 57830 | 57999 | 58168 | 58337 | 58506 | 58675 | 58844 | 59013 | 59181 | 59350 | **43 oo** |
| **57** | **oo** | 8.60 | 59350 | 59519 | 59688 | 59857 | 60026 | 60195 | 60364 | 60532 | 60701 | 60870 | 61039 | 90 |
| | 10 | | 61039 | 61208 | 61377 | 61545 | 61714 | 61883 | 62052 | 62221 | 62389 | 62558 | 62727 | 80 |
| | 20 | | 62727 | 62896 | 63064 | 63233 | 63402 | 63571 | 63739 | 63908 | 64077 | 64246 | 64414 | 70 |
| | 30 | | 64414 | 64583 | 64752 | 64920 | 65089 | 65258 | 65426 | 65595 | 65764 | 65932 | 66101 | 60 |
| | 40 | | 66101 | 66269 | 66438 | 66607 | 66775 | 66944 | 67113 | 67281 | 67450 | 67618 | 67787 | 50 |
| | 50 | | 67787 | 67955 | 68124 | 68293 | 68461 | 68630 | 68798 | 68967 | 69135 | 69304 | 69472 | 40 |
| | 60 | | 69472 | 69641 | 69809 | 69978 | 70146 | 70315 | 70483 | 70652 | 70820 | 70988 | 71157 | 30 |
| | 70 | | 71157 | 71325 | 71494 | 71662 | 71831 | 71999 | 72167 | 72336 | 72504 | 72672 | 72841 | 20 |
| | 80 | | 72841 | 73009 | 73178 | 73346 | 73514 | 73683 | 73851 | 74019 | 74188 | 74356 | 74524 | 10 |
| | 90 | | 74524 | 74693 | 74861 | 75029 | 75197 | 75366 | 75534 | 75702 | 75870 | 76039 | 76207 | **42 oo** |
| **58** | **oo** | 8.60 | 76207 | 76375 | 76543 | 76712 | 76880 | 77048 | 77216 | 77384 | 77553 | 77721 | 77889 | 90 |
| | 10 | | 77889 | 78057 | 78225 | 78394 | 78562 | 78730 | 78898 | 79066 | 79234 | 79402 | 79570 | 80 |
| | 20 | | 79570 | 79739 | 79907 | 80075 | 80243 | 80411 | 80579 | 80747 | 80915 | 81083 | 81251 | 70 |
| | 30 | | 81251 | 81419 | 81587 | 81755 | 81923 | 82091 | 82259 | 82427 | 82595 | 82763 | 82931 | 60 |
| | 40 | | 82931 | 83099 | 83267 | 83435 | 83603 | 83771 | 83939 | 84107 | 84275 | 84443 | 84611 | 50 |
| | 50 | | 84611 | 84779 | 84947 | 85114 | 85282 | 85450 | 85618 | 85786 | 85954 | 86122 | 86290 | 40 |
| | 60 | | 86290 | 86457 | 86625 | 86793 | 86961 | 87129 | 87297 | 87464 | 87632 | 87800 | 87968 | 30 |
| | 70 | | 87968 | 88136 | 88303 | 88471 | 88639 | 88807 | 88974 | 89142 | 89310 | 89478 | 89645 | 20 |
| | 80 | | 89645 | 89813 | 89981 | 90148 | 90316 | 90484 | 90651 | 90819 | 90987 | 91154 | 91322 | 10 |
| | 90 | | 91322 | 91490 | 91657 | 91825 | 91993 | 92160 | 92328 | 92496 | 92663 | 92831 | 92998 | **41 oo** |
| **59** | **oo** | 8.60 | 92998 | 93166 | 93333 | 93501 | 93669 | 93836 | 94004 | 94171 | 94339 | 94506 | 94674 | 90 |
| | 10 | | 94674 | 94841 | 95009 | 95176 | 95344 | 95511 | 95679 | 95846 | 96014 | 96181 | 96349 | 80 |
| | 20 | | 96349 | 96516 | 96684 | 96851 | 97019 | 97186 | 97353 | 97521 | 97688 | 97856 | 98023 | 70 |
| | 30 | | 98023 | 98190 | 98358 | 98525 | 98693 | 98860 | 99027 | 99195 | 99362 | 99529 | 99697 | 60 |
| | 40 | 8.60 | 99697 | 99864 | *00031 | *00199 | *00366 | *00533 | *00701 | *00868 | *01035 | *01202 | *01370 | 50 |
| | 50 | 8.61 | 01370 | 01537 | 01704 | 01871 | 02039 | 02206 | 02373 | 02540 | 02708 | 02875 | 03042 | 40 |
| | 60 | | 03042 | 03209 | 03376 | 03544 | 03711 | 03878 | 04045 | 04212 | 04379 | 04547 | 04714 | 30 |
| | 70 | | 04714 | 04881 | 05048 | 05215 | 05382 | 05549 | 05716 | 05883 | 06051 | 06218 | 06385 | 20 |
| | 80 | | 06385 | 06552 | 06719 | 06886 | 07053 | 07220 | 07387 | 07554 | 07721 | 07888 | 08055 | 10 |
| | 90 | 8.61 | 08055 | 08222 | 08389 | 08556 | 08723 | 08890 | 09057 | 09224 | 09391 | 09558 | 09725 | **40 oo** |
| | | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $97^g\,40^c$ — log cos $97^g\,45^c$

## log tg $2^g\,55^c$ — log tg $2^g\,60^c$

| c | cc | | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **55** | **oo** | 8.60 | 28924 | 29095 | 29265 | 29436 | 29606 | 29776 | 29947 | 30117 | 30288 | 30458 | 30629 | | 90 |
| | 10 | | 30629 | 30799 | 30970 | 31140 | 31310 | 31481 | 31651 | 31822 | 31992 | 32162 | 32333 | | 80 |
| | 20 | | 32333 | 32503 | 32673 | 32844 | 33014 | 33184 | 33355 | 33525 | 33695 | 33866 | 34036 | | 70 |
| | 30 | | 34036 | 34206 | 34376 | 34547 | 34717 | 34887 | 35058 | 35228 | 35398 | 35568 | 35739 | | 60 |
| | 40 | | 35739 | 35909 | 36079 | 36249 | 36419 | 36590 | 36760 | 36930 | 37100 | 37270 | 37440 | | 50 |
| | 50 | | 37440 | 37611 | 37781 | 37951 | 38121 | 38291 | 38461 | 38631 | 38802 | 38972 | 39142 | | 40 |
| | 60 | | 39142 | 39312 | 39482 | 39652 | 39822 | 39992 | 40162 | 40332 | 40502 | 40672 | 40842 | | 30 |
| | 70 | | 40842 | 41012 | 41182 | 41352 | 41522 | 41692 | 41862 | 42032 | 42202 | 42372 | 42542 | | 20 |
| | 80 | | 42542 | 42712 | 42882 | 43052 | 43222 | 43392 | 43562 | 43732 | 43902 | 44072 | 44242 | | 10 |
| | 90 | | 44242 | 44411 | 44581 | 44751 | 44921 | 45091 | 45261 | 45431 | 45601 | 45770 | 45940 | **44** | **oo** |
| **56** | **oo** | 8.60 | 45940 | 46110 | 46280 | 46450 | 46619 | 46789 | 46959 | 47129 | 47299 | 47468 | 47638 | | 90 |
| | 10 | | 47638 | 47808 | 47978 | 48147 | 48317 | 48487 | 48657 | 48826 | 48996 | 49166 | 49335 | | 80 |
| | 20 | | 49335 | 49505 | 49675 | 49845 | 50014 | 50184 | 50354 | 50523 | 50693 | 50862 | 51032 | | 70 |
| | 30 | | 51032 | 51202 | 51371 | 51541 | 51711 | 51880 | 52050 | 52219 | 52389 | 52559 | 52728 | | 60 |
| | 40 | | 52728 | 52898 | 53067 | 53237 | 53406 | 53576 | 53745 | 53915 | 54084 | 54254 | 54423 | | 50 |
| | 50 | | 54423 | 54593 | 54762 | 54932 | 55101 | 55271 | 55440 | 55610 | 55779 | 55949 | 56118 | | 40 |
| | 60 | | 56118 | 56287 | 56457 | 56626 | 56796 | 56965 | 57135 | 57304 | 57473 | 57643 | 57812 | | 30 |
| | 70 | | 57812 | 57981 | 58151 | 58320 | 58489 | 58659 | 58828 | 58997 | 59167 | 59336 | 59505 | | 20 |
| | 80 | | 59505 | 59675 | 59844 | 60013 | 60183 | 60352 | 60521 | 60690 | 60860 | 61029 | 61198 | | 10 |
| | 90 | | 61198 | 61367 | 61537 | 61706 | 61875 | 62044 | 62213 | 62383 | 62552 | 62721 | 62890 | **43** | **oo** |
| **57** | **oo** | 8.60 | 62890 | 63059 | 63228 | 63398 | 63567 | 63736 | 63905 | 64074 | 64243 | 64412 | 64581 | | 90 |
| | 10 | | 64581 | 64751 | 64920 | 65089 | 65258 | 65427 | 65596 | 65765 | 65934 | 66103 | 66272 | | 80 |
| | 20 | | 66272 | 66441 | 66610 | 66779 | 66948 | 67117 | 67286 | 67455 | 67624 | 67793 | 67962 | | 70 |
| | 30 | | 67962 | 68131 | 68300 | 68469 | 68638 | 68807 | 68976 | 69145 | 69314 | 69483 | 69652 | | 60 |
| | 40 | | 69652 | 69821 | 69989 | 70158 | 70327 | 70496 | 70665 | 70834 | 71003 | 71172 | 71340 | | 50 |
| | 50 | | 71340 | 71509 | 71678 | 71847 | 72016 | 72185 | 72353 | 72522 | 72691 | 72860 | 73029 | | 40 |
| | 60 | | 73029 | 73197 | 73366 | 73535 | 73704 | 73872 | 74041 | 74210 | 74379 | 74547 | 74716 | | 30 |
| | 70 | | 74716 | 74885 | 75053 | 75222 | 75391 | 75559 | 75728 | 75897 | 76065 | 76234 | 76403 | | 20 |
| | 80 | | 76403 | 76571 | 76740 | 76909 | 77077 | 77246 | 77415 | 77583 | 77752 | 77920 | 78089 | | 10 |
| | 90 | | 78089 | 78257 | 78426 | 78595 | 78763 | 78932 | 79100 | 79269 | 79437 | 79606 | 79774 | **42** | **oo** |
| **58** | **oo** | 8.60 | 79774 | 79943 | 80111 | 80280 | 80448 | 80617 | 80785 | 80954 | 81122 | 81291 | 81459 | | 90 |
| | 10 | | 81459 | 81628 | 81796 | 81965 | 82133 | 82301 | 82470 | 82638 | 82807 | 82975 | 83143 | | 80 |
| | 20 | | 83143 | 83312 | 83480 | 83648 | 83817 | 83985 | 84154 | 84322 | 84490 | 84659 | 84827 | | 70 |
| | 30 | | 84827 | 84995 | 85164 | 85332 | 85500 | 85668 | 85837 | 86005 | 86173 | 86342 | 86510 | | 60 |
| | 40 | | 86510 | 86678 | 86846 | 87015 | 87183 | 87351 | 87519 | 87687 | 87856 | 88024 | 88192 | | 50 |
| | 50 | | 88192 | 88360 | 88528 | 88697 | 88865 | 89033 | 89201 | 89369 | 89537 | 89705 | 89874 | | 40 |
| | 60 | | 89874 | 90042 | 90210 | 90378 | 90546 | 90714 | 90882 | 91050 | 91218 | 91386 | 91555 | | 30 |
| | 70 | | 91555 | 91723 | 91891 | 92059 | 92227 | 92395 | 92563 | 92731 | 92899 | 93067 | 93235 | | 20 |
| | 80 | | 93235 | 93403 | 93571 | 93739 | 93907 | 94075 | 94243 | 94411 | 94579 | 94747 | 94914 | | 10 |
| | 90 | | 94914 | 95082 | 95250 | 95418 | 95586 | 95754 | 95922 | 96090 | 96258 | 96426 | 96593 | **41** | **oo** |
| **59** | **oo** | 8.60 | 96593 | 96761 | 96929 | 97097 | 97265 | 97433 | 97601 | 97768 | 97936 | 98104 | 98272 | | 90 |
| | 10 | | 98272 | 98440 | 98607 | 98775 | 98943 | 99111 | 99278 | 99446 | 99614 | 99782 | 99949 | | 80 |
| | 20 | 8.60 | 99949 | *00117 | *00285 | *00453 | *00620 | *00788 | *00956 | *01123 | *01291 | *01459 | *01627 | | 70 |
| | 30 | 8.61 | 01627 | 01794 | 01962 | 02129 | 02297 | 02465 | 02632 | 02800 | 02968 | 03135 | 03303 | | 60 |
| | 40 | | 03303 | 03471 | 03638 | 03806 | 03973 | 04141 | 04308 | 04476 | 04644 | 04811 | 04979 | | 50 |
| | 50 | | 04979 | 05146 | 05314 | 05481 | 05649 | 05816 | 05984 | 06151 | 06319 | 06486 | 06654 | | 40 |
| | 60 | | 06654 | 06821 | 06989 | 07156 | 07324 | 07491 | 07659 | 07826 | 07993 | 08161 | 08328 | | 30 |
| | 70 | | 08328 | 08496 | 08663 | 08830 | 08998 | 09165 | 09333 | 09500 | 09667 | 09835 | 10002 | | 20 |
| | 80 | | 10002 | 10169 | 10337 | 10504 | 10671 | 10839 | 11006 | 11173 | 11341 | 11508 | 11675 | | 10 |
| | 90 | 8.61 | 11675 | 11843 | 12010 | 12177 | 12344 | 12512 | 12679 | 12846 | 13013 | 13181 | 13348 | **40** | **oo** |
| | | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c | cc |

## log ctg $97^g\,40^c$ — log ctg $97^g\,45^c$

## log sin $2^g\,60^c$ — log sin $2^g\,65^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **60** | **oo** | 8.61 09725 | 09892 | 10059 | 10226 | 10393 | 10560 | 10726 | 10893 | 11060 | 11227 | 11394 | | 90 |
| | 10 | 11394 | 11561 | 11728 | 11895 | 12061 | 12228 | 12395 | 12562 | 12729 | 12896 | 13062 | | 80 |
| | 20 | 13062 | 13229 | 13396 | 13563 | 13730 | 13896 | 14063 | 14230 | 14397 | 14564 | 14730 | | 70 |
| | 30 | 14730 | 14897 | 15064 | 15231 | 15397 | 15564 | 15731 | 15897 | 16064 | 16231 | 16397 | | 60 |
| | 40 | 16397 | 16564 | 16731 | 16898 | 17064 | 17231 | 17397 | 17564 | 17731 | 17897 | 18064 | | 50 |
| | 50 | 18064 | 18231 | 18397 | 18564 | 18730 | 18897 | 19064 | 19230 | 19397 | 19563 | 19730 | | 40 |
| | 60 | 19730 | 19896 | 20063 | 20230 | 20396 | 20563 | 20729 | 20896 | 21062 | 21229 | 21395 | | 30 |
| | 70 | 21395 | 21562 | 21728 | 21895 | 22061 | 22228 | 22394 | 22560 | 22727 | 22893 | 23060 | | 20 |
| | 80 | 23060 | 23226 | 23393 | 23559 | 23725 | 23892 | 24058 | 24225 | 24391 | 24557 | 24724 | | 10 |
| | 90 | 24724 | 24890 | 25057 | 25223 | 25389 | 25556 | 25722 | 25888 | 26055 | 26221 | 26387 | **39** | **oo** |
| **61** | **oo** | 8.61 26387 | 26553 | 26720 | 26886 | 27052 | 27219 | 27385 | 27551 | 27717 | 27884 | 28050 | | 90 |
| | 10 | 28050 | 28216 | 28382 | 28549 | 28715 | 28881 | 29047 | 29213 | 29380 | 29546 | 29712 | | 80 |
| | 20 | 29712 | 29878 | 30044 | 30210 | 30377 | 30543 | 30709 | 30875 | 31041 | 31207 | 31373 | | 70 |
| | 30 | 31373 | 31539 | 31706 | 31872 | 32038 | 32204 | 32370 | 32536 | 32702 | 32868 | 33034 | | 60 |
| | 40 | 33034 | 33200 | 33366 | 33532 | 33698 | 33864 | 34030 | 34196 | 34362 | 34528 | 34694 | | 50 |
| | 50 | 34694 | 34860 | 35026 | 35192 | 35358 | 35524 | 35690 | 35856 | 36022 | 36188 | 36354 | | 40 |
| | 60 | 36354 | 36520 | 36686 | 36852 | 37018 | 37183 | 37349 | 37515 | 37681 | 37847 | 38013 | | 30 |
| | 70 | 38013 | 38179 | 38344 | 38510 | 38676 | 38842 | 39008 | 39174 | 39339 | 39505 | 39671 | | 20 |
| | 80 | 39671 | 39837 | 40003 | 40168 | 40334 | 40500 | 40666 | 40831 | 40997 | 41163 | 41329 | | 10 |
| | 90 | 41329 | 41494 | 41660 | 41826 | 41992 | 42157 | 42323 | 42489 | 42654 | 42820 | 42986 | **38** | **oo** |
| **62** | **oo** | 8.61 42986 | 43151 | 43317 | 43483 | 43648 | 43814 | 43980 | 44145 | 44311 | 44476 | 44642 | | 90 |
| | 10 | 44642 | 44808 | 44973 | 45139 | 45304 | 45470 | 45636 | 45801 | 45967 | 46132 | 46298 | | 80 |
| | 20 | 46298 | 46463 | 46629 | 46794 | 46960 | 47125 | 47291 | 47456 | 47622 | 47787 | 47953 | | 70 |
| | 30 | 47953 | 48118 | 48284 | 48449 | 48615 | 48780 | 48946 | 49111 | 49276 | 49442 | 49607 | | 60 |
| | 40 | 49607 | 49773 | 49938 | 50104 | 50269 | 50434 | 50600 | 50765 | 50930 | 51096 | 51261 | | 50 |
| | 50 | 51261 | 51426 | 51592 | 51757 | 51922 | 52088 | 52253 | 52418 | 52584 | 52749 | 52914 | | 40 |
| | 60 | 52914 | 53080 | 53245 | 53410 | 53575 | 53741 | 53906 | 54071 | 54236 | 54402 | 54567 | | 30 |
| | 70 | 54567 | 54732 | 54897 | 55063 | 55228 | 55393 | 55558 | 55723 | 55889 | 56054 | 56219 | | 20 |
| | 80 | 56219 | 56384 | 56549 | 56714 | 56879 | 57045 | 57210 | 57375 | 57540 | 57705 | 57870 | | 10 |
| | 90 | 57870 | 58035 | 58200 | 58365 | 58531 | 58696 | 58861 | 59026 | 59191 | 59356 | 59521 | **37** | **oo** |
| **63** | **oo** | 8.61 59521 | 59686 | 59851 | 60016 | 60181 | 60346 | 60511 | 60676 | 60841 | 61006 | 61171 | | 90 |
| | 10 | 61171 | 61336 | 61501 | 61666 | 61831 | 61996 | 62161 | 62326 | 62491 | 62655 | 62820 | | 80 |
| | 20 | 62820 | 62985 | 63150 | 63315 | 63480 | 63645 | 63810 | 63975 | 64139 | 64304 | 64469 | | 70 |
| | 30 | 64469 | 64634 | 64799 | 64964 | 65128 | 65293 | 65458 | 65623 | 65788 | 65953 | 66117 | | 60 |
| | 40 | 66117 | 66282 | 66447 | 66612 | 66776 | 66941 | 67106 | 67271 | 67435 | 67600 | 67765 | | 50 |
| | 50 | 67765 | 67930 | 68094 | 68259 | 68424 | 68588 | 68753 | 68918 | 69082 | 69247 | 69412 | | 40 |
| | 60 | 69412 | 69576 | 69741 | 69906 | 70070 | 70235 | 70400 | 70564 | 70729 | 70893 | 71058 | | 30 |
| | 70 | 71058 | 71223 | 71387 | 71552 | 71716 | 71881 | 72046 | 72210 | 72375 | 72539 | 72704 | | 20 |
| | 80 | 72704 | 72868 | 73033 | 73197 | 73362 | 73526 | 73691 | 73855 | 74020 | 74184 | 74349 | | 10 |
| | 90 | 74349 | 74513 | 74678 | 74842 | 75007 | 75171 | 75336 | 75500 | 75664 | 75829 | 75993 | **36** | **oo** |
| **64** | **oo** | 8.61 75993 | 76158 | 76322 | 76486 | 76651 | 76815 | 76980 | 77144 | 77308 | 77473 | 77637 | | 90 |
| | 10 | 77637 | 77801 | 77966 | 78130 | 78294 | 78459 | 78623 | 78787 | 78952 | 79116 | 79280 | | 80 |
| | 20 | 79280 | 79444 | 79609 | 79773 | 79937 | 80102 | 80266 | 80430 | 80594 | 80759 | 80923 | | 70 |
| | 30 | 80923 | 81087 | 81251 | 81415 | 81580 | 81744 | 81908 | 82072 | 82236 | 82401 | 82565 | | 60 |
| | 40 | 82565 | 82729 | 82893 | 83057 | 83221 | 83385 | 83550 | 83714 | 83878 | 84042 | 84206 | | 50 |
| | 50 | 84206 | 84370 | 84534 | 84698 | 84862 | 85026 | 85190 | 85355 | 85519 | 85683 | 85847 | | 40 |
| | 60 | 85847 | 86011 | 86175 | 86339 | 86503 | 86667 | 86831 | 86995 | 87159 | 87323 | 87487 | | 30 |
| | 70 | 87487 | 87651 | 87815 | 87979 | 88143 | 88307 | 88470 | 88634 | 88798 | 88962 | 89126 | | 20 |
| | 80 | 89126 | 89290 | 89454 | 89618 | 89782 | 89946 | 90110 | 90273 | 90437 | 90601 | 90765 | | 10 |
| | 90 | 8.61 90765 | 90929 | 91093 | 91257 | 91420 | 91584 | 91748 | 91912 | 92076 | 92239 | 92403 | **35** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,35^c$ — log cos $97^g\,40^c$

## log tg $2^g\,60^c$ — log tg $2^g\,65^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **60** | **oo** | 8.61 13348 | 13515 | 13682 | 13849 | 14017 | 14184 | 14351 | 14518 | 14685 | 14853 | 15020 | | 90 |
| | 10 | 15020 | 15187 | 15354 | 15521 | 15688 | 15855 | 16023 | 16190 | 16357 | 16524 | 16691 | | 80 |
| | 20 | 16691 | 16858 | 17025 | 17192 | 17359 | 17526 | 17693 | 17860 | 18028 | 18195 | 18362 | | 70 |
| | 30 | 18362 | 18529 | 18696 | 18863 | 19030 | 19197 | 19364 | 19531 | 19698 | 19865 | 20032 | | 60 |
| | 40 | 20032 | 20199 | 20365 | 20532 | 20699 | 20866 | 21033 | 21200 | 21367 | 21534 | 21701 | | 50 |
| | 50 | 21701 | 21868 | 22035 | 22202 | 22368 | 22535 | 22702 | 22869 | 23036 | 23203 | 23370 | | 40 |
| | 60 | 23370 | 23536 | 23703 | 23870 | 24037 | 24204 | 24371 | 24537 | 24704 | 24871 | 25038 | | 30 |
| | 70 | 25038 | 25204 | 25371 | 25538 | 25705 | 25871 | 26038 | 26205 | 26372 | 26538 | 26705 | | 20 |
| | 80 | 26705 | 26872 | 27039 | 27205 | 27372 | 27539 | 27705 | 27872 | 28039 | 28205 | 28372 | | 10 |
| | 90 | 28372 | 28539 | 28705 | 28872 | 29038 | 29205 | 29372 | 29538 | 29705 | 29871 | 30038 | **39** | **oo** |
| **61** | **oo** | 8.61 30038 | 30205 | 30371 | 30538 | 30704 | 30871 | 31037 | 31204 | 31370 | 31537 | 31704 | | 90 |
| | 10 | 31704 | 31870 | 32037 | 32203 | 32370 | 32536 | 32703 | 32869 | 33035 | 33202 | 33368 | | 80 |
| | 20 | 33368 | 33535 | 33701 | 33868 | 34034 | 34201 | 34367 | 34533 | 34700 | 34866 | 35033 | | 70 |
| | 30 | 35033 | 35199 | 35365 | 35532 | 35698 | 35865 | 36031 | 36197 | 36364 | 36530 | 36696 | | 60 |
| | 40 | 36696 | 36863 | 37029 | 37195 | 37362 | 37528 | 37694 | 37860 | 38027 | 38193 | 38359 | | 50 |
| | 50 | 38359 | 38525 | 38692 | 38858 | 39024 | 39190 | 39357 | 39523 | 39689 | 39855 | 40022 | | 40 |
| | 60 | 40022 | 40188 | 40354 | 40520 | 40686 | 40852 | 41019 | 41185 | 41351 | 41517 | 41683 | | 30 |
| | 70 | 41683 | 41849 | 42016 | 42182 | 42348 | 42514 | 42680 | 42846 | 43012 | 43178 | 43344 | | 20 |
| | 80 | 43344 | 43510 | 43676 | 43843 | 44009 | 44175 | 44341 | 44507 | 44673 | 44839 | 45005 | | 10 |
| | 90 | 45005 | 45171 | 45337 | 45503 | 45669 | 45835 | 46001 | 46167 | 46333 | 46499 | 46665 | **38** | **oo** |
| **62** | **oo** | 8.61 46665 | 46831 | 46996 | 47162 | 47328 | 47494 | 47660 | 47826 | 47992 | 48158 | 48324 | | 90 |
| | 10 | 48324 | 48490 | 48655 | 48821 | 48987 | 49153 | 49319 | 49485 | 49651 | 49816 | 49982 | | 80 |
| | 20 | 49982 | 50148 | 50314 | 50480 | 50646 | 50811 | 50977 | 51143 | 51309 | 51474 | 51640 | | 70 |
| | 30 | 51640 | 51806 | 51972 | 52137 | 52303 | 52469 | 52635 | 52800 | 52966 | 53132 | 53297 | | 60 |
| | 40 | 53297 | 53463 | 53629 | 53795 | 53960 | 54126 | 54292 | 54457 | 54623 | 54788 | 54954 | | 50 |
| | 50 | 54954 | 55120 | 55285 | 55451 | 55617 | 55782 | 55948 | 56113 | 56279 | 56445 | 56610 | | 40 |
| | 60 | 56610 | 56776 | 56941 | 57107 | 57272 | 57438 | 57603 | 57769 | 57934 | 58100 | 58266 | | 30 |
| | 70 | 58266 | 58431 | 58597 | 58762 | 58927 | 59093 | 59258 | 59424 | 59589 | 59755 | 59920 | | 20 |
| | 80 | 59920 | 60086 | 60251 | 60417 | 60582 | 60747 | 60913 | 61078 | 61244 | 61409 | 61574 | | 10 |
| | 90 | 61574 | 61740 | 61905 | 62071 | 62236 | 62401 | 62567 | 62732 | 62897 | 63063 | 63228 | **37** | **oo** |
| **63** | **oo** | 8.61 63228 | 63393 | 63559 | 63724 | 63889 | 64054 | 64220 | 64385 | 64550 | 64716 | 64881 | | 90 |
| | 10 | 64881 | 65046 | 65211 | 65377 | 65542 | 65707 | 65872 | 66037 | 66203 | 66368 | 66533 | | 80 |
| | 20 | 66533 | 66698 | 66863 | 67029 | 67194 | 67359 | 67524 | 67689 | 67854 | 68020 | 68185 | | 70 |
| | 30 | 68185 | 68350 | 68515 | 68680 | 68845 | 69010 | 69175 | 69340 | 69506 | 69671 | 69836 | | 60 |
| | 40 | 69836 | 70001 | 70166 | 70331 | 70496 | 70661 | 70826 | 70991 | 71156 | 71321 | 71486 | | 50 |
| | 50 | 71486 | 71651 | 71816 | 71981 | 72146 | 72311 | 72476 | 72641 | 72806 | 72971 | 73136 | | 40 |
| | 60 | 73136 | 73301 | 73466 | 73631 | 73796 | 73960 | 74125 | 74290 | 74455 | 74620 | 74785 | | 30 |
| | 70 | 74785 | 74950 | 75115 | 75280 | 75444 | 75609 | 75774 | 75939 | 76104 | 76269 | 76433 | | 20 |
| | 80 | 76433 | 76598 | 76763 | 76928 | 77093 | 77257 | 77422 | 77587 | 77752 | 77917 | 78081 | | 10 |
| | 90 | 78081 | 78246 | 78411 | 78576 | 78740 | 78905 | 79070 | 79234 | 79399 | 79564 | 79729 | **36** | **oo** |
| **64** | **oo** | 8.61 79729 | 79893 | 80058 | 80223 | 80387 | 80552 | 80717 | 80881 | 81046 | 81211 | 81375 | | 90 |
| | 10 | 81375 | 81540 | 81704 | 81869 | 82034 | 82198 | 82363 | 82527 | 82692 | 82857 | 83021 | | 80 |
| | 20 | 83021 | 83186 | 83350 | 83515 | 83679 | 83844 | 84008 | 84173 | 84338 | 84502 | 84667 | | 70 |
| | 30 | 84667 | 84831 | 84996 | 85160 | 85325 | 85489 | 85653 | 85818 | 85982 | 86147 | 86311 | | 60 |
| | 40 | 86311 | 86476 | 86640 | 86805 | 86969 | 87133 | 87298 | 87462 | 87627 | 87791 | 87955 | | 50 |
| | 50 | 87955 | 88120 | 88284 | 88449 | 88613 | 88777 | 88942 | 89106 | 89270 | 89435 | 89599 | | 40 |
| | 60 | 89599 | 89763 | 89928 | 90092 | 90256 | 90421 | 90585 | 90749 | 90913 | 91078 | 91242 | | 30 |
| | 70 | 91242 | 91406 | 91570 | 91735 | 91899 | 92063 | 92227 | 92392 | 92556 | 92720 | 92884 | | 20 |
| | 80 | 92884 | 93048 | 93213 | 93377 | 93541 | 93705 | 93869 | 94033 | 94198 | 94362 | 94526 | | 10 |
| | 90 | 8.61 94526 | 94690 | 94854 | 95018 | 95182 | 95346 | 95511 | 95675 | 95839 | 96003 | 96167 | **35** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $97^g\,35^c$ — log ctg $97^g\,40^c$

## log sin $2^g\,65^c$ — log sin $2^g\,70^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **65** | **oo** | 8.61 92403 | 92567 | 92731 | 92895 | 93058 | 93222 | 93386 | 93550 | 93713 | 93877 | 94041 | | 90 |
| | 10 | 94041 | 94205 | 94368 | 94532 | 94696 | 94859 | 95023 | 95187 | 95350 | 95514 | 95678 | | 80 |
| | 20 | 95678 | 95841 | 96005 | 96169 | 96332 | 96496 | 96660 | 96823 | 96987 | 97151 | 97314 | | 70 |
| | 30 | 97314 | 97478 | 97641 | 97805 | 97969 | 98132 | 98296 | 98459 | 98623 | 98786 | 98950 | | 60 |
| | 40 | 8.61 98950 | 99113 | 99277 | 99441 | 99604 | 99768 | 99931 | *00095 | *00258 | *00422 | *00585 | | 50 |
| | 50 | 8.62 00585 | 00748 | 00912 | 01075 | 01239 | 01402 | 01566 | 01729 | 01893 | 02056 | 02220 | | 40 |
| | 60 | 02220 | 02383 | 02546 | 02710 | 02873 | 03037 | 03200 | 03363 | 03527 | 03690 | 03853 | | 30 |
| | 70 | 03853 | 04017 | 04180 | 04343 | 04507 | 04670 | 04833 | 04997 | 05160 | 05323 | 05487 | | 20 |
| | 80 | 05487 | 05650 | 05813 | 05977 | 06140 | 06303 | 06466 | 06630 | 06793 | 06956 | 07119 | | 10 |
| | 90 | 07119 | 07283 | 07446 | 07609 | 07772 | 07935 | 08099 | 08262 | 08425 | 08588 | 08751 | **34** | **oo** |
| **66** | **oo** | 8.62 08751 | 08915 | 09078 | 09241 | 09404 | 09567 | 09730 | 09893 | 10057 | 10220 | 10383 | | 90 |
| | 10 | 10383 | 10546 | 10709 | 10872 | 11035 | 11198 | 11361 | 11524 | 11688 | 11851 | 12014 | | 80 |
| | 20 | 12014 | 12177 | 12340 | 12503 | 12666 | 12829 | 12992 | 13155 | 13318 | 13481 | 13644 | | 70 |
| | 30 | 13644 | 13807 | 13970 | 14133 | 14296 | 14459 | 14622 | 14785 | 14948 | 15110 | 15273 | | 60 |
| | 40 | 15273 | 15436 | 15599 | 15762 | 15925 | 16088 | 16251 | 16414 | 16577 | 16740 | 16902 | | 50 |
| | 50 | 16902 | 17065 | 17228 | 17391 | 17554 | 17717 | 17879 | 18042 | 18205 | 18368 | 18531 | | 40 |
| | 60 | 18531 | 18694 | 18856 | 19019 | 19182 | 19345 | 19507 | 19670 | 19833 | 19996 | 20159 | | 30 |
| | 70 | 20159 | 20321 | 20484 | 20647 | 20809 | 20972 | 21135 | 21298 | 21460 | 21623 | 21786 | | 20 |
| | 80 | 21786 | 21948 | 22111 | 22274 | 22436 | 22599 | 22762 | 22924 | 23087 | 23250 | 23412 | | 10 |
| | 90 | 23412 | 23575 | 23737 | 23900 | 24063 | 24225 | 24388 | 24550 | 24713 | 24876 | 25038 | **33** | **oo** |
| **67** | **oo** | 8.62 25038 | 25201 | 25363 | 25526 | 25688 | 25851 | 26013 | 26176 | 26338 | 26501 | 26663 | | 90 |
| | 10 | 26663 | 26826 | 26988 | 27151 | 27313 | 27476 | 27638 | 27801 | 27963 | 28126 | 28288 | | 80 |
| | 20 | 28288 | 28451 | 28613 | 28775 | 28938 | 29100 | 29263 | 29425 | 29587 | 29750 | 29912 | | 70 |
| | 30 | 29912 | 30075 | 30237 | 30399 | 30562 | 30724 | 30886 | 31049 | 31211 | 31373 | 31536 | | 60 |
| | 40 | 31536 | 31698 | 31860 | 32023 | 32185 | 32347 | 32510 | 32672 | 32834 | 32996 | 33159 | | 50 |
| | 50 | 33159 | 33321 | 33483 | 33645 | 33808 | 33970 | 34132 | 34294 | 34456 | 34619 | 34781 | | 40 |
| | 60 | 34781 | 34943 | 35105 | 35267 | 35430 | 35592 | 35754 | 35916 | 36078 | 36240 | 36403 | | 30 |
| | 70 | 36403 | 36565 | 36727 | 36889 | 37051 | 37213 | 37375 | 37537 | 37699 | 37862 | 38024 | | 20 |
| | 80 | 38024 | 38186 | 38348 | 38510 | 38672 | 38834 | 38996 | 39158 | 39320 | 39482 | 39644 | | 10 |
| | 90 | 39644 | 39806 | 39968 | 40130 | 40292 | 40454 | 40616 | 40778 | 40940 | 41102 | 41264 | **32** | **oo** |
| **68** | **oo** | 8.62 41264 | 41426 | 41588 | 41750 | 41912 | 42074 | 42236 | 42397 | 42559 | 42721 | 42883 | | 90 |
| | 10 | 42883 | 43045 | 43207 | 43369 | 43531 | 43693 | 43854 | 44016 | 44178 | 44340 | 44502 | | 80 |
| | 20 | 44502 | 44664 | 44825 | 44987 | 45149 | 45311 | 45473 | 45634 | 45796 | 45958 | 46120 | | 70 |
| | 30 | 46120 | 46282 | 46443 | 46605 | 46767 | 46929 | 47090 | 47252 | 47414 | 47576 | 47737 | | 60 |
| | 40 | 47737 | 47899 | 48061 | 48222 | 48384 | 48546 | 48707 | 48869 | 49031 | 49192 | 49354 | | 50 |
| | 50 | 49354 | 49516 | 49677 | 49839 | 50001 | 50162 | 50324 | 50485 | 50647 | 50809 | 50970 | | 40 |
| | 60 | 50970 | 51132 | 51293 | 51455 | 51617 | 51778 | 51940 | 52101 | 52263 | 52424 | 52586 | | 30 |
| | 70 | 52586 | 52747 | 52909 | 53070 | 53232 | 53393 | 53555 | 53716 | 53878 | 54039 | 54201 | | 20 |
| | 80 | 54201 | 54362 | 54524 | 54685 | 54847 | 55008 | 55170 | 55331 | 55492 | 55654 | 55815 | | 10 |
| | 90 | 55815 | 55977 | 56138 | 56300 | 56461 | 56622 | 56784 | 56945 | 57106 | 57268 | 57429 | **31** | **oo** |
| **69** | **oo** | 8.62 57429 | 57591 | 57752 | 57913 | 58075 | 58236 | 58397 | 58558 | 58720 | 58881 | 59042 | | 90 |
| | 10 | 59042 | 59204 | 59365 | 59526 | 59687 | 59849 | 60010 | 60171 | 60333 | 60494 | 60655 | | 80 |
| | 20 | 60655 | 60816 | 60977 | 61139 | 61300 | 61461 | 61622 | 61783 | 61945 | 62106 | 62267 | | 70 |
| | 30 | 62267 | 62428 | 62589 | 62750 | 62912 | 63073 | 63234 | 63395 | 63556 | 63717 | 63878 | | 60 |
| | 40 | 63878 | 64040 | 64201 | 64362 | 64523 | 64684 | 64845 | 65006 | 65167 | 65328 | 65489 | | 50 |
| | 50 | 65489 | 65650 | 65811 | 65972 | 66133 | 66294 | 66455 | 66616 | 66777 | 66938 | 67099 | | 40 |
| | 60 | 67099 | 67260 | 67421 | 67582 | 67743 | 67904 | 68065 | 68226 | 68387 | 68548 | 68709 | | 30 |
| | 70 | 68709 | 68870 | 69031 | 69192 | 69353 | 69514 | 69675 | 69835 | 69996 | 70157 | 70318 | | 20 |
| | 80 | 70318 | 70479 | 70640 | 70801 | 70962 | 71122 | 71283 | 71444 | 71605 | 71766 | 71927 | | 10 |
| | 90 | 8.62 71927 | 72087 | 72248 | 72409 | 72570 | 72731 | 72891 | 73052 | 73213 | 73374 | 73534 | **30** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,30^c$ — log cos $97^g\,35^c$

## log tg $2^g\,65^c$ — log tg $2^g\,70^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | c | cc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **65** | **oo** | 8.61 96167 | 96331 | 96495 | 96659 | 96823 | 96987 | 97151 | 97315 | 97479 | 97643 | 97807 | | 90 |
| | 10 | 97807 | 97971 | 98135 | 98299 | 98463 | 98627 | 98791 | 98955 | 99119 | 99283 | 99447 | | 80 |
| | 20 | 8.61 99447 | 99611 | 99775 | 99939 | *00103 | *00267 | *00431 | *00595 | *00759 | *00922 | *01086 | | 70 |
| | 30 | 8.62 01086 | 01250 | 01414 | 01578 | 01742 | 01906 | 02070 | 02233 | 02397 | 02561 | 02725 | | 60 |
| | 40 | 02725 | 02889 | 03053 | 03216 | 03380 | 03544 | 03708 | 03872 | 04035 | 04199 | 04363 | | 50 |
| | 50 | 04363 | 04527 | 04690 | 04854 | 05018 | 05182 | 05345 | 05509 | 05673 | 05837 | 06000 | | 40 |
| | 60 | 06000 | 06164 | 06328 | 06491 | 06655 | 06819 | 06982 | 07146 | 07310 | 07473 | 07637 | | 30 |
| | 70 | 07637 | 07801 | 07964 | 08128 | 08292 | 08455 | 08619 | 08782 | 08946 | 09110 | 09273 | | 20 |
| | 80 | 09273 | 09437 | 09600 | 09764 | 09927 | 10091 | 10254 | 10418 | 10582 | 10745 | 10909 | | 10 |
| | 90 | 10909 | 11072 | 11236 | 11399 | 11563 | 11726 | 11890 | 12053 | 12217 | 12380 | 12544 | **34** | **oo** |
| **66** | **oo** | 8.62 12544 | 12707 | 12870 | 13034 | 13197 | 13361 | 13524 | 13688 | 13851 | 14014 | 14178 | | 90 |
| | 10 | 14178 | 14341 | 14505 | 14668 | 14831 | 14995 | 15158 | 15321 | 15485 | 15648 | 15811 | | 80 |
| | 20 | 15811 | 15975 | 16138 | 16301 | 16465 | 16628 | 16791 | 16955 | 17118 | 17281 | 17445 | | 70 |
| | 30 | 17445 | 17608 | 17771 | 17934 | 18098 | 18261 | 18424 | 18587 | 18751 | 18914 | 19077 | | 60 |
| | 40 | 19077 | 19240 | 19403 | 19567 | 19730 | 19893 | 20056 | 20219 | 20382 | 20546 | 20709 | | 50 |
| | 50 | 20709 | 20872 | 21035 | 21198 | 21361 | 21524 | 21688 | 21851 | 22014 | 22177 | 22340 | | 40 |
| | 60 | 22340 | 22503 | 22666 | 22829 | 22992 | 23155 | 23318 | 23482 | 23645 | 23808 | 23971 | | 30 |
| | 70 | 23971 | 24134 | 24297 | 24460 | 24623 | 24786 | 24949 | 25112 | 25275 | 25438 | 25601 | | 20 |
| | 80 | 25601 | 25764 | 25927 | 26090 | 26252 | 26415 | 26578 | 26741 | 26904 | 27067 | 27230 | | 10 |
| | 90 | 27230 | 27393 | 27556 | 27719 | 27882 | 28045 | 28207 | 28370 | 28533 | 28696 | 28859 | **33** | **oo** |
| **67** | **oo** | 8.62 28859 | 29022 | 29185 | 29347 | 29510 | 29673 | 29836 | 29999 | 30161 | 30324 | 30487 | | 90 |
| | 10 | 30487 | 30650 | 30813 | 30975 | 31138 | 31301 | 31464 | 31626 | 31789 | 31952 | 32115 | | 80 |
| | 20 | 32115 | 32277 | 32440 | 32603 | 32765 | 32928 | 33091 | 33254 | 33416 | 33579 | 33742 | | 70 |
| | 30 | 33742 | 33904 | 34067 | 34229 | 34392 | 34555 | 34717 | 34880 | 35043 | 35205 | 35368 | | 60 |
| | 40 | 35368 | 35530 | 35693 | 35856 | 36018 | 36181 | 36343 | 36506 | 36669 | 36831 | 36994 | | 50 |
| | 50 | 36994 | 37156 | 37319 | 37481 | 37644 | 37806 | 37969 | 38131 | 38294 | 38456 | 38619 | | 40 |
| | 60 | 38619 | 38781 | 38944 | 39106 | 39269 | 39431 | 39594 | 39756 | 39918 | 40081 | 40243 | | 30 |
| | 70 | 40243 | 40406 | 40568 | 40731 | 40893 | 41055 | 41218 | 41380 | 41542 | 41705 | 41867 | | 20 |
| | 80 | 41867 | 42030 | 42192 | 42354 | 42517 | 42679 | 42841 | 43004 | 43166 | 43328 | 43491 | | 10 |
| | 90 | 43491 | 43653 | 43815 | 43977 | 44140 | 44302 | 44464 | 44627 | 44789 | 44951 | 45113 | **32** | **oo** |
| **68** | **oo** | 8.62 45113 | 45276 | 45438 | 45600 | 45762 | 45924 | 46087 | 46249 | 46411 | 46573 | 46735 | | 90 |
| | 10 | 46735 | 46898 | 47060 | 47222 | 47384 | 47546 | 47708 | 47871 | 48033 | 48195 | 48357 | | 80 |
| | 20 | 48357 | 48519 | 48681 | 48843 | 49005 | 49167 | 49330 | 49492 | 49654 | 49816 | 49978 | | 70 |
| | 30 | 49978 | 50140 | 50302 | 50464 | 50626 | 50788 | 50950 | 51112 | 51274 | 51436 | 51598 | | 60 |
| | 40 | 51598 | 51760 | 51922 | 52084 | 52246 | 52408 | 52570 | 52732 | 52894 | 53056 | 53218 | | 50 |
| | 50 | 53218 | 53380 | 53542 | 53704 | 53866 | 54027 | 54189 | 54351 | 54513 | 54675 | 54837 | | 40 |
| | 60 | 54837 | 54999 | 55161 | 55323 | 55484 | 55646 | 55808 | 55970 | 56132 | 56294 | 56455 | | 30 |
| | 70 | 56455 | 56617 | 56779 | 56941 | 57103 | 57264 | 57426 | 57588 | 57750 | 57912 | 58073 | | 20 |
| | 80 | 58073 | 58235 | 58397 | 58559 | 58720 | 58882 | 59044 | 59206 | 59367 | 59529 | 59691 | | 10 |
| | 90 | 59691 | 59852 | 60014 | 60176 | 60337 | 60499 | 60661 | 60822 | 60984 | 61146 | 61307 | **31** | **oo** |
| **69** | **oo** | 8.62 61307 | 61469 | 61631 | 61792 | 61954 | 62115 | 62277 | 62439 | 62600 | 62762 | 62923 | | 90 |
| | 10 | 62923 | 63085 | 63247 | 63408 | 63570 | 63731 | 63893 | 64054 | 64216 | 64377 | 64539 | | 80 |
| | 20 | 64539 | 64700 | 64862 | 65023 | 65185 | 65346 | 65508 | 65669 | 65831 | 65992 | 66154 | | 70 |
| | 30 | 66154 | 66315 | 66477 | 66638 | 66800 | 66961 | 67122 | 67284 | 67445 | 67607 | 67768 | | 60 |
| | 40 | 67768 | 67930 | 68091 | 68252 | 68414 | 68575 | 68736 | 68898 | 69059 | 69221 | 69382 | | 50 |
| | 50 | 69382 | 69543 | 69705 | 69866 | 70027 | 70188 | 70350 | 70511 | 70672 | 70834 | 70995 | | 40 |
| | 60 | 70995 | 71156 | 71318 | 71479 | 71640 | 71801 | 71963 | 72124 | 72285 | 72446 | 72607 | | 30 |
| | 70 | 72607 | 72769 | 72930 | 73091 | 73252 | 73414 | 73575 | 73736 | 73897 | 74058 | 74219 | | 20 |
| | 80 | 74219 | 74381 | 74542 | 74703 | 74864 | 75025 | 75186 | 75347 | 75508 | 75670 | 75831 | | 10 |
| | 90 | 8.62 75831 | 75992 | 76153 | 76314 | 76475 | 76636 | 76797 | 76958 | 77119 | 77280 | 77441 | **30** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $97^g\,30^c$ — log ctg $97^g\,35^c$

## log sin $2^g\,70^c$ — log sin $2^g\,75^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **70** | **oo** | 8.62 73534 | 73695 | 73856 | 74017 | 74177 | 74338 | 74499 | 74659 | 74820 | 74981 | 75142 | | 90 |
| | 10 | 75142 | 75302 | 75463 | 75624 | 75784 | 75945 | 76106 | 76266 | 76427 | 76588 | 76748 | | 80 |
| | 20 | 76748 | 76909 | 77069 | 77230 | 77391 | 77551 | 77712 | 77873 | 78033 | 78194 | 78354 | | 70 |
| | 30 | 78354 | 78515 | 78675 | 78836 | 78997 | 79157 | 79318 | 79478 | 79639 | 79799 | 79960 | | 60 |
| | 40 | 79960 | 80120 | 80281 | 80441 | 80602 | 80762 | 80923 | 81083 | 81244 | 81404 | 81565 | | 50 |
| | 50 | 81565 | 81725 | 81885 | 82046 | 82206 | 82367 | 82527 | 82688 | 82848 | 83008 | 83169 | | 40 |
| | 60 | 83169 | 83329 | 83490 | 83650 | 83810 | 83971 | 84131 | 84291 | 84452 | 84612 | 84773 | | 30 |
| | 70 | 84773 | 84933 | 85093 | 85254 | 85414 | 85574 | 85734 | 85895 | 86055 | 86215 | 86376 | | 20 |
| | 80 | 86376 | 86536 | 86696 | 86856 | 87017 | 87177 | 87337 | 87497 | 87658 | 87818 | 87978 | | 10 |
| | 90 | 87978 | 88138 | 88299 | 88459 | 88619 | 88779 | 88939 | 89099 | 89260 | 89420 | 89580 | **29** | **oo** |
| **71** | **oo** | 8.62 89580 | 89740 | 89900 | 90060 | 90221 | 90381 | 90541 | 90701 | 90861 | 91021 | 91181 | | 90 |
| | 10 | 91181 | 91341 | 91501 | 91662 | 91822 | 91982 | 92142 | 92302 | 92462 | 92622 | 92782 | | 80 |
| | 20 | 92782 | 92942 | 93102 | 93262 | 93422 | 93582 | 93742 | 93902 | 94062 | 94222 | 94382 | | 70 |
| | 30 | 94382 | 94542 | 94702 | 94862 | 95022 | 95182 | 95342 | 95502 | 95662 | 95822 | 95982 | | 60 |
| | 40 | 95982 | 96142 | 96301 | 96461 | 96621 | 96781 | 96941 | 97101 | 97261 | 97421 | 97581 | | 50 |
| | 50 | 97581 | 97740 | 97900 | 98060 | 98220 | 98380 | 98540 | 98699 | 98859 | 99019 | 99179 | | 40 |
| | 60 | 8.62 99179 | 99339 | 99499 | 99658 | 99818 | 99978 | *00138 | *00297 | *00457 | *00617 | *00777 | | 30 |
| | 70 | 8.63 00777 | 00936 | 01096 | 01256 | 01416 | 01575 | 01735 | 01895 | 02054 | 02214 | 02374 | | 20 |
| | 80 | 02374 | 02534 | 02693 | 02853 | 03013 | 03172 | 03332 | 03491 | 03651 | 03811 | 03970 | | 10 |
| | 90 | 03970 | 04130 | 04290 | 04449 | 04609 | 04768 | 04928 | 05088 | 05247 | 05407 | 05566 | **28** | **oo** |
| **72** | **oo** | 8.63 05566 | 05726 | 05886 | 06045 | 06205 | 06364 | 06524 | 06683 | 06843 | 07002 | 07162 | | 90 |
| | 10 | 07162 | 07321 | 07481 | 07640 | 07800 | 07959 | 08119 | 08278 | 08438 | 08597 | 08757 | | 80 |
| | 20 | 08757 | 08916 | 09076 | 09235 | 09394 | 09554 | 09713 | 09873 | 10032 | 10191 | 10351 | | 70 |
| | 30 | 10351 | 10510 | 10670 | 10829 | 10988 | 11148 | 11307 | 11466 | 11626 | 11785 | 11945 | | 60 |
| | 40 | 11945 | 12104 | 12263 | 12422 | 12582 | 12741 | 12900 | 13060 | 13219 | 13378 | 13538 | | 50 |
| | 50 | 13538 | 13697 | 13856 | 14015 | 14175 | 14334 | 14493 | 14652 | 14812 | 14971 | 15130 | | 40 |
| | 60 | 15130 | 15289 | 15448 | 15608 | 15767 | 15926 | 16085 | 16244 | 16404 | 16563 | 16722 | | 30 |
| | 70 | 16722 | 16881 | 17040 | 17199 | 17359 | 17518 | 17677 | 17836 | 17995 | 18154 | 18313 | | 20 |
| | 80 | 18313 | 18472 | 18631 | 18791 | 18950 | 19109 | 19268 | 19427 | 19586 | 19745 | 19904 | | 10 |
| | 90 | 19904 | 20063 | 20222 | 20381 | 20540 | 20699 | 20858 | 21017 | 21176 | 21335 | 21494 | **27** | **oo** |
| **73** | **oo** | 8.63 21494 | 21653 | 21812 | 21971 | 22130 | 22289 | 22448 | 22607 | 22766 | 22925 | 23084 | | 90 |
| | 10 | 23084 | 23243 | 23401 | 23560 | 23719 | 23878 | 24037 | 24196 | 24355 | 24514 | 24673 | | 80 |
| | 20 | 24673 | 24831 | 24990 | 25149 | 25308 | 25467 | 25626 | 25785 | 25943 | 26102 | 26261 | | 70 |
| | 30 | 26261 | 26420 | 26579 | 26737 | 26896 | 27055 | 27214 | 27373 | 27531 | 27690 | 27849 | | 60 |
| | 40 | 27849 | 28008 | 28166 | 28325 | 28484 | 28643 | 28801 | 28960 | 29119 | 29277 | 29436 | | 50 |
| | 50 | 29436 | 29595 | 29753 | 29912 | 30071 | 30229 | 30388 | 30547 | 30705 | 30864 | 31023 | | 40 |
| | 60 | 31023 | 31181 | 31340 | 31499 | 31657 | 31816 | 31974 | 32133 | 32292 | 32450 | 32609 | | 30 |
| | 70 | 32609 | 32767 | 32926 | 33084 | 33243 | 33402 | 33560 | 33719 | 33877 | 34036 | 34194 | | 20 |
| | 80 | 34194 | 34353 | 34511 | 34670 | 34828 | 34987 | 35145 | 35304 | 35462 | 35621 | 35779 | | 10 |
| | 90 | 35779 | 35938 | 36096 | 36255 | 36413 | 36571 | 36730 | 36888 | 37047 | 37205 | 37363 | **26** | **oo** |
| **74** | **oo** | 8.63 37363 | 37522 | 37680 | 37839 | 37997 | 38155 | 38314 | 38472 | 38631 | 38789 | 38947 | | 90 |
| | 10 | 38947 | 39106 | 39264 | 39422 | 39581 | 39739 | 39897 | 40056 | 40214 | 40372 | 40530 | | 80 |
| | 20 | 40530 | 40689 | 40847 | 41005 | 41164 | 41322 | 41480 | 41638 | 41797 | 41955 | 42113 | | 70 |
| | 30 | 42113 | 42271 | 42429 | 42588 | 42746 | 42904 | 43062 | 43220 | 43379 | 43537 | 43695 | | 60 |
| | 40 | 43695 | 43853 | 44011 | 44170 | 44328 | 44486 | 44644 | 44802 | 44960 | 45118 | 45276 | | 50 |
| | 50 | 45276 | 45435 | 45593 | 45751 | 45909 | 46067 | 46225 | 46383 | 46541 | 46699 | 46857 | | 40 |
| | 60 | 46857 | 47015 | 47173 | 47331 | 47489 | 47648 | 47806 | 47964 | 48122 | 48280 | 48438 | | 30 |
| | 70 | 48438 | 48596 | 48754 | 48912 | 49070 | 49228 | 49385 | 49543 | 49701 | 49859 | 50017 | | 20 |
| | 80 | 50017 | 50175 | 50333 | 50491 | 50649 | 50807 | 50965 | 51123 | 51281 | 51439 | 51596 | | 10 |
| | 90 | 8.63 51596 | 51754 | 51912 | 52070 | 52228 | 52386 | 52544 | 52701 | 52859 | 53017 | 53175 | **25** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,25^c$ — log cos $97^g\,30^c$

## log tg $2^g\,70^c$ — log tg $2^g\,75^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **70** | **oo** | 8.62 77441 | 77602 | 77764 | 77925 | 78086 | 78247 | 78408 | 78569 | 78730 | 78891 | 79052 | | 90 |
| | 10 | 79052 | 79213 | 79374 | 79534 | 79695 | 79856 | 80017 | 80178 | 80339 | 80500 | 80661 | | 80 |
| | 20 | 80661 | 80822 | 80983 | 81144 | 81305 | 81466 | 81627 | 81787 | 81948 | 82109 | 82270 | | 70 |
| | 30 | 82270 | 82431 | 82592 | 82753 | 82913 | 83074 | 83235 | 83396 | 83557 | 83718 | 83878 | | 60 |
| | 40 | 83878 | 84039 | 84200 | 84361 | 84522 | 84682 | 84843 | 85004 | 85165 | 85325 | 85486 | | 50 |
| | 50 | 85486 | 85647 | 85808 | 85968 | 86129 | 86290 | 86451 | 86611 | 86772 | 86933 | 87093 | | 40 |
| | 60 | 87093 | 87254 | 87415 | 87575 | 87736 | 87897 | 88057 | 88218 | 88379 | 88539 | 88700 | | 30 |
| | 70 | 88700 | 88861 | 89021 | 89182 | 89342 | 89503 | 89664 | 89824 | 89985 | 90145 | 90306 | | 20 |
| | 80 | 90306 | 90466 | 90627 | 90788 | 90948 | 91109 | 91269 | 91430 | 91590 | 91751 | 91911 | | 10 |
| | 90 | 91911 | 92072 | 92232 | 92393 | 92553 | 92714 | 92874 | 93035 | 93195 | 93356 | 93516 | **29** | **oo** |
| **71** | **oo** | 8.62 93516 | 93676 | 93837 | 93997 | 94158 | 94318 | 94479 | 94639 | 94799 | 94960 | 95120 | | 90 |
| | 10 | 95120 | 95281 | 95441 | 95601 | 95762 | 95922 | 96082 | 96243 | 96403 | 96564 | 96724 | | 80 |
| | 20 | 96724 | 96884 | 97045 | 97205 | 97365 | 97525 | 97686 | 97846 | 98006 | 98167 | 98327 | | 70 |
| | 30 | 98327 | 98487 | 98647 | 98808 | 98968 | 99128 | 99288 | 99449 | 99609 | 99769 | 99929 | | 60 |
| | 40 | 8.62 99929 | *00090 | *00250 | *00410 | *00570 | *00730 | *00891 | *01051 | *01211 | *01371 | *01531 | | 50 |
| | 50 | 8.63 01531 | 01691 | 01851 | 02012 | 02172 | 02332 | 02492 | 02652 | 02812 | 02972 | 03132 | | 40 |
| | 60 | 03132 | 03293 | 03453 | 03613 | 03773 | 03933 | 04093 | 04253 | 04413 | 04573 | 04733 | | 30 |
| | 70 | 04733 | 04893 | 05053 | 05213 | 05373 | 05533 | 05693 | 05853 | 06013 | 06173 | 06333 | | 20 |
| | 80 | 06333 | 06493 | 06653 | 06813 | 06973 | 07133 | 07293 | 07453 | 07613 | 07773 | 07933 | | 10 |
| | 90 | 07933 | 08093 | 08253 | 08412 | 08572 | 08732 | 08892 | 09052 | 09212 | 09372 | 09532 | **28** | **oo** |
| **72** | **oo** | 8.63 09532 | 09691 | 09851 | 10011 | 10171 | 10331 | 10491 | 10650 | 10810 | 10970 | 11130 | | 90 |
| | 10 | 11130 | 11290 | 11450 | 11609 | 11769 | 11929 | 12089 | 12248 | 12408 | 12568 | 12728 | | 80 |
| | 20 | 12728 | 12887 | 13047 | 13207 | 13367 | 13526 | 13686 | 13846 | 14005 | 14165 | 14325 | | 70 |
| | 30 | 14325 | 14484 | 14644 | 14804 | 14964 | 15123 | 15283 | 15442 | 15602 | 15762 | 15921 | | 60 |
| | 40 | 15921 | 16081 | 16241 | 16400 | 16560 | 16719 | 16879 | 17039 | 17198 | 17358 | 17517 | | 50 |
| | 50 | 17517 | 17677 | 17836 | 17996 | 18156 | 18315 | 18475 | 18634 | 18794 | 18953 | 19113 | | 40 |
| | 60 | 19113 | 19272 | 19432 | 19591 | 19751 | 19910 | 20070 | 20229 | 20389 | 20548 | 20708 | | 30 |
| | 70 | 20708 | 20867 | 21026 | 21186 | 21345 | 21505 | 21664 | 21824 | 21983 | 22142 | 22302 | | 20 |
| | 80 | 22302 | 22461 | 22621 | 22780 | 22939 | 23099 | 23258 | 23417 | 23577 | 23736 | 23895 | | 10 |
| | 90 | 23895 | 24055 | 24214 | 24373 | 24533 | 24692 | 24851 | 25011 | 25170 | 25329 | 25489 | **27** | **oo** |
| **73** | **oo** | 8.63 25489 | 25648 | 25807 | 25966 | 26126 | 26285 | 26444 | 26603 | 26763 | 26922 | 27081 | | 90 |
| | 10 | 27081 | 27240 | 27399 | 27559 | 27718 | 27877 | 28036 | 28195 | 28355 | 28514 | 28673 | | 80 |
| | 20 | 28673 | 28832 | 28991 | 29150 | 29309 | 29469 | 29628 | 29787 | 29946 | 30105 | 30264 | | 70 |
| | 30 | 30264 | 30423 | 30582 | 30741 | 30901 | 31060 | 31219 | 31378 | 31537 | 31696 | 31855 | | 60 |
| | 40 | 31855 | 32014 | 32173 | 32332 | 32491 | 32650 | 32809 | 32968 | 33127 | 33286 | 33445 | | 50 |
| | 50 | 33445 | 33604 | 33763 | 33922 | 34081 | 34240 | 34399 | 34558 | 34717 | 34876 | 35035 | | 40 |
| | 60 | 35035 | 35194 | 35353 | 35511 | 35670 | 35829 | 35988 | 36147 | 36306 | 36465 | 36624 | | 30 |
| | 70 | 36624 | 36783 | 36941 | 37100 | 37259 | 37418 | 37577 | 37736 | 37894 | 38053 | 38212 | | 20 |
| | 80 | 38212 | 38371 | 38530 | 38689 | 38847 | 39006 | 39165 | 39324 | 39482 | 39641 | 39800 | | 10 |
| | 90 | 39800 | 39959 | 40117 | 40276 | 40435 | 40594 | 40752 | 40911 | 41070 | 41229 | 41387 | **26** | **oo** |
| **74** | **oo** | 8.63 41387 | 41546 | 41705 | 41863 | 42022 | 42181 | 42339 | 42498 | 42657 | 42815 | 42974 | | 90 |
| | 10 | 42974 | 43133 | 43291 | 43450 | 43608 | 43767 | 43926 | 44084 | 44243 | 44401 | 44560 | | 80 |
| | 20 | 44560 | 44719 | 44877 | 45036 | 45194 | 45353 | 45511 | 45670 | 45828 | 45987 | 46146 | | 70 |
| | 30 | 46146 | 46304 | 46463 | 46621 | 46780 | 46938 | 47097 | 47255 | 47414 | 47572 | 47731 | | 60 |
| | 40 | 47731 | 47889 | 48047 | 48206 | 48364 | 48523 | 48681 | 48840 | 48998 | 49156 | 49315 | | 50 |
| | 50 | 49315 | 49473 | 49632 | 49790 | 49948 | 50107 | 50265 | 50424 | 50582 | 50740 | 50899 | | 40 |
| | 60 | 50899 | 51057 | 51215 | 51374 | 51532 | 51690 | 51849 | 52007 | 52165 | 52324 | 52482 | | 30 |
| | 70 | 52482 | 52640 | 52798 | 52957 | 53115 | 53273 | 53432 | 53590 | 53748 | 53906 | 54065 | | 20 |
| | 80 | 54065 | 54223 | 54381 | 54539 | 54697 | 54856 | 55014 | 55172 | 55330 | 55488 | 55647 | | 10 |
| | 90 | 8.63 55647 | 55805 | 55963 | 56121 | 56279 | 56437 | 56596 | 56754 | 56912 | 57070 | 57228 | **25** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $97^g\,25^c$ — log ctg $97^g\,30^c$

## log sin $2^g\,75^c$ — log sin $2^g\,80^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **75** | **oo** | 8.63 53175 | 53333 | 53491 | 53648 | 53806 | 53964 | 54122 | 54280 | 54437 | 54595 | 54753 | | 90 |
| | 10 | 54753 | 54911 | 55068 | 55226 | 55384 | 55542 | 55699 | 55857 | 56015 | 56173 | 56330 | | 80 |
| | 20 | 56330 | 56488 | 56646 | 56803 | 56961 | 57119 | 57277 | 57434 | 57592 | 57750 | 57907 | | 70 |
| | 30 | 57907 | 58065 | 58223 | 58380 | 58538 | 58695 | 58853 | 59011 | 59168 | 59326 | 59483 | | 60 |
| | 40 | 59483 | 59641 | 59799 | 59956 | 60114 | 60271 | 60429 | 60587 | 60744 | 60902 | 61059 | | 50 |
| | 50 | 61059 | 61217 | 61374 | 61532 | 61689 | 61847 | 62004 | 62162 | 62319 | 62477 | 62634 | | 40 |
| | 60 | 62634 | 62792 | 62949 | 63107 | 63264 | 63422 | 63579 | 63737 | 63894 | 64051 | 64209 | | 30 |
| | 70 | 64209 | 64366 | 64524 | 64681 | 64838 | 64996 | 65153 | 65311 | 65468 | 65625 | 65783 | | 20 |
| | 80 | 65783 | 65940 | 66098 | 66255 | 66412 | 66570 | 66727 | 66884 | 67042 | 67199 | 67356 | | 10 |
| | 90 | 67356 | 67514 | 67671 | 67828 | 67985 | 68143 | 68300 | 68457 | 68615 | 68772 | 68929 | **24** | **oo** |
| **76** | **oo** | 8.63 68929 | 69086 | 69244 | 69401 | 69558 | 69715 | 69872 | 70030 | 70187 | 70344 | 70501 | | 90 |
| | 10 | 70501 | 70658 | 70816 | 70973 | 71130 | 71287 | 71444 | 71602 | 71759 | 71916 | 72073 | | 80 |
| | 20 | 72073 | 72230 | 72387 | 72544 | 72701 | 72859 | 73016 | 73173 | 73330 | 73487 | 73644 | | 70 |
| | 30 | 73644 | 73801 | 73958 | 74115 | 74272 | 74429 | 74586 | 74744 | 74901 | 75058 | 75215 | | 60 |
| | 40 | 75215 | 75372 | 75529 | 75686 | 75843 | 76000 | 76157 | 76314 | 76471 | 76628 | 76785 | | 50 |
| | 50 | 76785 | 76942 | 77099 | 77256 | 77412 | 77569 | 77726 | 77883 | 78040 | 78197 | 78354 | | 40 |
| | 60 | 78354 | 78511 | 78668 | 78825 | 78982 | 79139 | 79295 | 79452 | 79609 | 79766 | 79923 | | 30 |
| | 70 | 79923 | 80080 | 80237 | 80393 | 80550 | 80707 | 80864 | 81021 | 81178 | 81334 | 81491 | | 20 |
| | 80 | 81491 | 81648 | 81805 | 81962 | 82118 | 82275 | 82432 | 82589 | 82745 | 82902 | 83059 | | 10 |
| | 90 | 83059 | 83216 | 83372 | 83529 | 83686 | 83843 | 83999 | 84156 | 84313 | 84469 | 84626 | **23** | **oo** |
| **77** | **oo** | 8.63 84626 | 84783 | 84939 | 85096 | 85253 | 85409 | 85566 | 85723 | 85879 | 86036 | 86193 | | 90 |
| | 10 | 86193 | 86349 | 86506 | 86662 | 86819 | 86976 | 87132 | 87289 | 87445 | 87602 | 87759 | | 80 |
| | 20 | 87759 | 87915 | 88072 | 88228 | 88385 | 88541 | 88698 | 88854 | 89011 | 89168 | 89324 | | 70 |
| | 30 | 89324 | 89481 | 89637 | 89794 | 89950 | 90107 | 90263 | 90420 | 90576 | 90732 | 90889 | | 60 |
| | 40 | 90889 | 91045 | 91202 | 91358 | 91515 | 91671 | 91828 | 91984 | 92140 | 92297 | 92453 | | 50 |
| | 50 | 92453 | 92610 | 92766 | 92922 | 93079 | 93235 | 93392 | 93548 | 93704 | 93861 | 94017 | | 40 |
| | 60 | 94017 | 94173 | 94330 | 94486 | 94642 | 94799 | 94955 | 95111 | 95268 | 95424 | 95580 | | 30 |
| | 70 | 95580 | 95736 | 95893 | 96049 | 96205 | 96362 | 96518 | 96674 | 96830 | 96987 | 97143 | | 20 |
| | 80 | 97143 | 97299 | 97455 | 97611 | 97768 | 97924 | 98080 | 98236 | 98393 | 98549 | 98705 | | 10 |
| | 90 | 8.63 98705 | 98861 | 99017 | 99173 | 99330 | 99486 | 99642 | 99798 | 99954 | *00110 | *00266 | **22** | **oo** |
| **78** | **oo** | 8.64 00266 | 00422 | 00579 | 00735 | 00891 | 01047 | 01203 | 01359 | 01515 | 01671 | 01827 | | 90 |
| | 10 | 01827 | 01983 | 02139 | 02295 | 02452 | 02608 | 02764 | 02920 | 03076 | 03232 | 03388 | | 80 |
| | 20 | 03388 | 03544 | 03700 | 03856 | 04012 | 04168 | 04324 | 04480 | 04636 | 04792 | 04948 | | 70 |
| | 30 | 04948 | 05103 | 05259 | 05415 | 05571 | 05727 | 05883 | 06039 | 06195 | 06351 | 06507 | | 60 |
| | 40 | 06507 | 06663 | 06819 | 06974 | 07130 | 07286 | 07442 | 07598 | 07754 | 07910 | 08065 | | 50 |
| | 50 | 08065 | 08221 | 08377 | 08533 | 08689 | 08845 | 09000 | 09156 | 09312 | 09468 | 09624 | | 40 |
| | 60 | 09624 | 09779 | 09935 | 10091 | 10247 | 10402 | 10558 | 10714 | 10870 | 11025 | 11181 | | 30 |
| | 70 | 11181 | 11337 | 11493 | 11648 | 11804 | 11960 | 12115 | 12271 | 12427 | 12582 | 12738 | | 20 |
| | 80 | 12738 | 12894 | 13049 | 13205 | 13361 | 13516 | 13672 | 13828 | 13983 | 14139 | 14295 | | 10 |
| | 90 | 14295 | 14450 | 14606 | 14761 | 14917 | 15073 | 15228 | 15384 | 15539 | 15695 | 15851 | **21** | **oo** |
| **79** | **oo** | 8.64 15851 | 16006 | 16162 | 16317 | 16473 | 16628 | 16784 | 16939 | 17095 | 17250 | 17406 | | 90 |
| | 10 | 17406 | 17561 | 17717 | 17872 | 18028 | 18183 | 18339 | 18494 | 18650 | 18805 | 18961 | | 80 |
| | 20 | 18961 | 19116 | 19272 | 19427 | 19582 | 19738 | 19893 | 20049 | 20204 | 20359 | 20515 | | 70 |
| | 30 | 20515 | 20670 | 20826 | 20981 | 21136 | 21292 | 21447 | 21602 | 21758 | 21913 | 22068 | | 60 |
| | 40 | 22068 | 22224 | 22379 | 22534 | 22690 | 22845 | 23000 | 23156 | 23311 | 23466 | 23622 | | 50 |
| | 50 | 23622 | 23777 | 23932 | 24087 | 24243 | 24398 | 24553 | 24708 | 24864 | 25019 | 25174 | | 40 |
| | 60 | 25174 | 25329 | 25485 | 25640 | 25795 | 25950 | 26105 | 26261 | 26416 | 26571 | 26726 | | 30 |
| | 70 | 26726 | 26881 | 27036 | 27192 | 27347 | 27502 | 27657 | 27812 | 27967 | 28122 | 28278 | | 20 |
| | 80 | 28278 | 28433 | 28588 | 28743 | 28898 | 29053 | 29208 | 29363 | 29518 | 29673 | 29828 | | 10 |
| | 90 | 8.64 29828 | 29984 | 30139 | 30294 | 30449 | 30604 | 30759 | 30914 | 31069 | 31224 | 31379 | **20** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,20^c$ — log cos $97^g\,25^c$

## log tg $2^g\,75^c$ — log tg $2^g\,80^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **75** | **oo** | 8.63 57228 | 57386 | 57544 | 57702 | 57861 | 58019 | 58177 | 58335 | 58493 | 58651 | 58809 | | 90 |
| | 10 | 58809 | 58967 | 59125 | 59283 | 59441 | 59599 | 59757 | 59915 | 60073 | 60231 | 60389 | | 80 |
| | 20 | 60389 | 60547 | 60705 | 60863 | 61021 | 61179 | 61337 | 61495 | 61653 | 61811 | 61969 | | 70 |
| | 30 | 61969 | 62127 | 62285 | 62443 | 62601 | 62759 | 62917 | 63075 | 63233 | 63391 | 63548 | | 60 |
| | 40 | 63548 | 63706 | 63864 | 64022 | 64180 | 64338 | 64496 | 64654 | 64811 | 64969 | 65127 | | 50 |
| | 50 | 65127 | 65285 | 65443 | 65601 | 65758 | 65916 | 66074 | 66232 | 66390 | 66547 | 66705 | | 40 |
| | 60 | 66705 | 66863 | 67021 | 67178 | 67336 | 67494 | 67652 | 67809 | 67967 | 68125 | 68283 | | 30 |
| | 70 | 68283 | 68440 | 68598 | 68756 | 68914 | 69071 | 69229 | 69387 | 69544 | 69702 | 69860 | | 20 |
| | 80 | 69860 | 70017 | 70175 | 70333 | 70490 | 70648 | 70805 | 70963 | 71121 | 71278 | 71436 | | 10 |
| | 90 | 71436 | 71594 | 71751 | 71909 | 72066 | 72224 | 72381 | 72539 | 72697 | 72854 | 73012 | **24** | **oo** |
| **76** | **oo** | 8.63 73012 | 73169 | 73327 | 73484 | 73642 | 73799 | 73957 | 74114 | 74272 | 74429 | 74587 | | 90 |
| | 10 | 74587 | 74744 | 74902 | 75059 | 75217 | 75374 | 75532 | 75689 | 75847 | 76004 | 76162 | | 80 |
| | 20 | 76162 | 76319 | 76476 | 76634 | 76791 | 76949 | 77106 | 77264 | 77421 | 77578 | 77736 | | 70 |
| | 30 | 77736 | 77893 | 78050 | 78208 | 78365 | 78523 | 78680 | 78837 | 78995 | 79152 | 79309 | | 60 |
| | 40 | 79309 | 79467 | 79624 | 79781 | 79938 | 80096 | 80253 | 80410 | 80568 | 80725 | 80882 | | 50 |
| | 50 | 80882 | 81039 | 81197 | 81354 | 81511 | 81668 | 81826 | 81983 | 82140 | 82297 | 82455 | | 40 |
| | 60 | 82455 | 82612 | 82769 | 82926 | 83083 | 83241 | 83398 | 83555 | 83712 | 83869 | 84026 | | 30 |
| | 70 | 84026 | 84183 | 84341 | 84498 | 84655 | 84812 | 84969 | 85126 | 85283 | 85440 | 85598 | | 20 |
| | 80 | 85598 | 85755 | 85912 | 86069 | 86226 | 86383 | 86540 | 86697 | 86854 | 87011 | 87168 | | 10 |
| | 90 | 87168 | 87325 | 87482 | 87639 | 87796 | 87953 | 88110 | 88267 | 88424 | 88581 | 88738 | **23** | **oo** |
| **77** | **oo** | 8.63 88738 | 88895 | 89052 | 89209 | 89366 | 89523 | 89680 | 89837 | 89994 | 90151 | 90308 | | 90 |
| | 10 | 90308 | 90465 | 90622 | 90779 | 90936 | 91092 | 91249 | 91406 | 91563 | 91720 | 91877 | | 80 |
| | 20 | 91877 | 92034 | 92191 | 92347 | 92504 | 92661 | 92818 | 92975 | 93132 | 93289 | 93445 | | 70 |
| | 30 | 93445 | 93602 | 93759 | 93916 | 94073 | 94229 | 94386 | 94543 | 94700 | 94856 | 95013 | | 60 |
| | 40 | 95013 | 95170 | 95327 | 95483 | 95640 | 95797 | 95954 | 96110 | 96267 | 96424 | 96580 | | 50 |
| | 50 | 96580 | 96737 | 96894 | 97051 | 97207 | 97364 | 97521 | 97677 | 97834 | 97991 | 98147 | | 40 |
| | 60 | 98147 | 98304 | 98460 | 98617 | 98774 | 98930 | 99087 | 99244 | 99400 | 99557 | 99713 | | 30 |
| | 70 | 8.63 99713 | 99870 | *00027 | *00183 | *00340 | *00496 | *00653 | *00809 | *00966 | *01122 | *01279 | | 20 |
| | 80 | 8.64 01279 | 01435 | 01592 | 01749 | 01905 | 02062 | 02218 | 02375 | 02531 | 02688 | 02844 | | 10 |
| | 90 | 02844 | 03000 | 03157 | 03313 | 03470 | 03626 | 03783 | 03939 | 04096 | 04252 | 04408 | **22** | **oo** |
| **78** | **oo** | 8.64 04408 | 04565 | 04721 | 04878 | 05034 | 05191 | 05347 | 05503 | 05660 | 05816 | 05972 | | 90 |
| | 10 | 05972 | 06129 | 06285 | 06441 | 06598 | 06754 | 06910 | 07067 | 07223 | 07379 | 07536 | | 80 |
| | 20 | 07536 | 07692 | 07848 | 08005 | 08161 | 08317 | 08474 | 08630 | 08786 | 08942 | 09099 | | 70 |
| | 30 | 09099 | 09255 | 09411 | 09567 | 09724 | 09880 | 10036 | 10192 | 10348 | 10505 | 10661 | | 60 |
| | 40 | 10661 | 10817 | 10973 | 11129 | 11286 | 11442 | 11598 | 11754 | 11910 | 12066 | 12222 | | 50 |
| | 50 | 12222 | 12379 | 12535 | 12691 | 12847 | 13003 | 13159 | 13315 | 13471 | 13628 | 13784 | | 40 |
| | 60 | 13784 | 13940 | 14096 | 14252 | 14408 | 14564 | 14720 | 14876 | 15032 | 15188 | 15344 | | 30 |
| | 70 | 15344 | 15500 | 15656 | 15812 | 15968 | 16124 | 16280 | 16436 | 16592 | 16748 | 16904 | | 20 |
| | 80 | 16904 | 17060 | 17216 | 17372 | 17528 | 17684 | 17840 | 17996 | 18152 | 18308 | 18464 | | 10 |
| | 90 | 18464 | 18620 | 18775 | 18931 | 19087 | 19243 | 19399 | 19555 | 19711 | 19867 | 20022 | **21** | **oo** |
| **79** | **oo** | 8.64 20022 | 20178 | 20334 | 20490 | 20646 | 20802 | 20958 | 21113 | 21269 | 21425 | 21581 | | 90 |
| | 10 | 21581 | 21737 | 21892 | 22048 | 22204 | 22360 | 22516 | 22671 | 22827 | 22983 | 23139 | | 80 |
| | 20 | 23139 | 23294 | 23450 | 23606 | 23762 | 23917 | 24073 | 24229 | 24384 | 24540 | 24696 | | 70 |
| | 30 | 24696 | 24851 | 25007 | 25163 | 25319 | 25474 | 25630 | 25786 | 25941 | 26097 | 26252 | | 60 |
| | 40 | 26252 | 26408 | 26564 | 26719 | 26875 | 27031 | 27186 | 27342 | 27497 | 27653 | 27809 | | 50 |
| | 50 | 27809 | 27964 | 28120 | 28275 | 28431 | 28586 | 28742 | 28897 | 29053 | 29209 | 29364 | | 40 |
| | 60 | 29364 | 29520 | 29675 | 29831 | 29986 | 30142 | 30297 | 30453 | 30608 | 30764 | 30919 | | 30 |
| | 70 | 30919 | 31075 | 31230 | 31385 | 31541 | 31696 | 31852 | 32007 | 32163 | 32318 | 32474 | | 20 |
| | 80 | 32474 | 32629 | 32784 | 32940 | 33095 | 33251 | 33406 | 33561 | 33717 | 33872 | 34027 | | 10 |
| | 90 | 8.64 34027 | 34183 | 34338 | 34493 | 34649 | 34804 | 34959 | 35115 | 35270 | 35425 | 35581 | **20** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $97^g\,20^c$ — log ctg $97^g\,25^c$

## log sin $2^g\,80^c$ — log sin $2^g\,85^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **80** | **oo** | 8.64 31379 | 31534 | 31689 | 31844 | 31999 | 32154 | 32309 | 32464 | 32619 | 32774 | 32929 | | 90 |
| | 10 | 32929 | 33084 | 33238 | 33393 | 33548 | 33703 | 33858 | 34013 | 34168 | 34323 | 34478 | | 80 |
| | 20 | 34478 | 34633 | 34788 | 34942 | 35097 | 35252 | 35407 | 35562 | 35717 | 35872 | 36026 | | 70 |
| | 30 | 36026 | 36181 | 36336 | 36491 | 36646 | 36801 | 36955 | 37110 | 37265 | 37420 | 37575 | | 60 |
| | 40 | 37575 | 37729 | 37884 | 38039 | 38194 | 38348 | 38503 | 38658 | 38813 | 38967 | 39122 | | 50 |
| | 50 | 39122 | 39277 | 39432 | 39586 | 39741 | 39896 | 40050 | 40205 | 40360 | 40514 | 40669 | | 40 |
| | 60 | 40669 | 40824 | 40978 | 41133 | 41288 | 41442 | 41597 | 41752 | 41906 | 42061 | 42216 | | 30 |
| | 70 | 42216 | 42370 | 42525 | 42679 | 42834 | 42989 | 43143 | 43298 | 43452 | 43607 | 43762 | | 20 |
| | 80 | 43762 | 43916 | 44071 | 44225 | 44380 | 44534 | 44689 | 44843 | 44998 | 45152 | 45307 | | 10 |
| | 90 | 45307 | 45461 | 45616 | 45770 | 45925 | 46079 | 46234 | 46388 | 46543 | 46697 | 46852 | **19** | **oo** |
| **81** | **oo** | 8.64 46852 | 47006 | 47161 | 47315 | 47469 | 47624 | 47778 | 47933 | 48087 | 48242 | 48396 | | 90 |
| | 10 | 48396 | 48550 | 48705 | 48859 | 49013 | 49168 | 49322 | 49477 | 49631 | 49785 | 49940 | | 80 |
| | 20 | 49940 | 50094 | 50248 | 50403 | 50557 | 50711 | 50866 | 51020 | 51174 | 51328 | 51483 | | 70 |
| | 30 | 51483 | 51637 | 51791 | 51946 | 52100 | 52254 | 52408 | 52563 | 52717 | 52871 | 53025 | | 60 |
| | 40 | 53025 | 53180 | 53334 | 53488 | 53642 | 53796 | 53951 | 54105 | 54259 | 54413 | 54567 | | 50 |
| | 50 | 54567 | 54722 | 54876 | 55030 | 55184 | 55338 | 55492 | 55647 | 55801 | 55955 | 56109 | | 40 |
| | 60 | 56109 | 56263 | 56417 | 56571 | 56725 | 56879 | 57034 | 57188 | 57342 | 57496 | 57650 | | 30 |
| | 70 | 57650 | 57804 | 57958 | 58112 | 58266 | 58420 | 58574 | 58728 | 58882 | 59036 | 59190 | | 20 |
| | 80 | 59190 | 59344 | 59498 | 59652 | 59806 | 59960 | 60114 | 60268 | 60422 | 60576 | 60730 | | 10 |
| | 90 | 60730 | 60884 | 61038 | 61192 | 61346 | 61500 | 61654 | 61808 | 61962 | 62116 | 62269 | **18** | **oo** |
| **82** | **oo** | 8.64 62269 | 62423 | 62577 | 62731 | 62885 | 63039 | 63193 | 63347 | 63501 | 63654 | 63808 | | 90 |
| | 10 | 63808 | 63962 | 64116 | 64270 | 64424 | 64577 | 64731 | 64885 | 65039 | 65193 | 65346 | | 80 |
| | 20 | 65346 | 65500 | 65654 | 65808 | 65962 | 66115 | 66269 | 66423 | 66577 | 66730 | 66884 | | 70 |
| | 30 | 66884 | 67038 | 67192 | 67345 | 67499 | 67653 | 67807 | 67960 | 68114 | 68268 | 68421 | | 60 |
| | 40 | 68421 | 68575 | 68729 | 68882 | 69036 | 69190 | 69343 | 69497 | 69651 | 69804 | 69958 | | 50 |
| | 50 | 69958 | 70112 | 70265 | 70419 | 70572 | 70726 | 70880 | 71033 | 71187 | 71340 | 71494 | | 40 |
| | 60 | 71494 | 71648 | 71801 | 71955 | 72108 | 72262 | 72415 | 72569 | 72722 | 72876 | 73029 | | 30 |
| | 70 | 73029 | 73183 | 73336 | 73490 | 73643 | 73797 | 73950 | 74104 | 74257 | 74411 | 74564 | | 20 |
| | 80 | 74564 | 74718 | 74871 | 75025 | 75178 | 75332 | 75485 | 75639 | 75792 | 75945 | 76099 | | 10 |
| | 90 | 76099 | 76252 | 76406 | 76559 | 76712 | 76866 | 77019 | 77173 | 77326 | 77479 | 77633 | **17** | **oo** |
| **83** | **oo** | 8.64 77633 | 77786 | 77939 | 78093 | 78246 | 78399 | 78553 | 78706 | 78859 | 79013 | 79166 | | 90 |
| | 10 | 79166 | 79319 | 79473 | 79626 | 79779 | 79932 | 80086 | 80239 | 80392 | 80546 | 80699 | | 80 |
| | 20 | 80699 | 80852 | 81005 | 81159 | 81312 | 81465 | 81618 | 81771 | 81925 | 82078 | 82231 | | 70 |
| | 30 | 82231 | 82384 | 82537 | 82691 | 82844 | 82997 | 83150 | 83303 | 83456 | 83610 | 83763 | | 60 |
| | 40 | 83763 | 83916 | 84069 | 84222 | 84375 | 84528 | 84681 | 84835 | 84988 | 85141 | 85294 | | 50 |
| | 50 | 85294 | 85447 | 85600 | 85753 | 85906 | 86059 | 86212 | 86365 | 86518 | 86671 | 86825 | | 40 |
| | 60 | 86825 | 86978 | 87131 | 87284 | 87437 | 87590 | 87743 | 87896 | 88049 | 88202 | 88355 | | 30 |
| | 70 | 88355 | 88508 | 88661 | 88814 | 88966 | 89119 | 89272 | 89425 | 89578 | 89731 | 89884 | | 20 |
| | 80 | 89884 | 90037 | 90190 | 90343 | 90496 | 90649 | 90802 | 90954 | 91107 | 91260 | 91413 | | 10 |
| | 90 | 91413 | 91566 | 91719 | 91872 | 92025 | 92177 | 92330 | 92483 | 92636 | 92789 | 92942 | **16** | **oo** |
| **84** | **oo** | 8.64 92942 | 93094 | 93247 | 93400 | 93553 | 93706 | 93858 | 94011 | 94164 | 94317 | 94470 | | 90 |
| | 10 | 94470 | 94622 | 94775 | 94928 | 95081 | 95233 | 95386 | 95539 | 95691 | 95844 | 95997 | | 80 |
| | 20 | 95997 | 96150 | 96302 | 96455 | 96608 | 96760 | 96913 | 97066 | 97218 | 97371 | 97524 | | 70 |
| | 30 | 97524 | 97676 | 97829 | 97982 | 98134 | 98287 | 98440 | 98592 | 98745 | 98897 | 99050 | | 60 |
| | 40 | 8.64 99050 | 99203 | 99355 | 99508 | 99660 | 99813 | 99966 | *00118 | *00271 | *00423 | *00576 | | 50 |
| | 50 | 8.65 00576 | 00728 | 00881 | 01033 | 01186 | 01339 | 01491 | 01644 | 01796 | 01949 | 02101 | | 40 |
| | 60 | 02101 | 02254 | 02406 | 02559 | 02711 | 02863 | 03016 | 03168 | 03321 | 03473 | 03626 | | 30 |
| | 70 | 03626 | 03778 | 03931 | 04083 | 04235 | 04388 | 04540 | 04693 | 04845 | 04998 | 05150 | | 20 |
| | 80 | 05150 | 05302 | 05455 | 05607 | 05759 | 05912 | 06064 | 06217 | 06369 | 06521 | 06674 | | 10 |
| | 90 | 8.65 06674 | 06826 | 06978 | 07131 | 07283 | 07435 | 07587 | 07740 | 07892 | 08044 | 08197 | **15** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,15^c$ — log cos $97^g\,20^c$

## log tg $2^g\,80^c$ — log tg $2^g\,85^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **80** | **oo** | 8.64 35581 | 35736 | 35891 | 36047 | 36202 | 36357 | 36512 | 36668 | 36823 | 36978 | 37134 | 90 |
| | 10 | 37134 | 37289 | 37444 | 37599 | 37754 | 37910 | 38065 | 38220 | 38375 | 38531 | 38686 | 80 |
| | 20 | 38686 | 38841 | 38996 | 39151 | 39306 | 39462 | 39617 | 39772 | 39927 | 40082 | 40237 | 70 |
| | 30 | 40237 | 40393 | 40548 | 40703 | 40858 | 41013 | 41168 | 41323 | 41478 | 41633 | 41789 | 60 |
| | 40 | 41789 | 41944 | 42099 | 42254 | 42409 | 42564 | 42719 | 42874 | 43029 | 43184 | 43339 | 50 |
| | 50 | 43339 | 43494 | 43649 | 43804 | 43959 | 44114 | 44269 | 44424 | 44579 | 44734 | 44889 | 40 |
| | 60 | 44889 | 45044 | 45199 | 45354 | 45509 | 45664 | 45819 | 45974 | 46129 | 46284 | 46439 | 30 |
| | 70 | 46439 | 46594 | 46748 | 46903 | 47058 | 47213 | 47368 | 47523 | 47678 | 47833 | 47988 | 20 |
| | 80 | 47988 | 48142 | 48297 | 48452 | 48607 | 48762 | 48917 | 49071 | 49226 | 49381 | 49536 | 10 |
| | 90 | 49536 | 49691 | 49845 | 50000 | 50155 | 50310 | 50465 | 50619 | 50774 | 50929 | 51084 | **19 oo** |
| **81** | **oo** | 8.64 51084 | 51238 | 51393 | 51548 | 51703 | 51857 | 52012 | 52167 | 52322 | 52476 | 52631 | 90 |
| | 10 | 52631 | 52786 | 52940 | 53095 | 53250 | 53404 | 53559 | 53714 | 53868 | 54023 | 54178 | 80 |
| | 20 | 54178 | 54332 | 54487 | 54642 | 54796 | 54951 | 55105 | 55260 | 55415 | 55569 | 55724 | 70 |
| | 30 | 55724 | 55878 | 56033 | 56188 | 56342 | 56497 | 56651 | 56806 | 56960 | 57115 | 57269 | 60 |
| | 40 | 57269 | 57424 | 57579 | 57733 | 57888 | 58042 | 58197 | 58351 | 58506 | 58660 | 58815 | 50 |
| | 50 | 58815 | 58969 | 59123 | 59278 | 59432 | 59587 | 59741 | 59896 | 60050 | 60205 | 60359 | 40 |
| | 60 | 60359 | 60513 | 60668 | 60822 | 60977 | 61131 | 61286 | 61440 | 61594 | 61749 | 61903 | 30 |
| | 70 | 61903 | 62057 | 62212 | 62366 | 62520 | 62675 | 62829 | 62983 | 63138 | 63292 | 63446 | 20 |
| | 80 | 63446 | 63601 | 63755 | 63909 | 64064 | 64218 | 64372 | 64527 | 64681 | 64835 | 64989 | 10 |
| | 90 | 64989 | 65144 | 65298 | 65452 | 65606 | 65761 | 65915 | 66069 | 66223 | 66377 | 66532 | **18 oo** |
| **82** | **oo** | 8.64 66532 | 66686 | 66840 | 66994 | 67148 | 67303 | 67457 | 67611 | 67765 | 67919 | 68073 | 90 |
| | 10 | 68073 | 68228 | 68382 | 68536 | 68690 | 68844 | 68998 | 69152 | 69307 | 69461 | 69615 | 80 |
| | 20 | 69615 | 69769 | 69923 | 70077 | 70231 | 70385 | 70539 | 70693 | 70847 | 71001 | 71155 | 70 |
| | 30 | 71155 | 71309 | 71464 | 71618 | 71772 | 71926 | 72080 | 72234 | 72388 | 72542 | 72696 | 60 |
| | 40 | 72696 | 72850 | 73004 | 73158 | 73312 | 73465 | 73619 | 73773 | 73927 | 74081 | 74235 | 50 |
| | 50 | 74235 | 74389 | 74543 | 74697 | 74851 | 75005 | 75159 | 75313 | 75467 | 75620 | 75774 | 40 |
| | 60 | 75774 | 75928 | 76082 | 76236 | 76390 | 76544 | 76697 | 76851 | 77005 | 77159 | 77313 | 30 |
| | 70 | 77313 | 77467 | 77620 | 77774 | 77928 | 78082 | 78236 | 78389 | 78543 | 78697 | 78851 | 20 |
| | 80 | 78851 | 79005 | 79158 | 79312 | 79466 | 79620 | 79773 | 79927 | 80081 | 80235 | 80388 | 10 |
| | 90 | 80388 | 80542 | 80696 | 80849 | 81003 | 81157 | 81310 | 81464 | 81618 | 81772 | 81925 | **17 oo** |
| **83** | **oo** | 8.64 81925 | 82079 | 82232 | 82386 | 82540 | 82693 | 82847 | 83001 | 83154 | 83308 | 83462 | 90 |
| | 10 | 83462 | 83615 | 83769 | 83922 | 84076 | 84230 | 84383 | 84537 | 84690 | 84844 | 84997 | 80 |
| | 20 | 84997 | 85151 | 85304 | 85458 | 85612 | 85765 | 85919 | 86072 | 86226 | 86379 | 86533 | 70 |
| | 30 | 86533 | 86686 | 86840 | 86993 | 87147 | 87300 | 87454 | 87607 | 87760 | 87914 | 88067 | 60 |
| | 40 | 88067 | 88221 | 88374 | 88528 | 88681 | 88835 | 88988 | 89141 | 89295 | 89448 | 89602 | 50 |
| | 50 | 89602 | 89755 | 89908 | 90062 | 90215 | 90368 | 90522 | 90675 | 90829 | 90982 | 91135 | 40 |
| | 60 | 91135 | 91289 | 91442 | 91595 | 91749 | 91902 | 92055 | 92208 | 92362 | 92515 | 92668 | 30 |
| | 70 | 92668 | 92822 | 92975 | 93128 | 93281 | 93435 | 93588 | 93741 | 93894 | 94048 | 94201 | 20 |
| | 80 | 94201 | 94354 | 94507 | 94661 | 94814 | 94967 | 95120 | 95273 | 95427 | 95580 | 95733 | 10 |
| | 90 | 95733 | 95886 | 96039 | 96192 | 96346 | 96499 | 96652 | 96805 | 96958 | 97111 | 97264 | **16 oo** |
| **84** | **oo** | 8.64 97264 | 97418 | 97571 | 97724 | 97877 | 98030 | 98183 | 98336 | 98489 | 98642 | 98795 | 90 |
| | 10 | 8.64 98795 | 98949 | 99102 | 99255 | 99408 | 99561 | 99714 | 99867 | *00020 | *00173 | *00326 | 80 |
| | 20 | 8.65 00326 | 00479 | 00632 | 00785 | 00938 | 01091 | 01244 | 01397 | 01550 | 01703 | 01856 | 70 |
| | 30 | 01856 | 02009 | 02162 | 02315 | 02468 | 02621 | 02773 | 02926 | 03079 | 03232 | 03385 | 60 |
| | 40 | 03385 | 03538 | 03691 | 03844 | 03997 | 04150 | 04302 | 04455 | 04608 | 04761 | 04914 | 50 |
| | 50 | 04914 | 05067 | 05220 | 05372 | 05525 | 05678 | 05831 | 05984 | 06137 | 06289 | 06442 | 40 |
| | 60 | 06442 | 06595 | 06748 | 06901 | 07053 | 07206 | 07359 | 07512 | 07664 | 07817 | 07970 | 30 |
| | 70 | 07970 | 08123 | 08275 | 08428 | 08581 | 08734 | 08886 | 09039 | 09192 | 09345 | 09497 | 20 |
| | 80 | 09497 | 09650 | 09803 | 09955 | 10108 | 10261 | 10413 | 10566 | 10719 | 10871 | 11024 | 10 |
| | 90 | 8.65 11024 | 11177 | 11329 | 11482 | 11634 | 11787 | 11940 | 12092 | 12245 | 12397 | 12550 | **15 oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

## log ctg $97^g\,15^c$ — log ctg $97^g\,20^c$

## log sin $2^g\,85^c$ — log sin $2^g\,90^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **85** | **oo** | 8.65 08197 | 08349 | 08501 | 08653 | 08806 | 08958 | 09110 | 09262 | 09415 | 09567 | 09719 | | 90 |
| | 10 | 09719 | 09871 | 10024 | 10176 | 10328 | 10480 | 10632 | 10785 | 10937 | 11089 | 11241 | | 80 |
| | 20 | 11241 | 11393 | 11546 | 11698 | 11850 | 12002 | 12154 | 12306 | 12458 | 12611 | 12763 | | 70 |
| | 30 | 12763 | 12915 | 13067 | 13219 | 13371 | 13523 | 13675 | 13827 | 13979 | 14132 | 14284 | | 60 |
| | 40 | 14284 | 14436 | 14588 | 14740 | 14892 | 15044 | 15196 | 15348 | 15500 | 15652 | 15804 | | 50 |
| | 50 | 15804 | 15956 | 16108 | 16260 | 16412 | 16564 | 16716 | 16868 | 17020 | 17172 | 17324 | | 40 |
| | 60 | 17324 | 17476 | 17628 | 17780 | 17932 | 18084 | 18236 | 18388 | 18539 | 18691 | 18843 | | 30 |
| | 70 | 18843 | 18995 | 19147 | 19299 | 19451 | 19603 | 19755 | 19907 | 20058 | 20210 | 20362 | | 20 |
| | 80 | 20362 | 20514 | 20666 | 20818 | 20969 | 21121 | 21273 | 21425 | 21577 | 21729 | 21880 | | 10 |
| | 90 | 21880 | 22032 | 22184 | 22336 | 22488 | 22639 | 22791 | 22943 | 23095 | 23246 | 23398 | **14** | **oo** |
| **86** | **oo** | 8.65 23398 | 23550 | 23702 | 23853 | 24005 | 24157 | 24309 | 24460 | 24612 | 24764 | 24915 | | 90 |
| | 10 | 24915 | 25067 | 25219 | 25370 | 25522 | 25674 | 25825 | 25977 | 26129 | 26280 | 26432 | | 80 |
| | 20 | 26432 | 26584 | 26735 | 26887 | 27039 | 27190 | 27342 | 27493 | 27645 | 27797 | 27948 | | 70 |
| | 30 | 27948 | 28100 | 28251 | 28403 | 28555 | 28706 | 28858 | 29009 | 29161 | 29312 | 29464 | | 60 |
| | 40 | 29464 | 29615 | 29767 | 29918 | 30070 | 30221 | 30373 | 30524 | 30676 | 30827 | 30979 | | 50 |
| | 50 | 30979 | 31130 | 31282 | 31433 | 31585 | 31736 | 31888 | 32039 | 32191 | 32342 | 32494 | | 40 |
| | 60 | 32494 | 32645 | 32796 | 32948 | 33099 | 33251 | 33402 | 33553 | 33705 | 33856 | 34008 | | 30 |
| | 70 | 34008 | 34159 | 34310 | 34462 | 34613 | 34764 | 34916 | 35067 | 35218 | 35370 | 35521 | | 20 |
| | 80 | 35521 | 35672 | 35824 | 35975 | 36126 | 36278 | 36429 | 36580 | 36732 | 36883 | 37034 | | 10 |
| | 90 | 37034 | 37185 | 37337 | 37488 | 37639 | 37790 | 37942 | 38093 | 38244 | 38395 | 38547 | **13** | **oo** |
| **87** | **oo** | 8.65 38547 | 38698 | 38849 | 39000 | 39151 | 39303 | 39454 | 39605 | 39756 | 39907 | 40058 | | 90 |
| | 10 | 40058 | 40210 | 40361 | 40512 | 40663 | 40814 | 40965 | 41117 | 41268 | 41419 | 41570 | | 80 |
| | 20 | 41570 | 41721 | 41872 | 42023 | 42174 | 42325 | 42476 | 42628 | 42779 | 42930 | 43081 | | 70 |
| | 30 | 43081 | 43232 | 43383 | 43534 | 43685 | 43836 | 43987 | 44138 | 44289 | 44440 | 44591 | | 60 |
| | 40 | 44591 | 44742 | 44893 | 45044 | 45195 | 45346 | 45497 | 45648 | 45799 | 45950 | 46101 | | 50 |
| | 50 | 46101 | 46252 | 46403 | 46554 | 46705 | 46856 | 47007 | 47158 | 47308 | 47459 | 47610 | | 40 |
| | 60 | 47610 | 47761 | 47912 | 48063 | 48214 | 48365 | 48516 | 48666 | 48817 | 48968 | 49119 | | 30 |
| | 70 | 49119 | 49270 | 49421 | 49572 | 49722 | 49873 | 50024 | 50175 | 50326 | 50476 | 50627 | | 20 |
| | 80 | 50627 | 50778 | 50929 | 51080 | 51230 | 51381 | 51532 | 51683 | 51833 | 51984 | 52135 | | 10 |
| | 90 | 52135 | 52286 | 52436 | 52587 | 52738 | 52889 | 53039 | 53190 | 53341 | 53492 | 53642 | **12** | **oo** |
| **88** | **oo** | 8.65 53642 | 53793 | 53944 | 54094 | 54245 | 54396 | 54546 | 54697 | 54848 | 54998 | 55149 | | 90 |
| | 10 | 55149 | 55300 | 55450 | 55601 | 55751 | 55902 | 56053 | 56203 | 56354 | 56504 | 56655 | | 80 |
| | 20 | 56655 | 56806 | 56956 | 57107 | 57257 | 57408 | 57558 | 57709 | 57860 | 58010 | 58161 | | 70 |
| | 30 | 58161 | 58311 | 58462 | 58612 | 58763 | 58913 | 59064 | 59214 | 59365 | 59515 | 59666 | | 60 |
| | 40 | 59666 | 59816 | 59967 | 60117 | 60268 | 60418 | 60569 | 60719 | 60869 | 61020 | 61170 | | 50 |
| | 50 | 61170 | 61321 | 61471 | 61622 | 61772 | 61922 | 62073 | 62223 | 62374 | 62524 | 62674 | | 40 |
| | 60 | 62674 | 62825 | 62975 | 63126 | 63276 | 63426 | 63577 | 63727 | 63877 | 64028 | 64178 | | 30 |
| | 70 | 64178 | 64328 | 64479 | 64629 | 64779 | 64930 | 65080 | 65230 | 65380 | 65531 | 65681 | | 20 |
| | 80 | 65681 | 65831 | 65982 | 66132 | 66282 | 66432 | 66583 | 66733 | 66883 | 67033 | 67183 | | 10 |
| | 90 | 67183 | 67334 | 67484 | 67634 | 67784 | 67935 | 68085 | 68235 | 68385 | 68535 | 68685 | **11** | **oo** |
| **89** | **oo** | 8.65 68685 | 68836 | 68986 | 69136 | 69286 | 69436 | 69586 | 69737 | 69887 | 70037 | 70187 | | 90 |
| | 10 | 70187 | 70337 | 70487 | 70637 | 70787 | 70937 | 71088 | 71238 | 71388 | 71538 | 71688 | | 80 |
| | 20 | 71688 | 71838 | 71988 | 72138 | 72288 | 72438 | 72588 | 72738 | 72888 | 73038 | 73188 | | 70 |
| | 30 | 73188 | 73338 | 73488 | 73638 | 73788 | 73938 | 74088 | 74238 | 74388 | 74538 | 74688 | | 60 |
| | 40 | 74688 | 74838 | 74988 | 75138 | 75288 | 75438 | 75588 | 75738 | 75888 | 76038 | 76188 | | 50 |
| | 50 | 76188 | 76337 | 76487 | 76637 | 76787 | 76937 | 77087 | 77237 | 77387 | 77537 | 77686 | | 40 |
| | 60 | 77686 | 77836 | 77986 | 78136 | 78286 | 78436 | 78585 | 78735 | 78885 | 79035 | 79185 | | 30 |
| | 70 | 79185 | 79335 | 79484 | 79634 | 79784 | 79934 | 80083 | 80233 | 80383 | 80533 | 80683 | | 20 |
| | 80 | 80683 | 80832 | 80982 | 81132 | 81282 | 81431 | 81581 | 81731 | 81880 | 82030 | 82180 | | 10 |
| | 90 | 8.65 82180 | 82330 | 82479 | 82629 | 82779 | 82928 | 83078 | 83228 | 83377 | 83527 | 83677 | **10** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,10^c$ — log cos $97^g\,15^c$

## log tg $2^g\,85^c$ — log tg $2^g\,90^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **85** | **oo** | 8.65 12550 | 12703 | 12855 | 13008 | 13160 | 13313 | 13465 | 13618 | 13771 | 13923 | 14076 | | 90 |
| | 10 | 14076 | 14228 | 14381 | 14533 | 14686 | 14838 | 14991 | 15143 | 15296 | 15448 | 15601 | | 80 |
| | 20 | 15601 | 15753 | 15906 | 16058 | 16211 | 16363 | 16516 | 16668 | 16820 | 16973 | 17125 | | 70 |
| | 30 | 17125 | 17278 | 17430 | 17583 | 17735 | 17887 | 18040 | 18192 | 18345 | 18497 | 18649 | | 60 |
| | 40 | 18649 | 18802 | 18954 | 19106 | 19259 | 19411 | 19563 | 19716 | 19868 | 20020 | 20173 | | 50 |
| | 50 | 20173 | 20325 | 20477 | 20630 | 20782 | 20934 | 21087 | 21239 | 21391 | 21543 | 21696 | | 40 |
| | 60 | 21696 | 21848 | 22000 | 22152 | 22305 | 22457 | 22609 | 22761 | 22914 | 23066 | 23218 | | 30 |
| | 70 | 23218 | 23370 | 23523 | 23675 | 23827 | 23979 | 24131 | 24283 | 24436 | 24588 | 24740 | | 20 |
| | 80 | 24740 | 24892 | 25044 | 25196 | 25349 | 25501 | 25653 | 25805 | 25957 | 26109 | 26261 | | 10 |
| | 90 | 26261 | 26413 | 26566 | 26718 | 26870 | 27022 | 27174 | 27326 | 27478 | 27630 | 27782 | **14** | **oo** |
| **86** | **oo** | 8.65 27782 | 27934 | 28086 | 28238 | 28390 | 28542 | 28694 | 28846 | 28998 | 29150 | 29302 | | 90 |
| | 10 | 29302 | 29454 | 29606 | 29758 | 29910 | 30062 | 30214 | 30366 | 30518 | 30670 | 30822 | | 80 |
| | 20 | 30822 | 30974 | 31126 | 31278 | 31430 | 31582 | 31734 | 31886 | 32038 | 32190 | 32341 | | 70 |
| | 30 | 32341 | 32493 | 32645 | 32797 | 32949 | 33101 | 33253 | 33405 | 33556 | 33708 | 33860 | | 60 |
| | 40 | 33860 | 34012 | 34164 | 34316 | 34467 | 34619 | 34771 | 34923 | 35075 | 35227 | 35378 | | 50 |
| | 50 | 35378 | 35530 | 35682 | 35834 | 35985 | 36137 | 36289 | 36441 | 36592 | 36744 | 36896 | | 40 |
| | 60 | 36896 | 37048 | 37199 | 37351 | 37503 | 37655 | 37806 | 37958 | 38110 | 38261 | 38413 | | 30 |
| | 70 | 38413 | 38565 | 38716 | 38868 | 39020 | 39171 | 39323 | 39475 | 39626 | 39778 | 39930 | | 20 |
| | 80 | 39930 | 40081 | 40233 | 40385 | 40536 | 40688 | 40839 | 40991 | 41143 | 41294 | 41446 | | 10 |
| | 90 | 41446 | 41597 | 41749 | 41900 | 42052 | 42204 | 42355 | 42507 | 42658 | 42810 | 42961 | **13** | **oo** |
| **87** | **oo** | 8.65 42961 | 43113 | 43264 | 43416 | 43567 | 43719 | 43870 | 44022 | 44173 | 44325 | 44476 | | 90 |
| | 10 | 44476 | 44628 | 44779 | 44931 | 45082 | 45234 | 45385 | 45537 | 45688 | 45839 | 45991 | | 80 |
| | 20 | 45991 | 46142 | 46294 | 46445 | 46596 | 46748 | 46899 | 47051 | 47202 | 47353 | 47505 | | 70 |
| | 30 | 47505 | 47656 | 47807 | 47959 | 48110 | 48262 | 48413 | 48564 | 48716 | 48867 | 49018 | | 60 |
| | 40 | 49018 | 49169 | 49321 | 49472 | 49623 | 49775 | 49926 | 50077 | 50229 | 50380 | 50531 | | 50 |
| | 50 | 50531 | 50682 | 50834 | 50985 | 51136 | 51287 | 51439 | 51590 | 51741 | 51892 | 52043 | | 40 |
| | 60 | 52043 | 52195 | 52346 | 52497 | 52648 | 52799 | 52951 | 53102 | 53253 | 53404 | 53555 | | 30 |
| | 70 | 53555 | 53706 | 53858 | 54009 | 54160 | 54311 | 54462 | 54613 | 54764 | 54916 | 55067 | | 20 |
| | 80 | 55067 | 55218 | 55369 | 55520 | 55671 | 55822 | 55973 | 56124 | 56275 | 56426 | 56577 | | 10 |
| | 90 | 56577 | 56729 | 56880 | 57031 | 57182 | 57333 | 57484 | 57635 | 57786 | 57937 | 58088 | **12** | **oo** |
| **88** | **oo** | 8.65 58088 | 58239 | 58390 | 58541 | 58692 | 58843 | 58994 | 59145 | 59296 | 59447 | 59598 | | 90 |
| | 10 | 59598 | 59748 | 59899 | 60050 | 60201 | 60352 | 60503 | 60654 | 60805 | 60956 | 61107 | | 80 |
| | 20 | 61107 | 61258 | 61409 | 61559 | 61710 | 61861 | 62012 | 62163 | 62314 | 62465 | 62615 | | 70 |
| | 30 | 62615 | 62766 | 62917 | 63068 | 63219 | 63370 | 63520 | 63671 | 63822 | 63973 | 64124 | | 60 |
| | 40 | 64124 | 64274 | 64425 | 64576 | 64727 | 64878 | 65028 | 65179 | 65330 | 65481 | 65631 | | 50 |
| | 50 | 65631 | 65782 | 65933 | 66084 | 66234 | 66385 | 66536 | 66686 | 66837 | 66988 | 67139 | | 40 |
| | 60 | 67139 | 67289 | 67440 | 67591 | 67741 | 67892 | 68043 | 68193 | 68344 | 68495 | 68645 | | 30 |
| | 70 | 68645 | 68796 | 68946 | 69097 | 69248 | 69398 | 69549 | 69699 | 69850 | 70001 | 70151 | | 20 |
| | 80 | 70151 | 70302 | 70452 | 70603 | 70754 | 70904 | 71055 | 71205 | 71356 | 71506 | 71657 | | 10 |
| | 90 | 71657 | 71807 | 71958 | 72108 | 72259 | 72409 | 72560 | 72710 | 72861 | 73011 | 73162 | **11** | **oo** |
| **89** | **oo** | 8.65 73162 | 73312 | 73463 | 73613 | 73764 | 73914 | 74065 | 74215 | 74366 | 74516 | 74667 | | 90 |
| | 10 | 74667 | 74817 | 74967 | 75118 | 75268 | 75419 | 75569 | 75719 | 75870 | 76020 | 76171 | | 80 |
| | 20 | 76171 | 76321 | 76471 | 76622 | 76772 | 76922 | 77073 | 77223 | 77373 | 77524 | 77674 | | 70 |
| | 30 | 77674 | 77824 | 77975 | 78125 | 78275 | 78426 | 78576 | 78726 | 78876 | 79027 | 79177 | | 60 |
| | 40 | 79177 | 79327 | 79478 | 79628 | 79778 | 79928 | 80079 | 80229 | 80379 | 80529 | 80680 | | 50 |
| | 50 | 80680 | 80830 | 80980 | 81130 | 81280 | 81431 | 81581 | 81731 | 81881 | 82031 | 82182 | | 40 |
| | 60 | 82182 | 82332 | 82482 | 82632 | 82782 | 82932 | 83082 | 83233 | 83383 | 83533 | 83683 | | 30 |
| | 70 | 83683 | 83833 | 83983 | 84133 | 84283 | 84433 | 84584 | 84734 | 84884 | 85034 | 85184 | | 20 |
| | 80 | 85184 | 85334 | 85484 | 85634 | 85784 | 85934 | 86084 | 86234 | 86384 | 86534 | 86684 | | 10 |
| | 90 | 8.65 86684 | 86834 | 86984 | 87134 | 87284 | 87434 | 87584 | 87734 | 87884 | 88034 | 88184 | **10** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $97^g\,10^c$ — log ctg $97^g\,15^c$

## log sin $2^g\,90^c$ — log sin $2^g\,95^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **90** | **oo** | 8.65 83677 | 83826 | 83976 | 84126 | 84275 | 84425 | 84574 | 84724 | 84874 | 85023 | 85173 | | 90 |
| | 10 | 85173 | 85323 | 85472 | 85622 | 85771 | 85921 | 86070 | 86220 | 86370 | 86519 | 86669 | | 80 |
| | 20 | 86669 | 86818 | 86968 | 87117 | 87267 | 87416 | 87566 | 87715 | 87865 | 88014 | 88164 | | 70 |
| | 30 | 88164 | 88313 | 88463 | 88612 | 88762 | 88911 | 89061 | 89210 | 89360 | 89509 | 89659 | | 60 |
| | 40 | 89659 | 89808 | 89958 | 90107 | 90256 | 90406 | 90555 | 90705 | 90854 | 91003 | 91153 | | 50 |
| | 50 | 91153 | 91302 | 91452 | 91601 | 91750 | 91900 | 92049 | 92198 | 92348 | 92497 | 92647 | | 40 |
| | 60 | 92647 | 92796 | 92945 | 93095 | 93244 | 93393 | 93543 | 93692 | 93841 | 93990 | 94140 | | 30 |
| | 70 | 94140 | 94289 | 94438 | 94588 | 94737 | 94886 | 95035 | 95185 | 95334 | 95483 | 95632 | | 20 |
| | 80 | 95632 | 95782 | 95931 | 96080 | 96229 | 96379 | 96528 | 96677 | 96826 | 96975 | 97125 | | 10 |
| | 90 | 97125 | 97274 | 97423 | 97572 | 97721 | 97870 | 98020 | 98169 | 98318 | 98467 | 98616 | **09** | **oo** |
| **91** | **oo** | 8.65 98616 | 98765 | 98914 | 99064 | 99213 | 99362 | 99511 | 99660 | 99809 | 99958 | *00107 | | 90 |
| | 10 | 8.66 00107 | 00256 | 00405 | 00555 | 00704 | 00853 | 01002 | 01151 | 01300 | 01449 | 01598 | | 80 |
| | 20 | 01598 | 01747 | 01896 | 02045 | 02194 | 02343 | 02492 | 02641 | 02790 | 02939 | 03088 | | 70 |
| | 30 | 03088 | 03237 | 03386 | 03535 | 03684 | 03833 | 03982 | 04131 | 04280 | 04429 | 04578 | | 60 |
| | 40 | 04578 | 04727 | 04875 | 05024 | 05173 | 05322 | 05471 | 05620 | 05769 | 05918 | 06067 | | 50 |
| | 50 | 06067 | 06216 | 06364 | 06513 | 06662 | 06811 | 06960 | 07109 | 07258 | 07406 | 07555 | | 40 |
| | 60 | 07555 | 07704 | 07853 | 08002 | 08151 | 08299 | 08448 | 08597 | 08746 | 08895 | 09043 | | 30 |
| | 70 | 09043 | 09192 | 09341 | 09490 | 09638 | 09787 | 09936 | 10085 | 10233 | 10382 | 10531 | | 20 |
| | 80 | 10531 | 10680 | 10828 | 10977 | 11126 | 11274 | 11423 | 11572 | 11721 | 11869 | 12018 | | 10 |
| | 90 | 12018 | 12167 | 12315 | 12464 | 12613 | 12761 | 12910 | 13058 | 13207 | 13356 | 13504 | **08** | **oo** |
| **92** | **oo** | 8.66 13504 | 13653 | 13802 | 13950 | 14099 | 14247 | 14396 | 14545 | 14693 | 14842 | 14990 | | 90 |
| | 10 | 14990 | 15139 | 15288 | 15436 | 15585 | 15733 | 15882 | 16030 | 16179 | 16327 | 16476 | | 80 |
| | 20 | 16476 | 16624 | 16773 | 16921 | 17070 | 17218 | 17367 | 17515 | 17664 | 17812 | 17961 | | 70 |
| | 30 | 17961 | 18109 | 18258 | 18406 | 18555 | 18703 | 18852 | 19000 | 19149 | 19297 | 19445 | | 60 |
| | 40 | 19445 | 19594 | 19742 | 19891 | 20039 | 20187 | 20336 | 20484 | 20633 | 20781 | 20929 | | 50 |
| | 50 | 20929 | 21078 | 21226 | 21374 | 21523 | 21671 | 21820 | 21968 | 22116 | 22265 | 22413 | | 40 |
| | 60 | 22413 | 22561 | 22709 | 22858 | 23006 | 23154 | 23303 | 23451 | 23599 | 23748 | 23896 | | 30 |
| | 70 | 23896 | 24044 | 24192 | 24341 | 24489 | 24637 | 24785 | 24934 | 25082 | 25230 | 25378 | | 20 |
| | 80 | 25378 | 25526 | 25675 | 25823 | 25971 | 26119 | 26267 | 26416 | 26564 | 26712 | 26860 | | 10 |
| | 90 | 26860 | 27008 | 27157 | 27305 | 27453 | 27601 | 27749 | 27897 | 28045 | 28194 | 28342 | **07** | **oo** |
| **93** | **oo** | 8.66 28342 | 28490 | 28638 | 28786 | 28934 | 29082 | 29230 | 29378 | 29526 | 29674 | 29823 | | 90 |
| | 10 | 29823 | 29971 | 30119 | 30267 | 30415 | 30563 | 30711 | 30859 | 31007 | 31155 | 31303 | | 80 |
| | 20 | 31303 | 31451 | 31599 | 31747 | 31895 | 32043 | 32191 | 32339 | 32487 | 32635 | 32783 | | 70 |
| | 30 | 32783 | 32931 | 33079 | 33227 | 33375 | 33523 | 33671 | 33819 | 33966 | 34114 | 34262 | | 60 |
| | 40 | 34262 | 34410 | 34558 | 34706 | 34854 | 35002 | 35150 | 35298 | 35446 | 35593 | 35741 | | 50 |
| | 50 | 35741 | 35889 | 36037 | 36185 | 36333 | 36481 | 36628 | 36776 | 36924 | 37072 | 37220 | | 40 |
| | 60 | 37220 | 37367 | 37515 | 37663 | 37811 | 37959 | 38106 | 38254 | 38402 | 38550 | 38698 | | 30 |
| | 70 | 38698 | 38845 | 38993 | 39141 | 39289 | 39436 | 39584 | 39732 | 39880 | 40027 | 40175 | | 20 |
| | 80 | 40175 | 40323 | 40470 | 40618 | 40766 | 40913 | 41061 | 41209 | 41357 | 41504 | 41652 | | 10 |
| | 90 | 41652 | 41800 | 41947 | 42095 | 42242 | 42390 | 42538 | 42685 | 42833 | 42981 | 43128 | **06** | **oo** |
| **94** | **oo** | 8.66 43128 | 43276 | 43423 | 43571 | 43719 | 43866 | 44014 | 44161 | 44309 | 44457 | 44604 | | 90 |
| | 10 | 44604 | 44752 | 44899 | 45047 | 45194 | 45342 | 45489 | 45637 | 45784 | 45932 | 46080 | | 80 |
| | 20 | 46080 | 46227 | 46375 | 46522 | 46670 | 46817 | 46965 | 47112 | 47259 | 47407 | 47554 | | 70 |
| | 30 | 47554 | 47702 | 47849 | 47997 | 48144 | 48292 | 48439 | 48587 | 48734 | 48881 | 49029 | | 60 |
| | 40 | 49029 | 49176 | 49324 | 49471 | 49618 | 49766 | 49913 | 50061 | 50208 | 50355 | 50503 | | 50 |
| | 50 | 50503 | 50650 | 50797 | 50945 | 51092 | 51239 | 51387 | 51534 | 51681 | 51829 | 51976 | | 40 |
| | 60 | 51976 | 52123 | 52271 | 52418 | 52565 | 52713 | 52860 | 53007 | 53154 | 53302 | 53449 | | 30 |
| | 70 | 53449 | 53596 | 53743 | 53891 | 54038 | 54185 | 54332 | 54480 | 54627 | 54774 | 54921 | | 20 |
| | 80 | 54921 | 55069 | 55216 | 55363 | 55510 | 55657 | 55805 | 55952 | 56099 | 56246 | 56393 | | 10 |
| | 90 | 8.66 56393 | 56540 | 56688 | 56835 | 56982 | 57129 | 57276 | 57423 | 57570 | 57717 | 57865 | **05** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log cos $97^g\,05^c$ — log cos $97^g\,10^c$

## log tg $2^g\,90^c$ — log tg $2^g\,95^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **90** | **oo** | 8.65 88184 | 88334 | 88484 | 88634 | 88784 | 88934 | 89084 | 89234 | 89384 | 89534 | 89684 | 90 |
| | 10 | 89684 | 89833 | 89983 | 90133 | 90283 | 90433 | 90583 | 90733 | 90883 | 91033 | 91182 | 80 |
| | 20 | 91182 | 91332 | 91482 | 91632 | 91782 | 91932 | 92082 | 92231 | 92381 | 92531 | 92681 | 70 |
| | 30 | 92681 | 92831 | 92980 | 93130 | 93280 | 93430 | 93580 | 93729 | 93879 | 94029 | 94179 | 60 |
| | 40 | 94179 | 94328 | 94478 | 94628 | 94778 | 94927 | 95077 | 95227 | 95377 | 95526 | 95676 | 50 |
| | 50 | 95676 | 95826 | 95975 | 96125 | 96275 | 96424 | 96574 | 96724 | 96873 | 97023 | 97173 | 40 |
| | 60 | 97173 | 97322 | 97472 | 97622 | 97771 | 97921 | 98071 | 98220 | 98370 | 98519 | 98669 | 30 |
| | 70 | 8.65 98669 | 98819 | 98968 | 99118 | 99267 | 99417 | 99567 | 99716 | 99866 | *00015 | *00165 | 20 |
| | 80 | 8.66 00165 | 00314 | 00464 | 00613 | 00763 | 00913 | 01062 | 01212 | 01361 | 01511 | 01660 | 10 |
| | 90 | 01660 | 01810 | 01959 | 02109 | 02258 | 02408 | 02557 | 02707 | 02856 | 03005 | 03155 | **09 oo** |
| **91** | **oo** | 8.66 03155 | 03304 | 03454 | 03603 | 03753 | 03902 | 04051 | 04201 | 04350 | 04500 | 04649 | 90 |
| | 10 | 04649 | 04799 | 04948 | 05097 | 05247 | 05396 | 05545 | 05695 | 05844 | 05994 | 06143 | 80 |
| | 20 | 06143 | 06292 | 06442 | 06591 | 06740 | 06890 | 07039 | 07188 | 07337 | 07487 | 07636 | 70 |
| | 30 | 07636 | 07785 | 07935 | 08084 | 08233 | 08383 | 08532 | 08681 | 08830 | 08980 | 09129 | 60 |
| | 40 | 09129 | 09278 | 09427 | 09577 | 09726 | 09875 | 10024 | 10173 | 10323 | 10472 | 10621 | 50 |
| | 50 | 10621 | 10770 | 10919 | 11069 | 11218 | 11367 | 11516 | 11665 | 11814 | 11964 | 12113 | 40 |
| | 60 | 12113 | 12262 | 12411 | 12560 | 12709 | 12858 | 13007 | 13157 | 13306 | 13455 | 13604 | 30 |
| | 70 | 13604 | 13753 | 13902 | 14051 | 14200 | 14349 | 14498 | 14647 | 14796 | 14945 | 15095 | 20 |
| | 80 | 15095 | 15244 | 15393 | 15542 | 15691 | 15840 | 15989 | 16138 | 16287 | 16436 | 16585 | 10 |
| | 90 | 16585 | 16734 | 16883 | 17032 | 17181 | 17330 | 17479 | 17628 | 17776 | 17925 | 18074 | **08 oo** |
| **92** | **oo** | 8.66 18074 | 18223 | 18372 | 18521 | 18670 | 18819 | 18968 | 19117 | 19266 | 19415 | 19563 | 90 |
| | 10 | 19563 | 19712 | 19861 | 20010 | 20159 | 20308 | 20457 | 20606 | 20754 | 20903 | 21052 | 80 |
| | 20 | 21052 | 21201 | 21350 | 21499 | 21647 | 21796 | 21945 | 22094 | 22243 | 22391 | 22540 | 70 |
| | 30 | 22540 | 22689 | 22838 | 22987 | 23135 | 23284 | 23433 | 23582 | 23730 | 23879 | 24028 | 60 |
| | 40 | 24028 | 24177 | 24325 | 24474 | 24623 | 24771 | 24920 | 25069 | 25218 | 25366 | 25515 | 50 |
| | 50 | 25515 | 25664 | 25812 | 25961 | 26110 | 26258 | 26407 | 26556 | 26704 | 26853 | 27002 | 40 |
| | 60 | 27002 | 27150 | 27299 | 27447 | 27596 | 27745 | 27893 | 28042 | 28191 | 28339 | 28488 | 30 |
| | 70 | 28488 | 28636 | 28785 | 28933 | 29082 | 29231 | 29379 | 29528 | 29676 | 29825 | 29973 | 20 |
| | 80 | 29973 | 30122 | 30270 | 30419 | 30567 | 30716 | 30864 | 31013 | 31161 | 31310 | 31458 | 10 |
| | 90 | 31458 | 31607 | 31755 | 31904 | 32052 | 32201 | 32349 | 32498 | 32646 | 32795 | 32943 | **07 oo** |
| **93** | **oo** | 8.66 32943 | 33091 | 33240 | 33388 | 33537 | 33685 | 33833 | 33982 | 34130 | 34279 | 34427 | 90 |
| | 10 | 34427 | 34575 | 34724 | 34872 | 35021 | 35169 | 35317 | 35466 | 35614 | 35762 | 35911 | 80 |
| | 20 | 35911 | 36059 | 36207 | 36356 | 36504 | 36652 | 36801 | 36949 | 37097 | 37245 | 37394 | 70 |
| | 30 | 37394 | 37542 | 37690 | 37838 | 37987 | 38135 | 38283 | 38432 | 38580 | 38728 | 38876 | 60 |
| | 40 | 38876 | 39024 | 39173 | 39321 | 39469 | 39617 | 39766 | 39914 | 40062 | 40210 | 40358 | 50 |
| | 50 | 40358 | 40506 | 40655 | 40803 | 40951 | 41099 | 41247 | 41395 | 41544 | 41692 | 41840 | 40 |
| | 60 | 41840 | 41988 | 42136 | 42284 | 42432 | 42580 | 42729 | 42877 | 43025 | 43173 | 43321 | 30 |
| | 70 | 43321 | 43469 | 43617 | 43765 | 43913 | 44061 | 44209 | 44357 | 44505 | 44653 | 44801 | 20 |
| | 80 | 44801 | 44949 | 45098 | 45246 | 45394 | 45542 | 45690 | 45838 | 45986 | 46134 | 46281 | 10 |
| | 90 | 46281 | 46429 | 46577 | 46725 | 46873 | 47021 | 47169 | 47317 | 47465 | 47613 | 47761 | **06 oo** |
| **94** | **oo** | 8.66 47761 | 47909 | 48057 | 48205 | 48353 | 48501 | 48649 | 48796 | 48944 | 49092 | 49240 | 90 |
| | 10 | 49240 | 49388 | 49536 | 49684 | 49832 | 49979 | 50127 | 50275 | 50423 | 50571 | 50719 | 80 |
| | 20 | 50719 | 50866 | 51014 | 51162 | 51310 | 51458 | 51606 | 51753 | 51901 | 52049 | 52197 | 70 |
| | 30 | 52197 | 52344 | 52492 | 52640 | 52788 | 52936 | 53083 | 53231 | 53379 | 53526 | 53674 | 60 |
| | 40 | 53674 | 53822 | 53970 | 54117 | 54265 | 54413 | 54560 | 54708 | 54856 | 55004 | 55151 | 50 |
| | 50 | 55151 | 55299 | 55447 | 55594 | 55742 | 55890 | 56037 | 56185 | 56333 | 56480 | 56628 | 40 |
| | 60 | 56628 | 56775 | 56923 | 57071 | 57218 | 57366 | 57513 | 57661 | 57809 | 57956 | 58104 | 30 |
| | 70 | 58104 | 58251 | 58399 | 58547 | 58694 | 58842 | 58989 | 59137 | 59284 | 59432 | 59579 | 20 |
| | 80 | 59579 | 59727 | 59874 | 60022 | 60169 | 60317 | 60464 | 60612 | 60759 | 60907 | 61054 | 10 |
| | 90 | 8.66 61054 | 61202 | 61349 | 61497 | 61644 | 61792 | 61939 | 62087 | 62234 | 62382 | 62529 | **05 oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c cc |

## log ctg $97^g\,05^c$ — log ctg $97^g\,10^c$

## log sin $2^g\,95^c$ — log sin $3^g\,00^c$

| c | cc | $0^{cc}$ | $1^{cc}$ | $2^{cc}$ | $3^{cc}$ | $4^{cc}$ | $5^{cc}$ | $6^{cc}$ | $7^{cc}$ | $8^{cc}$ | $9^{cc}$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **95** | **oo** | 8.66 57865 | 58012 | 58159 | 58306 | 58453 | 58600 | 58747 | 58894 | 59041 | 59188 | 59335 | 90 |
| | 10 | 59335 | 59483 | 59630 | 59777 | 59924 | 60071 | 60218 | 60365 | 60512 | 60659 | 60806 | 80 |
| | 20 | 60806 | 60953 | 61100 | 61247 | 61394 | 61541 | 61688 | 61835 | 61982 | 62129 | 62276 | 70 |
| | 30 | 62276 | 62423 | 62570 | 62717 | 62864 | 63010 | 63157 | 63304 | 63451 | 63598 | 63745 | 60 |
| | 40 | 63745 | 63892 | 64039 | 64186 | 64333 | 64480 | 64627 | 64773 | 64920 | 65067 | 65214 | 50 |
| | 50 | 65214 | 65361 | 65508 | 65655 | 65801 | 65948 | 66095 | 66242 | 66389 | 66536 | 66682 | 40 |
| | 60 | 66682 | 66829 | 66976 | 67123 | 67270 | 67416 | 67563 | 67710 | 67857 | 68004 | 68150 | 30 |
| | 70 | 68150 | 68297 | 68444 | 68591 | 68737 | 68884 | 69031 | 69178 | 69324 | 69471 | 69618 | 20 |
| | 80 | 69618 | 69764 | 69911 | 70058 | 70204 | 70351 | 70498 | 70645 | 70791 | 70938 | 71085 | 10 |
| | 90 | 71085 | 71231 | 71378 | 71525 | 71671 | 71818 | 71964 | 72111 | 72258 | 72404 | 72551 | **04 oo** |
| **96** | **oo** | 8.66 72551 | 72698 | 72844 | 72991 | 73137 | 73284 | 73431 | 73577 | 73724 | 73870 | 74017 | 90 |
| | 10 | 74017 | 74163 | 74310 | 74457 | 74603 | 74750 | 74896 | 75043 | 75189 | 75336 | 75482 | 80 |
| | 20 | 75482 | 75629 | 75775 | 75922 | 76068 | 76215 | 76361 | 76508 | 76654 | 76801 | 76947 | 70 |
| | 30 | 76947 | 77094 | 77240 | 77387 | 77533 | 77679 | 77826 | 77972 | 78119 | 78265 | 78412 | 60 |
| | 40 | 78412 | 78558 | 78704 | 78851 | 78997 | 79144 | 79290 | 79436 | 79583 | 79729 | 79876 | 50 |
| | 50 | 79876 | 80022 | 80168 | 80315 | 80461 | 80607 | 80754 | 80900 | 81046 | 81193 | 81339 | 40 |
| | 60 | 81339 | 81485 | 81632 | 81778 | 81924 | 82071 | 82217 | 82363 | 82509 | 82656 | 82802 | 30 |
| | 70 | 82802 | 82948 | 83094 | 83241 | 83387 | 83533 | 83679 | 83826 | 83972 | 84118 | 84264 | 20 |
| | 80 | 84264 | 84411 | 84557 | 84703 | 84849 | 84995 | 85142 | 85288 | 85434 | 85580 | 85726 | 10 |
| | 90 | 85726 | 85872 | 86019 | 86165 | 86311 | 86457 | 86603 | 86749 | 86896 | 87042 | 87188 | **03 oo** |
| **97** | **oo** | 8.66 87188 | 87334 | 87480 | 87626 | 87772 | 87918 | 88064 | 88210 | 88357 | 88503 | 88649 | 90 |
| | 10 | 88649 | 88795 | 88941 | 89087 | 89233 | 89379 | 89525 | 89671 | 89817 | 89963 | 90109 | 80 |
| | 20 | 90109 | 90255 | 90401 | 90547 | 90693 | 90839 | 90985 | 91131 | 91277 | 91423 | 91569 | 70 |
| | 30 | 91569 | 91715 | 91861 | 92007 | 92153 | 92299 | 92445 | 92591 | 92737 | 92883 | 93029 | 60 |
| | 40 | 93029 | 93175 | 93321 | 93466 | 93612 | 93758 | 93904 | 94050 | 94196 | 94342 | 94488 | 50 |
| | 50 | 94488 | 94634 | 94779 | 94925 | 95071 | 95217 | 95363 | 95509 | 95655 | 95800 | 95946 | 40 |
| | 60 | 95946 | 96092 | 96238 | 96384 | 96529 | 96675 | 96821 | 96967 | 97113 | 97258 | 97404 | 30 |
| | 70 | 97404 | 97550 | 97696 | 97841 | 97987 | 98133 | 98279 | 98425 | 98570 | 98716 | 98862 | 20 |
| | 80 | 8.66 98862 | 99007 | 99153 | 99299 | 99445 | 99590 | 99736 | 99882 | *00027 | *00173 | *00319 | 10 |
| | 90 | 8.67 00319 | 00464 | 00610 | 00756 | 00901 | 01047 | 01193 | 01338 | 01484 | 01630 | 01775 | **02 oo** |
| **98** | **oo** | 8.67 01775 | 01921 | 02067 | 02212 | 02358 | 02503 | 02649 | 02795 | 02940 | 03086 | 03231 | 90 |
| | 10 | 03231 | 03377 | 03522 | 03668 | 03814 | 03959 | 04105 | 04250 | 04396 | 04541 | 04687 | 80 |
| | 20 | 04687 | 04832 | 04978 | 05123 | 05269 | 05415 | 05560 | 05706 | 05851 | 05996 | 06142 | 70 |
| | 30 | 06142 | 06287 | 06433 | 06578 | 06724 | 06869 | 07015 | 07160 | 07306 | 07451 | 07597 | 60 |
| | 40 | 07597 | 07742 | 07887 | 08033 | 08178 | 08324 | 08469 | 08614 | 08760 | 08905 | 09051 | 50 |
| | 50 | 09051 | 09196 | 09341 | 09487 | 09632 | 09778 | 09923 | 10068 | 10214 | 10359 | 10504 | 40 |
| | 60 | 10504 | 10650 | 10795 | 10940 | 11086 | 11231 | 11376 | 11522 | 11667 | 11812 | 11957 | 30 |
| | 70 | 11957 | 12103 | 12248 | 12393 | 12539 | 12684 | 12829 | 12974 | 13120 | 13265 | 13410 | 20 |
| | 80 | 13410 | 13555 | 13701 | 13846 | 13991 | 14136 | 14281 | 14427 | 14572 | 14717 | 14862 | 10 |
| | 90 | 14862 | 15007 | 15153 | 15298 | 15443 | 15588 | 15733 | 15878 | 16024 | 16169 | 16314 | **01 oo** |
| **99** | **oo** | 8.67 16314 | 16459 | 16604 | 16749 | 16894 | 17040 | 17185 | 17330 | 17475 | 17620 | 17765 | 90 |
| | 10 | 17765 | 17910 | 18055 | 18200 | 18345 | 18490 | 18636 | 18781 | 18926 | 19071 | 19216 | 80 |
| | 20 | 19216 | 19361 | 19506 | 19651 | 19796 | 19941 | 20086 | 20231 | 20376 | 20521 | 20666 | 70 |
| | 30 | 20666 | 20811 | 20956 | 21101 | 21246 | 21391 | 21536 | 21681 | 21826 | 21971 | 22116 | 60 |
| | 40 | 22116 | 22261 | 22406 | 22550 | 22695 | 22840 | 22985 | 23130 | 23275 | 23420 | 23565 | 50 |
| | 50 | 23565 | 23710 | 23855 | 24000 | 24144 | 24289 | 24434 | 24579 | 24724 | 24869 | 25014 | 40 |
| | 60 | 25014 | 25159 | 25303 | 25448 | 25593 | 25738 | 25883 | 26027 | 26172 | 26317 | 26462 | 30 |
| | 70 | 26462 | 26607 | 26752 | 26896 | 27041 | 27186 | 27331 | 27475 | 27620 | 27765 | 27910 | 20 |
| | 80 | 27910 | 28054 | 28199 | 28344 | 28489 | 28633 | 28778 | 28923 | 29068 | 29212 | 29357 | 10 |
| | 90 | 8.67 29357 | 29502 | 29646 | 29791 | 29936 | 30080 | 30225 | 30370 | 30515 | 30659 | 30804 | **00 oo** |
| | | | $9^{cc}$ | $8^{cc}$ | $7^{cc}$ | $6^{cc}$ | $5^{cc}$ | $4^{cc}$ | $3^{cc}$ | $2^{cc}$ | $1^{cc}$ | $0^{cc}$ | c cc |

## log cos $97^g\,00^c$ — log cos $97^g\,05^c$

## log tg $2^g\,95^c$ — log tg $3^g\,00^c$

| c | cc | 0cc | 1cc | 2cc | 3cc | 4cc | 5cc | 6cc | 7cc | 8cc | 9cc | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **95** | **oo** | 8.66 62529 | 62676 | 62824 | 62971 | 63119 | 63266 | 63413 | 63561 | 63708 | 63856 | 64003 | | 90 |
| | 10 | 64003 | 64150 | 64298 | 64445 | 64592 | 64740 | 64887 | 65035 | 65182 | 65329 | 65477 | | 80 |
| | 20 | 65477 | 65624 | 65771 | 65919 | 66066 | 66213 | 66360 | 66508 | 66655 | 66802 | 66950 | | 70 |
| | 30 | 66950 | 67097 | 67244 | 67391 | 67539 | 67686 | 67833 | 67980 | 68128 | 68275 | 68422 | | 60 |
| | 40 | 68422 | 68569 | 68717 | 68864 | 69011 | 69158 | 69305 | 69453 | 69600 | 69747 | 69894 | | 50 |
| | 50 | 69894 | 70041 | 70189 | 70336 | 70483 | 70630 | 70777 | 70924 | 71071 | 71219 | 71366 | | 40 |
| | 60 | 71366 | 71513 | 71660 | 71807 | 71954 | 72101 | 72248 | 72396 | 72543 | 72690 | 72837 | | 30 |
| | 70 | 72837 | 72984 | 73131 | 73278 | 73425 | 73572 | 73719 | 73866 | 74013 | 74160 | 74307 | | 20 |
| | 80 | 74307 | 74454 | 74601 | 74748 | 74895 | 75042 | 75189 | 75336 | 75483 | 75630 | 75777 | | 10 |
| | 90 | 75777 | 75924 | 76071 | 76218 | 76365 | 76512 | 76659 | 76806 | 76953 | 77100 | 77247 | **04** | **oo** |
| **96** | **oo** | 8.66 77247 | 77394 | 77541 | 77688 | 77835 | 77982 | 78129 | 78275 | 78422 | 78569 | 78716 | | 90 |
| | 10 | 78716 | 78863 | 79010 | 79157 | 79304 | 79450 | 79597 | 79744 | 79891 | 80038 | 80185 | | 80 |
| | 20 | 80185 | 80332 | 80478 | 80625 | 80772 | 80919 | 81066 | 81212 | 81359 | 81506 | 81653 | | 70 |
| | 30 | 81653 | 81800 | 81946 | 82093 | 82240 | 82387 | 82533 | 82680 | 82827 | 82974 | 83120 | | 60 |
| | 40 | 83120 | 83267 | 83414 | 83561 | 83707 | 83854 | 84001 | 84147 | 84294 | 84441 | 84588 | | 50 |
| | 50 | 84588 | 84734 | 84881 | 85028 | 85174 | 85321 | 85468 | 85614 | 85761 | 85907 | 86054 | | 40 |
| | 60 | 86054 | 86201 | 86347 | 86494 | 86641 | 86787 | 86934 | 87080 | 87227 | 87374 | 87520 | | 30 |
| | 70 | 87520 | 87667 | 87813 | 87960 | 88107 | 88253 | 88400 | 88546 | 88693 | 88839 | 88986 | | 20 |
| | 80 | 88986 | 89132 | 89279 | 89425 | 89572 | 89718 | 89865 | 90011 | 90158 | 90304 | 90451 | | 10 |
| | 90 | 90451 | 90597 | 90744 | 90890 | 91037 | 91183 | 91330 | 91476 | 91623 | 91769 | 91916 | **03** | **oo** |
| **97** | **oo** | 8.66 91916 | 92062 | 92208 | 92355 | 92501 | 92648 | 92794 | 92941 | 93087 | 93233 | 93380 | | 90 |
| | 10 | 93380 | 93526 | 93673 | 93819 | 93965 | 94112 | 94258 | 94404 | 94551 | 94697 | 94843 | | 80 |
| | 20 | 94843 | 94990 | 95136 | 95282 | 95429 | 95575 | 95721 | 95868 | 96014 | 96160 | 96307 | | 70 |
| | 30 | 96307 | 96453 | 96599 | 96745 | 96892 | 97038 | 97184 | 97331 | 97477 | 97623 | 97769 | | 60 |
| | 40 | 97769 | 97916 | 98062 | 98208 | 98354 | 98500 | 98647 | 98793 | 98939 | 99085 | 99231 | | 50 |
| | 50 | 8.66 99231 | 99378 | 99524 | 99670 | 99816 | 99962 | *00109 | *00255 | *00401 | *00547 | *00693 | | 40 |
| | 60 | 8.67 00693 | 00839 | 00985 | 01132 | 01278 | 01424 | 01570 | 01716 | 01862 | 02008 | 02154 | | 30 |
| | 70 | 02154 | 02300 | 02447 | 02593 | 02739 | 02885 | 03031 | 03177 | 03323 | 03469 | 03615 | | 20 |
| | 80 | 03615 | 03761 | 03907 | 04053 | 04199 | 04345 | 04491 | 04637 | 04783 | 04929 | 05075 | | 10 |
| | 90 | 05075 | 05221 | 05367 | 05513 | 05659 | 05805 | 05951 | 06097 | 06243 | 06389 | 06535 | **02** | **oo** |
| **98** | **oo** | 8.67 06535 | 06681 | 06827 | 06973 | 07119 | 07265 | 07411 | 07557 | 07702 | 07848 | 07994 | | 90 |
| | 10 | 07994 | 08140 | 08286 | 08432 | 08578 | 08724 | 08870 | 09015 | 09161 | 09307 | 09453 | | 80 |
| | 20 | 09453 | 09599 | 09745 | 09891 | 10036 | 10182 | 10328 | 10474 | 10620 | 10766 | 10911 | | 70 |
| | 30 | 10911 | 11057 | 11203 | 11349 | 11495 | 11640 | 11786 | 11932 | 12078 | 12223 | 12369 | | 60 |
| | 40 | 12369 | 12515 | 12661 | 12806 | 12952 | 13098 | 13244 | 13389 | 13535 | 13681 | 13826 | | 50 |
| | 50 | 13826 | 13972 | 14118 | 14264 | 14409 | 14555 | 14701 | 14846 | 14992 | 15138 | 15283 | | 40 |
| | 60 | 15283 | 15429 | 15575 | 15720 | 15866 | 16011 | 16157 | 16303 | 16448 | 16594 | 16740 | | 30 |
| | 70 | 16740 | 16885 | 17031 | 17176 | 17322 | 17468 | 17613 | 17759 | 17904 | 18050 | 18195 | | 20 |
| | 80 | 18195 | 18341 | 18487 | 18632 | 18778 | 18923 | 19069 | 19214 | 19360 | 19505 | 19651 | | 10 |
| | 90 | 19651 | 19796 | 19942 | 20087 | 20233 | 20378 | 20524 | 20669 | 20815 | 20960 | 21106 | **01** | **oo** |
| **99** | **oo** | 8.67 21106 | 21251 | 21397 | 21542 | 21687 | 21833 | 21978 | 22124 | 22269 | 22415 | 22560 | | 90 |
| | 10 | 22560 | 22705 | 22851 | 22996 | 23142 | 23287 | 23432 | 23578 | 23723 | 23869 | 24014 | | 80 |
| | 20 | 24014 | 24159 | 24305 | 24450 | 24595 | 24741 | 24886 | 25031 | 25177 | 25322 | 25467 | | 70 |
| | 30 | 25467 | 25613 | 25758 | 25903 | 26049 | 26194 | 26339 | 26484 | 26630 | 26775 | 26920 | | 60 |
| | 40 | 26920 | 27066 | 27211 | 27356 | 27501 | 27647 | 27792 | 27937 | 28082 | 28227 | 28373 | | 50 |
| | 50 | 28373 | 28518 | 28663 | 28808 | 28954 | 29099 | 29244 | 29389 | 29534 | 29680 | 29825 | | 40 |
| | 60 | 29825 | 29970 | 30115 | 30260 | 30405 | 30550 | 30696 | 30841 | 30986 | 31131 | 31276 | | 30 |
| | 70 | 31276 | 31421 | 31566 | 31712 | 31857 | 32002 | 32147 | 32292 | 32437 | 32582 | 32727 | | 20 |
| | 80 | 32727 | 32872 | 33017 | 33162 | 33307 | 33452 | 33598 | 33743 | 33888 | 34033 | 34178 | | 10 |
| | 90 | 8.67 34178 | 34323 | 34468 | 34613 | 34758 | 34903 | 35048 | 35193 | 35338 | 35483 | 35628 | **00** | **oo** |
| | | | 9cc | 8cc | 7cc | 6cc | 5cc | 4cc | 3cc | 2cc | 1cc | 0cc | c | cc |

## log ctg $97^g\,00^c$ — log ctg $97^g\,05^c$

| $0^g$ c cc | | 0 | | 0 | | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **00 oo** | $-\infty$ | 8.19 61199 | $-\infty$ | 8.19 61199 | $+\infty$ | 0.00 00000 | **100 oo** |
| 10 | 5.19 61199 | 199 | 5.19 61199 | 199 | 4.80 38801 | 00000 | 90 |
| 20 | 49 71499 | 199 | 49 71499 | 199 | 50 28501 | 00000 | 80 |
| 30 | 67 32411 | 199 | 67 32411 | 199 | 32 67589 | 00000 | 70 |
| 40 | 79 81799 | 199 | 79 81799 | 199 | 20 18201 | 00000 | 60 |
| 50 | 89 50899 | 199 | 89 50899 | 199 | 10 49101 | 00000 | 50 |
| 60 | 5.97 42711 | 199 | 5.97 42711 | 199 | 4.02 57289 | 00000 | 40 |
| 70 | 6.04 12179 | 199 | 6.04 12179 | 199 | 3.95 87821 | 00000 | 30 |
| 80 | 09 92099 | 199 | 09 92099 | 199 | 90 07901 | 00000 | 20 |
| 90 | 15 03624 | 199 | 15 03624 | 199 | 84 96376 | 00000 | 10 |
| **01 oo** | 6.19 61199 | 8.1961 199 | 6.19 61199 | 8.1961 199 | 3.80 38801 | 0.00 00000 | **99 oo** |
| 10 | 23 75126 | 199 | 23 75126 | 199 | 76 24874 | 00000 | 90 |
| 20 | 27 53011 | 199 | 27 53011 | 199 | 72 46989 | 00000 | 80 |
| 30 | 31 00632 | 199 | 31 00632 | 199 | 68 99368 | 00000 | 70 |
| 40 | 34 22479 | 199 | 34 22479 | 199 | 65 77521 | 00000 | 60 |
| 50 | 37 22111 | 199 | 37 22111 | 199 | 62 77889 | 00000 | 50 |
| 60 | 40 02399 | 199 | 40 02399 | 199 | 59 97601 | 00000 | 40 |
| 70 | 42 65688 | 199 | 42 65688 | 199 | 57 34312 | 00000 | 30 |
| 80 | 45 13924 | 199 | 45 13924 | 199 | 54 86076 | 00000 | 20 |
| 90 | 47 48735 | 199 | 47 48735 | 199 | 52 51265 | 00000 | 10 |
| **02 oo** | 6.49 71499 | 8.1961 199 | 6.49 71499 | 8.1961 199 | 3.50 28501 | 0.00 00000 | **98 oo** |
| 10 | 51 83392 | 199 | 51 83392 | 199 | 48 16608 | 00000 | 90 |
| 20 | 53 85425 | 199 | 53 85426 | 199 | 46 14574 | 00000 | 80 |
| 30 | 55 78477 | 199 | 55 78477 | 199 | 44 21523 | 00000 | 70 |
| 40 | 57 63311 | 199 | 57 63311 | 199 | 42 36689 | 00000 | 60 |
| 50 | 59 40599 | 199 | 59 40599 | 199 | 40 59401 | 00000 | 50 |
| 60 | 61 10932 | 199 | 61 10932 | 199 | 38 89068 | 00000 | 40 |
| 70 | 62 74836 | 199 | 62 74837 | 199 | 37 25163 | 00000 | 30 |
| 80 | 64 32779 | 199 | 64 32779 | 199 | 35 67221 | 00000 | 20 |
| 90 | 65 85179 | 199 | 65 85179 | 199 | 34 14821 | 00000 | 10 |
| **03 oo** | 6.67 32411 | 8.1961 199 | 6.67 32412 | 8.1961 199 | 3.32 67588 | 0.00 00000 | **97 oo** |
| 10 | 68 74816 | 199 | 68 74816 | 199 | 31 25184 | 9.99 99999 | 90 |
| 20 | 70 12698 | 199 | 70 12699 | 199 | 29 87301 | 99999 | 80 |
| 30 | 71 46338 | 199 | 71 46339 | 199 | 28 53661 | 99999 | 70 |
| 40 | 72 75988 | 199 | 72 75988 | 199 | 27 24012 | 99999 | 60 |
| 50 | 74 01879 | 199 | 74 01880 | 199 | 25 98120 | 99999 | 50 |
| 60 | 75 24224 | 199 | 75 24224 | 199 | 24 75776 | 99999 | 40 |
| 70 | 76 43216 | 199 | 76 43216 | 199 | 23 56784 | 99999 | 30 |
| 80 | 77 59034 | 199 | 77 59035 | 199 | 22 40965 | 99999 | 20 |
| 90 | 78 71845 | 198 | 78 71845 | 199 | 21 28155 | 99999 | 10 |
| **04 oo** | 6.79 81798 | 8.1961 198 | 6.79 81799 | 8.1961 199 | 3.20 18201 | 9.99 99999 | **96 oo** |
| 10 | 80 89037 | 198 | 80 89038 | 199 | 19 10962 | 99999 | 90 |
| 20 | 81 93691 | 198 | 81 93692 | 199 | 18 06308 | 99999 | 80 |
| 30 | 82 95883 | 198 | 82 95884 | 199 | 17 04116 | 99999 | 70 |
| 40 | 83 95725 | 198 | 83 95726 | 199 | 16 04274 | 99999 | 60 |
| 50 | 84 93324 | 198 | 84 93325 | 199 | 15 06675 | 99999 | 50 |
| 60 | 85 88777 | 198 | 85 88778 | 200 | 14 11222 | 99999 | 40 |
| 70 | 86 82177 | 198 | 86 82178 | 200 | 13 17822 | 99999 | 30 |
| 80 | 87 73611 | 198 | 87 73612 | 200 | 12 26388 | 99999 | 20 |
| 90 | 88 63159 | 198 | 88 63160 | 200 | 11 36840 | 99999 | 10 |
| **05 oo** | 6.89 50898 | 8.1961 198 | 6.89 50900 | 8.1961 200 | 3.10 49100 | 9.99 99999 | **95 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $99^g$ |
| | | 1 | | 1 | | 1 | |

| $0^g$ c cc | 86002 | 0 | 86001 | 0 | 86001 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **05 oo** | 6.89 50898 | 8.1961 198 | 6.89 50900 | 8.1961 200 | 3.10 49100 | 9.99 99999 | **95 oo** |
| 10 | 90 36900 | 198 | 90 36901 | 200 | 09 63099 | 99999 | 90 |
| 20 | 91 21232 | 198 | 91 21233 | 200 | 08 78767 | 99999 | 80 |
| 30 | 92 03957 | 198 | 92 03958 | 200 | 07 96042 | 99998 | 70 |
| 40 | 92 85136 | 198 | 92 85137 | 200 | 07 14863 | 99998 | 60 |
| 50 | 93 64825 | 198 | 93 64827 | 200 | 06 35173 | 99998 | 50 |
| 60 | 94 43078 | 198 | 94 43080 | 200 | 05 56920 | 99998 | 40 |
| 70 | 95 19947 | 198 | 95 19948 | 200 | 04 80052 | 99998 | 30 |
| 80 | 95 95478 | 198 | 95 95480 | 200 | 04 04520 | 99998 | 20 |
| 90 | 96 69718 | 198 | 96 69720 | 200 | 03 30280 | 99998 | 10 |
| **06 oo** | 6.97 42711 | 8.1961 198 | 6.97 42713 | 8.1961 200 | 3.02 57287 | 9.99 99998 | **94 oo** |
| 10 | 98 14496 | 198 | 98 14498 | 200 | 01 85502 | 99998 | 90 |
| 20 | 98 85115 | 198 | 98 85117 | 200 | 01 14883 | 99998 | 80 |
| 30 | 6.99 54604 | 198 | 6.99 54606 | 200 | 3.00 45394 | 99998 | 70 |
| 40 | 7.00 22998 | 198 | 7.00 23000 | 200 | 2.99 77000 | 99998 | 60 |
| 50 | 00 90332 | 198 | 00 90334 | 200 | 99 09666 | 99998 | 50 |
| 60 | 01 56637 | 198 | 01 56640 | 200 | 98 43360 | 99998 | 40 |
| 70 | 02 21946 | 198 | 02 21948 | 200 | 97 78052 | 99998 | 30 |
| 80 | 02 86287 | 198 | 02 86290 | 200 | 97 13710 | 99998 | 20 |
| 90 | 03 49689 | 198 | 03 49691 | 200 | 96 50309 | 99997 | 10 |
| **07 oo** | 7.04 12178 | 8.1961 198 | 7.04 12181 | 8.1961 201 | 2.95 87819 | 9.99 99997 | **93 oo** |
| 10 | 04 73781 | 198 | 04 73784 | 201 | 95 26216 | 99997 | 90 |
| 20 | 05 34523 | 198 | 05 34526 | 201 | 94 65474 | 99997 | 80 |
| 30 | 05 94426 | 198 | 05 94429 | 201 | 94 05571 | 99997 | 70 |
| 40 | 06 53515 | 198 | 06 53518 | 201 | 93 46482 | 99997 | 60 |
| 50 | 07 11810 | 198 | 07 11813 | 201 | 92 88187 | 99997 | 50 |
| 60 | 07 69334 | 198 | 07 69337 | 201 | 92 30663 | 99997 | 40 |
| 70 | 08 26105 | 198 | 08 26108 | 201 | 91 73892 | 99997 | 30 |
| 80 | 08 82144 | 198 | 08 82147 | 201 | 91 17853 | 99997 | 20 |
| 90 | 09 37469 | 198 | 09 37472 | 201 | 90 62528 | 99997 | 10 |
| **08 oo** | 7.09 92097 | 8.1961 198 | 7.09 92101 | 8.1961 201 | 2.90 07899 | 9.99 99997 | **92 oo** |
| 10 | 10 46048 | 198 | 10 46051 | 201 | 89 53949 | 99996 | 90 |
| 20 | 10 99336 | 198 | 10 99340 | 201 | 89 00660 | 99996 | 80 |
| 30 | 11 51978 | 198 | 11 51982 | 201 | 88 48018 | 99996 | 70 |
| 40 | 12 03990 | 198 | 12 03994 | 201 | 87 96006 | 99996 | 60 |
| 50 | 12 55387 | 197 | 12 55391 | 201 | 87 44609 | 99996 | 50 |
| 60 | 13 06182 | 197 | 13 06186 | 201 | 86 93814 | 99996 | 40 |
| 70 | 13 56390 | 197 | 13 56394 | 201 | 86 43606 | 99996 | 30 |
| 80 | 14 06024 | 197 | 14 06028 | 202 | 85 93972 | 99996 | 20 |
| 90 | 14 55097 | 197 | 14 55102 | 202 | 85 44898 | 99996 | 10 |
| **09 oo** | 7.15 03622 | 8.1961 197 | 7.15 03627 | 8.1961 202 | 2.84 96373 | 9.99 99996 | **91 oo** |
| 10 | 15 51611 | 197 | 15 51616 | 202 | 84 48384 | 99996 | 90 |
| 20 | 15 99076 | 197 | 15 99080 | 202 | 84 00920 | 99995 | 80 |
| 30 | 16 46027 | 197 | 16 46031 | 202 | 83 53969 | 99995 | 70 |
| 40 | 16 92476 | 197 | 16 92480 | 202 | 83 07520 | 99995 | 60 |
| 50 | 17 38433 | 197 | 17 38438 | 202 | 82 61562 | 99995 | 50 |
| 60 | 17 83909 | 197 | 17 83914 | 202 | 82 16086 | 99995 | 40 |
| 70 | 18 28914 | 197 | 18 28919 | 202 | 81 71081 | 99995 | 30 |
| 80 | 18 73458 | 197 | 18 73463 | 202 | 81 26537 | 99995 | 20 |
| 90 | 19 17549 | 197 | 19 17554 | 202 | 80 82446 | 99995 | 10 |
| **10 oo** | 7.19 61197 | 8.1961 197 | 7.19 61202 | 8.1961 202 | 2.80 38798 | 9.99 99995 | **90 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 43648 | 1 | 43648 | 1 | 43648 | 1 | $99^g$ |

| $0^g$ c cc | 43214 log sin | 0 S | 43214 log tg | 0 T | 43214 log ctg | 0 log cos | |
|---|---|---|---|---|---|---|---|
| **10 oo** | 7.19 61197 | 8.1961 197 | 7.19 61202 | 8.1961 202 | 2.80 38798 | 9.99 99995 | **90 oo** |
| 10 | 20 04411 | 197 | 20 04416 | 202 | 79 95584 | 99995 | 90 |
| 20 | 20 47199 | 197 | 20 47204 | 202 | 79 52796 | 99994 | 80 |
| 30 | 20 89569 | 197 | 20 89575 | 203 | 79 10425 | 99994 | 70 |
| 40 | 21 31530 | 197 | 21 31536 | 203 | 78 68464 | 99994 | 60 |
| 50 | 21 73090 | 197 | 21 73096 | 203 | 78 26904 | 99994 | 50 |
| 60 | 22 14255 | 197 | 22 14261 | 203 | 77 85739 | 99994 | 40 |
| 70 | 22 55035 | 197 | 22 55041 | 203 | 77 44959 | 99994 | 30 |
| 80 | 22 95434 | 197 | 22 95440 | 203 | 77 04560 | 99994 | 20 |
| 90 | 23 35462 | 197 | 23 35468 | 203 | 76 64532 | 99994 | 10 |
| **11 oo** | 7.23 75123 | 8.1961 197 | 7.23 75130 | 8.1961 203 | 2.76 24870 | 9.99 99994 | **89 oo** |
| 10 | 24 14426 | 197 | 24 14433 | 203 | 75 85567 | 99993 | 90 |
| 20 | 24 53377 | 197 | 24 53383 | 203 | 75 46617 | 99993 | 80 |
| 30 | 24 91981 | 196 | 24 91988 | 203 | 75 08012 | 99993 | 70 |
| 40 | 25 30245 | 196 | 25 30252 | 203 | 74 69748 | 99993 | 60 |
| 50 | 25 68175 | 196 | 25 68182 | 203 | 74 31818 | 99993 | 50 |
| 60 | 26 05776 | 196 | 26 05783 | 204 | 73 94217 | 99993 | 40 |
| 70 | 26 43055 | 196 | 26 43062 | 204 | 73 56938 | 99993 | 30 |
| 80 | 26 80016 | 196 | 26 80024 | 204 | 73 19976 | 99993 | 20 |
| 90 | 27 16666 | 196 | 27 16673 | 204 | 72 83327 | 99992 | 10 |
| **12 oo** | 7.27 53009 | 8.1961 196 | 7.27 53016 | 8.1961 204 | 2.72 46984 | 9.99 99992 | **88 oo** |
| 10 | 27 89050 | 196 | 27 89058 | 204 | 72 10942 | 99992 | 90 |
| 20 | 28 24794 | 196 | 28 24802 | 204 | 71 75198 | 99992 | 80 |
| 30 | 28 60247 | 196 | 28 60255 | 204 | 71 39745 | 99992 | 70 |
| 40 | 28 95413 | 196 | 28 95421 | 204 | 71 04579 | 99992 | 60 |
| 50 | 29 30296 | 196 | 29 30304 | 204 | 70 69696 | 99992 | 50 |
| 60 | 29 64901 | 196 | 29 64910 | 204 | 70 35090 | 99991 | 40 |
| 70 | 29 99233 | 196 | 29 99242 | 205 | 70 00758 | 99991 | 30 |
| 80 | 30 33296 | 196 | 30 33304 | 205 | 69 66696 | 99991 | 20 |
| 90 | 30 67093 | 196 | 30 67102 | 205 | 69 32898 | 99991 | 10 |
| **13 oo** | 7.31 00629 | 8.1961 196 | 7.31 00638 | 8.1961 205 | 2.68 99362 | 9.99 99991 | **87 oo** |
| 10 | 31 33909 | 196 | 31 33918 | 205 | 68 66082 | 99991 | 90 |
| 20 | 31 66935 | 196 | 31 66944 | 205 | 68 33056 | 99991 | 80 |
| 30 | 31 99712 | 196 | 31 99721 | 205 | 68 00279 | 99991 | 70 |
| 40 | 32 32244 | 196 | 32 32253 | 205 | 67 67747 | 99990 | 60 |
| 50 | 32 64533 | 196 | 32 64543 | 205 | 67 35457 | 99990 | 50 |
| 60 | 32 96585 | 195 | 32 96594 | 205 | 67 03406 | 99990 | 40 |
| 70 | 33 28401 | 195 | 33 28411 | 205 | 66 71589 | 99990 | 30 |
| 80 | 33 59986 | 195 | 33 59996 | 206 | 66 40004 | 99990 | 20 |
| 90 | 33 91343 | 195 | 33 91354 | 206 | 66 08646 | 99990 | 10 |
| **14 oo** | 7.34 22476 | 8.1961 195 | 7.34 22486 | 8.1961 206 | 2.65 77514 | 9.99 99989 | **86 oo** |
| 10 | 34 53386 | 195 | 34 53397 | 206 | 65 46603 | 99989 | 90 |
| 20 | 34 84079 | 195 | 34 84089 | 206 | 65 15911 | 99989 | 80 |
| 30 | 35 14555 | 195 | 35 14566 | 206 | 64 85434 | 99989 | 70 |
| 40 | 35 44820 | 195 | 35 44831 | 206 | 64 55169 | 99989 | 60 |
| 50 | 35 74875 | 195 | 35 74886 | 206 | 64 25114 | 99989 | 50 |
| 60 | 36 04724 | 195 | 36 04735 | 206 | 63 95265 | 99989 | 40 |
| 70 | 36 34368 | 195 | 36 34380 | 206 | 63 65620 | 99988 | 30 |
| 80 | 36 63812 | 195 | 36 63824 | 207 | 63 36176 | 99988 | 20 |
| 90 | 36 93057 | 195 | 36 93069 | 207 | 63 06931 | 99988 | 10 |
| **15 oo** | 7.37 22107 | 8.1961 195 | 7.37 22119 | 8.1961 207 | 2.62 77881 | 9.99 99988 | **85 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 29050 | 1 | 29050 | 1 | 29050 | 1 | $99^g$ |

| $0^g$ c cc | 28857 | 0 | 28857 | 0 | 28857 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **15 oo** | 7.37 22107 | 8.1961 195 | 7.37 22119 | 8.1961 207 | 2.62 77881 | 9.99 99988 | **85 oo** |
| 10 | 37 50964 | 195 | 37 50976 | 207 | 62 49024 | 99988 | 90 |
| 20 | 37 79631 | 195 | 37 79643 | 207 | 62 20357 | 99988 | 80 |
| 30 | 38 08109 | 195 | 38 08121 | 207 | 61 91879 | 99987 | 70 |
| 40 | 38 36402 | 195 | 38 36414 | 207 | 61 63586 | 99987 | 60 |
| 50 | 38 64511 | 194 | 38 64524 | 207 | 61 35476 | 99987 | 50 |
| 60 | 38 92440 | 194 | 38 92453 | 207 | 61 07547 | 99987 | 40 |
| 70 | 39 20191 | 194 | 39 20204 | 208 | 60 79796 | 99987 | 30 |
| 80 | 39 47765 | 194 | 39 47779 | 208 | 60 52221 | 99987 | 20 |
| 90 | 39 75165 | 194 | 39 75179 | 208 | 60 24821 | 99986 | 10 |
| **16 oo** | 7.40 02394 | 8.1961 194 | 7.40 02408 | 8.1961 208 | 2.59 97592 | 9.99 99986 | **84 oo** |
| 10 | 40 29453 | 194 | 40 29467 | 208 | 59 70533 | 99986 | 90 |
| 20 | 40 56344 | 194 | 40 56358 | 208 | 59 43642 | 99986 | 80 |
| 30 | 40 83070 | 194 | 40 83084 | 208 | 59 16916 | 99986 | 70 |
| 40 | 41 09632 | 194 | 41 09647 | 208 | 58 90353 | 99986 | 60 |
| 50 | 41 36033 | 194 | 41 36048 | 208 | 58 63952 | 99985 | 50 |
| 60 | 41 62275 | 194 | 41 62289 | 209 | 58 37711 | 99985 | 40 |
| 70 | 41 88359 | 194 | 41 88373 | 209 | 58 11627 | 99985 | 30 |
| 80 | 42 14287 | 194 | 42 14302 | 209 | 57 85698 | 99985 | 20 |
| 90 | 42 40061 | 194 | 42 40076 | 209 | 57 59924 | 99985 | 10 |
| **17 oo** | 7.42 65683 | 8.1961 194 | 7.42 65698 | 8.1961 209 | 2.57 34302 | 9.99 99985 | **83 oo** |
| 10 | 42 91155 | 194 | 42 91170 | 209 | 57 08830 | 99984 | 90 |
| 20 | 43 16478 | 193 | 43 16494 | 209 | 56 83506 | 99984 | 80 |
| 30 | 43 41654 | 193 | 43 41670 | 209 | 56 58330 | 99984 | 70 |
| 40 | 43 66686 | 193 | 43 66702 | 210 | 56 33298 | 99984 | 60 |
| 50 | 43 91574 | 193 | 43 91590 | 210 | 56 08410 | 99984 | 50 |
| 60 | 44 16320 | 193 | 44 16337 | 210 | 55 83663 | 99983 | 40 |
| 70 | 44 40926 | 193 | 44 40943 | 210 | 55 59057 | 99983 | 30 |
| 80 | 44 65393 | 193 | 44 65410 | 210 | 55 34590 | 99983 | 20 |
| 90 | 44 89723 | 193 | 44 89741 | 210 | 55 10259 | 99983 | 10 |
| **18 oo** | 7.45 13918 | 8.1961 193 | 7.45 13935 | 8.1961 210 | 2.54 86065 | 9.99 99983 | **82 oo** |
| 10 | 45 37979 | 193 | 45 37996 | 210 | 54 62004 | 99982 | 90 |
| 20 | 45 61907 | 193 | 45 61924 | 211 | 54 38076 | 99982 | 80 |
| 30 | 45 85704 | 193 | 45 85722 | 211 | 54 14278 | 99982 | 70 |
| 40 | 46 09371 | 193 | 46 09389 | 211 | 53 90611 | 99982 | 60 |
| 50 | 46 32910 | 193 | 46 32928 | 211 | 53 67072 | 99982 | 50 |
| 60 | 46 56322 | 193 | 46 56341 | 211 | 53 43659 | 99981 | 40 |
| 70 | 46 79609 | 193 | 46 79627 | 211 | 53 20373 | 99981 | 30 |
| 80 | 47 02771 | 192 | 47 02790 | 211 | 52 97210 | 99981 | 20 |
| 90 | 47 25810 | 192 | 47 25830 | 212 | 52 74170 | 99981 | 10 |
| **19 oo** | 7.47 48728 | 8.1961 192 | 7.47 48748 | 8.1961 212 | 2.52 51252 | 9.99 99981 | **81 oo** |
| 10 | 47 71526 | 192 | 47 71545 | 212 | 52 28455 | 99980 | 90 |
| 20 | 47 94204 | 192 | 47 94224 | 212 | 52 05776 | 99980 | 80 |
| 30 | 48 16765 | 192 | 48 16785 | 212 | 51 83215 | 99980 | 70 |
| 40 | 48 39209 | 192 | 48 39230 | 212 | 51 60770 | 99980 | 60 |
| 50 | 48 61538 | 192 | 48 61558 | 212 | 51 38442 | 99980 | 50 |
| 60 | 48 83753 | 192 | 48 83773 | 212 | 51 16227 | 99979 | 40 |
| 70 | 49 05854 | 192 | 49 05875 | 213 | 50 94125 | 99979 | 30 |
| 80 | 49 27844 | 192 | 49 27865 | 213 | 50 72135 | 99979 | 20 |
| 90 | 49 49722 | 192 | 49 49744 | 213 | 50 50256 | 99979 | 10 |
| **20 oo** | 7.49 71492 | 8.1961 192 | 7.49 71513 | 8.1961 213 | 2.50 28487 | 9.99 99979 | **80 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 21770 | 1 | 21769 | 1 | 21769 | 1 | $99^g$ |

| $0^g$ c cc | 21660 | 0 | 21661 | 0 | 21661 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **20 oo** | 7.49 71492 | 8.1961 192 | 7.49 71513 | 8.1961 213 | 2.50 28487 | 9.99 99979 | **80 oo** |
| 10 | 49 93152 | 192 | 49 93174 | 213 | 50 06826 | 99978 | 90 |
| 20 | 50 14705 | 191 | 50 14727 | 213 | 49 85273 | 99978 | 80 |
| 30 | 50 36152 | 191 | 50 36174 | 213 | 49 63826 | 99978 | 70 |
| 40 | 50 57493 | 191 | 50 57515 | 214 | 49 42485 | 99978 | 60 |
| 50 | 50 78730 | 191 | 50 78752 | 214 | 49 21248 | 99977 | 50 |
| 60 | 50 99863 | 191 | 50 99886 | 214 | 49 00114 | 99977 | 40 |
| 70 | 51 20895 | 191 | 51 20918 | 214 | 48 79082 | 99977 | 30 |
| 80 | 51 41824 | 191 | 51 41848 | 214 | 48 58152 | 99977 | 20 |
| 90 | 51 62654 | 191 | 51 62677 | 214 | 48 37323 | 99977 | 10 |
| **21 oo** | 7.51 83384 | 8.1961 191 | 7.51 83407 | 8.1961 215 | 2.48 16593 | 9.99 99976 | **79 oo** |
| 10 | 52 04015 | 191 | 52 04039 | 215 | 47 95961 | 99976 | 90 |
| 20 | 52 24549 | 191 | 52 24573 | 215 | 47 75427 | 99976 | 80 |
| 30 | 52 44987 | 191 | 52 45011 | 215 | 47 54989 | 99976 | 70 |
| 40 | 52 65328 | 191 | 52 65353 | 215 | 47 34647 | 99975 | 60 |
| 50 | 52 85575 | 191 | 52 85600 | 215 | 47 14400 | 99975 | 50 |
| 60 | 53 05728 | 190 | 53 05753 | 215 | 46 94247 | 99975 | 40 |
| 70 | 53 25788 | 190 | 53 25813 | 216 | 46 74187 | 99975 | 30 |
| 80 | 53 45755 | 190 | 53 45781 | 216 | 46 54219 | 99975 | 20 |
| 90 | 53 65631 | 190 | 53 65657 | 216 | 46 34343 | 99974 | 10 |
| **22 oo** | 7.53 85417 | 8.1961 190 | 7.53 85443 | 8.1961 216 | 2.46 14557 | 9.99 99974 | **78 oo** |
| 10 | 54 05113 | 190 | 54 05139 | 216 | 45 94861 | 99974 | 90 |
| 20 | 54 24720 | 190 | 54 24746 | 216 | 45 75254 | 99974 | 80 |
| 30 | 54 44239 | 190 | 54 44265 | 217 | 45 55735 | 99973 | 70 |
| 40 | 54 63670 | 190 | 54 63697 | 217 | 45 36303 | 99973 | 60 |
| 50 | 54 83015 | 190 | 54 83042 | 217 | 45 16958 | 99973 | 50 |
| 60 | 55 02274 | 190 | 55 02301 | 217 | 44 97699 | 99973 | 40 |
| 70 | 55 21448 | 190 | 55 21476 | 217 | 44 78524 | 99972 | 30 |
| 80 | 55 40538 | 189 | 55 40566 | 217 | 44 59434 | 99972 | 20 |
| 90 | 55 59544 | 189 | 55 59572 | 218 | 44 40428 | 99972 | 10 |
| **23 oo** | 7.55 78468 | 8.1961 189 | 7.55 78496 | 8.1961 218 | 2.44 21504 | 9.99 99972 | **77 oo** |
| 10 | 55 97309 | 189 | 55 97338 | 218 | 44 02662 | 99971 | 90 |
| 20 | 56 16069 | 189 | 56 16098 | 218 | 43 83902 | 99971 | 80 |
| 30 | 56 34748 | 189 | 56 34777 | 218 | 43 65223 | 99971 | 70 |
| 40 | 56 53348 | 189 | 56 53377 | 218 | 43 46623 | 99971 | 60 |
| 50 | 56 71868 | 189 | 56 71897 | 218 | 43 28103 | 99970 | 50 |
| 60 | 56 90309 | 189 | 56 90339 | 219 | 43 09661 | 99970 | 40 |
| 70 | 57 08672 | 189 | 57 08702 | 219 | 42 91298 | 99970 | 30 |
| 80 | 57 26958 | 189 | 57 26989 | 219 | 42 73011 | 99970 | 20 |
| 90 | 57 45168 | 189 | 57 45198 | 219 | 42 54802 | 99969 | 10 |
| **24 oo** | 7.57 63301 | 8.1961 188 | 7.57 63332 | 8.1961 219 | 2.42 36668 | 9.99 99969 | **76 oo** |
| 10 | 57 81359 | 188 | 57 81390 | 220 | 42 18610 | 99969 | 90 |
| 20 | 57 99342 | 188 | 57 99373 | 220 | 42 00627 | 99969 | 80 |
| 30 | 58 17251 | 188 | 58 17283 | 220 | 41 82717 | 99968 | 70 |
| 40 | 58 35086 | 188 | 58 35118 | 220 | 41 64882 | 99968 | 60 |
| 50 | 58 52849 | 188 | 58 52881 | 220 | 41 47119 | 99968 | 50 |
| 60 | 58 70539 | 188 | 58 70571 | 220 | 41 29429 | 99968 | 40 |
| 70 | 58 88157 | 188 | 58 88190 | 221 | 41 11810 | 99967 | 30 |
| 80 | 59 05705 | 188 | 59 05738 | 221 | 40 94262 | 99967 | 20 |
| 90 | 59 23181 | 188 | 59 23214 | 221 | 40 76786 | 99967 | 10 |
| **25 oo** | 7.59 40588 | 8.1961 188 | 7.59 40621 | 8.1961 221 | 2.40 59379 | 9.99 99967 | **75 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 17407 | 1 | 17407 | 1 | 17407 | 1 | $99^g$ |

| $0^g$ c cc | 17337 | 0 | 17337 | 0 | 17337 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **25 oo** | 7.59 40588 | 8.1961 188 | 7.59 40621 | 8.1961 221 | 2.40 59379 | 9.99 99967 | **75 oo** |
| 10 | 59 57925 | 188 | 59 57958 | 221 | 40 42042 | 99966 | 90 |
| 20 | 59 75193 | 187 | 59 75227 | 221 | 40 24773 | 99966 | 80 |
| 30 | 59 92393 | 187 | 59 92427 | 222 | 40 07573 | 99966 | 70 |
| 40 | 60 09524 | 187 | 60 09559 | 222 | 39 90441 | 99965 | 60 |
| 50 | 60 26589 | 187 | 60 26624 | 222 | 39 73376 | 99965 | 50 |
| 60 | 60 43587 | 187 | 60 43622 | 222 | 39 56378 | 99965 | 40 |
| 70 | 60 60518 | 187 | 60 60554 | 222 | 39 39446 | 99965 | 30 |
| 80 | 60 77384 | 187 | 60 77420 | 223 | 39 22580 | 99964 | 20 |
| 90 | 60 94184 | 187 | 60 94220 | 223 | 39 05780 | 99964 | 10 |
| **26 oo** | 7.61 10920 | 8.1961 187 | 7.61 10956 | 8.1961 223 | 2.38 89044 | 9.99 99964 | **74 oo** |
| 10 | 61 27592 | 187 | 61 27628 | 223 | 38 72372 | 99964 | 90 |
| 20 | 61 44199 | 187 | 61 44236 | 223 | 38 55764 | 99963 | 80 |
| 30 | 61 60744 | 186 | 61 60781 | 223 | 38 39219 | 99963 | 70 |
| 40 | 61 77226 | 186 | 61 77263 | 224 | 38 22737 | 99963 | 60 |
| 50 | 61 93645 | 186 | 61 93683 | 224 | 38 06317 | 99962 | 50 |
| 60 | 62 10002 | 186 | 62 10040 | 224 | 37 89960 | 99962 | 40 |
| 70 | 62 26299 | 186 | 62 26337 | 224 | 37 73663 | 99962 | 30 |
| 80 | 62 42534 | 186 | 62 42572 | 224 | 37 57428 | 99962 | 20 |
| 90 | 62 58709 | 186 | 62 58747 | 225 | 37 41253 | 99961 | 10 |
| **27 oo** | 7.62 74823 | 8.1961 186 | 7.62 74862 | 8.1961 225 | 2.37 25138 | 9.99 99961 | **73 oo** |
| 10 | 62 90879 | 186 | 62 90918 | 225 | 37 09082 | 99961 | 90 |
| 20 | 63 06875 | 186 | 63 06914 | 225 | 36 93086 | 99960 | 80 |
| 30 | 63 22812 | 185 | 63 22852 | 225 | 36 77148 | 99960 | 70 |
| 40 | 63 38691 | 185 | 63 38731 | 226 | 36 61269 | 99960 | 60 |
| 50 | 63 54512 | 185 | 63 54553 | 226 | 36 45447 | 99959 | 50 |
| 60 | 63 70276 | 185 | 63 70317 | 226 | 36 29683 | 99959 | 40 |
| 70 | 63 85983 | 185 | 63 86024 | 226 | 36 13976 | 99959 | 30 |
| 80 | 64 01633 | 185 | 64 01674 | 226 | 35 98326 | 99959 | 20 |
| 90 | 64 17227 | 185 | 64 17269 | 227 | 35 82731 | 99958 | 10 |
| **28 oo** | 7.64 32765 | 8.1961 185 | 7.64 32807 | 8.1961 227 | 2.35 67193 | 9.99 99958 | **72 oo** |
| 10 | 64 48248 | 185 | 64 48290 | 227 | 35 51710 | 99958 | 90 |
| 20 | 64 63676 | 185 | 64 63718 | 227 | 35 36282 | 99957 | 80 |
| 30 | 64 79049 | 184 | 64 79092 | 227 | 35 20908 | 99957 | 70 |
| 40 | 64 94368 | 184 | 64 94411 | 228 | 35 05589 | 99957 | 60 |
| 50 | 65 09633 | 184 | 65 09676 | 228 | 34 90324 | 99956 | 50 |
| 60 | 65 24844 | 184 | 65 24888 | 228 | 34 75112 | 99956 | 40 |
| 70 | 65 40003 | 184 | 65 40047 | 228 | 34 59953 | 99956 | 30 |
| 80 | 65 55109 | 184 | 65 55153 | 228 | 34 44847 | 99956 | 20 |
| 90 | 65 70162 | 184 | 65 70207 | 229 | 34 29793 | 99955 | 10 |
| **29 oo** | 7.65 85164 | 8.1961 184 | 7.65 85209 | 8.1961 229 | 2.34 14791 | 9.99 99955 | **71 oo** |
| 10 | 66 00114 | 184 | 66 00159 | 229 | 33 99841 | 99955 | 90 |
| 20 | 66 15012 | 184 | 66 15058 | 229 | 33 84942 | 99954 | 80 |
| 30 | 66 29860 | 183 | 66 29906 | 229 | 33 70094 | 99954 | 70 |
| 40 | 66 44657 | 183 | 66 44703 | 230 | 33 55297 | 99954 | 60 |
| 50 | 66 59403 | 183 | 66 59450 | 230 | 33 40550 | 99953 | 50 |
| 60 | 66 74100 | 183 | 66 74147 | 230 | 33 25853 | 99953 | 40 |
| 70 | 66 88748 | 183 | 66 88795 | 230 | 33 11205 | 99953 | 30 |
| 80 | 67 03346 | 183 | 67 03393 | 230 | 32 96607 | 99952 | 20 |
| 90 | 67 17895 | 183 | 67 17943 | 231 | 32 82057 | 99952 | 10 |
| **30 oo** | 7.67 32395 | 8.1961 183 | 7.67 32443 | 8.1961 231 | 2.32 67557 | 9.99 99952 | **70 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 14500 | 1 | 14500 | 1 | 14500 | 1 | $99^g$ |

| $0^g$ c cc | 14453 | 0 | 14453 | 0 | 14453 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **30 oo** | 7.67 32395 | 8.1961 183 | 7.67 32443 | 8.1961 231 | 2.32 67557 | 9.99 99952 | **70 oo** |
| 10 | 67 46848 | 183 | 67 46896 | 231 | 32 53104 | 99951 | 90 |
| 20 | 67 61252 | 182 | 67 61301 | 231 | 32 38699 | 99951 | 80 |
| 30 | 67 75609 | 182 | 67 75658 | 232 | 32 24342 | 99951 | 70 |
| 40 | 67 89918 | 182 | 67 89968 | 232 | 32 10032 | 99950 | 60 |
| 50 | 68 04181 | 182 | 68 04230 | 232 | 31 95770 | 99950 | 50 |
| 60 | 68 18396 | 182 | 68 18446 | 232 | 31 81554 | 99950 | 40 |
| 70 | 68 32566 | 182 | 68 32616 | 232 | 31 67384 | 99950 | 30 |
| 80 | 68 46689 | 182 | 68 46740 | 233 | 31 53260 | 99949 | 20 |
| 90 | 68 60767 | 182 | 68 60818 | 233 | 31 39182 | 99949 | 10 |
| **31 oo** | 7.68 74799 | 8.1961 182 | 7.68 74850 | 8.1961 233 | 2.31 25150 | 9.99 99949 | **69 oo** |
| 10 | 68 88785 | 181 | 68 88837 | 233 | 31 11163 | 99948 | 90 |
| 20 | 69 02727 | 181 | 69 02779 | 234 | 30 97221 | 99948 | 80 |
| 30 | 69 16625 | 181 | 69 16677 | 234 | 30 83323 | 99948 | 70 |
| 40 | 69 30478 | 181 | 69 30530 | 234 | 30 69470 | 99947 | 60 |
| 50 | 69 44287 | 181 | 69 44340 | 234 | 30 55660 | 99947 | 50 |
| 60 | 69 58052 | 181 | 69 58105 | 234 | 30 41895 | 99946 | 40 |
| 70 | 69 71773 | 181 | 69 71827 | 235 | 30 28173 | 99946 | 30 |
| 80 | 69 85452 | 181 | 69 85506 | 235 | 30 14494 | 99946 | 20 |
| 90 | 69 99087 | 181 | 69 99142 | 235 | 30 00858 | 99945 | 10 |
| **32 oo** | 7.70 12680 | 8.1961 180 | 7.70 12735 | 8.1961 235 | 2.29 87265 | 9.99 99945 | **68 oo** |
| 10 | 70 26231 | 180 | 70 26286 | 236 | 29 73714 | 99945 | 90 |
| 20 | 70 39739 | 180 | 70 39795 | 236 | 29 60205 | 99944 | 80 |
| 30 | 70 53205 | 180 | 70 53261 | 236 | 29 46739 | 99944 | 70 |
| 40 | 70 66630 | 180 | 70 66686 | 236 | 29 33314 | 99944 | 60 |
| 50 | 70 80014 | 180 | 70 80070 | 236 | 29 19930 | 99943 | 50 |
| 60 | 70 93356 | 180 | 70 93413 | 237 | 29 06587 | 99943 | 40 |
| 70 | 71 06657 | 180 | 71 06714 | 237 | 28 93286 | 99943 | 30 |
| 80 | 71 19918 | 180 | 71 19976 | 237 | 28 80024 | 99942 | 20 |
| 90 | 71 33138 | 179 | 71 33196 | 237 | 28 66804 | 99942 | 10 |
| **33 oo** | 7.71 46319 | 8.1961 179 | 7.71 46377 | 8.1961 238 | 2.28 53623 | 9.99 99942 | **67 oo** |
| 10 | 71 59459 | 179 | 71 59518 | 238 | 28 40482 | 99941 | 90 |
| 20 | 71 72560 | 179 | 71 72619 | 238 | 28 27381 | 99941 | 80 |
| 30 | 71 85621 | 179 | 71 85681 | 238 | 28 14319 | 99941 | 70 |
| 40 | 71 98644 | 179 | 71 98703 | 239 | 28 01297 | 99940 | 60 |
| 50 | 72 11627 | 179 | 72 11687 | 239 | 27 88313 | 99940 | 50 |
| 60 | 72 24571 | 179 | 72 24632 | 239 | 27 75368 | 99940 | 40 |
| 70 | 72 37477 | 178 | 72 37538 | 239 | 27 62462 | 99939 | 30 |
| 80 | 72 50345 | 178 | 72 50407 | 240 | 27 49593 | 99939 | 20 |
| 90 | 72 63175 | 178 | 72 63237 | 240 | 27 36763 | 99938 | 10 |
| **34 oo** | 7.72 75967 | 8.1961 178 | 7.72 76029 | 8.1961 240 | 2.27 23971 | 9.99 99938 | **66 oo** |
| 10 | 72 88722 | 178 | 72 88784 | 240 | 27 11216 | 99938 | 90 |
| 20 | 73 01439 | 178 | 73 01502 | 241 | 26 98498 | 99937 | 80 |
| 30 | 73 14119 | 178 | 73 14182 | 241 | 26 85818 | 99937 | 70 |
| 40 | 73 26762 | 178 | 73 26825 | 241 | 26 73175 | 99937 | 60 |
| 50 | 73 39368 | 178 | 73 39432 | 241 | 26 60568 | 99936 | 50 |
| 60 | 73 51938 | 177 | 73 52003 | 242 | 26 47997 | 99936 | 40 |
| 70 | 73 64472 | 177 | 73 64537 | 242 | 26 35463 | 99935 | 30 |
| 80 | 73 76970 | 177 | 73 77034 | 242 | 26 22966 | 99935 | 20 |
| 90 | 73 89431 | 177 | 73 89497 | 242 | 26 10503 | 99935 | 10 |
| **35 oo** | 7.74 01857 | 8.1961 177 | 7.74 01923 | 8.1961 243 | 2.25 98077 | 9.99 99934 | **65 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 12426 | 1 | 12426 | 1 | 12426 | 1 | $99^g$ |

| $0^g$ c cc | 12391 | 0 | 12391 | 0 | 12391 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **35 oo** | 7·74 01857 | 8.1961 177 | 7·74 01923 | 8.1961 243 | 2.25 98077 | 9.99 99934 | **65 oo** |
| 10 | 74 14248 | 177 | 74 14314 | 243 | 25 85686 | 99934 | 90 |
| 20 | 74 26603 | 177 | 74 26670 | 243 | 25 73330 | 99934 | 80 |
| 30 | 74 38924 | 177 | 74 38990 | 243 | 25 61010 | 99933 | 70 |
| 40 | 74 51209 | 176 | 74 51276 | 244 | 25 48724 | 99933 | 60 |
| 50 | 74 63460 | 176 | 74 63527 | 244 | 25 36473 | 99932 | 50 |
| 60 | 74 75676 | 176 | 74 75744 | 244 | 25 24256 | 99932 | 40 |
| 70 | 74 87858 | 176 | 74 87926 | 244 | 25 12074 | 99932 | 30 |
| 80 | 75 00006 | 176 | 75 00075 | 245 | 24 99925 | 99931 | 20 |
| 90 | 75 12120 | 176 | 75 12189 | 245 | 24 87811 | 99931 | 10 |
| **36 oo** | 7·75 24201 | 8.1961 176 | 7·75 24270 | 8.1961 245 | 2.24 75730 | 9.99 99931 | **64 oo** |
| 10 | 75 36248 | 175 | 75 36317 | 245 | 24 63683 | 99930 | 90 |
| 20 | 75 48261 | 175 | 75 48331 | 246 | 24 51669 | 99930 | 80 |
| 30 | 75 60241 | 175 | 75 60312 | 246 | 24 39688 | 99929 | 70 |
| 40 | 75 72189 | 175 | 75 72260 | 246 | 24 27740 | 99929 | 60 |
| 50 | 75 84104 | 175 | 75 84175 | 246 | 24 15825 | 99929 | 50 |
| 60 | 75 95986 | 175 | 75 96057 | 247 | 24 03943 | 99928 | 40 |
| 70 | 76 07835 | 175 | 76 07908 | 247 | 23 92092 | 99928 | 30 |
| 80 | 76 19653 | 175 | 76 19725 | 247 | 23 80275 | 99927 | 20 |
| 90 | 76 31438 | 174 | 76 31511 | 247 | 23 68489 | 99927 | 10 |
| **37 oo** | 7·76 43192 | 8.1961 174 | 7·76 43265 | 8.1961 248 | 2.23 56735 | 9.99 99927 | **63 oo** |
| 10 | 76 54913 | 174 | 76 54987 | 248 | 23 45013 | 99926 | 90 |
| 20 | 76 66603 | 174 | 76 66678 | 248 | 23 33322 | 99926 | 80 |
| 30 | 76 78262 | 174 | 76 78337 | 248 | 23 21663 | 99925 | 70 |
| 40 | 76 89890 | 174 | 76 89965 | 249 | 23 10035 | 99925 | 60 |
| 50 | 77 01486 | 174 | 77 01562 | 249 | 22 98438 | 99925 | 50 |
| 60 | 77 13052 | 174 | 77 13128 | 249 | 22 86872 | 99924 | 40 |
| 70 | 77 24587 | 173 | 77 24663 | 250 | 22 75337 | 99924 | 30 |
| 80 | 77 36091 | 173 | 77 36168 | 250 | 22 63832 | 99923 | 20 |
| 90 | 77 47565 | 173 | 77 47642 | 250 | 22 52358 | 99923 | 10 |
| **38 oo** | 7·77 59009 | 8.1961 173 | 7·77 59086 | 8.1961 250 | 2.22 40914 | 9.99 99923 | **62 oo** |
| 10 | 77 70423 | 173 | 77 70500 | 251 | 22 29500 | 99922 | 90 |
| 20 | 77 81806 | 173 | 77 81885 | 251 | 22 18115 | 99922 | 80 |
| 30 | 77 93160 | 173 | 77 93239 | 251 | 22 06761 | 99921 | 70 |
| 40 | 78 04485 | 172 | 78 04564 | 251 | 21 95436 | 99921 | 60 |
| 50 | 78 15780 | 172 | 78 15859 | 252 | 21 84141 | 99921 | 50 |
| 60 | 78 27045 | 172 | 78 27125 | 252 | 21 72875 | 99920 | 40 |
| 70 | 78 38282 | 172 | 78 38362 | 252 | 21 61638 | 99920 | 30 |
| 80 | 78 49489 | 172 | 78 49570 | 253 | 21 50430 | 99919 | 20 |
| 90 | 78 60668 | 172 | 78 60749 | 253 | 21 39251 | 99919 | 10 |
| **39 oo** | 7·78 71818 | 8.1961 172 | 7·78 71899 | 8.1961 253 | 2.21 28101 | 9.99 99919 | **61 oo** |
| 10 | 78 82939 | 171 | 78 83021 | 253 | 21 16979 | 99918 | 90 |
| 20 | 78 94032 | 171 | 78 94114 | 254 | 21 05886 | 99918 | 80 |
| 30 | 79 05097 | 171 | 79 05179 | 254 | 20 94821 | 99917 | 70 |
| 40 | 79 16133 | 171 | 79 16216 | 254 | 20 83784 | 99917 | 60 |
| 50 | 79 27142 | 171 | 79 27225 | 255 | 20 72775 | 99916 | 50 |
| 60 | 79 38123 | 171 | 79 38207 | 255 | 20 61793 | 99916 | 40 |
| 70 | 79 49076 | 171 | 79 49160 | 255 | 20 50840 | 99916 | 30 |
| 80 | 79 60001 | 170 | 79 60086 | 255 | 20 39914 | 99915 | 20 |
| 90 | 79 70899 | 170 | 79 70985 | 256 | 20 29015 | 99915 | 10 |
| **40 oo** | 7·79 81770 | 8.1961 170 | 7·79 81856 | 8.1961 256 | 2.20 18144 | 9.99 99914 | **60 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 10871 | 1 | 10871 | 1 | 10871 | 1 | $99^g$ |

| $0^g$ c cc | 10844 | 0 | 10844 | 0 | 10844 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **40 oo** | 7.79 81770 | 8.1961 170 | 7.79 81856 | 8.1961 256 | 2.20 18144 | 9.99 99914 | **60 oo** |
| 10 | 7.79 92614 | 170 | 7.79 92700 | 256 | 2.20 07300 | 99914 | 90 |
| 20 | 7.80 03430 | 170 | 7.80 03517 | 256 | 2.19 96483 | 99913 | 80 |
| 30 | 14220 | 170 | 14307 | 257 | 85693 | 99913 | 70 |
| 40 | 24983 | 170 | 25071 | 257 | 74929 | 99913 | 60 |
| 50 | 35720 | 169 | 35808 | 257 | 64192 | 99912 | 50 |
| 60 | 46430 | 169 | 46518 | 258 | 53482 | 99912 | 40 |
| 70 | 57113 | 169 | 57202 | 258 | 42798 | 99911 | 30 |
| 80 | 67771 | 169 | 67860 | 258 | 32140 | 99911 | 20 |
| 90 | 78402 | 169 | 78492 | 259 | 21508 | 99910 | 10 |
| **41 oo** | 7.80 89007 | 8.1961 169 | 7.80 89097 | 8.1961 259 | 2.19 10903 | 9.99 99910 | **59 oo** |
| 10 | 7.80 99587 | 169 | 7.80 99677 | 259 | 2.19 00323 | 99909 | 90 |
| 20 | 7.81 10141 | 168 | 7.81 10232 | 259 | 2.18 89768 | 99909 | 80 |
| 30 | 20669 | 168 | 20760 | 260 | 79240 | 99909 | 70 |
| 40 | 31172 | 168 | 31263 | 260 | 68737 | 99908 | 60 |
| 50 | 41649 | 168 | 41741 | 260 | 58259 | 99908 | 50 |
| 60 | 52101 | 168 | 52194 | 261 | 47806 | 99907 | 40 |
| 70 | 62528 | 168 | 62621 | 261 | 37379 | 99907 | 30 |
| 80 | 72930 | 168 | 73024 | 261 | 26976 | 99906 | 20 |
| 90 | 83308 | 167 | 83402 | 261 | 16598 | 99906 | 10 |
| **42 oo** | 7.81 93660 | 8.1961 167 | 7.81 93755 | 8.1961 262 | 2.18 06245 | 9.99 99905 | **58 oo** |
| 10 | 7.82 03988 | 167 | 7.82 04083 | 262 | 2.17 95917 | 99905 | 90 |
| 20 | 14291 | 167 | 14387 | 262 | 85613 | 99905 | 80 |
| 30 | 24570 | 167 | 24666 | 263 | 75334 | 99904 | 70 |
| 40 | 34825 | 167 | 34922 | 263 | 65078 | 99904 | 60 |
| 50 | 45056 | 167 | 45153 | 263 | 54847 | 99903 | 50 |
| 60 | 55262 | 166 | 55360 | 264 | 44640 | 99903 | 40 |
| 70 | 65445 | 166 | 65543 | 264 | 34457 | 99902 | 30 |
| 80 | 75604 | 166 | 75702 | 264 | 24298 | 99902 | 20 |
| 90 | 85739 | 166 | 85837 | 265 | 14163 | 99901 | 10 |
| **43 oo** | 7.82 95850 | 8.1961 166 | 7.82 95949 | 8.1961 265 | 2.17 04051 | 9.99 99901 | **57 oo** |
| 10 | 7.83 05938 | 166 | 7.83 06038 | 265 | 2.16 93962 | 99900 | 90 |
| 20 | 16003 | 165 | 16103 | 265 | 83897 | 99900 | 80 |
| 30 | 26044 | 165 | 26145 | 266 | 73855 | 99900 | 70 |
| 40 | 36062 | 165 | 36163 | 266 | 63837 | 99899 | 60 |
| 50 | 46058 | 165 | 46159 | 266 | 53841 | 99899 | 50 |
| 60 | 56030 | 165 | 56132 | 267 | 43868 | 99898 | 40 |
| 70 | 65979 | 165 | 66081 | 267 | 33919 | 99898 | 30 |
| 80 | 75906 | 165 | 76008 | 267 | 23992 | 99897 | 20 |
| 90 | 85810 | 164 | 85913 | 268 | 14087 | 99897 | 10 |
| **44 oo** | 7.83 95691 | 8.1961 164 | 7.83 95795 | 8.1961 268 | 2.16 04205 | 9.99 99896 | **56 oo** |
| 10 | 7.84 05550 | 164 | 7.84 05654 | 268 | 2.15 94346 | 99896 | 90 |
| 20 | 15387 | 164 | 15491 | 269 | 84509 | 99895 | 80 |
| 30 | 25201 | 164 | 25306 | 269 | 74694 | 99895 | 70 |
| 40 | 34993 | 164 | 35099 | 269 | 64901 | 99894 | 60 |
| 50 | 44764 | 163 | 44870 | 270 | 55130 | 99894 | 50 |
| 60 | 54512 | 163 | 54618 | 270 | 45382 | 99893 | 40 |
| 70 | 64238 | 163 | 64345 | 270 | 35655 | 99893 | 30 |
| 80 | 73943 | 163 | 74051 | 270 | 25949 | 99892 | 20 |
| 90 | 83626 | 163 | 83734 | 271 | 16266 | 99892 | 10 |
| **45 oo** | 7.84 93288 | 8.1961 163 | 7.84 93396 | 8.1961 271 | 2.15 06604 | 9.99 99892 | **55 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 9662 | 1 | 9662 | 1 | 9662 | 1 | $99^g$ |

| $0^g$ c cc | 9640 | 0 | 9641 | 0 | 9641 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **45 oo** | 7.84 93288 | 8.1961 163 | 7.84 93396 | 8.1961 271 | 2.15 06604 | 9.99 99892 | **55 oo** |
| 10 | 7.85 02928 | 162 | 7.85 03037 | 271 | 2.14 96963 | 99891 | 90 |
| 20 | 12547 | 162 | 12656 | 272 | 87344 | 99891 | 80 |
| 30 | 22144 | 162 | 22254 | 272 | 77746 | 99890 | 70 |
| 40 | 31720 | 162 | 31831 | 272 | 68169 | 99890 | 60 |
| 50 | 41276 | 162 | 41387 | 273 | 58613 | 99889 | 50 |
| 60 | 50810 | 162 | 50921 | 273 | 49079 | 99889 | 40 |
| 70 | 60323 | 161 | 60435 | 273 | 39565 | 99888 | 30 |
| 80 | 69816 | 161 | 69928 | 274 | 30072 | 99888 | 20 |
| 90 | 79288 | 161 | 79401 | 274 | 20599 | 99887 | 10 |
| **46 oo** | 7.85 88739 | 8.1961 161 | 7.85 88853 | 8.1961 274 | 2.14 11147 | 9.99 99887 | **54 oo** |
| 10 | 7.85 98170 | 161 | 7.85 98284 | 275 | 2.14 01716 | 99886 | 90 |
| 20 | 7.86 07580 | 161 | 7.86 07695 | 275 | 2.13 92305 | 99886 | 80 |
| 30 | 16970 | 160 | 17085 | 275 | 82915 | 99885 | 70 |
| 40 | 26340 | 160 | 26455 | 276 | 73545 | 99885 | 60 |
| 50 | 35690 | 160 | 35806 | 276 | 64194 | 99884 | 50 |
| 60 | 45019 | 160 | 45136 | 276 | 54864 | 99884 | 40 |
| 70 | 54329 | 160 | 54445 | 277 | 45555 | 99883 | 30 |
| 80 | 63618 | 160 | 63736 | 277 | 36264 | 99883 | 20 |
| 90 | 72888 | 159 | 73006 | 277 | 26994 | 99882 | 10 |
| **47 oo** | 7.86 82138 | 8.1961 159 | 7.86 82256 | 8.1961 278 | 2.13 17744 | 9.99 99882 | **53 oo** |
| 10 | 7.86 91368 | 159 | 7.86 91487 | 278 | 2.13 08513 | 99881 | 90 |
| 20 | 7.87 00579 | 159 | 7.87 00698 | 278 | 2.12 99302 | 99881 | 80 |
| 30 | 09770 | 159 | 09890 | 279 | 90110 | 99880 | 70 |
| 40 | 18942 | 159 | 19062 | 279 | 80938 | 99880 | 60 |
| 50 | 28095 | 158 | 28215 | 279 | 71785 | 99879 | 50 |
| 60 | 37228 | 158 | 37349 | 280 | 62651 | 99879 | 40 |
| 70 | 46342 | 158 | 46464 | 280 | 53536 | 99878 | 30 |
| 80 | 55437 | 158 | 55559 | 280 | 44441 | 99878 | 20 |
| 90 | 64513 | 158 | 64636 | 281 | 35364 | 99877 | 10 |
| **48 oo** | 7.87 73570 | 8.1961 158 | 7.87 73693 | 8.1961 281 | 2.12 26307 | 9.99 99877 | **52 oo** |
| 10 | 82608 | 157 | 82732 | 281 | 17268 | 99876 | 90 |
| 20 | 7.87 91628 | 157 | 7.87 91752 | 282 | 2.12 08248 | 99876 | 80 |
| 30 | 7.88 00628 | 157 | 7.88 00753 | 282 | 2.11 99247 | 99875 | 70 |
| 40 | 09611 | 157 | 09736 | 282 | 90264 | 99874 | 60 |
| 50 | 18574 | 157 | 18700 | 283 | 81300 | 99874 | 50 |
| 60 | 27519 | 157 | 27646 | 283 | 72354 | 99873 | 40 |
| 70 | 36446 | 156 | 36573 | 283 | 63427 | 99873 | 30 |
| 80 | 45354 | 156 | 45482 | 284 | 54518 | 99872 | 20 |
| 90 | 54245 | 156 | 54373 | 284 | 45627 | 99872 | 10 |
| **49 oo** | 7.88 63117 | 8.1961 156 | 7.88 63245 | 8.1961 285 | 2.11 36755 | 9.99 99871 | **51 oo** |
| 10 | 71971 | 156 | 72100 | 285 | 27900 | 99871 | 90 |
| 20 | 80807 | 156 | 80936 | 285 | 19064 | 99870 | 80 |
| 30 | 89625 | 155 | 89755 | 286 | 10245 | 99870 | 70 |
| 40 | 7.88 98425 | 155 | 7.88 98555 | 286 | 2.11 01445 | 99869 | 60 |
| 50 | 7.89 07207 | 155 | 7.89 07338 | 286 | 2.10 92662 | 99869 | 50 |
| 60 | 15972 | 155 | 16103 | 287 | 83897 | 99868 | 40 |
| 70 | 24719 | 155 | 24851 | 287 | 75149 | 99868 | 30 |
| 80 | 33448 | 154 | 33581 | 287 | 66419 | 99867 | 20 |
| 90 | 42160 | 154 | 42293 | 288 | 57707 | 99867 | 10 |
| **50 oo** | 7.89 50854 | 8.1961 154 | 7.89 50988 | 8.1961 288 | 2.10 49012 | 9.99 99866 | **50 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 8694 | 1 | 8695 | 1 | 8695 | 1 | $99^g$ |

| $0^g$ c cc | 8677 | 0 | 8678 | 0 | 8678 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **50 oo** | 7.89 50854 | 8.1961 154 | 7.89 50988 | 8.1961 288 | 2.10 49012 | 9.99 99866 | **50 oo** |
| 10 | 59531 | 154 | 59666 | 288 | 40334 | 99866 | 90 |
| 20 | 68191 | 154 | 68326 | 289 | 31674 | 99865 | 80 |
| 30 | 76833 | 154 | 76969 | 289 | 23031 | 99864 | 70 |
| 40 | 85459 | 153 | 85595 | 290 | 14405 | 99864 | 60 |
| 50 | 7.89 94067 | 153 | 7.89 94204 | 290 | 2.10 05796 | 99863 | 50 |
| 60 | 7.90 02658 | 153 | 7.90 02795 | 290 | 2.09 97205 | 99863 | 40 |
| 70 | 11232 | 153 | 11370 | 291 | 88630 | 99862 | 30 |
| 80 | 19790 | 153 | 19928 | 291 | 80072 | 99862 | 20 |
| 90 | 28330 | 152 | 28469 | 291 | 71531 | 99861 | 10 |
| **51 oo** | 7.90 36854 | 8.1961 152 | 7.90 36993 | 8.1961 292 | 2.09 63007 | 9.99 99861 | **49 oo** |
| 10 | 45361 | 152 | 45501 | 292 | 54499 | 99860 | 90 |
| 20 | 53852 | 152 | 53992 | 292 | 46008 | 99860 | 80 |
| 30 | 62325 | 152 | 62466 | 293 | 37534 | 99859 | 70 |
| 40 | 70783 | 152 | 70924 | 293 | 29076 | 99858 | 60 |
| 50 | 79224 | 151 | 79366 | 294 | 20634 | 99858 | 50 |
| 60 | 87648 | 151 | 87791 | 294 | 12209 | 99857 | 40 |
| 70 | 7.90 96056 | 151 | 7.90 96200 | 294 | 2.09 03800 | 99857 | 30 |
| 80 | 7.91 04448 | 151 | 7.91 04592 | 295 | 2.08 95408 | 99856 | 20 |
| 90 | 12824 | 151 | 12969 | 295 | 87031 | 99856 | 10 |
| **52 oo** | 7.91 21184 | 8.1961 150 | 7.91 21329 | 8.1961 295 | 2.08 78671 | 9.99 99855 | **48 oo** |
| 10 | 29528 | 150 | 29673 | 296 | 70327 | 99855 | 90 |
| 20 | 37855 | 150 | 38001 | 296 | 61999 | 99854 | 80 |
| 30 | 46167 | 150 | 46313 | 296 | 53687 | 99853 | 70 |
| 40 | 54463 | 150 | 54610 | 297 | 45390 | 99853 | 60 |
| 50 | 62743 | 150 | 62890 | 297 | 37110 | 99852 | 50 |
| 60 | 71007 | 149 | 71155 | 298 | 28845 | 99852 | 40 |
| 70 | 79255 | 149 | 79404 | 298 | 20596 | 99851 | 30 |
| 80 | 87488 | 149 | 87638 | 298 | 12362 | 99851 | 20 |
| 90 | 7.91 95706 | 149 | 7.91 95855 | 299 | 2.08 04145 | 99850 | 10 |
| **53 oo** | 7.92 03907 | 8.1961 149 | 7.92 04058 | 8.1961 299 | 2.07 95942 | 9.99 99849 | **47 oo** |
| 10 | 12094 | 148 | 12245 | 299 | 87755 | 99849 | 90 |
| 20 | 20265 | 148 | 20416 | 300 | 79584 | 99848 | 80 |
| 30 | 28420 | 148 | 28572 | 300 | 71428 | 99848 | 70 |
| 40 | 36560 | 148 | 36713 | 301 | 63287 | 99847 | 60 |
| 50 | 44685 | 148 | 44839 | 301 | 55161 | 99847 | 50 |
| 60 | 52795 | 147 | 52949 | 301 | 47051 | 99846 | 40 |
| 70 | 60890 | 147 | 61045 | 302 | 38955 | 99845 | 30 |
| 80 | 68970 | 147 | 69125 | 302 | 30875 | 99845 | 20 |
| 90 | 77035 | 147 | 77190 | 303 | 22810 | 99844 | 10 |
| **54 oo** | 7.92 85084 | 8.1961 147 | 7.92 85241 | 8.1961 303 | 2.07 14759 | 9.99 99844 | **46 oo** |
| 10 | 7.92 93119 | 146 | 7.92 93276 | 303 | 2.07 06724 | 99843 | 90 |
| 20 | 7.93 01139 | 146 | 7.93 01297 | 304 | 2.06 98703 | 99843 | 80 |
| 30 | 09144 | 146 | 09302 | 304 | 90698 | 99842 | 70 |
| 40 | 17135 | 146 | 17293 | 304 | 82707 | 99841 | 60 |
| 50 | 25111 | 146 | 25270 | 305 | 74730 | 99841 | 50 |
| 60 | 33072 | 146 | 33232 | 305 | 66768 | 99840 | 40 |
| 70 | 41019 | 145 | 41179 | 306 | 58821 | 99840 | 30 |
| 80 | 48951 | 145 | 49112 | 306 | 50888 | 99839 | 20 |
| 90 | 56868 | 145 | 57030 | 306 | 42970 | 99839 | 10 |
| **55 oo** | 7.93 64772 | 8.1961 145 | 7.93 64934 | 8.1961 307 | 2.06 35066 | 9.99 99838 | **45 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 7904 | 1 | 7904 | 1 | 7904 | 1 | $99^g$ |

| $0^g$ c cc | 7889 | 0 | 7889 | 0 | 7889 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **55 00** | 7.93 64772 | 8.1961 145 | 7.93 64934 | 8.1961 307 | 2.06 35066 | 9.99 99838 | **45 00** |
| 10 | 72661 | 145 | 72823 | 307 | 27177 | 99837 | 90 |
| 20 | 80535 | 144 | 80698 | 308 | 19302 | 99837 | 80 |
| 30 | 88395 | 144 | 88559 | 308 | 11441 | 99836 | 70 |
| 40 | 7.93 96242 | 144 | 7.93 96406 | 308 | 2.06 03594 | 99836 | 60 |
| 50 | 7.94 04074 | 144 | 7.94 04239 | 309 | 2.05 95761 | 99835 | 50 |
| 60 | 11891 | 144 | 12057 | 309 | 87943 | 99834 | 40 |
| 70 | 19695 | 143 | 19862 | 310 | 80138 | 99834 | 30 |
| 80 | 27485 | 143 | 27652 | 310 | 72348 | 99833 | 20 |
| 90 | 35261 | 143 | 35428 | 310 | 64572 | 99833 | 10 |
| **56 00** | 7.94 43023 | 8.1961 143 | 7.94 43191 | 8.1961 311 | 2.05 56809 | 9.99 99832 | **44 00** |
| 10 | 50771 | 143 | 50940 | 311 | 49060 | 99831 | 90 |
| 20 | 58506 | 142 | 58675 | 312 | 41325 | 99831 | 80 |
| 30 | 66226 | 142 | 66396 | 312 | 33604 | 99830 | 70 |
| 40 | 73933 | 142 | 74103 | 312 | 25897 | 99830 | 60 |
| 50 | 81626 | 142 | 81797 | 313 | 18203 | 99829 | 50 |
| 60 | 89306 | 142 | 89478 | 313 | 10522 | 99828 | 40 |
| 70 | 7.94 96972 | 141 | 7.94 97144 | 314 | 2.05 02856 | 99828 | 30 |
| 80 | 7.95 04625 | 141 | 7.95 04797 | 314 | 2.04 95203 | 99827 | 20 |
| 90 | 12264 | 141 | 12437 | 314 | 87563 | 99827 | 10 |
| **57 00** | 7.95 19889 | 8.1961 141 | 7.95 20063 | 8.1961 315 | 2.04 79937 | 9.99 99826 | **43 00** |
| 10 | 27502 | 141 | 27676 | 315 | 72324 | 99825 | 90 |
| 20 | 35101 | 140 | 35276 | 316 | 64724 | 99825 | 80 |
| 30 | 42686 | 140 | 42862 | 316 | 57138 | 99824 | 70 |
| 40 | 50259 | 140 | 50435 | 316 | 49565 | 99823 | 60 |
| 50 | 57818 | 140 | 57995 | 317 | 42005 | 99823 | 50 |
| 60 | 65364 | 140 | 65542 | 317 | 34458 | 99822 | 40 |
| 70 | 72897 | 139 | 73076 | 318 | 26924 | 99822 | 30 |
| 80 | 80417 | 139 | 80596 | 318 | 19404 | 99821 | 20 |
| 90 | 87925 | 139 | 88104 | 319 | 11896 | 99820 | 10 |
| **58 00** | 7.95 95419 | 8.1961 139 | 7.95 95599 | 8.1961 319 | 2.04 04401 | 9.99 99820 | **42 00** |
| 10 | 7.96 02900 | 138 | 7.96 03081 | 319 | 2.03 96919 | 99819 | 90 |
| 20 | 10368 | 138 | 10550 | 320 | 89450 | 99819 | 80 |
| 30 | 17824 | 138 | 18006 | 320 | 81994 | 99818 | 70 |
| 40 | 25266 | 138 | 25449 | 321 | 74551 | 99817 | 60 |
| 50 | 32696 | 138 | 32880 | 321 | 67120 | 99817 | 50 |
| 60 | 40114 | 137 | 40298 | 321 | 59702 | 99816 | 40 |
| 70 | 47518 | 137 | 47703 | 322 | 52297 | 99815 | 30 |
| 80 | 54910 | 137 | 55096 | 322 | 44904 | 99815 | 20 |
| 90 | 62290 | 137 | 62476 | 323 | 37524 | 99814 | 10 |
| **59 00** | 7.96 69657 | 8.1961 137 | 7.96 69843 | 8.1961 323 | 2.03 30157 | 9.99 99813 | **41 00** |
| 10 | 77011 | 136 | 77198 | 324 | 22802 | 99813 | 90 |
| 20 | 84353 | 136 | 84541 | 324 | 15459 | 99812 | 80 |
| 30 | 91683 | 136 | 91871 | 324 | 08129 | 99812 | 70 |
| 40 | 7.96 99000 | 136 | 7.96 99189 | 325 | 2.03 00811 | 99811 | 60 |
| 50 | 7.97 06305 | 136 | 7.97 06495 | 325 | 2.02 93505 | 99810 | 50 |
| 60 | 13598 | 135 | 13788 | 326 | 86212 | 99810 | 40 |
| 70 | 20878 | 135 | 21069 | 326 | 78931 | 99809 | 30 |
| 80 | 28147 | 135 | 28338 | 327 | 71662 | 99808 | 20 |
| 90 | 35403 | 135 | 35595 | 327 | 64405 | 99808 | 10 |
| **60 00** | 7.97 42647 | 8.1961 134 | 7.97 42840 | 8.1961 327 | 2.02 57160 | 9.99 99807 | **40 00** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 7244 | 1 | 7245 | 1 | 7245 | 1 | $99^g$ |

| $0^g$ c cc | 7232 | 0 | 7233 | 0 | 7233 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **60 oo** | 7·97 42647 | 8.1961 134 | 7·97 42840 | 8.1961 327 | 2.02 57160 | 9.99 99807 | **40 oo** |
| 10 | 49879 | 134 | 50073 | 328 | 49927 | 99806 | 90 |
| 20 | 57099 | 134 | 57293 | 328 | 42707 | 99806 | 80 |
| 30 | 64307 | 134 | 64502 | 329 | 35498 | 99805 | 70 |
| 40 | 71503 | 134 | 71698 | 329 | 28302 | 99805 | 60 |
| 50 | 78687 | 133 | 78883 | 330 | 21117 | 99804 | 50 |
| 60 | 85859 | 133 | 86056 | 330 | 13944 | 99803 | 40 |
| 70 | 7·97 93020 | 133 | 7·97 93217 | 330 | 2.02 06783 | 99803 | 30 |
| 80 | 7·98 00169 | 133 | 7·98 00367 | 331 | 2.01 99633 | 99802 | 20 |
| 90 | 07305 | 133 | 07504 | 331 | 92496 | 99801 | 10 |
| **61 oo** | 7·98 14431 | 8.1961 132 | 7·98 14630 | 8.1961 332 | 2.01 85370 | 9.99 99801 | **39 oo** |
| 10 | 21544 | 132 | 21744 | 332 | 78256 | 99800 | 90 |
| 20 | 28646 | 132 | 28847 | 333 | 71153 | 99799 | 80 |
| 30 | 35736 | 132 | 35938 | 333 | 64062 | 99799 | 70 |
| 40 | 42815 | 131 | 43017 | 333 | 56983 | 99798 | 60 |
| 50 | 49882 | 131 | 50085 | 334 | 49915 | 99797 | 50 |
| 60 | 56938 | 131 | 57141 | 334 | 42859 | 99797 | 40 |
| 70 | 63982 | 131 | 64186 | 335 | 35814 | 99796 | 30 |
| 80 | 71015 | 131 | 71220 | 335 | 28780 | 99795 | 20 |
| 90 | 78037 | 130 | 78242 | 336 | 21758 | 99795 | 10 |
| **62 oo** | 7·98 85047 | 8.1961 130 | 7·98 85253 | 8.1961 336 | 2.01 14747 | 9.99 99794 | **38 oo** |
| 10 | 92046 | 130 | 92253 | 337 | 07747 | 99793 | 90 |
| 20 | 7·98 99034 | 130 | 7·98 99241 | 337 | 2.01 00759 | 99793 | 80 |
| 30 | 7·99 06010 | 129 | 7·99 06218 | 337 | 2.00 93782 | 99792 | 70 |
| 40 | 12975 | 129 | 13184 | 338 | 86816 | 99791 | 60 |
| 50 | 19929 | 129 | 20138 | 338 | 79862 | 99791 | 50 |
| 60 | 26872 | 129 | 27082 | 339 | 72918 | 99790 | 40 |
| 70 | 33804 | 129 | 34015 | 339 | 65985 | 99789 | 30 |
| 80 | 40725 | 128 | 40936 | 340 | 59064 | 99789 | 20 |
| 90 | 47635 | 128 | 47847 | 340 | 52153 | 99788 | 10 |
| **63 oo** | 7·99 54533 | 8.1961 128 | 7·99 54746 | 8.1961 341 | 2.00 45254 | 9.99 99787 | **37 oo** |
| 10 | 61421 | 128 | 61635 | 341 | 38365 | 99787 | 90 |
| 20 | 68298 | 127 | 68512 | 341 | 31488 | 99786 | 80 |
| 30 | 75164 | 127 | 75379 | 342 | 24621 | 99785 | 70 |
| 40 | 82020 | 127 | 82235 | 342 | 17765 | 99785 | 60 |
| 50 | 88864 | 127 | 89080 | 343 | 10920 | 99784 | 50 |
| 60 | 7·99 95698 | 127 | 7·99 95914 | 343 | 2.00 04086 | 99783 | 40 |
| 70 | 8.00 02521 | 126 | 8.00 02738 | 344 | 1.99 97262 | 99783 | 30 |
| 80 | 09333 | 126 | 09551 | 344 | 90449 | 99782 | 20 |
| 90 | 16134 | 126 | 16353 | 345 | 83647 | 99781 | 10 |
| **64 oo** | 8.00 22925 | 8.1961 126 | 8.00 23145 | 8.1961 345 | 1.99 76855 | 9.99 99781 | **36 oo** |
| 10 | 29706 | 125 | 29926 | 346 | 70074 | 99780 | 90 |
| 20 | 36475 | 125 | 36696 | 346 | 63304 | 99779 | 80 |
| 30 | 43235 | 125 | 43456 | 346 | 56544 | 99778 | 70 |
| 40 | 49983 | 125 | 50206 | 347 | 49794 | 99778 | 60 |
| 50 | 56722 | 124 | 56945 | 347 | 43055 | 99777 | 50 |
| 60 | 63449 | 124 | 63673 | 348 | 36327 | 99776 | 40 |
| 70 | 70167 | 124 | 70391 | 348 | 29609 | 99776 | 30 |
| 80 | 76874 | 124 | 77099 | 349 | 22901 | 99775 | 20 |
| 90 | 83571 | 124 | 83796 | 349 | 16204 | 99774 | 10 |
| **65 oo** | 8.00 90257 | 8.1961 123 | 8.00 90483 | 8.1961 350 | 1.99 09517 | 9.99 99774 | **35 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $99^g$ |
| | 6686 | 1 | 6687 | 1 | 6687 | 1 | |

| $0^g$ c cc | 6676 | 0 | 6677 | 0 | 6677 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **65 oo** | 8.00 90257 | 8.1961 123 | 8.00 90483 | 8.1961 350 | 1.99 09517 | 9.99 99774 | **35 oo** |
| 10 | 8.00 96933 | 123 | 8.00 97160 | 350 | 1.99 02840 | 99773 | 90 |
| 20 | 8.01 03599 | 123 | 8.01 03827 | 351 | 1.98 96173 | 99772 | 80 |
| 30 | 10254 | 123 | 10483 | 351 | 89517 | 99772 | 70 |
| 40 | 16900 | 122 | 17129 | 352 | 82871 | 99771 | 60 |
| 50 | 23535 | 122 | 23765 | 352 | 76235 | 99770 | 50 |
| 60 | 30160 | 122 | 30391 | 352 | 69609 | 99769 | 40 |
| 70 | 36775 | 122 | 37007 | 353 | 62993 | 99769 | 30 |
| 80 | 43380 | 121 | 43612 | 353 | 56388 | 99768 | 20 |
| 90 | 49975 | 121 | 50208 | 354 | 49792 | 99767 | 10 |
| **66 oo** | 8.01 56560 | 8.1961 121 | 8.01 56794 | 8.1961 354 | 1.98 43206 | 9.99 99767 | **34 oo** |
| 10 | 63135 | 121 | 63369 | 355 | 36631 | 99766 | 90 |
| 20 | 69700 | 121 | 69935 | 355 | 30065 | 99765 | 80 |
| 30 | 76256 | 120 | 76491 | 356 | 23509 | 99764 | 70 |
| 40 | 82801 | 120 | 83037 | 356 | 16963 | 99764 | 60 |
| 50 | 89336 | 120 | 89573 | 357 | 10427 | 99763 | 50 |
| 60 | 8.01 95862 | 120 | 8.01 96100 | 357 | 1.98 03900 | 99762 | 40 |
| 70 | 8.02 02378 | 119 | 8.02 02616 | 358 | 1.97 97384 | 99762 | 30 |
| 80 | 08884 | 119 | 09123 | 358 | 90877 | 99761 | 20 |
| 90 | 15380 | 119 | 15620 | 359 | 84380 | 99760 | 10 |
| **67 oo** | 8.02 21867 | 8.1961 119 | 8.02 22107 | 8.1961 359 | 1.97 77893 | 9.99 99759 | **33 oo** |
| 10 | 28344 | 118 | 28585 | 360 | 71415 | 99759 | 90 |
| 20 | 34811 | 118 | 35053 | 360 | 64947 | 99758 | 80 |
| 30 | 41269 | 118 | 41511 | 361 | 58489 | 99757 | 70 |
| 40 | 47717 | 118 | 47960 | 361 | 52040 | 99757 | 60 |
| 50 | 54155 | 117 | 54399 | 362 | 45601 | 99756 | 50 |
| 60 | 60584 | 117 | 60829 | 362 | 39171 | 99755 | 40 |
| 70 | 67004 | 117 | 67249 | 362 | 32751 | 99754 | 30 |
| 80 | 73414 | 117 | 73660 | 363 | 26340 | 99754 | 20 |
| 90 | 79814 | 116 | 80061 | 363 | 19939 | 99753 | 10 |
| **68 oo** | 8.02 86205 | 8.1961 116 | 8.02 86453 | 8.1961 364 | 1.97 13547 | 9.99 99752 | **32 oo** |
| 10 | 92587 | 116 | 92836 | 364 | 07164 | 99752 | 90 |
| 20 | 8.02 98959 | 116 | 8.02 99209 | 365 | 1.97 00791 | 99751 | 80 |
| 30 | 8.03 05322 | 115 | 8.03 05572 | 365 | 1.96 94428 | 99750 | 70 |
| 40 | 11676 | 115 | 11927 | 366 | 88073 | 99749 | 60 |
| 50 | 18021 | 115 | 18272 | 366 | 81728 | 99749 | 50 |
| 60 | 24356 | 115 | 24608 | 367 | 75392 | 99748 | 40 |
| 70 | 30682 | 114 | 30935 | 367 | 69065 | 99747 | 30 |
| 80 | 36999 | 114 | 37252 | 368 | 62748 | 99746 | 20 |
| 90 | 43306 | 114 | 43561 | 368 | 56439 | 99746 | 10 |
| **69 oo** | 8.03 49605 | 8.1961 114 | 8.03 49860 | 8.1961 369 | 1.96 50140 | 9.99 99745 | **31 oo** |
| 10 | 55894 | 113 | 56150 | 369 | 43850 | 99744 | 90 |
| 20 | 62174 | 113 | 62431 | 370 | 37569 | 99743 | 80 |
| 30 | 68445 | 113 | 68703 | 370 | 31297 | 99743 | 70 |
| 40 | 74707 | 113 | 74966 | 371 | 25034 | 99742 | 60 |
| 50 | 80961 | 113 | 81219 | 371 | 18781 | 99741 | 50 |
| 60 | 87205 | 112 | 87464 | 372 | 12536 | 99740 | 40 |
| 70 | 93440 | 112 | 93700 | 372 | 06300 | 99740 | 30 |
| 80 | 8.03 99666 | 112 | 8.03 99927 | 373 | 1.96 00073 | 99739 | 20 |
| 90 | 8.04 05883 | 112 | 8.04 06145 | 373 | 1.95 93855 | 99738 | 10 |
| **70 oo** | 8.04 12092 | 8.1961 111 | 8.04 12354 | 8.1961 374 | 1.95 87646 | 9.99 99737 | **30 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 6209 | 1 | 6209 | 1 | 6209 | 1 | $99^g$ |

| $0^g$ c cc | 6199 | 0 | 6200 | 0 | 6200 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **70 oo** | 8.04 12092 | 8.1961 111 | 8.04 12354 | 8.1961 374 | 1.95 87646 | 9.99 99737 | **30 oo** |
| 10 | 18291 | 111 | 18554 | 374 | 81446 | 99737 | 90 |
| 20 | 24482 | 111 | 24746 | 375 | 75254 | 99736 | 80 |
| 30 | 30664 | 111 | 30929 | 375 | 69071 | 99735 | 70 |
| 40 | 36837 | 110 | 37102 | 376 | 62898 | 99734 | 60 |
| 50 | 43001 | 110 | 43267 | 376 | 56733 | 99734 | 50 |
| 60 | 49157 | 110 | 49424 | 377 | 50576 | 99733 | 40 |
| 70 | 55304 | 109 | 55571 | 377 | 44429 | 99732 | 30 |
| 80 | 61442 | 109 | 61710 | 378 | 38290 | 99731 | 20 |
| 90 | 67571 | 109 | 67841 | 378 | 32159 | 99731 | 10 |
| **71 oo** | 8.04 73692 | 8.1961 109 | 8.04 73962 | 8.1961 379 | 1.95 26038 | 9.99 99730 | **29 oo** |
| 10 | 79804 | 108 | 80075 | 379 | 19925 | 99729 | 90 |
| 20 | 85908 | 108 | 86180 | 380 | 13820 | 99728 | 80 |
| 30 | 92003 | 108 | 92276 | 380 | 07724 | 99728 | 70 |
| 40 | 8.04 98090 | 108 | 8.04 98363 | 381 | 1.95 01637 | 99727 | 60 |
| 50 | 8.05 04168 | 107 | 8.05 04442 | 381 | 1.94 95558 | 99726 | 50 |
| 60 | 10237 | 107 | 10512 | 382 | 89488 | 99725 | 40 |
| 70 | 16299 | 107 | 16574 | 382 | 83426 | 99725 | 30 |
| 80 | 22351 | 107 | 22627 | 383 | 77373 | 99724 | 20 |
| 90 | 28395 | 106 | 28672 | 383 | 71328 | 99723 | 10 |
| **72 oo** | 8.05 34431 | 8.1961 106 | 8.05 34709 | 8.1961 384 | 1.94 65291 | 9.99 99722 | **28 oo** |
| 10 | 40459 | 106 | 40737 | 384 | 59263 | 99721 | 90 |
| 20 | 46478 | 106 | 46757 | 385 | 53243 | 99721 | 80 |
| 30 | 52488 | 105 | 52768 | 385 | 47232 | 99720 | 70 |
| 40 | 58491 | 105 | 58772 | 386 | 41228 | 99719 | 60 |
| 50 | 64485 | 105 | 64767 | 387 | 35233 | 99718 | 50 |
| 60 | 70471 | 105 | 70753 | 387 | 29247 | 99718 | 40 |
| 70 | 76448 | 104 | 76732 | 388 | 23268 | 99717 | 30 |
| 80 | 82418 | 104 | 82702 | 388 | 17298 | 99716 | 20 |
| 90 | 88379 | 104 | 88664 | 389 | 11336 | 99715 | 10 |
| **73 oo** | 8.05 94332 | 8.1961 104 | 8.05 94618 | 8.1961 389 | 1.94 05382 | 9.99 99714 | **27 oo** |
| 10 | 8.06 00277 | 103 | 8.06 00563 | 390 | 1.93 99437 | 99714 | 90 |
| 20 | 06214 | 103 | 06501 | 390 | 93499 | 99713 | 80 |
| 30 | 12143 | 103 | 12430 | 391 | 87570 | 99712 | 70 |
| 40 | 18063 | 103 | 18352 | 391 | 81648 | 99711 | 60 |
| 50 | 23976 | 102 | 24265 | 392 | 75735 | 99711 | 50 |
| 60 | 29880 | 102 | 30170 | 392 | 69830 | 99710 | 40 |
| 70 | 35777 | 102 | 36068 | 393 | 63932 | 99709 | 30 |
| 80 | 41665 | 101 | 41957 | 393 | 58043 | 99708 | 20 |
| 90 | 47546 | 101 | 47838 | 394 | 52162 | 99707 | 10 |
| **74 oo** | 8.06 53418 | 8.1961 101 | 8.06 53712 | 8.1961 394 | 1.93 46288 | 9.99 99707 | **26 oo** |
| 10 | 59283 | 101 | 59577 | 395 | 40423 | 99706 | 90 |
| 20 | 65139 | 100 | 65434 | 395 | 34566 | 99705 | 80 |
| 30 | 70988 | 100 | 71284 | 396 | 28716 | 99704 | 70 |
| 40 | 76829 | 100 | 77126 | 396 | 22874 | 99703 | 60 |
| 50 | 82662 | 100 | 82960 | 397 | 17040 | 99703 | 50 |
| 60 | 88488 | 099 | 88786 | 398 | 11214 | 99702 | 40 |
| 70 | 8.06 94305 | 099 | 8.06 94604 | 398 | 1.93 05396 | 99701 | 30 |
| 80 | 8.07 00115 | 099 | 8.07 00415 | 399 | 1.92 99585 | 99700 | 20 |
| 90 | 05917 | 099 | 06217 | 399 | 93783 | 99699 | 10 |
| **75 oo** | 8.07 11711 | 8.1961 098 | 8.07 12012 | 8.1961 400 | 1.92 87988 | 9.99 99699 | **25 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 5794 | 1 | 5795 | 1 | 5795 | 1 | $99^g$ |

| $0^g$ c cc | 5786 | 0 | 5788 | 0 | 5788 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **75 oo** | 8.07 11711 | 8.1961 098 | 8.07 12012 | 8.1961 400 | 1.92 87988 | 9.99 99699 | **25 oo** |
| 10 | 17497 | 098 | 17800 | 400 | 82200 | 99698 | 90 |
| 20 | 23276 | 098 | 23579 | 401 | 76421 | 99697 | 80 |
| 30 | 29047 | 098 | 29351 | 401 | 70649 | 99696 | 70 |
| 40 | 34811 | 097 | 35115 | 402 | 64885 | 99695 | 60 |
| 50 | 40566 | 097 | 40872 | 402 | 59128 | 99695 | 50 |
| 60 | 46315 | 097 | 46621 | 403 | 53379 | 99694 | 40 |
| 70 | 52055 | 096 | 52362 | 403 | 47638 | 99693 | 30 |
| 80 | 57788 | 096 | 58096 | 404 | 41904 | 99692 | 20 |
| 90 | 63514 | 096 | 63822 | 405 | 36178 | 99691 | 10 |
| **76 oo** | 8.07 69232 | 8.1961 096 | 8.07 69541 | 8.1961 405 | 1.92 30459 | 9.99 99691 | **24 oo** |
| 10 | 74942 | 095 | 75252 | 406 | 24748 | 99690 | 90 |
| 20 | 80645 | 095 | 80956 | 406 | 19044 | 99689 | 80 |
| 30 | 86340 | 095 | 86652 | 407 | 13348 | 99688 | 70 |
| 40 | 92028 | 095 | 92341 | 407 | 07659 | 99687 | 60 |
| 50 | 8.07 97709 | 094 | 8.07 98022 | 408 | 1.92 01978 | 99686 | 50 |
| 60 | 8.08 03382 | 094 | 8.08 03696 | 408 | 1.91 96304 | 99686 | 40 |
| 70 | 09047 | 094 | 09363 | 409 | 90637 | 99685 | 30 |
| 80 | 14706 | 093 | 15022 | 409 | 84978 | 99684 | 20 |
| 90 | 20357 | 093 | 20673 | 410 | 79327 | 99683 | 10 |
| **77 oo** | 8.08 26000 | 8.1961 093 | 8.08 26318 | 8.1961 411 | 1.91 73682 | 9.99 99682 | **23 oo** |
| 10 | 31636 | 093 | 31955 | 411 | 68045 | 99681 | 90 |
| 20 | 37265 | 092 | 37585 | 412 | 62415 | 99681 | 80 |
| 30 | 42887 | 092 | 43207 | 412 | 56793 | 99680 | 70 |
| 40 | 48501 | 092 | 48822 | 413 | 51178 | 99679 | 60 |
| 50 | 54109 | 092 | 54430 | 413 | 45570 | 99678 | 50 |
| 60 | 59708 | 091 | 60031 | 414 | 39969 | 99677 | 40 |
| 70 | 65301 | 091 | 65625 | 414 | 34375 | 99677 | 30 |
| 80 | 70887 | 091 | 71211 | 415 | 28789 | 99676 | 20 |
| 90 | 76465 | 090 | 76790 | 416 | 23210 | 99675 | 10 |
| **78 oo** | 8.08 82036 | 8.1961 090 | 8.08 82362 | 8.1961 416 | 1.91 17638 | 9.99 99674 | **22 oo** |
| 10 | 87600 | 090 | 87927 | 417 | 12073 | 99673 | 90 |
| 20 | 93157 | 090 | 93485 | 417 | 06515 | 99672 | 80 |
| 30 | 8.08 98707 | 089 | 8.08 99035 | 418 | 1.91 00965 | 99672 | 70 |
| 40 | 8.09 04250 | 089 | 8.09 04579 | 418 | 1.90 95421 | 99671 | 60 |
| 50 | 09785 | 089 | 10115 | 419 | 89885 | 99670 | 50 |
| 60 | 15314 | 088 | 15645 | 419 | 84355 | 99669 | 40 |
| 70 | 20835 | 088 | 21167 | 420 | 78833 | 99668 | 30 |
| 80 | 26350 | 088 | 26683 | 421 | 73317 | 99667 | 20 |
| 90 | 31858 | 088 | 32191 | 421 | 67809 | 99666 | 10 |
| **79 oo** | 8.09 37358 | 8.1961 087 | 8.09 37693 | 8.1961 422 | 1.90 62307 | 9.99 99666 | **21 oo** |
| 10 | 42852 | 087 | 43187 | 422 | 56813 | 99665 | 90 |
| 20 | 48339 | 087 | 48675 | 423 | 51325 | 99664 | 80 |
| 30 | 53818 | 086 | 54155 | 423 | 45845 | 99663 | 70 |
| 40 | 59291 | 086 | 59629 | 424 | 40371 | 99662 | 60 |
| 50 | 64757 | 086 | 65096 | 425 | 34904 | 99661 | 50 |
| 60 | 70216 | 086 | 70556 | 425 | 29444 | 99661 | 40 |
| 70 | 75669 | 085 | 76009 | 426 | 23991 | 99660 | 30 |
| 80 | 81114 | 085 | 81455 | 426 | 18545 | 99659 | 20 |
| 90 | 86553 | 085 | 86895 | 427 | 13105 | 99658 | 10 |
| **80 oo** | 8.09 91984 | 8.1961 084 | 8.09 92327 | 8.1961 427 | 1.90 07673 | 9.99 99657 | **20 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 5431 | 1 | 5432 | 1 | 5432 | 1 | $99^g$ |

| $0^g$ c cc | 5425 | 0 | 5426 | 0 | 5426 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **80 oo** | 8.09 91984 | 8.1961 084 | 8.09 92327 | 8.1961 427 | 1.90 07673 | 9.99 99657 | **20 oo** |
| 10 | 8.09 97409 | 084 | 8.09 97753 | 428 | 1.90 02247 | 99656 | 90 |
| 20 | 8.10 02828 | 084 | 8.10 03172 | 429 | 1.89 96828 | 99655 | 80 |
| 30 | 08239 | 084 | 08585 | 429 | 91415 | 99655 | 70 |
| 40 | 13644 | 083 | 13990 | 430 | 86010 | 99654 | 60 |
| 50 | 19042 | 083 | 19389 | 430 | 80611 | 99653 | 50 |
| 60 | 24433 | 083 | 24781 | 431 | 75219 | 99652 | 40 |
| 70 | 29818 | 082 | 30167 | 431 | 69833 | 99651 | 30 |
| 80 | 35196 | 082 | 35546 | 432 | 64454 | 99650 | 20 |
| 90 | 40567 | 082 | 40918 | 433 | 59082 | 99649 | 10 |
| **81 oo** | 8.10 45932 | 8.1961 082 | 8.10 46283 | 8.1961 433 | 1.89 53717 | 9.99 99648 | **19 oo** |
| 10 | 51290 | 081 | 51642 | 434 | 48358 | 99648 | 90 |
| 20 | 56641 | 081 | 56995 | 434 | 43005 | 99647 | 80 |
| 30 | 61986 | 081 | 62340 | 435 | 37660 | 99646 | 70 |
| 40 | 67324 | 080 | 67680 | 435 | 32320 | 99645 | 60 |
| 50 | 72656 | 080 | 73012 | 436 | 26988 | 99644 | 50 |
| 60 | 77981 | 080 | 78338 | 437 | 21662 | 99643 | 40 |
| 70 | 83300 | 080 | 83658 | 437 | 16342 | 99642 | 30 |
| 80 | 88612 | 079 | 88971 | 438 | 11029 | 99641 | 20 |
| 90 | 93918 | 079 | 94277 | 438 | 05723 | 99641 | 10 |
| **82 oo** | 8.10 99217 | 8.1961 079 | 8.10 99577 | 8.1961 439 | 1.89 00423 | 9.99 99640 | **18 oo** |
| 10 | 8.11 04510 | 078 | 8.11 04871 | 440 | 1.88 95129 | 99639 | 90 |
| 20 | 09796 | 078 | 10158 | 440 | 89842 | 99638 | 80 |
| 30 | 15076 | 078 | 15439 | 441 | 84561 | 99637 | 70 |
| 40 | 20350 | 078 | 20713 | 441 | 79287 | 99636 | 60 |
| 50 | 25617 | 077 | 25981 | 442 | 74019 | 99635 | 50 |
| 60 | 30877 | 077 | 31243 | 442 | 68757 | 99634 | 40 |
| 70 | 36132 | 077 | 36498 | 443 | 63502 | 99634 | 30 |
| 80 | 41380 | 076 | 41747 | 444 | 58253 | 99633 | 20 |
| 90 | 46621 | 076 | 46990 | 444 | 53010 | 99632 | 10 |
| **83 oo** | 8.11 51857 | 8.1961 076 | 8.11 52226 | 8.1961 445 | 1.88 47774 | 9.99 99631 | **17 oo** |
| 10 | 57086 | 075 | 57456 | 445 | 42544 | 99630 | 90 |
| 20 | 62308 | 075 | 62679 | 446 | 37321 | 99629 | 80 |
| 30 | 67525 | 075 | 67897 | 447 | 32103 | 99628 | 70 |
| 40 | 72735 | 075 | 73108 | 447 | 26892 | 99627 | 60 |
| 50 | 77939 | 074 | 78313 | 448 | 21687 | 99626 | 50 |
| 60 | 83137 | 074 | 83511 | 448 | 16489 | 99626 | 40 |
| 70 | 88328 | 074 | 88704 | 449 | 11296 | 99625 | 30 |
| 80 | 93514 | 073 | 93890 | 450 | 06110 | 99624 | 20 |
| 90 | 8.11 98693 | 073 | 8.11 99070 | 450 | 1.88 00930 | 99623 | 10 |
| **84 oo** | 8.12 03866 | 8.1961 073 | 8.12 04244 | 8.1961 451 | 1.87 95756 | 9.99 99622 | **16 oo** |
| 10 | 09032 | 072 | 09411 | 451 | 90589 | 99621 | 90 |
| 20 | 14193 | 072 | 14573 | 452 | 85427 | 99620 | 80 |
| 30 | 19348 | 072 | 19728 | 453 | 80272 | 99619 | 70 |
| 40 | 24496 | 072 | 24878 | 453 | 75122 | 99618 | 60 |
| 50 | 29638 | 071 | 30021 | 454 | 69979 | 99617 | 50 |
| 60 | 34775 | 071 | 35158 | 454 | 64842 | 99617 | 40 |
| 70 | 39905 | 071 | 40289 | 455 | 59711 | 99616 | 30 |
| 80 | 45029 | 070 | 45414 | 456 | 54586 | 99615 | 20 |
| 90 | 50147 | 070 | 50533 | 456 | 49467 | 99614 | 10 |
| **85 oo** | 8.12 55259 | 8.1961 070 | 8.12 55646 | 8.1961 457 | 1.87 44354 | 9.99 99613 | **15 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 5112 | 1 | 5113 | 1 | 5113 | 1 | $99^g$ |

| $0^g$ c cc | 5106 | 0 | 5107 | 0 | 5107 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **85 oo** | 8.12 55259 | 8.1961 070 | 8.12 55646 | 8.1961 457 | 1.87 44354 | 9.99 99613 | **15 oo** |
| 10 | 60365 | 069 | 60753 | 457 | 39247 | 99612 | 90 |
| 20 | 65465 | 069 | 65854 | 458 | 34146 | 99611 | 80 |
| 30 | 70559 | 069 | 70949 | 459 | 29051 | 99610 | 70 |
| 40 | 75647 | 069 | 76038 | 459 | 23962 | 99609 | 60 |
| 50 | 80729 | 068 | 81121 | 460 | 18879 | 99608 | 50 |
| 60 | 85806 | 068 | 86198 | 461 | 13802 | 99607 | 40 |
| 70 | 90876 | 068 | 91269 | 461 | 08731 | 99606 | 30 |
| 80 | 8.12 95940 | 067 | 8.12 96335 | 462 | 1.87 03665 | 99606 | 20 |
| 90 | 8.13 00999 | 067 | 8.13 01394 | 462 | 1.86 98606 | 99605 | 10 |
| **86 oo** | 8.13 06051 | 8.1961 067 | 8.13 06447 | 8.1961 463 | 1.86 93553 | 9.99 99604 | **14 oo** |
| 10 | 11098 | 066 | 11495 | 464 | 88505 | 99603 | 90 |
| 20 | 16139 | 066 | 16537 | 464 | 83463 | 99602 | 80 |
| 30 | 21174 | 066 | 21573 | 465 | 78427 | 99601 | 70 |
| 40 | 26203 | 065 | 26603 | 465 | 73397 | 99600 | 60 |
| 50 | 31226 | 065 | 31627 | 466 | 68373 | 99599 | 50 |
| 60 | 36244 | 065 | 36646 | 467 | 63354 | 99598 | 40 |
| 70 | 41255 | 065 | 41658 | 467 | 58342 | 99597 | 30 |
| 80 | 46261 | 064 | 46665 | 468 | 53335 | 99596 | 20 |
| 90 | 51262 | 064 | 51666 | 469 | 48334 | 99595 | 10 |
| **87 oo** | 8.13 56256 | 8.1961 064 | 8.13 56662 | 8.1961 469 | 1.86 43338 | 9.99 99594 | **13 oo** |
| 10 | 61245 | 063 | 61651 | 470 | 38349 | 99594 | 90 |
| 20 | 66228 | 063 | 66635 | 470 | 33365 | 99593 | 80 |
| 30 | 71205 | 063 | 71613 | 471 | 28387 | 99592 | 70 |
| 40 | 76177 | 062 | 76586 | 472 | 23414 | 99591 | 60 |
| 50 | 81143 | 062 | 81553 | 472 | 18447 | 99590 | 50 |
| 60 | 86103 | 062 | 86514 | 473 | 13486 | 99589 | 40 |
| 70 | 91057 | 061 | 91469 | 474 | 08531 | 99588 | 30 |
| 80 | 8.13 96006 | 061 | 8.13 96419 | 474 | 1.86 03581 | 99587 | 20 |
| 90 | 8.14 00950 | 061 | 8.14 01364 | 475 | 1.85 98636 | 99586 | 10 |
| **88 oo** | 8.14 05887 | 8.1961 060 | 8.14 06302 | 8.1961 475 | 1.85 93698 | 9.99 99585 | **12 oo** |
| 10 | 10819 | 060 | 11235 | 476 | 88765 | 99584 | 90 |
| 20 | 15746 | 060 | 16163 | 477 | 83837 | 99583 | 80 |
| 30 | 20667 | 060 | 21084 | 477 | 78916 | 99582 | 70 |
| 40 | 25582 | 059 | 26001 | 478 | 73999 | 99581 | 60 |
| 50 | 30492 | 059 | 30911 | 479 | 69089 | 99580 | 50 |
| 60 | 35396 | 059 | 35816 | 479 | 64184 | 99579 | 40 |
| 70 | 40294 | 058 | 40716 | 480 | 59284 | 99578 | 30 |
| 80 | 45188 | 058 | 45610 | 480 | 54390 | 99577 | 20 |
| 90 | 50075 | 058 | 50499 | 481 | 49501 | 99577 | 10 |
| **89 oo** | 8.14 54957 | 8.1961 057 | 8.14 55382 | 8.1961 482 | 1.85 44618 | 9.99 99576 | **11 oo** |
| 10 | 59834 | 057 | 60259 | 482 | 39741 | 99575 | 90 |
| 20 | 64705 | 057 | 65132 | 483 | 34868 | 99574 | 80 |
| 30 | 69571 | 056 | 69998 | 484 | 30002 | 99573 | 70 |
| 40 | 74431 | 056 | 74859 | 484 | 25141 | 99572 | 60 |
| 50 | 79286 | 056 | 79715 | 485 | 20285 | 99571 | 50 |
| 60 | 84135 | 055 | 84566 | 486 | 15434 | 99570 | 40 |
| 70 | 88979 | 055 | 89411 | 486 | 10589 | 99569 | 30 |
| 80 | 93818 | 055 | 94250 | 487 | 05750 | 99568 | 20 |
| 90 | 8.14 98651 | 054 | 8.14 99084 | 487 | 1.85 00916 | 99567 | 10 |
| **90 oo** | 8.15 03479 | 8.1961 054 | 8.15 03913 | 8.1961 488 | 1.84 96087 | 9.99 99566 | **10 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 4828 | 1 | 4829 | 1 | 4829 | 1 | $99^g$ |

| $0^g$ c cc | 4823 | 0 | 4824 | 0 | 4824 | 0 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **90 oo** | 8.15 03479 | 8.1961 054 | 8.15 03913 | 8.1961 488 | 1.84 96087 | 9.99 99566 | **10 oo** |
| 10 | 08302 | 054 | 08737 | 489 | 91263 | 99565 | 90 |
| 20 | 13119 | 053 | 13555 | 489 | 86445 | 99564 | 80 |
| 30 | 17931 | 053 | 18368 | 490 | 81632 | 99563 | 70 |
| 40 | 22737 | 053 | 23175 | 491 | 76825 | 99562 | 60 |
| 50 | 27538 | 052 | 27977 | 491 | 72023 | 99561 | 50 |
| 60 | 32334 | 052 | 32774 | 492 | 67226 | 99560 | 40 |
| 70 | 37125 | 052 | 37565 | 493 | 62435 | 99559 | 30 |
| 80 | 41910 | 052 | 42352 | 493 | 57648 | 99558 | 20 |
| 90 | 46690 | 051 | 47133 | 494 | 52867 | 99557 | 10 |
| **91 oo** | 8.15 51465 | 8.1961 051 | 8.15 51908 | 8.1961 495 | 1.84 48092 | 9.99 99556 | **09 oo** |
| 10 | 56234 | 051 | 56679 | 495 | 43321 | 99555 | 90 |
| 20 | 60999 | 050 | 61444 | 496 | 38556 | 99554 | 80 |
| 30 | 65758 | 050 | 66204 | 497 | 33796 | 99553 | 70 |
| 40 | 70512 | 050 | 70959 | 497 | 29041 | 99552 | 60 |
| 50 | 75260 | 049 | 75709 | 498 | 24291 | 99551 | 50 |
| 60 | 80004 | 049 | 80453 | 498 | 19547 | 99550 | 40 |
| 70 | 84742 | 049 | 85193 | 499 | 14807 | 99549 | 30 |
| 80 | 89475 | 048 | 89927 | 500 | 10073 | 99548 | 20 |
| 90 | 94203 | 048 | 94656 | 500 | 05344 | 99547 | 10 |
| **92 oo** | 8.15 98926 | 8.1961 048 | 8.15 99379 | 8.1961 501 | 1.84 00621 | 9.99 99546 | **08 oo** |
| 10 | 8.16 03644 | 047 | 8.16 04098 | 502 | 1.83 95902 | 99546 | 90 |
| 20 | 08356 | 047 | 08812 | 502 | 91188 | 99545 | 80 |
| 30 | 13064 | 047 | 13520 | 503 | 86480 | 99544 | 70 |
| 40 | 17766 | 046 | 18223 | 504 | 81777 | 99543 | 60 |
| 50 | 22463 | 046 | 22922 | 504 | 77078 | 99542 | 50 |
| 60 | 27155 | 046 | 27615 | 505 | 72385 | 99541 | 40 |
| 70 | 31843 | 045 | 32303 | 506 | 67697 | 99540 | 30 |
| 80 | 36525 | 045 | 36986 | 506 | 63014 | 99539 | 20 |
| 90 | 41202 | 045 | 41664 | 507 | 58336 | 99538 | 10 |
| **93 oo** | 8.16 45874 | 8.1961 044 | 8.16 46337 | 8.1961 508 | 1.83 53663 | 9.99 99537 | **07 oo** |
| 10 | 50541 | 044 | 51005 | 508 | 48995 | 99536 | 90 |
| 20 | 55203 | 044 | 55668 | 509 | 44332 | 99535 | 80 |
| 30 | 59860 | 043 | 60326 | 510 | 39674 | 99534 | 70 |
| 40 | 64512 | 043 | 64979 | 510 | 35021 | 99533 | 60 |
| 50 | 69159 | 043 | 69627 | 511 | 30373 | 99532 | 50 |
| 60 | 73801 | 042 | 74270 | 512 | 25730 | 99531 | 40 |
| 70 | 78438 | 042 | 78908 | 512 | 21092 | 99530 | 30 |
| 80 | 83070 | 042 | 83541 | 513 | 16459 | 99529 | 20 |
| 90 | 87697 | 041 | 88170 | 514 | 11830 | 99528 | 10 |
| **94 oo** | 8.16 92319 | 8.1961 041 | 8.16 92793 | 8.1961 514 | 1.83 07207 | 9.99 99527 | **06 oo** |
| 10 | 8.16 96937 | 041 | 8.16 97411 | 515 | 1.83 02589 | 99526 | 90 |
| 20 | 8.17 01549 | 040 | 8.17 02025 | 516 | 1.82 97975 | 99525 | 80 |
| 30 | 06157 | 040 | 06633 | 516 | 93367 | 99524 | 70 |
| 40 | 10760 | 040 | 11237 | 517 | 88763 | 99523 | 60 |
| 50 | 15357 | 039 | 15836 | 518 | 84164 | 99522 | 50 |
| 60 | 19950 | 039 | 20430 | 518 | 79570 | 99520 | 40 |
| 70 | 24538 | 039 | 25019 | 519 | 74981 | 99519 | 30 |
| 80 | 29122 | 038 | 29603 | 520 | 70397 | 99518 | 20 |
| 90 | 33700 | 038 | 34183 | 520 | 65817 | 99517 | 10 |
| **95 oo** | 8.17 38274 | 8.1961 038 | 8.17 38757 | 8.1961 521 | 1.82 61243 | 9.99 99516 | **05 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 4574 | 1 | 4574 | 1 | 4574 | 2 | $99^g$ |

| $0^g$ c cc | 4568 | 0 | 4570 | 0 | 4570 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **95 oo** | 8.17 38274 | 8.1961 038 | 8.17 38757 | 8.1961 521 | 1.82 61243 | 9.99 99516 | **05 oo** |
| 10 | 42842 | 037 | 43327 | 522 | 56673 | 99515 | 90 |
| 20 | 47406 | 037 | 47892 | 523 | 52108 | 99514 | 80 |
| 30 | 51966 | 037 | 52452 | 523 | 47548 | 99513 | 70 |
| 40 | 56520 | 036 | 57008 | 524 | 42992 | 99512 | 60 |
| 50 | 61070 | 036 | 61558 | 525 | 38442 | 99511 | 50 |
| 60 | 65614 | 036 | 66104 | 525 | 33896 | 99510 | 40 |
| 70 | 70155 | 035 | 70645 | 526 | 29355 | 99509 | 30 |
| 80 | 74690 | 035 | 75182 | 527 | 24818 | 99508 | 20 |
| 90 | 79221 | 035 | 79713 | 527 | 20287 | 99507 | 10 |
| **96 oo** | 8.17 83747 | 8.1961 034 | 8.17 84240 | 8.1961 528 | 1.82 15760 | 9.99 99506 | **04 oo** |
| 10 | 88268 | 034 | 88763 | 529 | 11237 | 99505 | 90 |
| 20 | 92784 | 033 | 93280 | 529 | 06720 | 99504 | 80 |
| 30 | 8.17 97296 | 033 | 8.17 97793 | 530 | 1.82 02207 | 99503 | 70 |
| 40 | 8.18 01803 | 033 | 8.18 02301 | 531 | 1.81 97699 | 99502 | 60 |
| 50 | 06306 | 032 | 06805 | 531 | 93195 | 99501 | 50 |
| 60 | 10803 | 032 | 11303 | 532 | 88697 | 99500 | 40 |
| 70 | 15297 | 032 | 15798 | 533 | 84202 | 99499 | 30 |
| 80 | 19785 | 031 | 20287 | 533 | 79713 | 99498 | 20 |
| 90 | 24269 | 031 | 24772 | 534 | 75228 | 99497 | 10 |
| **97 oo** | 8.18 28748 | 8.1961 031 | 8.18 29252 | 8.1961 535 | 1.81 70748 | 9.99 99496 | **03 oo** |
| 10 | 33223 | 030 | 33728 | 536 | 66272 | 99495 | 90 |
| 20 | 37693 | 030 | 38199 | 536 | 61801 | 99494 | 80 |
| 30 | 42158 | 030 | 42665 | 537 | 57335 | 99493 | 70 |
| 40 | 46619 | 029 | 47127 | 538 | 52873 | 99492 | 60 |
| 50 | 51075 | 029 | 51585 | 538 | 48415 | 99491 | 50 |
| 60 | 55527 | 029 | 56037 | 539 | 43963 | 99490 | 40 |
| 70 | 59974 | 028 | 60485 | 540 | 39515 | 99489 | 30 |
| 80 | 64416 | 028 | 64929 | 540 | 35071 | 99488 | 20 |
| 90 | 68855 | 028 | 69368 | 541 | 30632 | 99486 | 10 |
| **98 oo** | 8.18 73288 | 8.1961 027 | 8.18 73803 | 8.1961 542 | 1.81 26197 | 9.99 99485 | **02 oo** |
| 10 | 77717 | 027 | 78233 | 543 | 21767 | 99484 | 90 |
| 20 | 82141 | 027 | 82658 | 543 | 17342 | 99483 | 80 |
| 30 | 86561 | 026 | 87079 | 544 | 12921 | 99482 | 70 |
| 40 | 90977 | 026 | 91496 | 545 | 08504 | 99481 | 60 |
| 50 | 95388 | 025 | 8.18 95908 | 545 | 1.81 04092 | 99480 | 50 |
| 60 | 8.18 99794 | 025 | 8.19 00315 | 546 | 1.80 99685 | 99479 | 40 |
| 70 | 8.19 04196 | 025 | 04718 | 547 | 95282 | 99478 | 30 |
| 80 | 08594 | 024 | 09117 | 547 | 90883 | 99477 | 20 |
| 90 | 12987 | 024 | 13511 | 548 | 86489 | 99476 | 10 |
| **99 oo** | 8.19 17376 | 8.1961 024 | 8.19 17901 | 8.1961 549 | 1.80 82099 | 9.99 99475 | **01 oo** |
| 10 | 21760 | 023 | 22286 | 550 | 77714 | 99474 | 90 |
| 20 | 26140 | 023 | 26667 | 550 | 73333 | 99473 | 80 |
| 30 | 30515 | 023 | 31043 | 551 | 68957 | 99472 | 70 |
| 40 | 34886 | 022 | 35416 | 552 | 64584 | 99471 | 60 |
| 50 | 39253 | 022 | 39783 | 552 | 60217 | 99470 | 50 |
| 60 | 43615 | 022 | 44147 | 553 | 55853 | 99468 | 40 |
| 70 | 47973 | 021 | 48505 | 554 | 51495 | 99467 | 30 |
| 80 | 52326 | 021 | 52860 | 555 | 47140 | 99466 | 20 |
| 90 | 56675 | 021 | 57210 | 555 | 42790 | 99465 | 10 |
| **100 oo** | 8.19 61020 | 8.1961 020 | 8.19 61556 | 8.1961 556 | 1.80 38444 | 9.99 99464 | **00 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $99^g$ |
| | 4345 | 1 | 4346 | 1 | 4346 | 2 | |

| $1^g$ c cc | 4341 log sin | 0 S | 4341 log tg | 0 T | 4341 log ctg | 1 log cos | |
|---|---|---|---|---|---|---|---|
| **00 oo** | 8.19 61020 | 8.1961 020 | 8.19 61556 | 8.1961 556 | 1.80 38444 | 9.99 99464 | **100 oo** |
| 10 | 65361 | 020 | 65897 | 557 | 34103 | 99463 | 90 |
| 20 | 69697 | 019 | 70235 | 557 | 29765 | 99462 | 80 |
| 30 | 74028 | 019 | 74567 | 558 | 25433 | 99461 | 70 |
| 40 | 78356 | 019 | 78896 | 559 | 21104 | 99460 | 60 |
| 50 | 82679 | 018 | 83220 | 560 | 16780 | 99459 | 50 |
| 60 | 86998 | 018 | 87540 | 560 | 12460 | 99458 | 40 |
| 70 | 91312 | 018 | 91856 | 561 | 08144 | 99457 | 30 |
| 80 | 95623 | 017 | 8.19 96167 | 562 | 1.80 03833 | 99456 | 20 |
| 90 | 8.19 99929 | 017 | 8.20 00474 | 562 | 1.79 99526 | 99455 | 10 |
| **01 oo** | 8.20 04230 | 8.1961 017 | 8.20 04777 | 8.1961 563 | 1.79 95223 | 9.99 99453 | **99 oo** |
| 10 | 08528 | 016 | 09075 | 564 | 90925 | 99452 | 90 |
| 20 | 12821 | 016 | 13370 | 565 | 86630 | 99451 | 80 |
| 30 | 17110 | 015 | 17660 | 565 | 82340 | 99450 | 70 |
| 40 | 21395 | 015 | 21946 | 566 | 78054 | 99449 | 60 |
| 50 | 25675 | 015 | 26227 | 567 | 73773 | 99448 | 50 |
| 60 | 29951 | 014 | 30505 | 568 | 69495 | 99447 | 40 |
| 70 | 34224 | 014 | 34778 | 568 | 65222 | 99446 | 30 |
| 80 | 38491 | 014 | 39047 | 569 | 60953 | 99445 | 20 |
| 90 | 42755 | 013 | 43312 | 570 | 56688 | 99444 | 10 |
| **02 oo** | 8.20 47015 | 8.1961 013 | 8.20 47572 | 8.1961 570 | 1.79 52428 | 9.99 99443 | **98 oo** |
| 10 | 51270 | 013 | 51829 | 571 | 48171 | 99441 | 90 |
| 20 | 55521 | 012 | 56081 | 572 | 43919 | 99440 | 80 |
| 30 | 59768 | 012 | 60329 | 573 | 39671 | 99439 | 70 |
| 40 | 64011 | 011 | 64573 | 573 | 35427 | 99438 | 60 |
| 50 | 68250 | 011 | 68813 | 574 | 31187 | 99437 | 50 |
| 60 | 72484 | 011 | 73048 | 575 | 26952 | 99436 | 40 |
| 70 | 76715 | 010 | 77280 | 576 | 22720 | 99435 | 30 |
| 80 | 80941 | 010 | 81507 | 576 | 18493 | 99434 | 20 |
| 90 | 85163 | 010 | 85731 | 577 | 14269 | 99433 | 10 |
| **03 oo** | 8.20 89382 | 8.1961 009 | 8.20 89950 | 8.1961 578 | 1.79 10050 | 9.99 99432 | **97 oo** |
| 10 | 93596 | 009 | 94165 | 578 | 05835 | 99430 | 90 |
| 20 | 8.20 97806 | 009 | 8.20 98376 | 579 | 1.79 01624 | 99429 | 80 |
| 30 | 8.21 02011 | 008 | 8.21 02583 | 580 | 1.78 97417 | 99428 | 70 |
| 40 | 06213 | 008 | 06786 | 581 | 93214 | 99427 | 60 |
| 50 | 10411 | 007 | 10985 | 581 | 89015 | 99426 | 50 |
| 60 | 14605 | 007 | 15180 | 582 | 84820 | 99425 | 40 |
| 70 | 18794 | 007 | 19370 | 583 | 80630 | 99424 | 30 |
| 80 | 22980 | 006 | 23557 | 584 | 76443 | 99423 | 20 |
| 90 | 27161 | 006 | 27740 | 584 | 72260 | 99422 | 10 |
| **04 oo** | 8.21 31339 | 8.1961 006 | 8.21 31919 | 8.1961 585 | 1.78 68081 | 9.99 99420 | **96 oo** |
| 10 | 35513 | 005 | 36093 | 586 | 63907 | 99419 | 90 |
| 20 | 39682 | 005 | 40264 | 587 | 59736 | 99418 | 80 |
| 30 | 43848 | 004 | 44430 | 587 | 55570 | 99417 | 70 |
| 40 | 48009 | 004 | 48593 | 588 | 51407 | 99416 | 60 |
| 50 | 52167 | 004 | 52752 | 589 | 47248 | 99415 | 50 |
| 60 | 56320 | 003 | 56906 | 590 | 43094 | 99414 | 40 |
| 70 | 60470 | 003 | 61057 | 590 | 38943 | 99413 | 30 |
| 80 | 64615 | 003 | 65204 | 591 | 34796 | 99412 | 20 |
| 90 | 68757 | 002 | 69347 | 592 | 30653 | 99410 | 10 |
| **05 oo** | 8.21 72895 | 8.1961 002 | 8.21 73486 | 8.1961 593 | 1.78 26514 | 9.99 99409 | **95 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $98^g$ |
| | 4138 | 1 | 4139 | 1 | 4139 | 2 | |

| | 4341 | 4328 | 4316 | 4303 | 4291 | 4278 | 4265 | 4253 | 4240 | 4227 | 4215 | 4202 | 4190 | 4177 | 4164 | 4152 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 434,1 | 432,8 | 431,6 | 430,3 | 429,1 | 427,8 | 426,5 | 425,3 | 424,0 | 422,7 | 421,5 | 420,2 | 419,0 | 417,7 | 416,4 | 415,2 | 1 |
| 2 | 868,2 | 865,6 | 863,2 | 860,6 | 858,2 | 855,6 | 853,0 | 850,6 | 848,0 | 845,4 | 843,0 | 840,4 | 838,0 | 835,4 | 832,8 | 830,4 | 2 |
| 3 | 1302,3 | 1298,4 | 1294,8 | 1290,9 | 1287,3 | 1283,4 | 1279,5 | 1275,9 | 1272,0 | 1268,1 | 1264,5 | 1260,6 | 1257,0 | 1253,1 | 1249,2 | 1245,6 | 3 |
| 4 | 1736,4 | 1731,2 | 1726,4 | 1721,2 | 1716,4 | 1711,2 | 1706,0 | 1701,2 | 1696,0 | 1690,8 | 1686,0 | 1680,8 | 1676,0 | 1670,8 | 1665,6 | 1660,8 | 4 |
| 5 | 2170,5 | 2164,0 | 2158,0 | 2151,5 | 2145,5 | 2139,0 | 2132,5 | 2126,5 | 2120,0 | 2113,5 | 2107,5 | 2101,0 | 2095,0 | 2088,5 | 2082,0 | 2076,0 | 5 |
| 6 | 2604,6 | 2596,8 | 2589,6 | 2581,8 | 2574,6 | 2566,8 | 2559,0 | 2551,8 | 2544,0 | 2536,2 | 2529,0 | 2521,2 | 2514,0 | 2506,2 | 2498,4 | 2491,2 | 6 |
| 7 | 3038,7 | 3029,6 | 3021,2 | 3012,1 | 3003,7 | 2994,6 | 2985,5 | 2977,1 | 2968,0 | 2958,9 | 2950,5 | 2941,4 | 2933,0 | 2923,9 | 2914,8 | 2906,4 | 7 |
| 8 | 3472,8 | 3462,4 | 3452,8 | 3442,4 | 3432,8 | 3422,4 | 3412,0 | 3402,4 | 3392,0 | 3381,6 | 3372,0 | 3361,6 | 3352,0 | 3341,6 | 3331,2 | 3321,6 | 8 |
| 9 | 3906,9 | 3895,2 | 3884,4 | 3872,7 | 3861,9 | 3850,2 | 3838,5 | 3827,7 | 3816,0 | 3804,3 | 3793,5 | 3781,8 | 3771,0 | 3759,3 | 3747,6 | 3736,8 | 9 |

| 1g c cc | 4134 | 0 | 4135 | 0 | 4135 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **05 oo** | 8.21 72895 | 8.1961 002 | 8.21 73486 | 8.1961 593 | 1.78 26514 | 9.99 99409 | **95 oo** |
| 10 | 77029 | 001 | 77621 | 593 | 22379 | 99408 | 90 |
| 20 | 81159 | 001 | 81752 | 594 | 18248 | 99407 | 80 |
| 30 | 85284 | 001 | 85879 | 595 | 14121 | 99406 | 70 |
| 40 | 89406 | 000 | 90002 | 596 | 09998 | 99405 | 60 |
| 50 | 93525 | 000 | 94121 | 596 | 05879 | 99404 | 50 |
| 60 | 8.21 97639 | 8.1961 000 | 8.21 98236 | 597 | 1.78 01764 | 99402 | 40 |
| 70 | 8.22 01749 | 8.1960 999 | 8.22 02348 | 598 | 1.77 97652 | 99401 | 30 |
| 80 | 05856 | 999 | 06455 | 599 | 93545 | 99400 | 20 |
| 90 | 09958 | 998 | 10559 | 599 | 89441 | 99399 | 10 |
| **06 oo** | 8.22 14057 | 8.1960 998 | 8.22 14659 | 8.1961 600 | 1.77 85341 | 9.99 99398 | **94 oo** |
| 10 | 18152 | 998 | 18755 | 601 | 81245 | 99397 | 90 |
| 20 | 22243 | 997 | 22847 | 602 | 77153 | 99396 | 80 |
| 30 | 26330 | 997 | 26935 | 602 | 73065 | 99395 | 70 |
| 40 | 30413 | 997 | 31019 | 603 | 68981 | 99393 | 60 |
| 50 | 34492 | 996 | 35100 | 604 | 64900 | 99392 | 50 |
| 60 | 38568 | 996 | 39177 | 605 | 60823 | 99391 | 40 |
| 70 | 42640 | 995 | 43250 | 605 | 56750 | 99390 | 30 |
| 80 | 46708 | 995 | 47319 | 606 | 52681 | 99389 | 20 |
| 90 | 50772 | 995 | 51384 | 607 | 48616 | 99388 | 10 |
| **07 oo** | 8.22 54832 | 8.1960 994 | 8.22 55446 | 8.1961 608 | 1.77 44554 | 9.99 99387 | **93 oo** |
| 10 | 58889 | 994 | 59503 | 609 | 40497 | 99385 | 90 |
| 20 | 62941 | 994 | 63557 | 609 | 36443 | 99384 | 80 |
| 30 | 66990 | 993 | 67607 | 610 | 32393 | 99383 | 70 |
| 40 | 71036 | 993 | 71654 | 611 | 28346 | 99382 | 60 |
| 50 | 75077 | 992 | 75696 | 612 | 24304 | 99381 | 50 |
| 60 | 79115 | 992 | 79735 | 612 | 20265 | 99380 | 40 |
| 70 | 83149 | 992 | 83770 | 613 | 16230 | 99378 | 30 |
| 80 | 87179 | 991 | 87801 | 614 | 12199 | 99377 | 20 |
| 90 | 91205 | 991 | 91829 | 615 | 08171 | 99376 | 10 |
| **08 oo** | 8.22 95228 | 8.1960 990 | 8.22 95853 | 8.1961 615 | 1.77 04147 | 9.99 99375 | **92 oo** |
| 10 | 8.22 99247 | 990 | 8.22 99873 | 616 | 1.77 00127 | 99374 | 90 |
| 20 | 8.23 03262 | 990 | 8.23 03890 | 617 | 1.76 96110 | 99373 | 80 |
| 30 | 07274 | 989 | 07902 | 618 | 92098 | 99372 | 70 |
| 40 | 11282 | 989 | 11911 | 619 | 88089 | 99370 | 60 |
| 50 | 15286 | 989 | 15917 | 619 | 84083 | 99369 | 50 |
| 60 | 19286 | 988 | 19918 | 620 | 80082 | 99368 | 40 |
| 70 | 23283 | 988 | 23916 | 621 | 76084 | 99367 | 30 |
| 80 | 27276 | 987 | 27911 | 622 | 72089 | 99366 | 20 |
| 90 | 31266 | 987 | 31901 | 622 | 68099 | 99365 | 10 |
| **09 oo** | 8.23 35252 | 8.1960 987 | 8.23 35888 | 8.1961 623 | 1.76 64112 | 9.99 99363 | **91 oo** |
| 10 | 39234 | 986 | 39871 | 624 | 60129 | 99362 | 90 |
| 20 | 43212 | 986 | 43851 | 625 | 56149 | 99361 | 80 |
| 30 | 47187 | 985 | 47827 | 626 | 52173 | 99360 | 70 |
| 40 | 51158 | 985 | 51800 | 626 | 48200 | 99359 | 60 |
| 50 | 55126 | 985 | 55768 | 627 | 44232 | 99358 | 50 |
| 60 | 59090 | 984 | 59733 | 628 | 40267 | 99356 | 40 |
| 70 | 63050 | 984 | 63695 | 629 | 36305 | 99355 | 30 |
| 80 | 67007 | 983 | 67653 | 629 | 32347 | 99354 | 20 |
| 90 | 70960 | 983 | 71607 | 630 | 28393 | 99353 | 10 |
| **10 oo** | 8.23 74910 | 8.1960 983 | 8.23 75558 | 8.1961 631 | 1.76 24442 | 9.99 99352 | **90 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 3950 | 1 | 3951 | 1 | 3951 | 2 | 98g |

| | 4139 | 4127 | 4114 | 4101 | 4089 | 4076 | 4064 | 4051 | 4038 | 4026 | 4013 | 4000 | 3988 | 3975 | 3963 | 3950 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 413,9 | 412,7 | 411,4 | 410,1 | 408,9 | 407,6 | 406,4 | 405,1 | 403,8 | 402,6 | 401,3 | 400,0 | 398,8 | 397,5 | 396,3 | 395,0 | 1 |
| 2 | 827,8 | 825,4 | 822,8 | 820,2 | 817,8 | 815,2 | 812,8 | 810,2 | 807,6 | 805,2 | 802,6 | 800,0 | 797,6 | 795,0 | 792,6 | 790,0 | 2 |
| 3 | 1241,7 | 1238,1 | 1234,2 | 1230,3 | 1226,7 | 1222,8 | 1219,2 | 1215,3 | 1211,4 | 1207,8 | 1203,9 | 1200,0 | 1196,4 | 1192,5 | 1188,9 | 1185,0 | 3 |
| 4 | 1655,6 | 1650,8 | 1645,6 | 1640,4 | 1635,6 | 1630,4 | 1625,6 | 1620,4 | 1615,2 | 1610,4 | 1605,2 | 1600,0 | 1595,2 | 1590,0 | 1585,2 | 1580,0 | 4 |
| 5 | 2069,5 | 2063,5 | 2057,0 | 2050,5 | 2044,5 | 2038,0 | 2032,0 | 2025,5 | 2019,0 | 2013,0 | 2006,5 | 2000,0 | 1994,0 | 1987,5 | 1981,5 | 1975,0 | 5 |
| 6 | 2483,4 | 2476,2 | 2468,4 | 2460,6 | 2453,4 | 2445,6 | 2438,4 | 2430,6 | 2422,8 | 2415,6 | 2407,8 | 2400,0 | 2392,8 | 2385,0 | 2377,8 | 2370,0 | 6 |
| 7 | 2897,3 | 2888,9 | 2879,8 | 2870,7 | 2862,3 | 2853,2 | 2844,8 | 2835,7 | 2826,6 | 2818,2 | 2809,1 | 2800,0 | 2791,6 | 2782,5 | 2774,1 | 2765,0 | 7 |
| 8 | 3311,2 | 3301,6 | 3291,2 | 3280,8 | 3271,2 | 3260,8 | 3251,2 | 3240,8 | 3230,4 | 3220,8 | 3210,4 | 3200,0 | 3190,4 | 3180,0 | 3170,4 | 3160,0 | 8 |
| 9 | 3725,1 | 3714,3 | 3702,6 | 3690,9 | 3680,1 | 3668,4 | 3657,6 | 3645,9 | 3634,2 | 3623,4 | 3611,7 | 3600,0 | 3589,2 | 3577,5 | 3566,7 | 3555,0 | 9 |

| 1g c cc | 3945 | 0 | 3947 | 0 | 3947 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **10 oo** | 8.23 74910 | 8.1960 983 | 8.23 75558 | 8.1961 631 | 1.76 24442 | 9.99 99352 | **90 oo** |
| 10 | 78855 | 982 | 79505 | 632 | 20495 | 99350 | 90 |
| 20 | 82798 | 982 | 83449 | 633 | 16551 | 99349 | 80 |
| 30 | 86737 | 981 | 87388 | 633 | 12612 | 99348 | 70 |
| 40 | 90672 | 981 | 91325 | 634 | 08675 | 99347 | 60 |
| 50 | 94603 | 981 | 95258 | 635 | 04742 | 99346 | 50 |
| 60 | 8.23 98532 | 980 | 8.23 99187 | 636 | 1.76 00813 | 99345 | 40 |
| 70 | 8.24 02456 | 980 | 8.24 03113 | 637 | 1.75 96887 | 99343 | 30 |
| 80 | 06377 | 980 | 07035 | 637 | 92965 | 99342 | 20 |
| 90 | 10295 | 979 | 10954 | 638 | 89046 | 99341 | 10 |
| **11 oo** | 8.24 14209 | 8.1960 979 | 8.24 14869 | 8.1961 639 | 1.75 85131 | 9.99 99340 | **89 oo** |
| 10 | 18119 | 978 | 18780 | 640 | 81220 | 99339 | 90 |
| 20 | 22026 | 978 | 22688 | 640 | 77312 | 99337 | 80 |
| 30 | 25929 | 978 | 26593 | 641 | 73407 | 99336 | 70 |
| 40 | 29829 | 977 | 30494 | 642 | 69506 | 99335 | 60 |
| 50 | 33725 | 977 | 34392 | 643 | 65608 | 99334 | 50 |
| 60 | 37618 | 976 | 38286 | 644 | 61714 | 99333 | 40 |
| 70 | 41508 | 976 | 42176 | 644 | 57824 | 99331 | 30 |
| 80 | 45394 | 976 | 46063 | 645 | 53937 | 99330 | 20 |
| 90 | 49276 | 975 | 49947 | 646 | 50053 | 99329 | 10 |
| **12 oo** | 8.24 53155 | 8.1960 975 | 8.24 53827 | 8.1961 647 | 1.75 46173 | 9.99 99328 | **88 oo** |
| 10 | 57030 | 974 | 57704 | 648 | 42296 | 99327 | 90 |
| 20 | 60903 | 974 | 61577 | 648 | 38423 | 99325 | 80 |
| 30 | 64771 | 974 | 65447 | 649 | 34553 | 99324 | 70 |
| 40 | 68636 | 973 | 69313 | 650 | 30687 | 99323 | 60 |
| 50 | 72498 | 973 | 73176 | 651 | 26824 | 99322 | 50 |
| 60 | 76356 | 972 | 77036 | 652 | 22964 | 99321 | 40 |
| 70 | 80211 | 972 | 80892 | 652 | 19108 | 99319 | 30 |
| 80 | 84063 | 972 | 84744 | 653 | 15256 | 99318 | 20 |
| 90 | 87911 | 971 | 88594 | 654 | 11406 | 99317 | 10 |
| **13 oo** | 8.24 91755 | 8.1960 971 | 8.24 92439 | 8.1961 655 | 1.75 07561 | 9.99 99316 | **87 oo** |
| 10 | 95596 | 970 | 8.24 96282 | 656 | 1.75 03718 | 99315 | 90 |
| 20 | 8.24 99434 | 970 | 8.25 00121 | 657 | 1.74 99879 | 99313 | 80 |
| 30 | 8.25 03269 | 970 | 03956 | 657 | 96044 | 99312 | 70 |
| 40 | 07100 | 969 | 07789 | 658 | 92211 | 99311 | 60 |
| 50 | 10927 | 969 | 11618 | 659 | 88382 | 99310 | 50 |
| 60 | 14752 | 968 | 15443 | 660 | 84557 | 99309 | 40 |
| 70 | 18573 | 968 | 19265 | 661 | 80735 | 99307 | 30 |
| 80 | 22390 | 967 | 23084 | 661 | 76916 | 99306 | 20 |
| 90 | 26204 | 967 | 26899 | 662 | 73101 | 99305 | 10 |
| **14 oo** | 8.25 30015 | 8.1960 967 | 8.25 30712 | 8.1961 663 | 1.74 69288 | 9.99 99304 | **86 oo** |
| 10 | 33823 | 966 | 34520 | 664 | 65480 | 99302 | 90 |
| 20 | 37627 | 966 | 38326 | 665 | 61674 | 99301 | 80 |
| 30 | 41428 | 965 | 42128 | 665 | 57872 | 99300 | 70 |
| 40 | 45225 | 965 | 45927 | 666 | 54073 | 99299 | 60 |
| 50 | 49019 | 965 | 49722 | 667 | 50278 | 99298 | 50 |
| 60 | 52810 | 964 | 53514 | 668 | 46486 | 99296 | 40 |
| 70 | 56598 | 964 | 57303 | 669 | 42697 | 99295 | 30 |
| 80 | 60382 | 963 | 61088 | 670 | 38912 | 99294 | 20 |
| 90 | 64163 | 963 | 64871 | 670 | 35129 | 99293 | 10 |
| **15 oo** | 8.25 67941 | 8.1960 963 | 8.25 68650 | 8.1961 671 | 1.74 31350 | 9.99 99291 | **85 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 3778 | 1 | 3779 | 1 | 3779 | 2 | 98g |

| | 3947 | 3936 | 3926 | 3915 | 3905 | 3894 | 3884 | 3873 | 3863 | 3852 | 3842 | 3831 | 3820 | 3810 | 3799 | 3789 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 394,7 | 393,6 | 392,6 | 391,5 | 390,5 | 389,4 | 388,4 | 387,3 | 386,3 | 385,2 | 384,2 | 383,1 | 382,0 | 381,0 | 379,9 | 378,9 | 1 |
| 2 | 789,4 | 787,2 | 785,2 | 783,0 | 781,0 | 778,8 | 776,8 | 774,6 | 772,6 | 770,4 | 768,4 | 766,2 | 764,0 | 762,0 | 759,8 | 757,8 | 2 |
| 3 | 1184,1 | 1180,8 | 1177,8 | 1174,5 | 1171,5 | 1168,2 | 1165,2 | 1161,9 | 1158,9 | 1155,6 | 1152,6 | 1149,3 | 1146,0 | 1143,0 | 1139,7 | 1136,7 | 3 |
| 4 | 1578,8 | 1574,4 | 1570,4 | 1566,0 | 1562,0 | 1557,6 | 1553,6 | 1549,2 | 1545,2 | 1540,8 | 1536,8 | 1532,4 | 1528,0 | 1524,0 | 1519,6 | 1515,6 | 4 |
| 5 | 1973,5 | 1968,0 | 1963,0 | 1957,5 | 1952,5 | 1947,0 | 1942,0 | 1936,5 | 1931,5 | 1926,0 | 1921,0 | 1915,5 | 1910,0 | 1905,0 | 1899,5 | 1894,5 | 5 |
| 6 | 2368,2 | 2361,6 | 2355,6 | 2349,0 | 2343,0 | 2336,4 | 2330,4 | 2323,8 | 2317,8 | 2311,2 | 2305,2 | 2298,6 | 2292,0 | 2286,0 | 2279,4 | 2273,4 | 6 |
| 7 | 2762,9 | 2755,2 | 2748,2 | 2740,5 | 2733,5 | 2725,8 | 2718,8 | 2711,1 | 2704,1 | 2696,4 | 2689,4 | 2681,7 | 2674,0 | 2667,0 | 2659,3 | 2652,3 | 7 |
| 8 | 3157,6 | 3148,8 | 3140,8 | 3132,0 | 3124,0 | 3115,2 | 3107,2 | 3098,4 | 3090,4 | 3081,6 | 3073,6 | 3064,8 | 3056,0 | 3048,0 | 3039,2 | 3031,2 | 8 |
| 9 | 3552,3 | 3542,4 | 3533,4 | 3523,5 | 3514,5 | 3504,6 | 3495,6 | 3485,7 | 3476,7 | 3466,8 | 3457,8 | 3447,9 | 3438,0 | 3429,0 | 3419,1 | 3410,1 | 9 |

| 1g c cc | 3774 | 0 | 3775 | 0 | 3775 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **15 oo** | 8.25 67941 | 8.1960 963 | 8.25 68650 | 8.1961 671 | 1.74 31350 | 9.99 99291 | **85 oo** |
| 10 | 71715 | 962 | 72425 | 672 | 27575 | 99290 | 90 |
| 20 | 75487 | 962 | 76198 | 673 | 23802 | 99289 | 80 |
| 30 | 79254 | 961 | 79967 | 674 | 20033 | 99288 | 70 |
| 40 | 83019 | 961 | 83733 | 674 | 16267 | 99286 | 60 |
| 50 | 86780 | 961 | 87495 | 675 | 12505 | 99285 | 50 |
| 60 | 90538 | 960 | 91254 | 676 | 08746 | 99284 | 40 |
| 70 | 94293 | 960 | 95011 | 677 | 04989 | 99283 | 30 |
| 80 | 8.25 98045 | 959 | 8.25 98763 | 678 | 1.74 01237 | 99281 | 20 |
| 90 | 8.26 01793 | 959 | 8.26 02513 | 679 | 1.73 97487 | 99280 | 10 |
| **16 oo** | 8.26 05538 | 8.1960 958 | 8.26 06259 | 8.1961 679 | 1.73 93741 | 9.99 99279 | **84 oo** |
| 10 | 09280 | 958 | 10002 | 680 | 89998 | 99278 | 90 |
| 20 | 13019 | 958 | 13742 | 681 | 86258 | 99277 | 80 |
| 30 | 16754 | 957 | 17479 | 682 | 82521 | 99275 | 70 |
| 40 | 20487 | 957 | 21213 | 683 | 78787 | 99274 | 60 |
| 50 | 24216 | 956 | 24943 | 684 | 75057 | 99273 | 50 |
| 60 | 27941 | 956 | 28670 | 684 | 71330 | 99272 | 40 |
| 70 | 31664 | 956 | 32394 | 685 | 67606 | 99270 | 30 |
| 80 | 35384 | 955 | 36115 | 686 | 63885 | 99269 | 20 |
| 90 | 39100 | 955 | 39832 | 687 | 60168 | 99268 | 10 |
| **17 oo** | 8.26 42813 | 8.1960 954 | 8.26 43546 | 8.1961 688 | 1.73 56454 | 9.99 99267 | **83 oo** |
| 10 | 46523 | 954 | 47258 | 689 | 52742 | 99265 | 90 |
| 20 | 50230 | 953 | 50966 | 689 | 49034 | 99264 | 80 |
| 30 | 53933 | 953 | 54670 | 690 | 45330 | 99263 | 70 |
| 40 | 57634 | 953 | 58372 | 691 | 41628 | 99261 | 60 |
| 50 | 61331 | 952 | 62071 | 692 | 37929 | 99260 | 50 |
| 60 | 65025 | 952 | 65766 | 693 | 34234 | 99259 | 40 |
| 70 | 68716 | 951 | 69458 | 694 | 30542 | 99258 | 30 |
| 80 | 72404 | 951 | 73147 | 694 | 26853 | 99256 | 20 |
| 90 | 76089 | 951 | 76833 | 695 | 23167 | 99255 | 10 |
| **18 oo** | 8.26 79770 | 8.1960 950 | 8.26 80516 | 8.1961 696 | 1.73 19484 | 9.99 99254 | **82 oo** |
| 10 | 83449 | 950 | 84196 | 697 | 15804 | 99253 | 90 |
| 20 | 87124 | 949 | 87873 | 698 | 12127 | 99251 | 80 |
| 30 | 90796 | 949 | 91546 | 699 | 08454 | 99250 | 70 |
| 40 | 94465 | 948 | 95217 | 700 | 04783 | 99249 | 60 |
| 50 | 8.26 98131 | 948 | 8.26 98884 | 700 | 1.73 01116 | 99248 | 50 |
| 60 | 8.27 01794 | 948 | 8.27 02548 | 701 | 1.72 97452 | 99246 | 40 |
| 70 | 05454 | 947 | 06209 | 702 | 93791 | 99245 | 30 |
| 80 | 09111 | 947 | 09867 | 703 | 90133 | 99244 | 20 |
| 90 | 12765 | 946 | 13522 | 704 | 86478 | 99242 | 10 |
| **19 oo** | 8.27 16415 | 8.1960 946 | 8.27 17174 | 8.1961 705 | 1.72 82826 | 9.99 99241 | **81 oo** |
| 10 | 20063 | 945 | 20823 | 705 | 79177 | 99240 | 90 |
| 20 | 23708 | 945 | 24469 | 706 | 75531 | 99239 | 80 |
| 30 | 27349 | 945 | 28112 | 707 | 71888 | 99237 | 70 |
| 40 | 30987 | 944 | 31751 | 708 | 68249 | 99236 | 60 |
| 50 | 34623 | 944 | 35388 | 709 | 64612 | 99235 | 50 |
| 60 | 38255 | 943 | 39022 | 710 | 60978 | 99234 | 40 |
| 70 | 41884 | 943 | 42652 | 711 | 57348 | 99232 | 30 |
| 80 | 45511 | 942 | 46280 | 711 | 53720 | 99231 | 20 |
| 90 | 49134 | 942 | 49904 | 712 | 50096 | 99230 | 10 |
| **20 oo** | 8.27 52754 | 8.1960 942 | 8.27 53526 | 8.1961 713 | 1.72 46474 | 9.99 99228 | **80 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 3620 | 1 | 3622 | 1 | 3622 | 2 | 98g |

| | 3778 | 3768 | 3757 | 3747 | 3736 | 3725 | 3715 | 3704 | 3694 | 3683 | 3673 | 3662 | 3652 | 3641 | 3631 | 3620 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 377,8 | 376,8 | 375,7 | 374,7 | 373,6 | 372,5 | 371,5 | 370,4 | 369,4 | 368,3 | 367,3 | 366,2 | 365,2 | 364,1 | 363,1 | 362,0 | 1 |
| 2 | 755,6 | 753,6 | 751,4 | 749,4 | 747,2 | 745,0 | 743,0 | 740,8 | 738,8 | 736,6 | 734,6 | 732,4 | 730,4 | 728,2 | 726,2 | 724,0 | 2 |
| 3 | 1133,4 | 1130,4 | 1127,1 | 1124,1 | 1120,8 | 1117,5 | 1114,5 | 1111,2 | 1108,2 | 1104,9 | 1101,9 | 1098,6 | 1095,6 | 1092,3 | 1089,3 | 1086,0 | 3 |
| 4 | 1511,2 | 1507,2 | 1502,8 | 1498,8 | 1494,4 | 1490,0 | 1486,0 | 1481,6 | 1477,6 | 1473,2 | 1469,2 | 1464,8 | 1460,8 | 1456,4 | 1452,4 | 1448,0 | 4 |
| 5 | 1889,0 | 1884,0 | 1878,5 | 1873,5 | 1868,0 | 1862,5 | 1857,5 | 1852,0 | 1847,0 | 1841,5 | 1836,5 | 1831,0 | 1826,0 | 1820,5 | 1815,5 | 1810,0 | 5 |
| 6 | 2266,8 | 2260,8 | 2254,2 | 2248,2 | 2241,6 | 2235,0 | 2229,0 | 2222,4 | 2216,4 | 2209,8 | 2203,8 | 2197,2 | 2191,2 | 2184,6 | 2178,6 | 2172,0 | 6 |
| 7 | 2644,6 | 2637,6 | 2629,9 | 2622,9 | 2615,2 | 2607,5 | 2600,5 | 2592,8 | 2585,8 | 2578,1 | 2571,1 | 2563,4 | 2556,4 | 2548,7 | 2541,7 | 2534,0 | 7 |
| 8 | 3022,4 | 3014,4 | 3005,6 | 2997,6 | 2988,8 | 2980,0 | 2972,0 | 2963,2 | 2955,2 | 2946,4 | 2938,4 | 2929,6 | 2921,6 | 2912,8 | 2904,8 | 2896,0 | 8 |
| 9 | 3400,2 | 3391,2 | 3381,3 | 3372,3 | 3362,4 | 3352,5 | 3343,5 | 3333,6 | 3324,6 | 3314,7 | 3305,7 | 3295,8 | 3286,8 | 3276,9 | 3267,9 | 3258,0 | 9 |

| 1g c cc | 3617 | 0 | 3618 | 0 | 3618 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **20 oo** | 8.27 52754 | 8.1960 942 | 8.27 53526 | 8.1961 713 | 1.72 46474 | 9.99 99228 | **80 oo** |
| 10 | 56371 | 941 | 57144 | 714 | 42856 | 99227 | 90 |
| 20 | 59985 | 941 | 60760 | 715 | 39240 | 99226 | 80 |
| 30 | 63597 | 940 | 64372 | 716 | 35628 | 99225 | 70 |
| 40 | 67205 | 940 | 67981 | 717 | 32019 | 99223 | 60 |
| 50 | 70810 | 939 | 71588 | 717 | 28412 | 99222 | 50 |
| 60 | 74412 | 939 | 75191 | 718 | 24809 | 99221 | 40 |
| 70 | 78011 | 939 | 78792 | 719 | 21208 | 99219 | 30 |
| 80 | 81607 | 938 | 82389 | 720 | 17611 | 99218 | 20 |
| 90 | 85201 | 938 | 85984 | 721 | 14016 | 99217 | 10 |
| **21 oo** | 8.27 88791 | 8.1960 937 | 8.27 89575 | 8.1961 722 | 1.72 10425 | 9.99 99216 | **79 oo** |
| 10 | 92378 | 937 | 93164 | 723 | 06836 | 99214 | 90 |
| 20 | 95963 | 936 | 8.27 96750 | 724 | 1.72 03250 | 99213 | 80 |
| 30 | 8.27 99544 | 936 | 8.28 00332 | 724 | 1.71 99668 | 99212 | 70 |
| 40 | 8.28 03122 | 936 | 03912 | 725 | 96088 | 99210 | 60 |
| 50 | 06698 | 935 | 07489 | 726 | 92511 | 99209 | 50 |
| 60 | 10270 | 935 | 11063 | 727 | 88937 | 99208 | 40 |
| 70 | 13840 | 934 | 14634 | 728 | 85366 | 99206 | 30 |
| 80 | 17407 | 934 | 18202 | 729 | 81798 | 99205 | 20 |
| 90 | 20970 | 933 | 21767 | 730 | 78233 | 99204 | 10 |
| **22 oo** | 8.28 24531 | 8.1960 933 | 8.28 25329 | 8.1961 730 | 1.71 74671 | 9.99 99202 | **78 oo** |
| 10 | 28089 | 933 | 28888 | 731 | 71112 | 99201 | 90 |
| 20 | 31644 | 932 | 32444 | 732 | 67556 | 99200 | 80 |
| 30 | 35196 | 932 | 35998 | 733 | 64002 | 99199 | 70 |
| 40 | 38745 | 931 | 39548 | 734 | 60452 | 99197 | 60 |
| 50 | 42292 | 931 | 43096 | 735 | 56904 | 99196 | 50 |
| 60 | 45835 | 930 | 46640 | 736 | 53360 | 99195 | 40 |
| 70 | 49376 | 930 | 50182 | 737 | 49818 | 99193 | 30 |
| 80 | 52913 | 929 | 53721 | 737 | 46279 | 99192 | 20 |
| 90 | 56448 | 929 | 57257 | 738 | 42743 | 99191 | 10 |
| **23 oo** | 8.28 59980 | 8.1960 929 | 8.28 60790 | 8.1961 739 | 1.71 39210 | 9.99 99189 | **77 oo** |
| 10 | 63509 | 928 | 64321 | 740 | 35679 | 99188 | 90 |
| 20 | 67035 | 928 | 67848 | 741 | 32152 | 99187 | 80 |
| 30 | 70558 | 927 | 71373 | 742 | 28627 | 99185 | 70 |
| 40 | 74078 | 927 | 74894 | 743 | 25106 | 99184 | 60 |
| 50 | 77596 | 926 | 78413 | 744 | 21587 | 99183 | 50 |
| 60 | 81111 | 926 | 81929 | 745 | 18071 | 99181 | 40 |
| 70 | 84622 | 925 | 85442 | 745 | 14558 | 99180 | 30 |
| 80 | 88131 | 925 | 88953 | 746 | 11047 | 99179 | 20 |
| 90 | 91638 | 925 | 92460 | 747 | 07540 | 99177 | 10 |
| **24 oo** | 8.28 95141 | 8.1960 924 | 8.28 95965 | 8.1961 748 | 1.71 04035 | 9.99 99176 | **76 oo** |
| 10 | 8.28 98642 | 924 | 8.28 99467 | 749 | 1.71 00533 | 99175 | 90 |
| 20 | 8.29 02139 | 923 | 8.29 02966 | 750 | 1.70 97034 | 99173 | 80 |
| 30 | 05634 | 923 | 06462 | 751 | 93538 | 99172 | 70 |
| 40 | 09126 | 922 | 09955 | 752 | 90045 | 99171 | 60 |
| 50 | 12615 | 922 | 13446 | 752 | 86554 | 99169 | 50 |
| 60 | 16102 | 921 | 16934 | 753 | 83066 | 99168 | 40 |
| 70 | 19586 | 921 | 20419 | 754 | 79581 | 99167 | 30 |
| 80 | 23066 | 921 | 23901 | 755 | 76099 | 99165 | 20 |
| 90 | 26545 | 920 | 27380 | 756 | 72620 | 99164 | 10 |
| **25 oo** | 8.29 30020 | 8.1960 920 | 8.29 30857 | 8.1961 757 | 1.70 69143 | 9.99 99163 | **75 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 3475 | 1 | 3477 | 1 | 3477 | 2 | 98g |

| | 3618 | 3609 | 3600 | 3591 | 3582 | 3573 | 3564 | 3555 | 3547 | 3538 | 3529 | 3520 | 3511 | 3502 | 3493 | 3484 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 361,8 | 360,9 | 360,0 | 359,1 | 358,2 | 357,3 | 356,4 | 355,5 | 354,7 | 353,8 | 352,9 | 352,0 | 351,1 | 350,2 | 349,3 | 348,4 | 1 |
| 2 | 723,6 | 721,8 | 720,0 | 718,2 | 716,4 | 714,6 | 712,8 | 711,0 | 709,4 | 707,6 | 705,8 | 704,0 | 702,2 | 700,4 | 698,6 | 696,8 | 2 |
| 3 | 1085,4 | 1082,7 | 1080,0 | 1077,3 | 1074,6 | 1071,9 | 1069,2 | 1066,5 | 1064,1 | 1061,4 | 1058,7 | 1056,0 | 1053,3 | 1050,6 | 1047,9 | 1045,2 | 3 |
| 4 | 1447,2 | 1443,6 | 1440,0 | 1436,4 | 1432,8 | 1429,2 | 1425,6 | 1422,0 | 1418,8 | 1415,2 | 1411,6 | 1408,0 | 1404,4 | 1400,8 | 1397,2 | 1393,6 | 4 |
| 5 | 1809,0 | 1804,5 | 1800,0 | 1795,5 | 1791,0 | 1786,5 | 1782,0 | 1777,5 | 1773,5 | 1769,0 | 1764,5 | 1760,0 | 1755,5 | 1751,0 | 1746,5 | 1742,0 | 5 |
| 6 | 2170,8 | 2165,4 | 2160,0 | 2154,6 | 2149,2 | 2143,8 | 2138,4 | 2133,0 | 2128,2 | 2122,8 | 2117,4 | 2112,0 | 2106,6 | 2101,2 | 2095,8 | 2090,4 | 6 |
| 7 | 2532,6 | 2526,3 | 2520,0 | 2513,7 | 2507,4 | 2501,1 | 2494,8 | 2488,5 | 2482,9 | 2476,6 | 2470,3 | 2464,0 | 2457,7 | 2451,4 | 2445,1 | 2438,8 | 7 |
| 8 | 2894,4 | 2887,2 | 2880,0 | 2872,8 | 2865,6 | 2858,4 | 2851,2 | 2844,0 | 2837,6 | 2830,4 | 2823,2 | 2816,0 | 2808,8 | 2801,6 | 2794,4 | 2787,2 | 8 |
| 9 | 3256,2 | 3248,1 | 3240,0 | 3231,9 | 3223,8 | 3215,7 | 3207,6 | 3199,5 | 3192,3 | 3184,2 | 3176,1 | 3168,0 | 3159,9 | 3151,8 | 3143,7 | 3135,6 | 9 |

| 1g c cc | 3472 | 0 | 3474 | 0 | 3474 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **25 oo** | 8.29 30020 | 8.1960 920 | 8.29 30857 | 8.1961 757 | 1.70 69143 | 9.99 99163 | **75 oo** |
| 10 | 33492 | 919 | 34331 | 758 | 65669 | 99161 | 90 |
| 20 | 36962 | 919 | 37802 | 759 | 62198 | 99160 | 80 |
| 30 | 40429 | 918 | 41270 | 760 | 58730 | 99159 | 70 |
| 40 | 43893 | 918 | 44736 | 761 | 55264 | 99157 | 60 |
| 50 | 47355 | 917 | 48199 | 761 | 51801 | 99156 | 50 |
| 60 | 50813 | 917 | 51659 | 762 | 48341 | 99155 | 40 |
| 70 | 54269 | 917 | 55116 | 763 | 44884 | 99153 | 30 |
| 80 | 57723 | 916 | 58571 | 764 | 41429 | 99152 | 20 |
| 90 | 61173 | 916 | 62022 | 765 | 37978 | 99151 | 10 |
| **26 oo** | 8.29 64621 | 8.1960 915 | 8.29 65471 | 8.1961 766 | 1.70 34529 | 9.99 99149 | **74 oo** |
| 10 | 68066 | 915 | 68918 | 767 | 31082 | 99148 | 90 |
| 20 | 71508 | 914 | 72361 | 768 | 27639 | 99147 | 80 |
| 30 | 74947 | 914 | 75802 | 769 | 24198 | 99145 | 70 |
| 40 | 78384 | 913 | 79240 | 770 | 20760 | 99144 | 60 |
| 50 | 81818 | 913 | 82676 | 770 | 17324 | 99143 | 50 |
| 60 | 85250 | 913 | 86108 | 771 | 13892 | 99141 | 40 |
| 70 | 88678 | 912 | 89538 | 772 | 10462 | 99140 | 30 |
| 80 | 92104 | 912 | 92966 | 773 | 07034 | 99138 | 20 |
| 90 | 95527 | 911 | 96390 | 774 | 03610 | 99137 | 10 |
| **27 oo** | 8.29 98948 | 8.1960 911 | 8.29 99812 | 8.1961 775 | 1.70 00188 | 9.99 99136 | **73 oo** |
| 10 | 8.30 02366 | 910 | 8.30 03231 | 776 | 1.69 96769 | 99134 | 90 |
| 20 | 05781 | 910 | 06648 | 777 | 93352 | 99133 | 80 |
| 30 | 09193 | 909 | 10062 | 778 | 89938 | 99132 | 70 |
| 40 | 12603 | 909 | 13473 | 779 | 86527 | 99130 | 60 |
| 50 | 16010 | 908 | 16881 | 779 | 83119 | 99129 | 50 |
| 60 | 19415 | 908 | 20287 | 780 | 79713 | 99128 | 40 |
| 70 | 22816 | 908 | 23690 | 781 | 76310 | 99126 | 30 |
| 80 | 26216 | 907 | 27091 | 782 | 72909 | 99125 | 20 |
| 90 | 29612 | 907 | 30489 | 783 | 69511 | 99123 | 10 |
| **28 oo** | 8.30 33006 | 8.1960 906 | 8.30 33884 | 8.1961 784 | 1.69 66116 | 9.99 99122 | **72 oo** |
| 10 | 36397 | 906 | 37276 | 785 | 62724 | 99121 | 90 |
| 20 | 39785 | 905 | 40666 | 786 | 59334 | 99119 | 80 |
| 30 | 43171 | 905 | 44053 | 787 | 55947 | 99118 | 70 |
| 40 | 46555 | 904 | 47438 | 788 | 52562 | 99117 | 60 |
| 50 | 49935 | 904 | 50820 | 789 | 49180 | 99115 | 50 |
| 60 | 53313 | 903 | 54199 | 790 | 45801 | 99114 | 40 |
| 70 | 56688 | 903 | 57576 | 790 | 42424 | 99112 | 30 |
| 80 | 60061 | 902 | 60950 | 791 | 39050 | 99111 | 20 |
| 90 | 63431 | 902 | 64321 | 792 | 35679 | 99110 | 10 |
| **29 oo** | 8.30 66799 | 8.1960 902 | 8.30 67690 | 8.1961 793 | 1.69 32310 | 9.99 99108 | **71 oo** |
| 10 | 70164 | 901 | 71057 | 794 | 28943 | 99107 | 90 |
| 20 | 73526 | 901 | 74420 | 795 | 25580 | 99106 | 80 |
| 30 | 76885 | 900 | 77781 | 796 | 22219 | 99104 | 70 |
| 40 | 80242 | 900 | 81140 | 797 | 18860 | 99103 | 60 |
| 50 | 83597 | 899 | 84496 | 798 | 15504 | 99101 | 50 |
| 60 | 86949 | 899 | 87849 | 799 | 12151 | 99100 | 40 |
| 70 | 90298 | 898 | 91199 | 800 | 08801 | 99099 | 30 |
| 80 | 93645 | 898 | 94548 | 801 | 05452 | 99097 | 20 |
| 90 | 8.30 96989 | 897 | 8.30 97893 | 802 | 1.69 02107 | 99096 | 10 |
| **30 oo** | 8.31 00330 | 8.1960 897 | 8.31 01236 | 8.1961 802 | 1.68 98764 | 9.99 99094 | **70 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 3341 | 1 | 3343 | 1 | 3343 | 2 | **98g** |

| | 3475 | 3466 | 3457 | 3448 | 3439 | 3430 | 3421 | 3412 | 3404 | 3395 | 3386 | 3377 | 3368 | 3359 | 3350 | 3341 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 347,5 | 346,6 | 345,7 | 344,8 | 343,9 | 343,0 | 342,1 | 341,2 | 340,4 | 339,5 | 338,6 | 337,7 | 336,8 | 335,9 | 335,0 | 334,1 | 1 |
| 2 | 695,0 | 693,2 | 691,4 | 689,6 | 687,8 | 686,0 | 684,2 | 682,4 | 680,8 | 679,0 | 677,2 | 675,4 | 673,6 | 671,8 | 670,0 | 668,2 | 2 |
| 3 | 1042,5 | 1039,8 | 1037,1 | 1034,4 | 1031,7 | 1029,0 | 1026,3 | 1023,6 | 1021,2 | 1018,5 | 1015,8 | 1013,1 | 1010,4 | 1007,7 | 1005,0 | 1002,3 | 3 |
| 4 | 1390,0 | 1386,4 | 1382,8 | 1379,2 | 1375,6 | 1372,0 | 1368,4 | 1364,8 | 1361,6 | 1358,0 | 1354,4 | 1350,8 | 1347,2 | 1343,6 | 1340,0 | 1336,4 | 4 |
| 5 | 1737,5 | 1733,0 | 1728,5 | 1724,0 | 1719,5 | 1715,0 | 1710,5 | 1706,0 | 1702,0 | 1697,5 | 1693,0 | 1688,5 | 1684,0 | 1679,5 | 1675,0 | 1670,5 | 5 |
| 6 | 2085,0 | 2079,6 | 2074,2 | 2068,8 | 2063,4 | 2058,0 | 2052,6 | 2047,2 | 2042,4 | 2037,0 | 2031,6 | 2026,2 | 2020,8 | 2015,4 | 2010,0 | 2004,6 | 6 |
| 7 | 2432,5 | 2426,2 | 2419,9 | 2413,6 | 2407,3 | 2401,0 | 2394,7 | 2388,4 | 2382,8 | 2376,5 | 2370,2 | 2363,9 | 2357,6 | 2351,3 | 2345,0 | 2338,7 | 7 |
| 8 | 2780,0 | 2772,8 | 2765,6 | 2758,4 | 2751,2 | 2744,0 | 2736,8 | 2729,6 | 2723,2 | 2716,0 | 2708,8 | 2701,6 | 2694,4 | 2687,2 | 2680,0 | 2672,8 | 8 |
| 9 | 3127,5 | 3119,4 | 3111,3 | 3103,2 | 3095,1 | 3087,0 | 3078,9 | 3070,8 | 3063,6 | 3055,5 | 3047,4 | 3039,3 | 3031,2 | 3023,1 | 3015,0 | 3006,9 | 9 |

| $1^g$ c cc | 3339 | 0 | 3340 | 0 | 3340 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **30 oo** | 8.31 00330 | 8.1960 897 | 8.31 01236 | 8.1961 802 | 1.68 98764 | 9.99 99094 | **70 oo** |
| 10 | 03669 | 896 | 04576 | 803 | 95424 | 99093 | 90 |
| 20 | 07006 | 896 | 07914 | 804 | 92086 | 99092 | 80 |
| 30 | 10340 | 896 | 11249 | 805 | 88751 | 99090 | 70 |
| 40 | 13671 | 895 | 14582 | 806 | 85418 | 99089 | 60 |
| 50 | 17000 | 895 | 17912 | 807 | 82088 | 99087 | 50 |
| 60 | 20326 | 894 | 21240 | 808 | 78760 | 99086 | 40 |
| 70 | 23650 | 894 | 24565 | 809 | 75435 | 99085 | 30 |
| 80 | 26971 | 893 | 27887 | 810 | 72113 | 99083 | 20 |
| 90 | 30289 | 893 | 31207 | 811 | 68793 | 99082 | 10 |
| **31 oo** | 8.31 33605 | 8.1960 892 | 8.31 34525 | 8.1961 812 | 1.68 65475 | 9.99 99080 | **69 oo** |
| 10 | 36919 | 892 | 37840 | 813 | 62160 | 99079 | 90 |
| 20 | 40230 | 891 | 41152 | 814 | 58848 | 99078 | 80 |
| 30 | 43538 | 891 | 44462 | 815 | 55538 | 99076 | 70 |
| 40 | 46844 | 890 | 47769 | 816 | 52231 | 99075 | 60 |
| 50 | 50147 | 890 | 51074 | 816 | 48926 | 99073 | 50 |
| 60 | 53448 | 889 | 54376 | 817 | 45624 | 99072 | 40 |
| 70 | 56747 | 889 | 57676 | 818 | 42324 | 99071 | 30 |
| 80 | 60043 | 889 | 60973 | 819 | 39027 | 99069 | 20 |
| 90 | 63336 | 888 | 64268 | 820 | 35732 | 99068 | 10 |
| **32 oo** | 8.31 66627 | 8.1960 888 | 8.31 67561 | 8.1961 821 | 1.68 32439 | 9.99 99066 | **68 oo** |
| 10 | 69915 | 887 | 70850 | 822 | 29150 | 99065 | 90 |
| 20 | 73201 | 887 | 74138 | 823 | 25862 | 99064 | 80 |
| 30 | 76485 | 886 | 77422 | 824 | 22578 | 99062 | 70 |
| 40 | 79766 | 886 | 80705 | 825 | 19295 | 99061 | 60 |
| 50 | 83044 | 885 | 83985 | 826 | 16015 | 99059 | 50 |
| 60 | 86320 | 885 | 87262 | 827 | 12738 | 99058 | 40 |
| 70 | 89593 | 884 | 90537 | 828 | 09463 | 99056 | 30 |
| 80 | 92865 | 884 | 93810 | 829 | 06190 | 99055 | 20 |
| 90 | 96133 | 883 | 8.31 97080 | 830 | 1.68 02920 | 99054 | 10 |
| **33 oo** | 8.31 99399 | 8.1960 883 | 8.32 00347 | 8.1961 831 | 1.67 99653 | 9.99 99052 | **67 oo** |
| 10 | 8.32 02663 | 882 | 03612 | 832 | 96388 | 99051 | 90 |
| 20 | 05924 | 882 | 06875 | 833 | 93125 | 99049 | 80 |
| 30 | 09183 | 881 | 10135 | 834 | 89865 | 99048 | 70 |
| 40 | 12439 | 881 | 13393 | 834 | 86607 | 99046 | 60 |
| 50 | 15693 | 880 | 16648 | 835 | 83352 | 99045 | 50 |
| 60 | 18945 | 880 | 19901 | 836 | 80099 | 99044 | 40 |
| 70 | 22194 | 880 | 23151 | 837 | 76849 | 99042 | 30 |
| 80 | 25440 | 879 | 26399 | 838 | 73601 | 99041 | 20 |
| 90 | 28684 | 879 | 29645 | 839 | 70355 | 99039 | 10 |
| **34 oo** | 8.32 31926 | 8.1960 878 | 8.32 32888 | 8.1961 840 | 1.67 67112 | 9.99 99038 | **66 oo** |
| 10 | 35165 | 878 | 36129 | 841 | 63871 | 99036 | 90 |
| 20 | 38402 | 877 | 39367 | 842 | 60633 | 99035 | 80 |
| 30 | 41637 | 877 | 42603 | 843 | 57397 | 99034 | 70 |
| 40 | 44869 | 876 | 45837 | 844 | 54163 | 99032 | 60 |
| 50 | 48099 | 876 | 49068 | 845 | 50932 | 99031 | 50 |
| 60 | 51326 | 875 | 52297 | 846 | 47703 | 99029 | 40 |
| 70 | 54551 | 875 | 55523 | 847 | 44477 | 99028 | 30 |
| 80 | 57773 | 874 | 58747 | 848 | 41253 | 99026 | 20 |
| 90 | 60993 | 874 | 61968 | 849 | 38032 | 99025 | 10 |
| **35 oo** | 8.32 64211 | 8.1960 873 | 8.32 65188 | 8.1961 850 | 1.67 34812 | 9.99 99023 | **65 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 3218 | 1 | 3220 | 1 | 3220 | 2 | $98^g$ |

| | 3340 | 3332 | 3325 | 3317 | 3309 | 3302 | 3294 | 3286 | 3279 | 3271 | 3264 | 3256 | 3248 | 3241 | 3233 | 3225 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 334,0 | 333,2 | 332,5 | 331,7 | 330,9 | 330,2 | 329,4 | 328,6 | 327,9 | 327,1 | 326,4 | 325,6 | 324,8 | 324,1 | 323,3 | 322,5 | 1 |
| 2 | 668,0 | 666,4 | 665,0 | 663,4 | 661,8 | 660,4 | 658,8 | 657,2 | 655,8 | 654,2 | 652,8 | 651,2 | 649,6 | 648,2 | 646,6 | 645,0 | 2 |
| 3 | 1002,0 | 999,6 | 997,5 | 995,1 | 992,7 | 990,6 | 988,2 | 985,8 | 983,7 | 981,3 | 979,2 | 976,8 | 974,4 | 972,3 | 969,9 | 967,5 | 3 |
| 4 | 1336,0 | 1332,8 | 1330,0 | 1326,8 | 1323,6 | 1320,8 | 1317,6 | 1314,4 | 1311,6 | 1308,4 | 1305,6 | 1302,4 | 1299,2 | 1296,4 | 1293,2 | 1290,0 | 4 |
| 5 | 1670,0 | 1666,0 | 1662,5 | 1658,5 | 1654,5 | 1651,0 | 1647,0 | 1643,0 | 1639,5 | 1635,5 | 1632,0 | 1628,0 | 1624,0 | 1620,5 | 1616,5 | 1612,5 | 5 |
| 6 | 2004,0 | 1999,2 | 1995,0 | 1990,2 | 1985,4 | 1981,2 | 1976,4 | 1971,6 | 1967,4 | 1962,6 | 1958,4 | 1953,6 | 1948,8 | 1944,6 | 1939,8 | 1935,0 | 6 |
| 7 | 2338,0 | 2332,4 | 2327,5 | 2321,9 | 2316,3 | 2311,4 | 2305,8 | 2300,2 | 2295,3 | 2289,7 | 2284,8 | 2279,2 | 2273,6 | 2268,7 | 2263,1 | 2257,5 | 7 |
| 8 | 2672,0 | 2665,6 | 2660,0 | 2653,6 | 2647,2 | 2641,6 | 2635,2 | 2628,8 | 2623,2 | 2616,8 | 2611,2 | 2604,8 | 2598,4 | 2592,8 | 2586,4 | 2580,0 | 8 |
| 9 | 3006,0 | 2998,8 | 2992,5 | 2985,3 | 2978,1 | 2971,8 | 2964,6 | 2957,4 | 2951,1 | 2943,9 | 2937,6 | 2930,4 | 2923,2 | 2916,9 | 2909,7 | 2902,5 | 9 |

| 1g c cc | 3215 | 0 | 3216 | 0 | 3216 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **35 oo** | 8.32 64211 | 8.1960 873 | 8.32 65188 | 8.1961 850 | 1.67 34812 | 9.99 99023 | **65 oo** |
| 10 | 67426 | 873 | 68404 | 851 | 31596 | 99022 | 90 |
| 20 | 70639 | 872 | 71619 | 852 | 28381 | 99021 | 80 |
| 30 | 73850 | 872 | 74831 | 853 | 25169 | 99019 | 70 |
| 40 | 77058 | 871 | 78040 | 854 | 21960 | 99018 | 60 |
| 50 | 80264 | 871 | 81248 | 855 | 18752 | 99016 | 50 |
| 60 | 83467 | 870 | 84453 | 856 | 15547 | 99015 | 40 |
| 70 | 86668 | 870 | 87655 | 857 | 12345 | 99013 | 30 |
| 80 | 89867 | 869 | 90855 | 858 | 09145 | 99012 | 20 |
| 90 | 93063 | 869 | 94053 | 859 | 05947 | 99010 | 10 |
| **36 oo** | 8.32 96258 | 8.1960 868 | 8.32 97249 | 8.1961 860 | 1.67 02751 | 9.99 99009 | **64 oo** |
| 10 | 8.32 99449 | 868 | 8.33 00442 | 860 | 1.66 99558 | 99007 | 90 |
| 20 | 8.33 02639 | 867 | 03633 | 861 | 96367 | 99006 | 80 |
| 30 | 05826 | 867 | 06821 | 862 | 93179 | 99005 | 70 |
| 40 | 09010 | 866 | 10007 | 863 | 89993 | 99003 | 60 |
| 50 | 12193 | 866 | 13191 | 864 | 86809 | 99002 | 50 |
| 60 | 15373 | 866 | 16372 | 865 | 83628 | 99000 | 40 |
| 70 | 18550 | 865 | 19551 | 866 | 80449 | 98999 | 30 |
| 80 | 21726 | 865 | 22728 | 867 | 77272 | 98997 | 20 |
| 90 | 24899 | 864 | 25903 | 868 | 74097 | 98996 | 10 |
| **37 oo** | 8.33 28069 | 8.1960 864 | 8.33 29075 | 8.1961 869 | 1.66 70925 | 9.99 98994 | **63 oo** |
| 10 | 31238 | 863 | 32245 | 870 | 67755 | 98993 | 90 |
| 20 | 34404 | 863 | 35412 | 871 | 64588 | 98991 | 80 |
| 30 | 37567 | 862 | 38578 | 872 | 61422 | 98990 | 70 |
| 40 | 40729 | 862 | 41741 | 873 | 58259 | 98988 | 60 |
| 50 | 43888 | 861 | 44901 | 874 | 55099 | 98987 | 50 |
| 60 | 47045 | 861 | 48059 | 875 | 51941 | 98985 | 40 |
| 70 | 50200 | 860 | 51216 | 876 | 48784 | 98984 | 30 |
| 80 | 53352 | 860 | 54369 | 877 | 45631 | 98983 | 20 |
| 90 | 56502 | 859 | 57521 | 878 | 42479 | 98981 | 10 |
| **38 oo** | 8.33 59650 | 8.1960 859 | 8.33 60670 | 8.1961 879 | 1.66 39330 | 9.99 98980 | **62 oo** |
| 10 | 62795 | 858 | 63817 | 880 | 36183 | 98978 | 90 |
| 20 | 65938 | 858 | 66961 | 881 | 33039 | 98977 | 80 |
| 30 | 69079 | 857 | 70104 | 882 | 29896 | 98975 | 70 |
| 40 | 72218 | 857 | 73244 | 883 | 26756 | 98974 | 60 |
| 50 | 75354 | 856 | 76382 | 884 | 23618 | 98972 | 50 |
| 60 | 78488 | 856 | 79517 | 885 | 20483 | 98971 | 40 |
| 70 | 81620 | 855 | 82651 | 886 | 17349 | 98969 | 30 |
| 80 | 84749 | 855 | 85782 | 887 | 14218 | 98968 | 20 |
| 90 | 87877 | 854 | 88910 | 888 | 11090 | 98966 | 10 |
| **39 oo** | 8.33 91002 | 8.1960 854 | 8.33 92037 | 8.1961 889 | 1.66 07963 | 9.99 98965 | **61 oo** |
| 10 | 94125 | 853 | 95161 | 890 | 04839 | 98963 | 90 |
| 20 | 8.33 97245 | 853 | 8.33 98283 | 891 | 1.66 01717 | 98962 | 80 |
| 30 | 8.34 00363 | 852 | 8.34 01403 | 892 | 1.65 98597 | 98960 | 70 |
| 40 | 03479 | 852 | 04521 | 893 | 95479 | 98959 | 60 |
| 50 | 06593 | 851 | 07636 | 894 | 92364 | 98957 | 50 |
| 60 | 09705 | 851 | 10749 | 895 | 89251 | 98956 | 40 |
| 70 | 12814 | 850 | 13860 | 896 | 86140 | 98954 | 30 |
| 80 | 15921 | 850 | 16969 | 897 | 83031 | 98953 | 20 |
| 90 | 19026 | 849 | 20075 | 898 | 79925 | 98951 | 10 |
| **40 oo** | 8.34 22129 | 8.1960 849 | 8.34 23179 | 8.1961 899 | 1.65 76821 | 9.99 98950 | **60 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 3103 | 1 | 3104 | 1 | 3104 | 2 | 98g |

| | 3218 | 3210 | 3202 | 3195 | 3187 | 3179 | 3172 | 3164 | 3157 | 3149 | 3141 | 3134 | 3126 | 3118 | 3111 | 3103 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 321,8 | 321,0 | 320,2 | 319,5 | 318,7 | 317,9 | 317,2 | 316,4 | 315,7 | 314,9 | 314,1 | 313,4 | 312,6 | 311,8 | 311,1 | 310,3 | 1 |
| 2 | 643,6 | 642,0 | 640,4 | 639,0 | 637,4 | 635,8 | 634,4 | 632,8 | 631,4 | 629,8 | 628,2 | 626,8 | 625,2 | 623,6 | 622,2 | 620,6 | 2 |
| 3 | 965,4 | 963,0 | 960,6 | 958,5 | 956,1 | 953,7 | 951,6 | 949,2 | 947,1 | 944,7 | 942,3 | 940,2 | 937,8 | 935,4 | 933,3 | 930,9 | 3 |
| 4 | 1287,2 | 1284,0 | 1280,8 | 1278,0 | 1274,8 | 1271,6 | 1268,8 | 1265,6 | 1262,8 | 1259,6 | 1256,4 | 1253,6 | 1250,4 | 1247,2 | 1244,4 | 1241,2 | 4 |
| 5 | 1609,0 | 1605,0 | 1601,0 | 1597,5 | 1593,5 | 1589,5 | 1586,0 | 1582,0 | 1578,5 | 1574,5 | 1570,5 | 1567,0 | 1563,0 | 1559,0 | 1555,5 | 1551,5 | 5 |
| 6 | 1930,8 | 1926,0 | 1921,2 | 1917,0 | 1912,2 | 1907,4 | 1903,2 | 1898,4 | 1894,2 | 1889,4 | 1884,6 | 1880,4 | 1875,6 | 1870,8 | 1866,6 | 1861,8 | 6 |
| 7 | 2252,6 | 2247,0 | 2241,4 | 2236,5 | 2230,9 | 2225,3 | 2220,4 | 2214,8 | 2209,9 | 2204,3 | 2198,7 | 2193,8 | 2188,2 | 2182,6 | 2177,7 | 2172,1 | 7 |
| 8 | 2574,4 | 2568,0 | 2561,6 | 2556,0 | 2549,6 | 2543,2 | 2537,6 | 2531,2 | 2525,6 | 2519,2 | 2512,8 | 2507,2 | 2500,8 | 2494,4 | 2488,8 | 2482,4 | 8 |
| 9 | 2896,2 | 2889,0 | 2881,8 | 2875,5 | 2868,3 | 2861,1 | 2854,8 | 2847,6 | 2841,3 | 2834,1 | 2826,9 | 2820,6 | 2813,4 | 2806,2 | 2799,9 | 2792,7 | 9 |

| $1^g$ c cc | 3101 | 0 | 3102 | 1 | 3102 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **40 oo** | 8.34 22129 | 8.1960 849 | 8.34 23179 | 8.1961 899 | 1.65 76821 | 9.99 98950 | **60 oo** |
| 10 | 25230 | 848 | 26281 | 900 | 73719 | 98948 | 90 |
| 20 | 28328 | 848 | 29381 | 901 | 70619 | 98947 | 80 |
| 30 | 31424 | 847 | 32479 | 902 | 67521 | 98945 | 70 |
| 40 | 34518 | 847 | 35574 | 903 | 64426 | 98944 | 60 |
| 50 | 37609 | 846 | 38667 | 904 | 61333 | 98942 | 50 |
| 60 | 40699 | 846 | 41758 | 905 | 58242 | 98941 | 40 |
| 70 | 43786 | 845 | 44847 | 906 | 55153 | 98939 | 30 |
| 80 | 46871 | 845 | 47934 | 907 | 52066 | 98938 | 20 |
| 90 | 49954 | 844 | 51018 | 908 | 48982 | 98936 | 10 |
| **41 oo** | 8.34 53035 | 8.1960 844 | 8.34 54100 | 8.1961 909 | 1.65 45900 | 9.99 98935 | **59 oo** |
| 10 | 56113 | 843 | 57180 | 910 | 42820 | 98933 | 90 |
| 20 | 59190 | 843 | 60258 | 911 | 39742 | 98932 | 80 |
| 30 | 62264 | 842 | 63334 | 912 | 36666 | 98930 | 70 |
| 40 | 65336 | 842 | 66407 | 913 | 33593 | 98929 | 60 |
| 50 | 68406 | 841 | 69478 | 914 | 30522 | 98927 | 50 |
| 60 | 71473 | 841 | 72548 | 915 | 27452 | 98926 | 40 |
| 70 | 74539 | 840 | 75615 | 916 | 24385 | 98924 | 30 |
| 80 | 77602 | 840 | 78679 | 917 | 21321 | 98923 | 20 |
| 90 | 80663 | 839 | 81742 | 918 | 18258 | 98921 | 10 |
| **42 oo** | 8.34 83722 | 8.1960 839 | 8.34 84803 | 8.1961 919 | 1.65 15197 | 9.99 98920 | **58 oo** |
| 10 | 86779 | 838 | 87861 | 920 | 12139 | 98918 | 90 |
| 20 | 89834 | 838 | 90917 | 921 | 09083 | 98916 | 80 |
| 30 | 92886 | 837 | 93971 | 922 | 06029 | 98915 | 70 |
| 40 | 95937 | 837 | 8.34 97023 | 923 | 1.65 02977 | 98913 | 60 |
| 50 | 8.34 98985 | 836 | 8.35 00073 | 924 | 1.64 99927 | 98912 | 50 |
| 60 | 8.35 02031 | 836 | 03120 | 925 | 96880 | 98910 | 40 |
| 70 | 05075 | 835 | 06166 | 926 | 93834 | 98909 | 30 |
| 80 | 08117 | 835 | 09209 | 927 | 90791 | 98907 | 20 |
| 90 | 11156 | 834 | 12251 | 928 | 87749 | 98906 | 10 |
| **43 oo** | 8.35 14194 | 8.1960 834 | 8.35 15290 | 8.1961 929 | 1.64 84710 | 9.99 98904 | **57 oo** |
| 10 | 17229 | 833 | 18327 | 930 | 81673 | 98903 | 90 |
| 20 | 20263 | 833 | 21362 | 931 | 78638 | 98901 | 80 |
| 30 | 23294 | 832 | 24394 | 932 | 75606 | 98900 | 70 |
| 40 | 26323 | 832 | 27425 | 933 | 72575 | 98898 | 60 |
| 50 | 29350 | 831 | 30453 | 934 | 69547 | 98897 | 50 |
| 60 | 32375 | 830 | 33480 | 935 | 66520 | 98895 | 40 |
| 70 | 35398 | 830 | 36504 | 936 | 63496 | 98894 | 30 |
| 80 | 38418 | 829 | 39526 | 937 | 60474 | 98892 | 20 |
| 90 | 41437 | 829 | 42546 | 939 | 57454 | 98890 | 10 |
| **44 oo** | 8.35 44453 | 8.1960 828 | 8.35 45564 | 8.1961 940 | 1.64 54436 | 9.99 98889 | **56 oo** |
| 10 | 47468 | 828 | 48580 | 941 | 51420 | 98887 | 90 |
| 20 | 50480 | 827 | 51594 | 942 | 48406 | 98886 | 80 |
| 30 | 53490 | 827 | 54606 | 943 | 45394 | 98884 | 70 |
| 40 | 56498 | 826 | 57616 | 944 | 42384 | 98883 | 60 |
| 50 | 59504 | 826 | 60623 | 945 | 39377 | 98881 | 50 |
| 60 | 62508 | 825 | 63629 | 946 | 36371 | 98880 | 40 |
| 70 | 65510 | 825 | 66632 | 947 | 33368 | 98878 | 30 |
| 80 | 68510 | 824 | 69633 | 948 | 30367 | 98877 | 20 |
| 90 | 71508 | 824 | 72633 | 949 | 27367 | 98875 | 10 |
| **45 oo** | 8.35 74503 | 8.1960 823 | 8.35 75630 | 8.1961 950 | 1.64 24370 | 9.99 98873 | **55 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $98^g$ |
| | 2995 | 1 | 2997 | 2 | 2997 | 2 | |

| | 3102 | 3095 | 3089 | 3082 | 3075 | 3069 | 3062 | 3055 | 3049 | 3042 | 3036 | 3029 | 3022 | 3016 | 3009 | 3002 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 310,2 | 309,5 | 308,9 | 308,2 | 307,5 | 306,9 | 306,2 | 305,5 | 304,9 | 304,2 | 303,6 | 302,9 | 302,2 | 301,6 | 300,9 | 300,2 | 1 |
| 2 | 620,4 | 619,0 | 617,8 | 616,4 | 615,0 | 613,8 | 612,4 | 611,0 | 609,8 | 608,4 | 607,2 | 605,8 | 604,4 | 603,2 | 601,8 | 600,4 | 2 |
| 3 | 930,6 | 928,5 | 926,7 | 924,6 | 922,5 | 920,7 | 918,6 | 916,5 | 914,7 | 912,6 | 910,8 | 908,7 | 906,6 | 904,8 | 902,7 | 900,6 | 3 |
| 4 | 1240,8 | 1238,0 | 1235,6 | 1232,8 | 1230,0 | 1227,6 | 1224,8 | 1222,0 | 1219,6 | 1216,8 | 1214,4 | 1211,6 | 1208,8 | 1206,4 | 1203,6 | 1200,8 | 4 |
| 5 | 1551,0 | 1547,5 | 1544,5 | 1541,0 | 1537,5 | 1534,5 | 1531,0 | 1527,5 | 1524,5 | 1521,0 | 1518,0 | 1514,5 | 1511,0 | 1508,0 | 1504,5 | 1501,0 | 5 |
| 6 | 1861,2 | 1857,0 | 1853,4 | 1849,2 | 1845,0 | 1841,4 | 1837,2 | 1833,0 | 1829,4 | 1825,2 | 1821,6 | 1817,4 | 1813,2 | 1809,6 | 1805,4 | 1801,2 | 6 |
| 7 | 2171,4 | 2166,5 | 2162,3 | 2157,4 | 2152,5 | 2148,3 | 2143,4 | 2138,5 | 2134,3 | 2129,4 | 2125,2 | 2120,3 | 2115,4 | 2111,2 | 2106,3 | 2101,4 | 7 |
| 8 | 2481,6 | 2476,0 | 2471,2 | 2465,6 | 2460,0 | 2455,2 | 2449,6 | 2444,0 | 2439,2 | 2433,6 | 2428,8 | 2423,2 | 2417,6 | 2412,8 | 2407,2 | 2401,6 | 8 |
| 9 | 2791,8 | 2785,5 | 2780,1 | 2773,8 | 2767,5 | 2762,1 | 2755,8 | 2749,5 | 2744,1 | 2737,8 | 2732,4 | 2726,1 | 2719,8 | 2714,4 | 2708,1 | 2701,8 | 9 |

| 1g c cc | 2994 | 0 | 2995 | 1 | 2995 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **45 oo** | 8.35 74503 | 8.1960 823 | 8.35 75630 | 8.1961 950 | 1.64 24370 | 9.99 98873 | **55 oo** |
| 10 | 77497 | 823 | 78625 | 951 | 21375 | 98872 | 90 |
| 20 | 80488 | 822 | 81618 | 952 | 18382 | 98870 | 80 |
| 30 | 83478 | 822 | 84609 | 953 | 15391 | 98869 | 70 |
| 40 | 86465 | 821 | 87598 | 954 | 12402 | 98867 | 60 |
| 50 | 89451 | 821 | 90585 | 955 | 09415 | 98866 | 50 |
| 60 | 92434 | 820 | 93570 | 956 | 06430 | 98864 | 40 |
| 70 | 95415 | 820 | 96553 | 957 | 03447 | 98863 | 30 |
| 80 | 8.35 98394 | 819 | 8.35 99533 | 958 | 1.64 00467 | 98861 | 20 |
| 90 | 8.36 01372 | 819 | 8.36 02512 | 959 | 1.63 97488 | 98859 | 10 |
| **46 oo** | 8.36 04347 | 8.1960 818 | 8.36 05489 | 8.1961 960 | 1.63 94511 | 9.99 98858 | **54 oo** |
| 10 | 07320 | 818 | 08463 | 961 | 91537 | 98856 | 90 |
| 20 | 10291 | 817 | 11436 | 962 | 88564 | 98855 | 80 |
| 30 | 13260 | 817 | 14407 | 963 | 85593 | 98853 | 70 |
| 40 | 16227 | 816 | 17375 | 964 | 82625 | 98852 | 60 |
| 50 | 19192 | 815 | 20342 | 965 | 79658 | 98850 | 50 |
| 60 | 22155 | 815 | 23306 | 967 | 76694 | 98848 | 40 |
| 70 | 25116 | 814 | 26269 | 968 | 73731 | 98847 | 30 |
| 80 | 28074 | 814 | 29229 | 969 | 70771 | 98845 | 20 |
| 90 | 31031 | 813 | 32188 | 970 | 67812 | 98844 | 10 |
| **47 oo** | 8.36 33986 | 8.1960 813 | 8.36 35144 | 8.1961 971 | 1.63 64856 | 9.99 98842 | **53 oo** |
| 10 | 36939 | 812 | 38099 | 972 | 61901 | 98841 | 90 |
| 20 | 39890 | 812 | 41051 | 973 | 58949 | 98839 | 80 |
| 30 | 42839 | 811 | 44001 | 974 | 55999 | 98837 | 70 |
| 40 | 45786 | 811 | 46950 | 975 | 53050 | 98836 | 60 |
| 50 | 48730 | 810 | 49896 | 976 | 50104 | 98834 | 50 |
| 60 | 51673 | 810 | 52841 | 977 | 47159 | 98833 | 40 |
| 70 | 54614 | 809 | 55783 | 978 | 44217 | 98831 | 30 |
| 80 | 57553 | 809 | 58723 | 979 | 41277 | 98829 | 20 |
| 90 | 60490 | 808 | 61662 | 980 | 38338 | 98828 | 10 |
| **48 oo** | 8.36 63425 | 8.1960 808 | 8.36 64598 | 8.1961 981 | 1.63 35402 | 9.99 98826 | **52 oo** |
| 10 | 66358 | 807 | 67533 | 982 | 32467 | 98825 | 90 |
| 20 | 69289 | 807 | 70465 | 983 | 29535 | 98823 | 80 |
| 30 | 72217 | 806 | 73396 | 984 | 26604 | 98822 | 70 |
| 40 | 75144 | 805 | 76325 | 986 | 23675 | 98820 | 60 |
| 50 | 78069 | 805 | 79251 | 987 | 20749 | 98818 | 50 |
| 60 | 80992 | 804 | 82176 | 988 | 17824 | 98817 | 40 |
| 70 | 83914 | 804 | 85098 | 989 | 14902 | 98815 | 30 |
| 80 | 86833 | 803 | 88019 | 990 | 11981 | 98814 | 20 |
| 90 | 89750 | 803 | 90938 | 991 | 09062 | 98812 | 10 |
| **49 oo** | 8.36 92665 | 8.1960 802 | 8.36 93855 | 8.1961 992 | 1.63 06145 | 9.99 98810 | **51 oo** |
| 10 | 95578 | 802 | 96769 | 993 | 03231 | 98809 | 90 |
| 20 | 8.36 98489 | 801 | 8.36 99682 | 994 | 1.63 00318 | 98807 | 80 |
| 30 | 8.37 01399 | 801 | 8.37 02593 | 995 | 1.62 97407 | 98806 | 70 |
| 40 | 04306 | 800 | 05502 | 996 | 94498 | 98804 | 60 |
| 50 | 07212 | 800 | 08409 | 997 | 91591 | 98802 | 50 |
| 60 | 10115 | 799 | 11314 | 998 | 88686 | 98801 | 40 |
| 70 | 13017 | 799 | 14217 | 8.1961 999 | 85783 | 98799 | 30 |
| 80 | 15916 | 798 | 17119 | 8.1962 000 | 82881 | 98798 | 20 |
| 90 | 18814 | 797 | 20018 | 001 | 79982 | 98796 | 10 |
| **50 oo** | 8.37 21710 | 8.1960 797 | 8.37 22915 | 8.1962 003 | 1.62 77085 | 9.99 98794 | **50 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 2896 | 1 | 2897 | 2 | 2897 | 2 | **98g** |

| | 2996 | 2989 | 2982 | 2976 | 2969 | 2962 | 2956 | 2949 | 2943 | 2936 | 2929 | 2923 | 2916 | 2909 | 2903 | 2896 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 299,6 | 298,9 | 298,2 | 297,6 | 296,9 | 296,2 | 295,6 | 294,9 | 294,3 | 293,6 | 292,9 | 292,3 | 291,6 | 290,9 | 290,3 | 289,6 | 1 |
| 2 | 599,2 | 597,8 | 596,4 | 595,2 | 593,8 | 592,4 | 591,2 | 589,8 | 588,6 | 587,2 | 585,8 | 584,6 | 583,2 | 581,8 | 580,6 | 579,2 | 2 |
| 3 | 898,8 | 896,7 | 894,6 | 892,8 | 890,7 | 888,6 | 886,8 | 884,7 | 882,9 | 880,8 | 878,7 | 876,9 | 874,8 | 872,7 | 870,9 | 868,8 | 3 |
| 4 | 1198,4 | 1195,6 | 1192,8 | 1190,4 | 1187,6 | 1184,8 | 1182,4 | 1179,6 | 1177,2 | 1174,4 | 1171,6 | 1169,2 | 1166,4 | 1163,6 | 1161,2 | 1158,4 | 4 |
| 5 | 1498,0 | 1494,5 | 1491,0 | 1488,0 | 1484,5 | 1481,0 | 1478,0 | 1474,5 | 1471,5 | 1468,0 | 1464,5 | 1461,5 | 1458,0 | 1454,5 | 1451,5 | 1448,0 | 5 |
| 6 | 1797,6 | 1793,4 | 1789,2 | 1785,6 | 1781,4 | 1777,2 | 1773,6 | 1769,4 | 1765,8 | 1761,6 | 1757,4 | 1753,8 | 1749,6 | 1745,4 | 1741,8 | 1737,6 | 6 |
| 7 | 2097,2 | 2092,3 | 2087,4 | 2083,2 | 2078,3 | 2073,4 | 2069,2 | 2064,3 | 2060,1 | 2055,2 | 2050,3 | 2046,1 | 2041,2 | 2036,3 | 2032,1 | 2027,2 | 7 |
| 8 | 2396,8 | 2391,2 | 2385,6 | 2380,8 | 2375,2 | 2369,6 | 2364,8 | 2359,2 | 2354,4 | 2348,8 | 2343,2 | 2338,4 | 2332,8 | 2327,2 | 2322,4 | 2316,8 | 8 |
| 9 | 2696,4 | 2690,1 | 2683,8 | 2678,4 | 2672,1 | 2665,8 | 2660,4 | 2654,1 | 2648,7 | 2642,4 | 2636,1 | 2630,7 | 2624,4 | 2618,1 | 2612,7 | 2606,4 | 9 |

| 1g c cc | 2893 | 0 | 2896 | 1 | 2896 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **50 oo** | 8.37 21710 | 8.1960 797 | 8.37 22915 | 8.1962 003 | 1.62 77085 | 9.99 98794 | **50 oo** |
| 10 | 24603 | 796 | 25811 | 004 | 74189 | 98793 | 90 |
| 20 | 27495 | 796 | 28704 | 005 | 71296 | 98791 | 80 |
| 30 | 30385 | 795 | 31596 | 006 | 68404 | 98790 | 70 |
| 40 | 33273 | 795 | 34485 | 007 | 65515 | 98788 | 60 |
| 50 | 36159 | 794 | 37373 | 008 | 62627 | 98786 | 50 |
| 60 | 39043 | 794 | 40259 | 009 | 59741 | 98785 | 40 |
| 70 | 41926 | 793 | 43143 | 010 | 56857 | 98783 | 30 |
| 80 | 44806 | 793 | 46025 | 011 | 53975 | 98781 | 20 |
| 90 | 47684 | 792 | 48905 | 012 | 51095 | 98780 | 10 |
| **51 oo** | 8.37 50561 | 8.1960 792 | 8.37 51783 | 8.1962 013 | 1.62 48217 | 9.99 98778 | **49 oo** |
| 10 | 53436 | 791 | 54659 | 014 | 45341 | 98777 | 90 |
| 20 | 56308 | 790 | 57533 | 015 | 42467 | 98775 | 80 |
| 30 | 59179 | 790 | 60406 | 017 | 39594 | 98773 | 70 |
| 40 | 62048 | 789 | 63276 | 018 | 36724 | 98772 | 60 |
| 50 | 64915 | 789 | 66145 | 019 | 33855 | 98770 | 50 |
| 60 | 67780 | 788 | 69012 | 020 | 30988 | 98769 | 40 |
| 70 | 70644 | 788 | 71877 | 021 | 28123 | 98767 | 30 |
| 80 | 73505 | 787 | 74740 | 022 | 25260 | 98765 | 20 |
| 90 | 76364 | 787 | 77601 | 023 | 22399 | 98764 | 10 |
| **52 oo** | 8.37 79222 | 8.1960 786 | 8.37 80460 | 8.1962 024 | 1.62 19540 | 9.99 98762 | **48 oo** |
| 10 | 82078 | 786 | 83317 | 025 | 16683 | 98760 | 90 |
| 20 | 84932 | 785 | 86173 | 026 | 13827 | 98759 | 80 |
| 30 | 87784 | 785 | 89026 | 027 | 10974 | 98757 | 70 |
| 40 | 90634 | 784 | 91878 | 028 | 08122 | 98755 | 60 |
| 50 | 93482 | 783 | 94728 | 030 | 05272 | 98754 | 50 |
| 60 | 96328 | 783 | 8.37 97576 | 031 | 1.62 02424 | 98752 | 40 |
| 70 | 8.37 99173 | 782 | 8.38 00422 | 032 | 1.61 99578 | 98751 | 30 |
| 80 | 8.38 02015 | 782 | 03266 | 033 | 96734 | 98749 | 20 |
| 90 | 04856 | 781 | 06109 | 034 | 93891 | 98747 | 10 |
| **53 oo** | 8.38 07695 | 8.1960 781 | 8.38 08949 | 8.1962 035 | 1.61 91051 | 9.99 98746 | **47 oo** |
| 10 | 10532 | 780 | 11788 | 036 | 88212 | 98744 | 90 |
| 20 | 13367 | 780 | 14625 | 037 | 85375 | 98742 | 80 |
| 30 | 16201 | 779 | 17460 | 038 | 82540 | 98741 | 70 |
| 40 | 19032 | 778 | 20293 | 039 | 79707 | 98739 | 60 |
| 50 | 21862 | 778 | 23124 | 041 | 76876 | 98737 | 50 |
| 60 | 24690 | 777 | 25954 | 042 | 74046 | 98736 | 40 |
| 70 | 27516 | 777 | 28781 | 043 | 71219 | 98734 | 30 |
| 80 | 30340 | 776 | 31607 | 044 | 68393 | 98732 | 20 |
| 90 | 33162 | 776 | 34431 | 045 | 65569 | 98731 | 10 |
| **54 oo** | 8.38 35982 | 8.1960 775 | 8.38 37253 | 8.1962 046 | 1.61 62747 | 9.99 98729 | **46 oo** |
| 10 | 38801 | 775 | 40073 | 047 | 59927 | 98728 | 90 |
| 20 | 41618 | 774 | 42892 | 048 | 57108 | 98726 | 80 |
| 30 | 44433 | 774 | 45709 | 049 | 54291 | 98724 | 70 |
| 40 | 47246 | 773 | 48523 | 050 | 51477 | 98723 | 60 |
| 50 | 50057 | 772 | 51336 | 052 | 48664 | 98721 | 50 |
| 60 | 52867 | 772 | 54148 | 053 | 45852 | 98719 | 40 |
| 70 | 55674 | 771 | 56957 | 054 | 43043 | 98718 | 30 |
| 80 | 58480 | 771 | 59764 | 055 | 40236 | 98716 | 20 |
| 90 | 61284 | 770 | 62570 | 056 | 37430 | 98714 | 10 |
| **55 oo** | 8.38 64087 | 8.1960 770 | 8.38 65374 | 8.1962 057 | 1.61 34626 | 9.99 98713 | **45 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 2803 | 1 | 2804 | 2 | 2804 | 2 | **98g** |

| | 2896 | 2890 | 2884 | 2878 | 2873 | 2867 | 2861 | 2855 | 2849 | 2843 | 2837 | 2831 | 2826 | 2820 | 2814 | 2808 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 289,6 | 289,0 | 288,4 | 287,8 | 287,3 | 286,7 | 286,1 | 285,5 | 284,9 | 284,3 | 283,7 | 283,1 | 282,6 | 282,0 | 281,4 | 280,8 | 1 |
| 2 | 579,2 | 578,0 | 576,8 | 575,6 | 574,6 | 573,4 | 572,2 | 571,0 | 569,8 | 568,6 | 567,4 | 566,2 | 565,2 | 564,0 | 562,8 | 561,6 | 2 |
| 3 | 868,8 | 867,0 | 865,2 | 863,4 | 861,9 | 860,1 | 858,3 | 856,5 | 854,7 | 852,9 | 851,1 | 849,3 | 847,8 | 846,0 | 844,2 | 842,4 | 3 |
| 4 | 1158,4 | 1156,0 | 1153,6 | 1151,2 | 1149,2 | 1146,8 | 1144,4 | 1142,0 | 1139,6 | 1137,2 | 1134,8 | 1132,4 | 1130,4 | 1128,0 | 1125,6 | 1123,2 | 4 |
| 5 | 1448,0 | 1445,0 | 1442,0 | 1439,0 | 1436,5 | 1433,5 | 1430,5 | 1427,5 | 1424,5 | 1421,5 | 1418,5 | 1415,5 | 1413,0 | 1410,0 | 1407,0 | 1404,0 | 5 |
| 6 | 1737,6 | 1734,0 | 1730,4 | 1726,8 | 1723,8 | 1720,2 | 1716,6 | 1713,0 | 1709,4 | 1705,8 | 1702,2 | 1698,6 | 1695,6 | 1692,0 | 1688,4 | 1684,8 | 6 |
| 7 | 2027,2 | 2023,0 | 2018,8 | 2014,6 | 2011,1 | 2006,9 | 2002,7 | 1998,5 | 1994,3 | 1990,1 | 1985,9 | 1981,7 | 1978,2 | 1974,0 | 1969,8 | 1965,6 | 7 |
| 8 | 2316,8 | 2312,0 | 2307,2 | 2302,4 | 2298,4 | 2293,6 | 2288,8 | 2284,0 | 2279,2 | 2274,4 | 2269,6 | 2264,8 | 2260,8 | 2256,0 | 2251,2 | 2246,4 | 8 |
| 9 | 2606,4 | 2601,0 | 2595,6 | 2590,2 | 2585,7 | 2580,3 | 2574,9 | 2569,5 | 2564,1 | 2558,7 | 2553,3 | 2547,9 | 2543,4 | 2538,0 | 2532,6 | 2527,2 | 9 |

| $1^g$ c cc | 2800 | 0 | 2802 | 1 | 2802 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **55 oo** | 8.38 64087 | 8.1960 770 | 8.38 65374 | 8.1962 057 | 1.61 34626 | 9.99 98713 | **45 oo** |
| 10 | 66887 | 769 | 68176 | 058 | 31824 | 98711 | 90 |
| 20 | 69686 | 769 | 70976 | 059 | 29024 | 98709 | 80 |
| 30 | 72483 | 768 | 73775 | 060 | 26225 | 98708 | 70 |
| 40 | 75278 | 767 | 76572 | 061 | 23428 | 98706 | 60 |
| 50 | 78071 | 767 | 79367 | 063 | 20633 | 98704 | 50 |
| 60 | 80862 | 766 | 82160 | 064 | 17840 | 98703 | 40 |
| 70 | 83652 | 766 | 84951 | 065 | 15049 | 98701 | 30 |
| 80 | 86440 | 765 | 87740 | 066 | 12260 | 98699 | 20 |
| 90 | 89226 | 765 | 90528 | 067 | 09472 | 98698 | 10 |
| **56 oo** | 8.38 92010 | 8.1960 764 | 8.38 93314 | 8.1962 068 | 1.61 06686 | 9.99 98696 | **44 oo** |
| 10 | 94793 | 764 | 96098 | 069 | 03902 | 98694 | 90 |
| 20 | 8.38 97573 | 763 | 8.38 98881 | 070 | 1.61 01119 | 98693 | 80 |
| 30 | 8.39 00352 | 762 | 8.39 01661 | 072 | 1.60 98339 | 98691 | 70 |
| 40 | 03129 | 762 | 04440 | 073 | 95560 | 98689 | 60 |
| 50 | 05905 | 761 | 07217 | 074 | 92783 | 98688 | 50 |
| 60 | 08678 | 761 | 09992 | 075 | 90008 | 98686 | 40 |
| 70 | 11450 | 760 | 12766 | 076 | 87234 | 98684 | 30 |
| 80 | 14220 | 760 | 15538 | 077 | 84462 | 98683 | 20 |
| 90 | 16989 | 759 | 18308 | 078 | 81692 | 98681 | 10 |
| **57 oo** | 8.39 19755 | 8.1960 759 | 8.39 21076 | 8.1962 079 | 1.60 78924 | 9.99 98679 | **43 oo** |
| 10 | 22520 | 758 | 23842 | 080 | 76158 | 98678 | 90 |
| 20 | 25283 | 757 | 26607 | 082 | 73393 | 98676 | 80 |
| 30 | 28044 | 757 | 29370 | 083 | 70630 | 98674 | 70 |
| 40 | 30804 | 756 | 32131 | 084 | 67869 | 98672 | 60 |
| 50 | 33561 | 756 | 34891 | 085 | 65109 | 98671 | 50 |
| 60 | 36317 | 755 | 37648 | 086 | 62352 | 98669 | 40 |
| 70 | 39072 | 755 | 40404 | 087 | 59596 | 98667 | 30 |
| 80 | 41824 | 754 | 43158 | 088 | 56842 | 98666 | 20 |
| 90 | 44575 | 753 | 45911 | 089 | 54089 | 98664 | 10 |
| **58 oo** | 8.39 47324 | 8.1960 753 | 8.39 48661 | 8.1962 091 | 1.60 51339 | 9.99 98662 | **42 oo** |
| 10 | 50071 | 752 | 51410 | 092 | 48590 | 98661 | 90 |
| 20 | 52817 | 752 | 54158 | 093 | 45842 | 98659 | 80 |
| 30 | 55560 | 751 | 56903 | 094 | 43097 | 98657 | 70 |
| 40 | 58302 | 751 | 59647 | 095 | 40353 | 98656 | 60 |
| 50 | 61043 | 750 | 62389 | 096 | 37611 | 98654 | 50 |
| 60 | 63781 | 750 | 65129 | 097 | 34871 | 98652 | 40 |
| 70 | 66518 | 749 | 67868 | 099 | 32132 | 98650 | 30 |
| 80 | 69253 | 748 | 70605 | 100 | 29395 | 98649 | 20 |
| 90 | 71987 | 748 | 73340 | 101 | 26660 | 98647 | 10 |
| **59 oo** | 8.39 74718 | 8.1960 747 | 8.39 76073 | 8.1962 102 | 1.60 23927 | 9.99 98645 | **41 oo** |
| 10 | 77448 | 747 | 78805 | 103 | 21195 | 98644 | 90 |
| 20 | 80177 | 746 | 81535 | 104 | 18465 | 98642 | 80 |
| 30 | 82903 | 746 | 84263 | 105 | 15737 | 98640 | 70 |
| 40 | 85628 | 745 | 86990 | 106 | 13010 | 98639 | 60 |
| 50 | 88351 | 744 | 89714 | 108 | 10286 | 98637 | 50 |
| 60 | 91073 | 744 | 92438 | 109 | 07562 | 98635 | 40 |
| 70 | 93792 | 743 | 95159 | 110 | 04841 | 98633 | 30 |
| 80 | 96510 | 743 | 8.39 97879 | 111 | 1.60 02121 | 98632 | 20 |
| 90 | 8.39 99227 | 742 | 8.40 00597 | 112 | 1.59 99403 | 98630 | 10 |
| **60 oo** | 8.40 01941 | 8.1960 742 | 8.40 03313 | 8.1962 113 | 1.59 96687 | 9.99 98628 | **40 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 2714 | 1 | 2716 | 2 | 2716 | 2 | $98^g$ |

| | 2802 | 2796 | 2790 | 2784 | 2779 | 2773 | 2767 | 2761 | 2755 | 2749 | 2743 | 2737 | 2732 | 2726 | 2720 | 2714 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 280,2 | 279,6 | 279,0 | 278,4 | 277,9 | 277,3 | 276,7 | 276,1 | 275,5 | 274,9 | 274,3 | 273,7 | 273,2 | 272,6 | 272,0 | 271,4 | 1 |
| 2 | 560,4 | 559,2 | 558,0 | 556,8 | 555,8 | 554,6 | 553,4 | 552,2 | 551,0 | 549,8 | 548,6 | 547,4 | 546,4 | 545,2 | 544,0 | 542,8 | 2 |
| 3 | 840,6 | 838,8 | 837,0 | 835,2 | 833,7 | 831,9 | 830,1 | 828,3 | 826,5 | 824,7 | 822,9 | 821,1 | 819,6 | 817,8 | 816,0 | 814,2 | 3 |
| 4 | 1120,8 | 1118,4 | 1116,0 | 1113,6 | 1111,6 | 1109,2 | 1106,8 | 1104,4 | 1102,0 | 1099,6 | 1097,2 | 1094,8 | 1092,8 | 1090,4 | 1088,0 | 1085,6 | 4 |
| 5 | 1401,0 | 1398,0 | 1395,0 | 1392,0 | 1389,5 | 1386,5 | 1383,5 | 1380,5 | 1377,5 | 1374,5 | 1371,5 | 1368,5 | 1366,0 | 1363,0 | 1360,0 | 1357,0 | 5 |
| 6 | 1681,2 | 1677,6 | 1674,0 | 1670,4 | 1667,4 | 1663,8 | 1660,2 | 1656,6 | 1653,0 | 1649,4 | 1645,8 | 1642,2 | 1639,2 | 1635,6 | 1632,0 | 1628,4 | 6 |
| 7 | 1961,4 | 1957,2 | 1953,0 | 1948,8 | 1945,3 | 1941,1 | 1936,9 | 1932,7 | 1928,5 | 1924,3 | 1920,1 | 1915,9 | 1912,4 | 1908,2 | 1904,0 | 1899,8 | 7 |
| 8 | 2241,6 | 2236,8 | 2232,0 | 2227,2 | 2223,2 | 2218,4 | 2213,6 | 2208,8 | 2204,0 | 2199,2 | 2194,4 | 2189,6 | 2185,6 | 2180,8 | 2176,0 | 2171,2 | 8 |
| 9 | 2521,8 | 2516,4 | 2511,0 | 2505,6 | 2501,1 | 2495,7 | 2490,3 | 2484,9 | 2479,5 | 2474,1 | 2468,7 | 2463,3 | 2458,8 | 2453,4 | 2448,0 | 2442,6 | 9 |

| 1g c cc | 2713 | 0 | 2715 | 1 | 2715 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **60 oo** | 8.40 01941 | 8.1960 742 | 8.40 03313 | 8.1962 113 | 1.59 96687 | 9.99 98628 | **40 oo** |
| 10 | 04654 | 741 | 06028 | 114 | 93972 | 98627 | 90 |
| 20 | 07366 | 740 | 08741 | 116 | 91259 | 98625 | 80 |
| 30 | 10075 | 740 | 11452 | 117 | 88548 | 98623 | 70 |
| 40 | 12783 | 739 | 14162 | 118 | 85838 | 98621 | 60 |
| 50 | 15489 | 739 | 16869 | 119 | 83131 | 98620 | 50 |
| 60 | 18194 | 738 | 19576 | 120 | 80424 | 98618 | 40 |
| 70 | 20896 | 738 | 22280 | 121 | 77720 | 98616 | 30 |
| 80 | 23597 | 737 | 24983 | 122 | 75017 | 98614 | 20 |
| 90 | 26297 | 736 | 27684 | 124 | 72316 | 98613 | 10 |
| **61 oo** | 8.40 28995 | 8.1960 736 | 8.40 30384 | 8.1962 125 | 1.59 69616 | 9.99 98611 | **39 oo** |
| 10 | 31691 | 735 | 33081 | 126 | 66919 | 98609 | 90 |
| 20 | 34385 | 735 | 35777 | 127 | 64223 | 98608 | 80 |
| 30 | 37078 | 734 | 38472 | 128 | 61528 | 98606 | 70 |
| 40 | 39769 | 734 | 41165 | 129 | 58835 | 98604 | 60 |
| 50 | 42458 | 733 | 43856 | 131 | 56144 | 98602 | 50 |
| 60 | 45146 | 732 | 46545 | 132 | 53455 | 98601 | 40 |
| 70 | 47832 | 732 | 49233 | 133 | 50767 | 98599 | 30 |
| 80 | 50516 | 731 | 51919 | 134 | 48081 | 98597 | 20 |
| 90 | 53199 | 731 | 54604 | 135 | 45396 | 98595 | 10 |
| **62 oo** | 8.40 55880 | 8.1960 730 | 8.40 57286 | 8.1962 136 | 1.59 42714 | 9.99 98594 | **38 oo** |
| 10 | 58560 | 729 | 59968 | 137 | 40032 | 98592 | 90 |
| 20 | 61237 | 729 | 62647 | 139 | 37353 | 98590 | 80 |
| 30 | 63914 | 728 | 65325 | 140 | 34675 | 98589 | 70 |
| 40 | 66588 | 728 | 68001 | 141 | 31999 | 98587 | 60 |
| 50 | 69261 | 727 | 70676 | 142 | 29324 | 98585 | 50 |
| 60 | 71932 | 727 | 73349 | 143 | 26651 | 98583 | 40 |
| 70 | 74602 | 726 | 76020 | 144 | 23980 | 98582 | 30 |
| 80 | 77269 | 725 | 78690 | 146 | 21310 | 98580 | 20 |
| 90 | 79936 | 725 | 81358 | 147 | 18642 | 98578 | 10 |
| **63 oo** | 8.40 82600 | 8.1960 724 | 8.40 84024 | 8.1962 148 | 1.59 15976 | 9.99 98576 | **37 oo** |
| 10 | 85263 | 724 | 86689 | 149 | 13311 | 98575 | 90 |
| 20 | 87925 | 723 | 89352 | 150 | 10648 | 98573 | 80 |
| 30 | 90584 | 722 | 92013 | 151 | 07987 | 98571 | 70 |
| 40 | 93242 | 722 | 94673 | 153 | 05327 | 98569 | 60 |
| 50 | 95899 | 721 | 97331 | 154 | 02669 | 98568 | 50 |
| 60 | 8.40 98554 | 721 | 8.40 99988 | 155 | 1.59 00012 | 98566 | 40 |
| 70 | 8.41 01207 | 720 | 8.41 02643 | 156 | 1.58 97357 | 98564 | 30 |
| 80 | 03859 | 720 | 05296 | 157 | 94704 | 98562 | 20 |
| 90 | 06509 | 719 | 07948 | 158 | 92052 | 98561 | 10 |
| **64 oo** | 8.41 09157 | 8.1960 718 | 8.41 10598 | 8.1962 160 | 1.58 89402 | 9.99 98559 | **36 oo** |
| 10 | 11804 | 718 | 13247 | 161 | 86753 | 98557 | 90 |
| 20 | 14449 | 717 | 15893 | 162 | 84107 | 98555 | 80 |
| 30 | 17092 | 717 | 18539 | 163 | 81461 | 98554 | 70 |
| 40 | 19734 | 716 | 21182 | 164 | 78818 | 98552 | 60 |
| 50 | 22374 | 715 | 23825 | 165 | 76175 | 98550 | 50 |
| 60 | 25013 | 715 | 26465 | 167 | 73535 | 98548 | 40 |
| 70 | 27650 | 714 | 29104 | 168 | 70896 | 98546 | 30 |
| 80 | 30286 | 714 | 31741 | 169 | 68259 | 98545 | 20 |
| 90 | 32920 | 713 | 34377 | 170 | 65623 | 98543 | 10 |
| **65 oo** | 8.41 35552 | 8.1960 713 | 8.41 37011 | 8.1962 171 | 1.58 62989 | 9.99 98541 | **35 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 2632 | 1 | 2634 | 2 | 2634 | 2 | 98g |

| | 2715 | 2710 | 2705 | 2700 | 2694 | 2689 | 2684 | 2679 | 2674 | 2669 | 2663 | 2658 | 2653 | 2648 | 2643 | 2638 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 271,5 | 271,0 | 270,5 | 270,0 | 269,4 | 268,9 | 268,4 | 267,9 | 267,4 | 266,9 | 266,3 | 265,8 | 265,3 | 264,8 | 264,3 | 263,8 | 1 |
| 2 | 543,0 | 542,0 | 541,0 | 540,0 | 538,8 | 537,8 | 536,8 | 535,8 | 534,8 | 533,8 | 532,6 | 531,6 | 530,6 | 529,6 | 528,6 | 527,6 | 2 |
| 3 | 814,5 | 813,0 | 811,5 | 810,0 | 808,2 | 806,7 | 805,2 | 803,7 | 802,2 | 800,7 | 798,9 | 797,4 | 795,9 | 794,4 | 792,9 | 791,4 | 3 |
| 4 | 1086,0 | 1084,0 | 1082,0 | 1080,0 | 1077,6 | 1075,6 | 1073,6 | 1071,6 | 1069,6 | 1067,6 | 1065,2 | 1063,2 | 1061,2 | 1059,2 | 1057,2 | 1055,2 | 4 |
| 5 | 1357,5 | 1355,0 | 1352,5 | 1350,0 | 1347,0 | 1344,5 | 1342,0 | 1339,5 | 1337,0 | 1334,5 | 1331,5 | 1329,0 | 1326,5 | 1324,0 | 1321,5 | 1319,0 | 5 |
| 6 | 1629,0 | 1626,0 | 1623,0 | 1620,0 | 1616,4 | 1613,4 | 1610,4 | 1607,4 | 1604,4 | 1601,4 | 1597,8 | 1594,8 | 1591,8 | 1588,8 | 1585,8 | 1582,8 | 6 |
| 7 | 1900,5 | 1897,0 | 1893,5 | 1890,0 | 1885,8 | 1882,3 | 1878,8 | 1875,3 | 1871,8 | 1868,3 | 1864,1 | 1860,6 | 1857,1 | 1853,6 | 1850,1 | 1846,6 | 7 |
| 8 | 2172,0 | 2168,0 | 2164,0 | 2160,0 | 2155,2 | 2151,2 | 2147,2 | 2143,2 | 2139,2 | 2135,2 | 2130,4 | 2126,4 | 2122,4 | 2118,4 | 2114,4 | 2110,4 | 8 |
| 9 | 2443,5 | 2439,0 | 2434,5 | 2430,0 | 2424,6 | 2420,1 | 2415,6 | 2411,1 | 2406,6 | 2402,1 | 2396,7 | 2392,2 | 2387,7 | 2383,2 | 2378,7 | 2374,2 | 9 |

| 1g c cc | 2631 | 0 | 2632 | 1 | 2632 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **65 oo** | 8.41 35552 | 8.1960 713 | 8.41 37011 | 8.1962 171 | 1.58 62989 | 9.99 98541 | **35 oo** |
| 10 | 38183 | 712 | 39643 | 173 | 60357 | 98539 | 90 |
| 20 | 40812 | 711 | 42274 | 174 | 57726 | 98538 | 80 |
| 30 | 43439 | 711 | 44903 | 175 | 55097 | 98536 | 70 |
| 40 | 46065 | 710 | 47531 | 176 | 52469 | 98534 | 60 |
| 50 | 48690 | 710 | 50157 | 177 | 49843 | 98532 | 50 |
| 60 | 51312 | 709 | 52782 | 178 | 47218 | 98531 | 40 |
| 70 | 53933 | 708 | 55405 | 180 | 44595 | 98529 | 30 |
| 80 | 56553 | 708 | 58026 | 181 | 41974 | 98527 | 20 |
| 90 | 59171 | 707 | 60646 | 182 | 39354 | 98525 | 10 |
| **66 oo** | 8.41 61787 | 8.1960 707 | 8.41 63264 | 8.1962 183 | 1.58 36736 | 9.99 98523 | **34 oo** |
| 10 | 64402 | 706 | 65881 | 184 | 34119 | 98522 | 90 |
| 20 | 67016 | 705 | 68496 | 186 | 31504 | 98520 | 80 |
| 30 | 69627 | 705 | 71109 | 187 | 28891 | 98518 | 70 |
| 40 | 72237 | 704 | 73721 | 188 | 26279 | 98516 | 60 |
| 50 | 74846 | 704 | 76332 | 189 | 23668 | 98515 | 50 |
| 60 | 77453 | 703 | 78940 | 190 | 21060 | 98513 | 40 |
| 70 | 80058 | 702 | 81548 | 192 | 18452 | 98511 | 30 |
| 80 | 82662 | 702 | 84153 | 193 | 15847 | 98509 | 20 |
| 90 | 85265 | 701 | 86757 | 194 | 13243 | 98507 | 10 |
| **67 oo** | 8.41 87865 | 8.1960 701 | 8.41 89360 | 8.1962 195 | 1.58 10640 | 9.99 98506 | **33 oo** |
| 10 | 90465 | 700 | 91961 | 196 | 08039 | 98504 | 90 |
| 20 | 93062 | 699 | 94560 | 197 | 05440 | 98502 | 80 |
| 30 | 95658 | 699 | 97158 | 199 | 02842 | 98500 | 70 |
| 40 | 8.41 98253 | 698 | 8.41 99754 | 200 | 1.58 00246 | 98498 | 60 |
| 50 | 8.42 00846 | 698 | 8.42 02349 | 201 | 1.57 97651 | 98497 | 50 |
| 60 | 03437 | 697 | 04942 | 202 | 95058 | 98495 | 40 |
| 70 | 06027 | 696 | 07534 | 203 | 92466 | 98493 | 30 |
| 80 | 08615 | 696 | 10124 | 205 | 89876 | 98491 | 20 |
| 90 | 11202 | 695 | 12713 | 206 | 87287 | 98489 | 10 |
| **68 oo** | 8.42 13788 | 8.1960 695 | 8.42 15300 | 8.1962 207 | 1.57 84700 | 9.99 98488 | **32 oo** |
| 10 | 16371 | 694 | 17885 | 208 | 82115 | 98486 | 90 |
| 20 | 18953 | 693 | 20469 | 209 | 79531 | 98484 | 80 |
| 30 | 21534 | 693 | 23052 | 211 | 76948 | 98482 | 70 |
| 40 | 24113 | 692 | 25633 | 212 | 74367 | 98480 | 60 |
| 50 | 26691 | 692 | 28212 | 213 | 71788 | 98479 | 50 |
| 60 | 29267 | 691 | 30790 | 214 | 69210 | 98477 | 40 |
| 70 | 31841 | 690 | 33366 | 215 | 66634 | 98475 | 30 |
| 80 | 34414 | 690 | 35941 | 217 | 64059 | 98473 | 20 |
| 90 | 36986 | 689 | 38514 | 218 | 61486 | 98471 | 10 |
| **69 oo** | 8.42 39556 | 8.1960 689 | 8.42 41086 | 8.1962 219 | 1.57 58914 | 9.99 98470 | **31 oo** |
| 10 | 42124 | 688 | 43656 | 220 | 56344 | 98468 | 90 |
| 20 | 44691 | 687 | 46225 | 222 | 53775 | 98466 | 80 |
| 30 | 47256 | 687 | 48792 | 223 | 51208 | 98464 | 70 |
| 40 | 49820 | 686 | 51358 | 224 | 48642 | 98462 | 60 |
| 50 | 52383 | 686 | 53922 | 225 | 46078 | 98460 | 50 |
| 60 | 54944 | 685 | 56485 | 226 | 43515 | 98459 | 40 |
| 70 | 57503 | 684 | 59046 | 228 | 40954 | 98457 | 30 |
| 80 | 60061 | 684 | 61606 | 229 | 38394 | 98455 | 20 |
| 90 | 62617 | 683 | 64164 | 230 | 35836 | 98453 | 10 |
| **70 oo** | 8.42 65172 | 8.1960 683 | 8.42 66720 | 8.1962 231 | 1.57 33280 | 9.99 98451 | **30 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 2555 | 1 | 2556 | 2 | 2556 | 2 | 98g |

| | 2632 | 2627 | 2622 | 2617 | 2612 | 2607 | 2601 | 2596 | 2591 | 2586 | 2581 | 2576 | 2570 | 2565 | 2560 | 2555 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 263,2 | 262,7 | 262,2 | 261,7 | 261,2 | 260,7 | 260,1 | 259,6 | 259,1 | 258,6 | 258,1 | 257,6 | 257,0 | 256,5 | 256,0 | 255,5 | 1 |
| 2 | 526,4 | 525,4 | 524,4 | 523,4 | 522,4 | 521,4 | 520,2 | 519,2 | 518,2 | 517,2 | 516,2 | 515,2 | 514,0 | 513,0 | 512,0 | 511,0 | 2 |
| 3 | 789,6 | 788,1 | 786,6 | 785,1 | 783,6 | 782,1 | 780,3 | 778,8 | 777,3 | 775,8 | 774,3 | 772,8 | 771,0 | 769,5 | 768,0 | 766,5 | 3 |
| 4 | 1052,8 | 1050,8 | 1048,8 | 1046,8 | 1044,8 | 1042,8 | 1040,4 | 1038,4 | 1036,4 | 1034,4 | 1032,4 | 1030,4 | 1028,0 | 1026,0 | 1024,0 | 1022,0 | 4 |
| 5 | 1316,0 | 1313,5 | 1311,0 | 1308,5 | 1306,0 | 1303,5 | 1300,5 | 1298,0 | 1295,5 | 1293,0 | 1290,5 | 1288,0 | 1285,0 | 1282,5 | 1280,0 | 1277,5 | 5 |
| 6 | 1579,2 | 1576,2 | 1573,2 | 1570,2 | 1567,2 | 1564,2 | 1560,6 | 1557,6 | 1554,6 | 1551,6 | 1548,6 | 1545,6 | 1542,0 | 1539,0 | 1536,0 | 1533,0 | 6 |
| 7 | 1842,4 | 1838,9 | 1835,4 | 1831,9 | 1828,4 | 1824,9 | 1820,7 | 1817,2 | 1813,7 | 1810,2 | 1806,7 | 1803,2 | 1799,0 | 1795,5 | 1792,0 | 1788,5 | 7 |
| 8 | 2105,6 | 2101,6 | 2097,6 | 2093,6 | 2089,6 | 2085,6 | 2080,8 | 2076,8 | 2072,8 | 2068,8 | 2064,8 | 2060,8 | 2056,0 | 2052,0 | 2048,0 | 2044,0 | 8 |
| 9 | 2368,8 | 2364,3 | 2359,8 | 2355,3 | 2350,8 | 2346,3 | 2340,9 | 2336,4 | 2331,9 | 2327,4 | 2322,9 | 2318,4 | 2313,0 | 2308,5 | 2304,0 | 2299,5 | 9 |

| 1g c cc | 2553 | 0 | 2556 | 1 | 2556 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **70 oo** | 8.42 65172 | 8.1960 683 | 8.42 66720 | 8.1962 231 | 1.57 33280 | 9.99 98451 | **30 oo** |
| 10 | 67725 | 682 | 69276 | 232 | 30724 | 98450 | 90 |
| 20 | 70277 | 681 | 71829 | 234 | 28171 | 98448 | 80 |
| 30 | 72827 | 681 | 74381 | 235 | 25619 | 98446 | 70 |
| 40 | 75376 | 680 | 76932 | 236 | 23068 | 98444 | 60 |
| 50 | 77923 | 680 | 79481 | 237 | 20519 | 98442 | 50 |
| 60 | 80469 | 679 | 82029 | 239 | 17971 | 98440 | 40 |
| 70 | 83014 | 678 | 84575 | 240 | 15425 | 98439 | 30 |
| 80 | 85556 | 678 | 87120 | 241 | 12880 | 98437 | 20 |
| 90 | 88098 | 677 | 89663 | 242 | 10337 | 98435 | 10 |
| **71 oo** | 8.42 90638 | 8.1960 677 | 8.42 92205 | 8.1962 243 | 1.57 07795 | 9.99 98433 | **29 oo** |
| 10 | 93176 | 676 | 94745 | 245 | 05255 | 98431 | 90 |
| 20 | 95713 | 675 | 97283 | 246 | 02717 | 98429 | 80 |
| 30 | 8.42 98248 | 675 | 8.42 99821 | 247 | 1.57 00179 | 98428 | 70 |
| 40 | 8.43 00782 | 674 | 8.43 02356 | 248 | 1.56 97644 | 98426 | 60 |
| 50 | 03315 | 673 | 04891 | 250 | 95109 | 98424 | 50 |
| 60 | 05846 | 673 | 07424 | 251 | 92576 | 98422 | 40 |
| 70 | 08375 | 672 | 09955 | 252 | 90045 | 98420 | 30 |
| 80 | 10903 | 672 | 12485 | 253 | 87515 | 98418 | 20 |
| 90 | 13430 | 671 | 15013 | 254 | 84987 | 98417 | 10 |
| **72 oo** | 8.43 15955 | 8.1960 670 | 8.43 17540 | 8.1962 256 | 1.56 82460 | 9.99 98415 | **28 oo** |
| 10 | 18478 | 670 | 20066 | 257 | 79934 | 98413 | 90 |
| 20 | 21001 | 669 | 22590 | 258 | 77410 | 98411 | 80 |
| 30 | 23521 | 669 | 25112 | 259 | 74888 | 98409 | 70 |
| 40 | 26041 | 668 | 27633 | 261 | 72367 | 98407 | 60 |
| 50 | 28558 | 667 | 30153 | 262 | 69847 | 98405 | 50 |
| 60 | 31075 | 667 | 32671 | 263 | 67329 | 98404 | 40 |
| 70 | 33589 | 666 | 35188 | 264 | 64812 | 98402 | 30 |
| 80 | 36103 | 665 | 37703 | 266 | 62297 | 98400 | 20 |
| 90 | 38615 | 665 | 40217 | 267 | 59783 | 98398 | 10 |
| **73 oo** | 8.43 41125 | 8.1960 664 | 8.43 42729 | 8.1962 268 | 1.56 57271 | 9.99 98396 | **27 oo** |
| 10 | 43634 | 664 | 45240 | 269 | 54760 | 98394 | 90 |
| 20 | 46142 | 663 | 47749 | 270 | 52251 | 98393 | 80 |
| 30 | 48648 | 662 | 50257 | 272 | 49743 | 98391 | 70 |
| 40 | 51153 | 662 | 52764 | 273 | 47236 | 98389 | 60 |
| 50 | 53656 | 661 | 55269 | 274 | 44731 | 98387 | 50 |
| 60 | 56158 | 661 | 57773 | 275 | 42227 | 98385 | 40 |
| 70 | 58658 | 660 | 60275 | 277 | 39725 | 98383 | 30 |
| 80 | 61157 | 659 | 62776 | 278 | 37224 | 98381 | 20 |
| 90 | 63654 | 659 | 65275 | 279 | 34725 | 98380 | 10 |
| **74 oo** | 8.43 66151 | 8.1960 658 | 8.43 67773 | 8.1962 280 | 1.56 32227 | 9.99 98378 | **26 oo** |
| 10 | 68645 | 657 | 70269 | 282 | 29731 | 98376 | 90 |
| 20 | 71138 | 657 | 72764 | 283 | 27236 | 98374 | 80 |
| 30 | 73630 | 656 | 75258 | 284 | 24742 | 98372 | 70 |
| 40 | 76120 | 656 | 77750 | 285 | 22250 | 98370 | 60 |
| 50 | 78609 | 655 | 80241 | 287 | 19759 | 98368 | 50 |
| 60 | 81097 | 654 | 82730 | 288 | 17270 | 98366 | 40 |
| 70 | 83583 | 654 | 85218 | 289 | 14782 | 98365 | 30 |
| 80 | 86067 | 653 | 87705 | 290 | 12295 | 98363 | 20 |
| 90 | 88551 | 652 | 90190 | 292 | 09810 | 98361 | 10 |
| **75 oo** | 8.43 91032 | 8.1960 652 | 8.43 92673 | 8.1962 293 | 1.56 07327 | 9.99 98359 | **25 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 2481 | 1 | 2483 | 2 | 2483 | 2 | **98g** |

| | 2556 | 2551 | 2547 | 2542 | 2538 | 2533 | 2528 | 2524 | 2519 | 2514 | 2510 | 2505 | 2501 | 2496 | 2491 | 2487 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 255,6 | 255,1 | 254,7 | 254,2 | 253,8 | 253,3 | 252,8 | 252,4 | 251,9 | 251,4 | 251,0 | 250,5 | 250,1 | 249,6 | 249,1 | 248,7 | 1 |
| 2 | 511,2 | 510,2 | 509,4 | 508,4 | 507,6 | 506,6 | 505,6 | 504,8 | 503,8 | 502,8 | 502,0 | 501,0 | 500,2 | 499,2 | 498,2 | 497,4 | 2 |
| 3 | 766,8 | 765,3 | 764,1 | 762,6 | 761,4 | 759,9 | 758,4 | 757,2 | 755,7 | 754,2 | 753,0 | 751,5 | 750,3 | 748,8 | 747,3 | 746,1 | 3 |
| 4 | 1022,4 | 1020,4 | 1018,8 | 1016,8 | 1015,2 | 1013,2 | 1011,2 | 1009,6 | 1007,6 | 1005,6 | 1004,0 | 1002,0 | 1000,4 | 998,4 | 996,4 | 994,8 | 4 |
| 5 | 1278,0 | 1275,5 | 1273,5 | 1271,0 | 1269,0 | 1266,5 | 1264,0 | 1262,0 | 1259,5 | 1257,0 | 1255,0 | 1252,5 | 1250,5 | 1248,0 | 1245,5 | 1243,5 | 5 |
| 6 | 1533,6 | 1530,6 | 1528,2 | 1525,2 | 1522,8 | 1519,8 | 1516,8 | 1514,4 | 1511,4 | 1508,4 | 1506,0 | 1503,0 | 1500,6 | 1497,6 | 1494,6 | 1492,2 | 6 |
| 7 | 1789,2 | 1785,7 | 1782,9 | 1779,4 | 1776,6 | 1773,1 | 1769,6 | 1766,8 | 1763,3 | 1759,8 | 1757,0 | 1753,5 | 1750,7 | 1747,2 | 1743,7 | 1740,9 | 7 |
| 8 | 2044,8 | 2040,8 | 2037,6 | 2033,6 | 2030,4 | 2026,4 | 2022,4 | 2019,2 | 2015,2 | 2011,2 | 2008,0 | 2004,0 | 2000,8 | 1996,8 | 1992,8 | 1989,6 | 8 |
| 9 | 2300,4 | 2295,9 | 2292,3 | 2287,8 | 2284,2 | 2279,7 | 2275,2 | 2271,6 | 2267,1 | 2262,6 | 2259,0 | 2254,5 | 2250,9 | 2246,4 | 2241,9 | 2238,3 | 9 |

| 1g c cc | 2481 | 0 | 2483 | 1 | 2483 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **75 oo** | 8.43 91032 | 8.1960 652 | 8.43 92673 | 8.1962 293 | 1.56 07327 | 9.99 98359 | **25 oo** |
| 10 | 93513 | 651 | 95156 | 294 | 04844 | 98357 | 90 |
| 20 | 95992 | 651 | 8.43 97636 | 295 | 1.56 02364 | 98355 | 80 |
| 30 | 8.43 98469 | 650 | 8.44 00116 | 297 | 1.55 99884 | 98353 | 70 |
| 40 | 8.44 00945 | 649 | 02594 | 298 | 97406 | 98351 | 60 |
| 50 | 03420 | 649 | 05070 | 299 | 94930 | 98350 | 50 |
| 60 | 05893 | 648 | 07545 | 300 | 92455 | 98348 | 40 |
| 70 | 08365 | 647 | 10019 | 302 | 89981 | 98346 | 30 |
| 80 | 10835 | 647 | 12492 | 303 | 87508 | 98344 | 20 |
| 90 | 13305 | 646 | 14963 | 304 | 85037 | 98342 | 10 |
| **76 oo** | 8.44 15772 | 8.1960 646 | 8.44 17432 | 8.1962 305 | 1.55 82568 | 9.99 98340 | **24 oo** |
| 10 | 18238 | 645 | 19900 | 307 | 80100 | 98338 | 90 |
| 20 | 20703 | 644 | 22367 | 308 | 77633 | 98336 | 80 |
| 30 | 23167 | 644 | 24832 | 309 | 75168 | 98334 | 70 |
| 40 | 25629 | 643 | 27296 | 310 | 72704 | 98333 | 60 |
| 50 | 28089 | 642 | 29759 | 312 | 70241 | 98331 | 50 |
| 60 | 30549 | 642 | 32220 | 313 | 67780 | 98329 | 40 |
| 70 | 33007 | 641 | 34680 | 314 | 65320 | 98327 | 30 |
| 80 | 35463 | 640 | 37138 | 315 | 62862 | 98325 | 20 |
| 90 | 37918 | 640 | 39595 | 317 | 60405 | 98323 | 10 |
| **77 oo** | 8.44 40372 | 8.1960 639 | 8.44 42051 | 8.1962 318 | 1.55 57949 | 9.99 98321 | **23 oo** |
| 10 | 42824 | 639 | 44505 | 319 | 55495 | 98319 | 90 |
| 20 | 45275 | 638 | 46958 | 321 | 53042 | 98317 | 80 |
| 30 | 47725 | 637 | 49409 | 322 | 50591 | 98316 | 70 |
| 40 | 50173 | 637 | 51859 | 323 | 48141 | 98314 | 60 |
| 50 | 52620 | 636 | 54308 | 324 | 45692 | 98312 | 50 |
| 60 | 55065 | 635 | 56755 | 326 | 43245 | 98310 | 40 |
| 70 | 57509 | 635 | 59201 | 327 | 40799 | 98308 | 30 |
| 80 | 59952 | 634 | 61646 | 328 | 38354 | 98306 | 20 |
| 90 | 62393 | 634 | 64089 | 329 | 35911 | 98304 | 10 |
| **78 oo** | 8.44 64833 | 8.1960 633 | 8.44 66531 | 8.1962 331 | 1.55 33469 | 9.99 98302 | **22 oo** |
| 10 | 67271 | 632 | 68971 | 332 | 31029 | 98300 | 90 |
| 20 | 69709 | 632 | 71410 | 333 | 28590 | 98298 | 80 |
| 30 | 72144 | 631 | 73848 | 335 | 26152 | 98296 | 70 |
| 40 | 74579 | 630 | 76284 | 336 | 23716 | 98295 | 60 |
| 50 | 77012 | 630 | 78719 | 337 | 21281 | 98293 | 50 |
| 60 | 79444 | 629 | 81153 | 338 | 18847 | 98291 | 40 |
| 70 | 81874 | 628 | 83585 | 340 | 16415 | 98289 | 30 |
| 80 | 84303 | 628 | 86016 | 341 | 13984 | 98287 | 20 |
| 90 | 86731 | 627 | 88446 | 342 | 11554 | 98285 | 10 |
| **79 oo** | 8.44 89157 | 8.1960 627 | 8.44 90874 | 8.1962 343 | 1.55 09126 | 9.99 98283 | **21 oo** |
| 10 | 91582 | 626 | 93301 | 345 | 06699 | 98281 | 90 |
| 20 | 94005 | 625 | 95726 | 346 | 04274 | 98279 | 80 |
| 30 | 96427 | 625 | 8.44 98150 | 347 | 1.55 01850 | 98277 | 70 |
| 40 | 8.44 98848 | 624 | 8.45 00573 | 349 | 1.54 99427 | 98275 | 60 |
| 50 | 8.45 01268 | 623 | 02994 | 350 | 97006 | 98273 | 50 |
| 60 | 03686 | 623 | 05414 | 351 | 94586 | 98272 | 40 |
| 70 | 06103 | 622 | 07833 | 352 | 92167 | 98270 | 30 |
| 80 | 08518 | 621 | 10251 | 354 | 89749 | 98268 | 20 |
| 90 | 10932 | 621 | 12667 | 355 | 87333 | 98266 | 10 |
| **80 oo** | 8.45 13345 | 8.1960 620 | 8.45 15081 | 8.1962 356 | 1.54 84919 | 9.99 98264 | **20 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 2413 | 1 | 2414 | 2 | 2414 | 2 | **98g** |

| | 2482 | 2478 | 2473 | 2468 | 2464 | 2459 | 2455 | 2450 | 2445 | 2441 | 2436 | 2431 | 2427 | 2422 | 2418 | 2413 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 248,2 | 247,8 | 247,3 | 246,8 | 246,4 | 245,9 | 245,5 | 245,0 | 244,5 | 244,1 | 243,6 | 243,1 | 242,7 | 242,2 | 241,8 | 241,3 | 1 |
| 2 | 496,4 | 495,6 | 494,6 | 493,6 | 492,8 | 491,8 | 491,0 | 490,0 | 489,0 | 488,2 | 487,2 | 486,2 | 485,4 | 484,4 | 483,6 | 482,6 | 2 |
| 3 | 744,6 | 743,4 | 741,9 | 740,4 | 739,2 | 737,7 | 736,5 | 735,0 | 733,5 | 732,3 | 730,8 | 729,3 | 728,1 | 726,6 | 725,4 | 723,9 | 3 |
| 4 | 992,8 | 991,2 | 989,2 | 987,2 | 985,6 | 983,6 | 982,0 | 980,0 | 978,0 | 976,4 | 974,4 | 972,4 | 970,8 | 968,8 | 967,2 | 965,2 | 4 |
| 5 | 1241,0 | 1239,0 | 1236,5 | 1234,0 | 1232,0 | 1229,5 | 1227,5 | 1225,0 | 1222,5 | 1220,5 | 1218,0 | 1215,5 | 1213,5 | 1211,0 | 1209,0 | 1206,5 | 5 |
| 6 | 1489,2 | 1486,8 | 1483,8 | 1480,8 | 1478,4 | 1475,4 | 1473,0 | 1470,0 | 1467,0 | 1464,6 | 1461,6 | 1458,6 | 1456,2 | 1453,2 | 1450,8 | 1447,8 | 6 |
| 7 | 1737,4 | 1734,6 | 1731,1 | 1727,6 | 1724,8 | 1721,3 | 1718,5 | 1715,0 | 1711,5 | 1708,7 | 1705,2 | 1701,7 | 1698,9 | 1695,4 | 1692,6 | 1689,1 | 7 |
| 8 | 1985,6 | 1982,4 | 1978,4 | 1974,4 | 1971,2 | 1967,2 | 1964,0 | 1960,0 | 1956,0 | 1952,8 | 1948,8 | 1944,8 | 1941,6 | 1937,6 | 1934,4 | 1930,4 | 8 |
| 9 | 2233,8 | 2230,2 | 2225,7 | 2221,2 | 2217,6 | 2213,1 | 2209,5 | 2205,0 | 2200,5 | 2196,9 | 2192,4 | 2187,9 | 2184,3 | 2179,8 | 2176,2 | 2171,7 | 9 |

| 1g c cc | 2412 | 0 | 2414 | 1 | 2414 | 1 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **80 oo** | 8.45 13345 | 8.1960 620 | 8.45 15081 | 8.1962 356 | 1.54 84919 | 9.99 98264 | **20 oo** |
| 10 | 15757 | 619 | 17495 | 358 | 82505 | 98262 | 90 |
| 20 | 18167 | 619 | 19907 | 359 | 80093 | 98260 | 80 |
| 30 | 20575 | 618 | 22317 | 360 | 77683 | 98258 | 70 |
| 40 | 22983 | 618 | 24727 | 361 | 75273 | 98256 | 60 |
| 50 | 25389 | 617 | 27135 | 363 | 72865 | 98254 | 50 |
| 60 | 27794 | 616 | 29541 | 364 | 70459 | 98252 | 40 |
| 70 | 30197 | 616 | 31947 | 365 | 68053 | 98250 | 30 |
| 80 | 32599 | 615 | 34351 | 367 | 65649 | 98248 | 20 |
| 90 | 35000 | 614 | 36754 | 368 | 63246 | 98246 | 10 |
| **81 oo** | 8.45 37399 | 8.1960 614 | 8.45 39155 | 8.1962 369 | 1.54 60845 | 9.99 98244 | **19 oo** |
| 10 | 39798 | 613 | 41555 | 370 | 58445 | 98243 | 90 |
| 20 | 42194 | 612 | 43954 | 372 | 56046 | 98241 | 80 |
| 30 | 44590 | 612 | 46351 | 373 | 53649 | 98239 | 70 |
| 40 | 46984 | 611 | 48747 | 374 | 51253 | 98237 | 60 |
| 50 | 49377 | 610 | 51142 | 376 | 48858 | 98235 | 50 |
| 60 | 51768 | 610 | 53535 | 377 | 46465 | 98233 | 40 |
| 70 | 54158 | 609 | 55928 | 378 | 44072 | 98231 | 30 |
| 80 | 56547 | 608 | 58318 | 380 | 41682 | 98229 | 20 |
| 90 | 58935 | 608 | 60708 | 381 | 39292 | 98227 | 10 |
| **82 oo** | 8.45 61321 | 8.1960 607 | 8.45 63096 | 8.1962 382 | 1.54 36904 | 9.99 98225 | **18 oo** |
| 10 | 63706 | 607 | 65483 | 383 | 34517 | 98223 | 90 |
| 20 | 66090 | 606 | 67868 | 385 | 32132 | 98221 | 80 |
| 30 | 68472 | 605 | 70253 | 386 | 29747 | 98219 | 70 |
| 40 | 70853 | 605 | 72636 | 387 | 27364 | 98217 | 60 |
| 50 | 73233 | 604 | 75017 | 389 | 24983 | 98215 | 50 |
| 60 | 75611 | 603 | 77398 | 390 | 22602 | 98213 | 40 |
| 70 | 77988 | 603 | 79777 | 391 | 20223 | 98211 | 30 |
| 80 | 80364 | 602 | 82155 | 393 | 17845 | 98209 | 20 |
| 90 | 82738 | 601 | 84531 | 394 | 15469 | 98207 | 10 |
| **83 oo** | 8.45 85112 | 8.1960 601 | 8.45 86906 | 8.1962 395 | 1.54 13094 | 9.99 98205 | **17 oo** |
| 10 | 87483 | 600 | 89280 | 397 | 10720 | 98203 | 90 |
| 20 | 89854 | 599 | 91653 | 398 | 08347 | 98202 | 80 |
| 30 | 92223 | 599 | 94024 | 399 | 05976 | 98200 | 70 |
| 40 | 94591 | 598 | 96394 | 400 | 03606 | 98198 | 60 |
| 50 | 96958 | 597 | 8.45 98762 | 402 | 1.54 01238 | 98196 | 50 |
| 60 | 8.45 99323 | 597 | 8.46 01130 | 403 | 1.53 98870 | 98194 | 40 |
| 70 | 8.46 01688 | 596 | 03496 | 404 | 96504 | 98192 | 30 |
| 80 | 04050 | 595 | 05861 | 406 | 94139 | 98190 | 20 |
| 90 | 06412 | 595 | 08224 | 407 | 91776 | 98188 | 10 |
| **84 oo** | 8.46 08772 | 8.1960 594 | 8.46 10587 | 8.1962 408 | 1.53 89413 | 9.99 98186 | **16 oo** |
| 10 | 11131 | 593 | 12948 | 410 | 87052 | 98184 | 90 |
| 20 | 13489 | 593 | 15307 | 411 | 84693 | 98182 | 80 |
| 30 | 15845 | 592 | 17666 | 412 | 82334 | 98180 | 70 |
| 40 | 18201 | 591 | 20023 | 414 | 79977 | 98178 | 60 |
| 50 | 20555 | 591 | 22379 | 415 | 77621 | 98176 | 50 |
| 60 | 22907 | 590 | 24733 | 416 | 75267 | 98174 | 40 |
| 70 | 25258 | 589 | 27086 | 418 | 72914 | 98172 | 30 |
| 80 | 27608 | 589 | 29439 | 419 | 70561 | 98170 | 20 |
| 90 | 29957 | 588 | 31789 | 420 | 68211 | 98168 | 10 |
| **85 oo** | 8.46 32305 | 8.1960 588 | 8.46 34139 | 8.1962 422 | 1.53 65861 | 9.99 98166 | **15 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 2348 | 1 | 2350 | 2 | 2350 | 2 | 98g |

| | 2414 | 2410 | 2406 | 2402 | 2397 | 2393 | 2389 | 2385 | 2381 | 2377 | 2373 | 2369 | 2364 | 2360 | 2356 | 2352 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 241,4 | 241,0 | 240,6 | 240,2 | 239,7 | 239,3 | 238,9 | 238,5 | 238,1 | 237,7 | 237,3 | 236,9 | 236,4 | 236,0 | 235,6 | 235,2 | 1 |
| 2 | 482,8 | 482,0 | 481,2 | 480,4 | 479,4 | 478,6 | 477,8 | 477,0 | 476,2 | 475,4 | 474,6 | 473,8 | 472,8 | 472,0 | 471,2 | 470,4 | 2 |
| 3 | 724,2 | 723,0 | 721,8 | 720,6 | 719,1 | 717,9 | 716,7 | 715,5 | 714,3 | 713,1 | 711,9 | 710,7 | 709,2 | 708,0 | 706,8 | 705,6 | 3 |
| 4 | 965,6 | 964,0 | 962,4 | 960,8 | 958,8 | 957,2 | 955,6 | 954,0 | 952,4 | 950,8 | 949,2 | 947,6 | 945,6 | 944,0 | 942,4 | 940,8 | 4 |
| 5 | 1207,0 | 1205,0 | 1203,0 | 1201,0 | 1198,5 | 1196,5 | 1194,5 | 1192,5 | 1190,5 | 1188,5 | 1186,5 | 1184,5 | 1182,0 | 1180,0 | 1178,0 | 1176,0 | 5 |
| 6 | 1448,4 | 1446,0 | 1443,6 | 1441,2 | 1438,2 | 1435,8 | 1433,4 | 1431,0 | 1428,6 | 1426,2 | 1423,8 | 1421,4 | 1418,4 | 1416,0 | 1413,6 | 1411,2 | 6 |
| 7 | 1689,8 | 1687,0 | 1684,2 | 1681,4 | 1677,9 | 1675,1 | 1672,3 | 1669,5 | 1666,7 | 1663,9 | 1661,1 | 1658,3 | 1654,8 | 1652,0 | 1649,2 | 1646,4 | 7 |
| 8 | 1931,2 | 1928,0 | 1924,8 | 1921,6 | 1917,6 | 1914,4 | 1911,2 | 1908,0 | 1904,8 | 1901,6 | 1898,4 | 1895,2 | 1891,2 | 1888,0 | 1884,8 | 1881,6 | 8 |
| 9 | 2172,6 | 2169,0 | 2165,4 | 2161,8 | 2157,3 | 2153,7 | 2150,1 | 2146,5 | 2142,9 | 2139,3 | 2135,7 | 2132,1 | 2127,6 | 2124,0 | 2120,4 | 2116,8 | 9 |

| 1g c cc | 2346 | 0 | 2348 | 1 | 2348 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **85 oo** | 8.46 32305 | 8.1960 588 | 8.46 34139 | 8.1962 422 | 1.53 65861 | 9.99 98166 | **15 oo** |
| 10 | 34651 | 587 | 36487 | 423 | 63513 | 98164 | 90 |
| 20 | 36996 | 586 | 38834 | 424 | 61166 | 98162 | 80 |
| 30 | 39340 | 586 | 41180 | 425 | 58820 | 98160 | 70 |
| 40 | 41682 | 585 | 43524 | 427 | 56476 | 98158 | 60 |
| 50 | 44023 | 584 | 45867 | 428 | 54133 | 98156 | 50 |
| 60 | 46363 | 584 | 48209 | 429 | 51791 | 98154 | 40 |
| 70 | 48702 | 583 | 50550 | 431 | 49450 | 98152 | 30 |
| 80 | 51039 | 582 | 52889 | 432 | 47111 | 98150 | 20 |
| 90 | 53375 | 582 | 55227 | 433 | 44773 | 98148 | 10 |
| **86 oo** | 8.46 55710 | 8.1960 581 | 8.46 57564 | 8.1962 435 | 1.53 42436 | 9.99 98146 | **14 oo** |
| 10 | 58044 | 580 | 59900 | 436 | 40100 | 98144 | 90 |
| 20 | 60376 | 580 | 62234 | 437 | 37766 | 98142 | 80 |
| 30 | 62707 | 579 | 64567 | 439 | 35433 | 98140 | 70 |
| 40 | 65037 | 578 | 66899 | 440 | 33101 | 98138 | 60 |
| 50 | 67366 | 578 | 69230 | 441 | 30770 | 98136 | 50 |
| 60 | 69693 | 577 | 71559 | 443 | 28441 | 98134 | 40 |
| 70 | 72019 | 576 | 73887 | 444 | 26113 | 98132 | 30 |
| 80 | 74344 | 576 | 76214 | 445 | 23786 | 98130 | 20 |
| 90 | 76668 | 575 | 78540 | 447 | 21460 | 98128 | 10 |
| **87 oo** | 8.46 78990 | 8.1960 574 | 8.46 80864 | 8.1962 448 | 1.53 19136 | 9.99 98126 | **13 oo** |
| 10 | 81311 | 574 | 83187 | 449 | 16813 | 98124 | 90 |
| 20 | 83631 | 573 | 85509 | 451 | 14491 | 98122 | 80 |
| 30 | 85950 | 572 | 87830 | 452 | 12170 | 98120 | 70 |
| 40 | 88267 | 572 | 90149 | 453 | 09851 | 98118 | 60 |
| 50 | 90584 | 571 | 92468 | 455 | 07532 | 98116 | 50 |
| 60 | 92899 | 570 | 94784 | 456 | 05216 | 98114 | 40 |
| 70 | 95212 | 570 | 97100 | 457 | 02900 | 98112 | 30 |
| 80 | 97525 | 569 | 8.46 99415 | 459 | 1.53 00585 | 98110 | 20 |
| 90 | 8.46 99836 | 568 | 8.47 01728 | 460 | 1.52 98272 | 98108 | 10 |
| **88 oo** | 8.47 02146 | 8.1960 568 | 8.47 04040 | 8.1962 461 | 1.52 95960 | 9.99 98106 | **12 oo** |
| 10 | 04455 | 567 | 06351 | 463 | 93649 | 98104 | 90 |
| 20 | 06762 | 566 | 08660 | 464 | 91340 | 98102 | 80 |
| 30 | 09069 | 566 | 10969 | 466 | 89031 | 98100 | 70 |
| 40 | 11374 | 565 | 13276 | 467 | 86724 | 98098 | 60 |
| 50 | 13678 | 564 | 15582 | 468 | 84418 | 98096 | 50 |
| 60 | 15980 | 563 | 17886 | 470 | 82114 | 98094 | 40 |
| 70 | 18282 | 563 | 20190 | 471 | 79810 | 98092 | 30 |
| 80 | 20582 | 562 | 22492 | 472 | 77508 | 98090 | 20 |
| 90 | 22881 | 561 | 24793 | 474 | 75207 | 98088 | 10 |
| **89 oo** | 8.47 25179 | 8.1960 561 | 8.47 27093 | 8.1962 475 | 1.52 72907 | 9.99 98086 | **11 oo** |
| 10 | 27475 | 560 | 29392 | 476 | 70608 | 98084 | 90 |
| 20 | 29771 | 559 | 31689 | 478 | 68311 | 98082 | 80 |
| 30 | 32065 | 559 | 33985 | 479 | 66015 | 98080 | 70 |
| 40 | 34358 | 558 | 36280 | 480 | 63720 | 98078 | 60 |
| 50 | 36650 | 557 | 38574 | 482 | 61426 | 98076 | 50 |
| 60 | 38940 | 557 | 40866 | 483 | 59134 | 98074 | 40 |
| 70 | 41229 | 556 | 43158 | 484 | 56842 | 98072 | 30 |
| 80 | 43517 | 555 | 45448 | 486 | 54552 | 98070 | 20 |
| 90 | 45804 | 555 | 47737 | 487 | 52263 | 98068 | 10 |
| **90 oo** | 8.47 48090 | 8.1960 554 | 8.47 50025 | 8.1962 489 | 1.52 49975 | 9.99 98066 | **10 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 2286 | 1 | 2288 | 2 | 2288 | 2 | **98g** |

| | 2348 | 2344 | 2340 | 2336 | 2331 | 2327 | 2323 | 2319 | 2315 | 2311 | 2307 | 2303 | 2298 | 2294 | 2290 | 2286 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 234,8 | 234,4 | 234,0 | 233,6 | 233,1 | 232,7 | 232,3 | 231,9 | 231,5 | 231,1 | 230,7 | 230,3 | 229,8 | 229,4 | 229,0 | 228,6 | 1 |
| 2 | 469,6 | 468,8 | 468,0 | 467,2 | 466,2 | 465,4 | 464,6 | 463,8 | 463,0 | 462,2 | 461,4 | 460,6 | 459,6 | 458,8 | 458,0 | 457,2 | 2 |
| 3 | 704,4 | 703,2 | 702,0 | 700,8 | 699,3 | 698,1 | 696,9 | 695,7 | 694,5 | 693,3 | 692,1 | 690,9 | 689,4 | 688,2 | 687,0 | 685,8 | 3 |
| 4 | 939,2 | 937,6 | 936,0 | 934,4 | 932,4 | 930,8 | 929,2 | 927,6 | 926,0 | 924,4 | 922,8 | 921,2 | 919,2 | 917,6 | 916,0 | 914,4 | 4 |
| 5 | 1174,0 | 1172,0 | 1170,0 | 1168,0 | 1165,5 | 1163,5 | 1161,5 | 1159,5 | 1157,5 | 1155,5 | 1153,5 | 1151,5 | 1149,0 | 1147,0 | 1145,0 | 1143,0 | 5 |
| 6 | 1408,8 | 1406,4 | 1404,0 | 1401,6 | 1398,6 | 1396,2 | 1393,8 | 1391,4 | 1389,0 | 1386,6 | 1384,2 | 1381,8 | 1378,8 | 1376,4 | 1374,0 | 1371,6 | 6 |
| 7 | 1643,6 | 1640,8 | 1638,0 | 1635,2 | 1631,7 | 1628,9 | 1626,1 | 1623,3 | 1620,5 | 1617,7 | 1614,9 | 1612,1 | 1608,6 | 1605,8 | 1603,0 | 1600,2 | 7 |
| 8 | 1878,4 | 1875,2 | 1872,0 | 1868,8 | 1864,8 | 1861,6 | 1858,4 | 1855,2 | 1852,0 | 1848,8 | 1845,6 | 1842,4 | 1838,4 | 1835,2 | 1832,0 | 1828,8 | 8 |
| 9 | 2113,2 | 2109,6 | 2106,0 | 2102,4 | 2097,9 | 2094,3 | 2090,7 | 2087,1 | 2083,5 | 2079,9 | 2076,3 | 2072,7 | 2068,2 | 2064,6 | 2061,0 | 2057,4 | 9 |

| 1g c cc | 2285 | 0 | 2286 | 1 | 2286 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **90 oo** | 8.47 48090 | 8.1960 554 | 8.47 50025 | 8.1962 489 | 1.52 49975 | 9.99 98066 | **10 oo** |
| 10 | 50375 | 553 | 52311 | 490 | 47689 | 98063 | 90 |
| 20 | 52658 | 553 | 54596 | 491 | 45404 | 98061 | 80 |
| 30 | 54940 | 552 | 56880 | 493 | 43120 | 98059 | 70 |
| 40 | 57221 | 551 | 59163 | 494 | 40837 | 98057 | 60 |
| 50 | 59500 | 551 | 61445 | 495 | 38555 | 98055 | 50 |
| 60 | 61779 | 550 | 63726 | 497 | 36274 | 98053 | 40 |
| 70 | 64056 | 549 | 66005 | 498 | 33995 | 98051 | 30 |
| 80 | 66332 | 549 | 68283 | 499 | 31717 | 98049 | 20 |
| 90 | 68607 | 548 | 70560 | 501 | 29440 | 98047 | 10 |
| **91 oo** | 8.47 70881 | 8.1960 547 | 8.47 72836 | 8.1962 502 | 1.52 27164 | 9.99 98045 | **09 oo** |
| 10 | 73153 | 547 | 75110 | 503 | 24890 | 98043 | 90 |
| 20 | 75425 | 546 | 77384 | 505 | 22616 | 98041 | 80 |
| 30 | 77695 | 545 | 79656 | 506 | 20344 | 98039 | 70 |
| 40 | 79964 | 544 | 81927 | 508 | 18073 | 98037 | 60 |
| 50 | 82232 | 544 | 84197 | 509 | 15803 | 98035 | 50 |
| 60 | 84498 | 543 | 86465 | 510 | 13535 | 98033 | 40 |
| 70 | 86764 | 542 | 88733 | 512 | 11267 | 98031 | 30 |
| 80 | 89028 | 542 | 90999 | 513 | 09001 | 98029 | 20 |
| 90 | 91291 | 541 | 93264 | 514 | 06736 | 98027 | 10 |
| **92 oo** | 8.47 93553 | 8.1960 540 | 8.47 95528 | 8.1962 516 | 1.52 04472 | 9.99 98025 | **08 oo** |
| 10 | 95813 | 540 | 8.47 97791 | 517 | 1.52 02209 | 98023 | 90 |
| 20 | 8.47 98073 | 539 | 8.48 00052 | 519 | 1.51 99948 | 98020 | 80 |
| 30 | 8.48 00331 | 538 | 02313 | 520 | 97687 | 98018 | 70 |
| 40 | 02588 | 538 | 04572 | 521 | 95428 | 98016 | 60 |
| 50 | 04844 | 537 | 06830 | 523 | 93170 | 98014 | 50 |
| 60 | 07099 | 536 | 09087 | 524 | 90913 | 98012 | 40 |
| 70 | 09353 | 536 | 11343 | 525 | 88657 | 98010 | 30 |
| 80 | 11605 | 535 | 13597 | 527 | 86403 | 98008 | 20 |
| 90 | 13856 | 534 | 15850 | 528 | 84150 | 98006 | 10 |
| **93 oo** | 8.48 16107 | 8.1960 533 | 8.48 18103 | 8.1962 530 | 1.51 81897 | 9.99 98004 | **07 oo** |
| 10 | 18356 | 533 | 20354 | 531 | 79646 | 98002 | 90 |
| 20 | 20603 | 532 | 22604 | 532 | 77396 | 98000 | 80 |
| 30 | 22850 | 531 | 24852 | 534 | 75148 | 97998 | 70 |
| 40 | 25095 | 531 | 27100 | 535 | 72900 | 97996 | 60 |
| 50 | 27340 | 530 | 29346 | 536 | 70654 | 97994 | 50 |
| 60 | 29583 | 529 | 31591 | 538 | 68409 | 97992 | 40 |
| 70 | 31825 | 529 | 33835 | 539 | 66165 | 97989 | 30 |
| 80 | 34066 | 528 | 36078 | 541 | 63922 | 97987 | 20 |
| 90 | 36305 | 527 | 38320 | 542 | 61680 | 97985 | 10 |
| **94 oo** | 8.48 38544 | 8.1960 527 | 8.48 40561 | 8.1962 543 | 1.51 59439 | 9.99 97983 | **06 oo** |
| 10 | 40781 | 526 | 42800 | 545 | 57200 | 97981 | 90 |
| 20 | 43017 | 525 | 45038 | 546 | 54962 | 97979 | 80 |
| 30 | 45253 | 525 | 47276 | 548 | 52724 | 97977 | 70 |
| 40 | 47486 | 524 | 49512 | 549 | 50488 | 97975 | 60 |
| 50 | 49719 | 523 | 51746 | 550 | 48254 | 97973 | 50 |
| 60 | 51951 | 522 | 53980 | 552 | 46020 | 97971 | 40 |
| 70 | 54181 | 522 | 56213 | 553 | 43787 | 97969 | 30 |
| 80 | 56411 | 521 | 58444 | 555 | 41556 | 97967 | 20 |
| 90 | 58639 | 520 | 60674 | 556 | 39326 | 97964 | 10 |
| **95 oo** | 8.48 60866 | 8.1960 520 | 8.48 62903 | 8.1962 557 | 1.51 37097 | 9.99 97962 | **05 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 2227 | 1 | 2229 | 2 | 2229 | 3 | 98g |

| | 2286 | 2282 | 2279 | 2275 | 2271 | 2267 | 2264 | 2260 | 2256 | 2253 | 2249 | 2245 | 2241 | 2238 | 2234 | 2230 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 228,6 | 228,2 | 227,9 | 227,5 | 227,1 | 226,7 | 226,4 | 226,0 | 225,6 | 225,3 | 224,9 | 224,5 | 224,1 | 223,8 | 223,4 | 223,0 | 1 |
| 2 | 457,2 | 456,4 | 455,8 | 455,0 | 454,2 | 453,4 | 452,8 | 452,0 | 451,2 | 450,6 | 449,8 | 449,0 | 448,2 | 447,6 | 446,8 | 446,0 | 2 |
| 3 | 685,8 | 684,6 | 683,7 | 682,5 | 681,3 | 680,1 | 679,2 | 678,0 | 676,8 | 675,9 | 674,7 | 673,5 | 672,3 | 671,4 | 670,2 | 669,0 | 3 |
| 4 | 914,4 | 912,8 | 911,6 | 910,0 | 908,4 | 906,8 | 905,6 | 904,0 | 902,4 | 901,2 | 899,6 | 898,0 | 896,4 | 895,2 | 893,6 | 892,0 | 4 |
| 5 | 1143,0 | 1141,0 | 1139,5 | 1137,5 | 1135,5 | 1133,5 | 1132,0 | 1130,0 | 1128,0 | 1126,5 | 1124,5 | 1122,5 | 1120,5 | 1119,0 | 1117,0 | 1115,0 | 5 |
| 6 | 1371,6 | 1369,2 | 1367,4 | 1365,0 | 1362,6 | 1360,2 | 1358,4 | 1356,0 | 1353,6 | 1351,8 | 1349,4 | 1347,0 | 1344,6 | 1342,8 | 1340,4 | 1338,0 | 6 |
| 7 | 1600,2 | 1597,4 | 1595,3 | 1592,5 | 1589,7 | 1586,9 | 1584,8 | 1582,0 | 1579,2 | 1577,1 | 1574,3 | 1571,5 | 1568,7 | 1566,6 | 1563,8 | 1561,0 | 7 |
| 8 | 1828,8 | 1825,6 | 1823,2 | 1820,0 | 1816,8 | 1813,6 | 1811,2 | 1808,0 | 1804,8 | 1802,4 | 1799,2 | 1796,0 | 1792,8 | 1790,4 | 1787,2 | 1784,0 | 8 |
| 9 | 2057,4 | 2053,8 | 2051,1 | 2047,5 | 2043,9 | 2040,3 | 2037,6 | 2034,0 | 2030,4 | 2027,7 | 2024,1 | 2020,5 | 2016,9 | 2014,2 | 2010,6 | 2007,0 | 9 |

| $1^g$ c cc | 2226 log sin | 0 S | 2228 log tg | 1 T | 2228 log ctg | 2 log cos | |
|---|---|---|---|---|---|---|---|
| **95 oo** | 8.48 60866 | 8.1960 520 | 8.48 62903 | 8.1962 557 | 1.51 37097 | 9.99 97962 | **05 oo** |
| 10 | 63092 | 519 | 65131 | 559 | 34869 | 97960 | 90 |
| 20 | 65316 | 518 | 67358 | 560 | 32642 | 97958 | 80 |
| 30 | 67540 | 518 | 69584 | 561 | 30416 | 97956 | 70 |
| 40 | 69762 | 517 | 71808 | 563 | 28192 | 97954 | 60 |
| 50 | 71984 | 516 | 74032 | 564 | 25968 | 97952 | 50 |
| 60 | 74204 | 515 | 76254 | 566 | 23746 | 97950 | 40 |
| 70 | 76423 | 515 | 78475 | 567 | 21525 | 97948 | 30 |
| 80 | 78641 | 514 | 80695 | 568 | 19305 | 97946 | 20 |
| 90 | 80858 | 513 | 82914 | 570 | 17086 | 97943 | 10 |
| **96 oo** | 8.48 83073 | 8.1960 513 | 8.48 85132 | 8.1962 571 | 1.51 14868 | 9.99 97941 | **04 oo** |
| 10 | 85288 | 512 | 87349 | 573 | 12651 | 97939 | 90 |
| 20 | 87501 | 511 | 89564 | 574 | 10436 | 97937 | 80 |
| 30 | 89714 | 511 | 91778 | 575 | 08222 | 97935 | 70 |
| 40 | 91925 | 510 | 93992 | 577 | 06008 | 97933 | 60 |
| 50 | 94135 | 509 | 96204 | 578 | 03796 | 97931 | 50 |
| 60 | 96344 | 508 | 8.48 98415 | 580 | 1.51 01585 | 97929 | 40 |
| 70 | 8.48 98551 | 508 | 8.49 00625 | 581 | 1.50 99375 | 97927 | 30 |
| 80 | 8.49 00758 | 507 | 02833 | 582 | 97167 | 97925 | 20 |
| 90 | 02963 | 506 | 05041 | 584 | 94959 | 97922 | 10 |
| **97 oo** | 8.49 05168 | 8.1960 506 | 8.49 07248 | 8.1962 585 | 1.50 92752 | 9.99 97920 | **03 oo** |
| 10 | 07371 | 505 | 09453 | 587 | 90547 | 97918 | 90 |
| 20 | 09573 | 504 | 11657 | 588 | 88343 | 97916 | 80 |
| 30 | 11774 | 504 | 13860 | 590 | 86140 | 97914 | 70 |
| 40 | 13974 | 503 | 16062 | 591 | 83938 | 97912 | 60 |
| 50 | 16173 | 502 | 18263 | 592 | 81737 | 97910 | 50 |
| 60 | 18371 | 501 | 20463 | 594 | 79537 | 97908 | 40 |
| 70 | 20567 | 501 | 22662 | 595 | 77338 | 97906 | 30 |
| 80 | 22763 | 500 | 24859 | 597 | 75141 | 97903 | 20 |
| 90 | 24957 | 499 | 27056 | 598 | 72944 | 97901 | 10 |
| **98 oo** | 8.49 27150 | 8.1960 499 | 8.49 29251 | 8.1962 599 | 1.50 70749 | 9.99 97899 | **02 oo** |
| 10 | 29343 | 498 | 31446 | 601 | 68554 | 97897 | 90 |
| 20 | 31534 | 497 | 33639 | 602 | 66361 | 97895 | 80 |
| 30 | 33724 | 496 | 35831 | 604 | 64169 | 97893 | 70 |
| 40 | 35912 | 496 | 38022 | 605 | 61978 | 97891 | 60 |
| 50 | 38100 | 495 | 40212 | 607 | 59788 | 97889 | 50 |
| 60 | 40287 | 494 | 42400 | 608 | 57600 | 97886 | 40 |
| 70 | 42472 | 494 | 44588 | 609 | 55412 | 97884 | 30 |
| 80 | 44657 | 493 | 46775 | 611 | 53225 | 97882 | 20 |
| 90 | 46840 | 492 | 48960 | 612 | 51040 | 97880 | 10 |
| **99 oo** | 8.49 49022 | 8.1960 491 | 8.49 51144 | 8.1962 614 | 1.50 48856 | 9.99 97878 | **01 oo** |
| 10 | 51203 | 491 | 53328 | 615 | 46672 | 97876 | 90 |
| 20 | 53383 | 490 | 55510 | 616 | 44490 | 97874 | 80 |
| 30 | 55562 | 489 | 57691 | 618 | 42309 | 97871 | 70 |
| 40 | 57740 | 489 | 59871 | 619 | 40129 | 97869 | 60 |
| 50 | 59917 | 488 | 62050 | 621 | 37950 | 97867 | 50 |
| 60 | 62093 | 487 | 64228 | 622 | 35772 | 97865 | 40 |
| 70 | 64267 | 487 | 66404 | 624 | 33596 | 97863 | 30 |
| 80 | 66441 | 486 | 68580 | 625 | 31420 | 97861 | 20 |
| 90 | 68613 | 485 | 70754 | 626 | 29246 | 97859 | 10 |
| **100 oo** | 8.49 70784 | 8.1960 484 | 8.49 72928 | 8.1962 628 | 1.50 27072 | 9.99 97856 | **00 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $98^g$ |
| | 2171 | 1 | 2174 | 2 | 2174 | 3 | |

| | 2227 | 2223 | 2219 | 2216 | 2212 | 2208 | 2204 | 2201 | 2197 | 2193 | 2190 | 2186 | 2182 | 2178 | 2175 | 2171 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 222,7 | 222,3 | 221,9 | 221,6 | 221,2 | 220,8 | 220,4 | 220,1 | 219,7 | 219,3 | 219,0 | 218,6 | 218,2 | 217,8 | 217,5 | 217,1 | 1 |
| 2 | 445,4 | 444,6 | 443,8 | 443,2 | 442,4 | 441,6 | 440,8 | 440,2 | 439,4 | 438,6 | 438,0 | 437,2 | 436,4 | 435,6 | 435,0 | 434,2 | 2 |
| 3 | 668,1 | 666,9 | 665,7 | 664,8 | 663,6 | 662,4 | 661,2 | 660,3 | 659,1 | 657,9 | 657,0 | 655,8 | 654,6 | 653,4 | 652,5 | 651,3 | 3 |
| 4 | 890,8 | 889,2 | 887,6 | 886,4 | 884,8 | 883,2 | 881,6 | 880,4 | 878,8 | 877,2 | 876,0 | 874,4 | 872,8 | 871,2 | 870,0 | 868,4 | 4 |
| 5 | 1113,5 | 1111,5 | 1109,5 | 1108,0 | 1106,0 | 1104,0 | 1102,0 | 1100,5 | 1098,5 | 1096,5 | 1095,0 | 1093,0 | 1091,0 | 1089,0 | 1087,5 | 1085,5 | 5 |
| 6 | 1336,2 | 1333,8 | 1331,4 | 1329,6 | 1327,2 | 1324,8 | 1322,4 | 1320,6 | 1318,2 | 1315,8 | 1314,0 | 1311,6 | 1309,2 | 1306,8 | 1305,0 | 1302,6 | 6 |
| 7 | 1558,9 | 1556,1 | 1553,3 | 1551,2 | 1548,4 | 1545,6 | 1542,8 | 1540,7 | 1537,9 | 1535,1 | 1533,0 | 1530,2 | 1527,4 | 1524,6 | 1522,5 | 1519,7 | 7 |
| 8 | 1781,6 | 1778,4 | 1775,2 | 1772,8 | 1769,6 | 1766,4 | 1763,2 | 1760,8 | 1757,6 | 1754,4 | 1752,0 | 1748,8 | 1745,6 | 1742,4 | 1740,0 | 1736,8 | 8 |
| 9 | 2004,3 | 2000,7 | 1997,1 | 1994,4 | 1990,8 | 1987,2 | 1983,6 | 1980,9 | 1977,3 | 1973,7 | 1971,0 | 1967,4 | 1963,8 | 1960,2 | 1957,5 | 1953,9 | 9 |

| $2^g$ c cc | 2171 | 0 | 2172 | 1 | 2172 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **00 oo** | 8.49 70784 | 8.1960 484 | 8.49 72928 | 8.1962 628 | 1.50 27072 | 9.99 97856 | **100 oo** |
| 10 | 72955 | 484 | 75100 | 629 | 24900 | 97854 | 90 |
| 20 | 75124 | 483 | 77271 | 631 | 22729 | 97852 | 80 |
| 30 | 77292 | 482 | 79442 | 632 | 20558 | 97850 | 70 |
| 40 | 79459 | 482 | 81611 | 634 | 18389 | 97848 | 60 |
| 50 | 81625 | 481 | 83779 | 635 | 16221 | 97846 | 50 |
| 60 | 83789 | 480 | 85946 | 636 | 14054 | 97844 | 40 |
| 70 | 85953 | 479 | 88112 | 638 | 11888 | 97841 | 30 |
| 80 | 88116 | 479 | 90276 | 639 | 09724 | 97839 | 20 |
| 90 | 90277 | 478 | 92440 | 641 | 07560 | 97837 | 10 |
| **01 oo** | 8.49 92438 | 8.1960 477 | 8.49 94603 | 8.1962 642 | 1.50 05397 | 9.99 97835 | **99 oo** |
| 10 | 94597 | 476 | 96764 | 644 | 03236 | 97833 | 90 |
| 20 | 96756 | 476 | 8.49 98925 | 645 | 1.50 01075 | 97831 | 80 |
| 30 | 8.49 98913 | 475 | 8.50 01084 | 647 | 1.49 98916 | 97829 | 70 |
| 40 | 8.50 01069 | 474 | 03243 | 648 | 96757 | 97826 | 60 |
| 50 | 03224 | 474 | 05400 | 649 | 94600 | 97824 | 50 |
| 60 | 05378 | 473 | 07556 | 651 | 92444 | 97822 | 40 |
| 70 | 07531 | 472 | 09711 | 652 | 90289 | 97820 | 30 |
| 80 | 09683 | 471 | 11865 | 654 | 88135 | 97818 | 20 |
| 90 | 11834 | 471 | 14018 | 655 | 85982 | 97816 | 10 |
| **02 oo** | 8.50 13984 | 8.1960 470 | 8.50 16170 | 8.1962 657 | 1.49 83830 | 9.99 97813 | **98 oo** |
| 10 | 16132 | 469 | 18321 | 658 | 81679 | 97811 | 90 |
| 20 | 18280 | 469 | 20471 | 659 | 79529 | 97809 | 80 |
| 30 | 20427 | 468 | 22620 | 661 | 77380 | 97807 | 70 |
| 40 | 22572 | 467 | 24767 | 662 | 75233 | 97805 | 60 |
| 50 | 24717 | 466 | 26914 | 664 | 73086 | 97803 | 50 |
| 60 | 26860 | 466 | 29060 | 665 | 70940 | 97800 | 40 |
| 70 | 29002 | 465 | 31204 | 667 | 68796 | 97798 | 30 |
| 80 | 31144 | 464 | 33348 | 668 | 66652 | 97796 | 20 |
| 90 | 33284 | 463 | 35490 | 670 | 64510 | 97794 | 10 |
| **03 oo** | 8.50 35423 | 8.1960 463 | 8.50 37631 | 8.1962 671 | 1.49 62369 | 9.99 97792 | **97 oo** |
| 10 | 37561 | 462 | 39772 | 673 | 60228 | 97790 | 90 |
| 20 | 39698 | 461 | 41911 | 674 | 58089 | 97787 | 80 |
| 30 | 41834 | 461 | 44049 | 675 | 55951 | 97785 | 70 |
| 40 | 43969 | 460 | 46186 | 677 | 53814 | 97783 | 60 |
| 50 | 46103 | 459 | 48322 | 678 | 51678 | 97781 | 50 |
| 60 | 48236 | 458 | 50458 | 680 | 49542 | 97779 | 40 |
| 70 | 50368 | 458 | 52592 | 681 | 47408 | 97776 | 30 |
| 80 | 52499 | 457 | 54725 | 683 | 45275 | 97774 | 20 |
| 90 | 54628 | 456 | 56856 | 684 | 43144 | 97772 | 10 |
| **04 oo** | 8.50 56757 | 8.1960 455 | 8.50 58987 | 8.1962 686 | 1.49 41013 | 9.99 97770 | **96 oo** |
| 10 | 58885 | 455 | 61117 | 687 | 38883 | 97768 | 90 |
| 20 | 61011 | 454 | 63246 | 689 | 36754 | 97766 | 80 |
| 30 | 63137 | 453 | 65374 | 690 | 34626 | 97763 | 70 |
| 40 | 65261 | 453 | 67500 | 691 | 32500 | 97761 | 60 |
| 50 | 67385 | 452 | 69626 | 693 | 30374 | 97759 | 50 |
| 60 | 69507 | 451 | 71751 | 694 | 28249 | 97757 | 40 |
| 70 | 71629 | 450 | 73874 | 696 | 26126 | 97755 | 30 |
| 80 | 73749 | 450 | 75997 | 697 | 24003 | 97752 | 20 |
| 90 | 75869 | 449 | 78118 | 699 | 21882 | 97750 | 10 |
| **05 oo** | 8.50 77987 | 8.1960 448 | 8.50 80239 | 8.1962 700 | 1.49 19761 | 9.99 97748 | **95 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 2118 | 1 | 2121 | 2 | 2121 | 3 | $97^g$ |

| | 2172 | 2169 | 2165 | 2162 | 2159 | 2155 | 2152 | 2149 | 2145 | 2142 | 2138 | 2135 | 2132 | 2128 | 2125 | 2122 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 217,2 | 216,9 | 216,5 | 216,2 | 215,9 | 215,5 | 215,2 | 214,9 | 214,5 | 214,2 | 213,8 | 213,5 | 213,2 | 212,8 | 212,5 | 212,2 | 1 |
| 2 | 434,4 | 433,8 | 433,0 | 432,4 | 431,8 | 431,0 | 430,4 | 429,8 | 429,0 | 428,4 | 427,6 | 427,0 | 426,4 | 425,6 | 425,0 | 424,4 | 2 |
| 3 | 651,6 | 650,7 | 649,5 | 648,6 | 647,7 | 646,5 | 645,6 | 644,7 | 643,5 | 642,6 | 641,4 | 640,5 | 639,6 | 638,4 | 637,5 | 636,6 | 3 |
| 4 | 868,8 | 867,6 | 866,0 | 864,8 | 863,6 | 862,0 | 860,8 | 859,6 | 858,0 | 856,8 | 855,2 | 854,0 | 852,8 | 851,2 | 850,0 | 848,8 | 4 |
| 5 | 1086,0 | 1084,5 | 1082,5 | 1081,0 | 1079,5 | 1077,5 | 1076,0 | 1074,5 | 1072,5 | 1071,0 | 1069,0 | 1067,5 | 1066,0 | 1064,0 | 1062,5 | 1061,0 | 5 |
| 6 | 1303,2 | 1301,4 | 1299,0 | 1297,2 | 1295,4 | 1293,0 | 1291,2 | 1289,4 | 1287,0 | 1285,2 | 1282,8 | 1281,0 | 1279,2 | 1276,8 | 1275,0 | 1273,2 | 6 |
| 7 | 1520,4 | 1518,3 | 1515,5 | 1513,4 | 1511,3 | 1508,5 | 1506,4 | 1504,3 | 1501,5 | 1499,4 | 1496,6 | 1494,5 | 1492,4 | 1489,6 | 1487,5 | 1485,4 | 7 |
| 8 | 1737,6 | 1735,2 | 1732,0 | 1729,6 | 1727,2 | 1724,0 | 1721,6 | 1719,2 | 1716,0 | 1713,6 | 1710,4 | 1708,0 | 1705,6 | 1702,4 | 1700,0 | 1697,6 | 8 |
| 9 | 1954,8 | 1952,1 | 1948,5 | 1945,8 | 1943,1 | 1939,5 | 1936,8 | 1934,1 | 1930,5 | 1927,8 | 1924,2 | 1921,5 | 1918,8 | 1915,2 | 1912,5 | 1909,8 | 9 |

| $2^g$ c cc | 2117 | 0 | 2119 | 1 | 2119 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **05 oo** | 8.50 77987 | 8.1960 448 | 8.50 80239 | 8.1962 700 | 1.49 19761 | 9.99 97748 | **95 oo** |
| 10 | 80104 | 447 | 82358 | 702 | 17642 | 97746 | 90 |
| 20 | 82220 | 447 | 84477 | 703 | 15523 | 97744 | 80 |
| 30 | 84335 | 446 | 86594 | 705 | 13406 | 97741 | 70 |
| 40 | 86450 | 445 | 88710 | 706 | 11290 | 97739 | 60 |
| 50 | 88563 | 445 | 90826 | 708 | 09174 | 97737 | 50 |
| 60 | 90675 | 444 | 92940 | 709 | 07060 | 97735 | 40 |
| 70 | 92786 | 443 | 95053 | 711 | 04947 | 97733 | 30 |
| 80 | 94896 | 442 | 97166 | 712 | 02834 | 97730 | 20 |
| 90 | 97005 | 442 | 8.50 99277 | 713 | 1.49 00723 | 97728 | 10 |
| **06 oo** | 8.50 99113 | 8.1960 441 | 8.51 01387 | 8.1962 715 | 1.48 98613 | 9.99 97726 | **94 oo** |
| 10 | 8.51 01220 | 440 | 03496 | 716 | 96504 | 97724 | 90 |
| 20 | 03326 | 439 | 05604 | 718 | 94396 | 97722 | 80 |
| 30 | 05431 | 439 | 07712 | 719 | 92288 | 97719 | 70 |
| 40 | 07535 | 438 | 09818 | 721 | 90182 | 97717 | 60 |
| 50 | 09638 | 437 | 11923 | 722 | 88077 | 97715 | 50 |
| 60 | 11740 | 436 | 14027 | 724 | 85973 | 97713 | 40 |
| 70 | 13840 | 436 | 16130 | 725 | 83870 | 97710 | 30 |
| 80 | 15940 | 435 | 18232 | 727 | 81768 | 97708 | 20 |
| 90 | 18039 | 434 | 20333 | 728 | 79667 | 97706 | 10 |
| **07 oo** | 8.51 20137 | 8.1960 433 | 8.51 22433 | 8.1962 730 | 1.48 77567 | 9.99 97704 | **93 oo** |
| 10 | 22234 | 433 | 24532 | 731 | 75468 | 97702 | 90 |
| 20 | 24330 | 432 | 26630 | 733 | 73370 | 97699 | 80 |
| 30 | 26424 | 431 | 28727 | 734 | 71273 | 97697 | 70 |
| 40 | 28518 | 431 | 30823 | 736 | 69177 | 97695 | 60 |
| 50 | 30611 | 430 | 32918 | 737 | 67082 | 97693 | 50 |
| 60 | 32703 | 429 | 35012 | 739 | 64988 | 97690 | 40 |
| 70 | 34793 | 428 | 37105 | 740 | 62895 | 97688 | 30 |
| 80 | 36883 | 428 | 39197 | 742 | 60803 | 97686 | 20 |
| 90 | 38972 | 427 | 41288 | 743 | 58712 | 97684 | 10 |
| **08 oo** | 8.51 41059 | 8.1960 426 | 8.51 43378 | 8.1962 745 | 1.48 56622 | 9.99 97682 | **92 oo** |
| 10 | 43146 | 425 | 45467 | 746 | 54533 | 97679 | 90 |
| 20 | 45232 | 425 | 47555 | 747 | 52445 | 97677 | 80 |
| 30 | 47317 | 424 | 49642 | 749 | 50358 | 97675 | 70 |
| 40 | 49400 | 423 | 51728 | 750 | 48272 | 97673 | 60 |
| 50 | 51483 | 422 | 53813 | 752 | 46187 | 97670 | 50 |
| 60 | 53565 | 422 | 55896 | 753 | 44104 | 97668 | 40 |
| 70 | 55645 | 421 | 57979 | 755 | 42021 | 97666 | 30 |
| 80 | 57725 | 420 | 60061 | 756 | 39939 | 97664 | 20 |
| 90 | 59804 | 419 | 62142 | 758 | 37858 | 97661 | 10 |
| **09 oo** | 8.51 61881 | 8.1960 419 | 8.51 64222 | 8.1962 759 | 1.48 35778 | 9.99 97659 | **91 oo** |
| 10 | 63958 | 418 | 66301 | 761 | 33699 | 97657 | 90 |
| 20 | 66034 | 417 | 68379 | 762 | 31621 | 97655 | 80 |
| 30 | 68109 | 416 | 70456 | 764 | 29544 | 97652 | 70 |
| 40 | 70182 | 416 | 72532 | 765 | 27468 | 97650 | 60 |
| 50 | 72255 | 415 | 74607 | 767 | 25393 | 97648 | 50 |
| 60 | 74327 | 414 | 76681 | 768 | 23319 | 97646 | 40 |
| 70 | 76398 | 413 | 78754 | 770 | 21246 | 97643 | 30 |
| 80 | 78467 | 413 | 80826 | 771 | 19174 | 97641 | 20 |
| 90 | 80536 | 412 | 82897 | 773 | 17103 | 97639 | 10 |
| **10 oo** | 8.51 82604 | 8.1960 411 | 8.51 84967 | 8.1962 774 | 1.48 15033 | 9.99 97637 | **90 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $97^g$ |
| | 2068 | 1 | 2070 | 2 | 2070 | 3 | |

| | 2118 | 2115 | 2112 | 2108 | 2105 | 2102 | 2098 | 2095 | 2091 | 2088 | 2085 | 2081 | 2078 | 2075 | 2071 | 2068 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 211,8 | 211,5 | 211,2 | 210,8 | 210,5 | 210,2 | 209,8 | 209,5 | 209,1 | 208,8 | 208,5 | 208,1 | 207,8 | 207,5 | 207,1 | 206,8 | 1 |
| 2 | 423,6 | 423,0 | 422,4 | 421,6 | 421,0 | 420,4 | 419,6 | 419,0 | 418,2 | 417,6 | 417,0 | 416,2 | 415,6 | 415,0 | 414,2 | 413,6 | 2 |
| 3 | 635,4 | 634,5 | 633,6 | 632,4 | 631,5 | 630,6 | 629,4 | 628,5 | 627,3 | 626,4 | 625,5 | 624,3 | 623,4 | 622,5 | 621,3 | 620,4 | 3 |
| 4 | 847,2 | 846,0 | 844,8 | 843,2 | 842,0 | 840,8 | 839,2 | 838,0 | 836,4 | 835,2 | 834,0 | 832,4 | 831,2 | 830,0 | 828,4 | 827,2 | 4 |
| 5 | 1059,0 | 1057,5 | 1056,0 | 1054,0 | 1052,5 | 1051,0 | 1049,0 | 1047,5 | 1045,5 | 1044,0 | 1042,5 | 1040,5 | 1039,0 | 1037,5 | 1035,5 | 1034,0 | 5 |
| 6 | 1270,8 | 1269,0 | 1267,2 | 1264,8 | 1263,0 | 1261,2 | 1258,8 | 1257,0 | 1254,6 | 1252,8 | 1251,0 | 1248,6 | 1246,8 | 1245,0 | 1242,6 | 1240,8 | 6 |
| 7 | 1482,6 | 1480,5 | 1478,4 | 1475,6 | 1473,5 | 1471,4 | 1468,6 | 1466,5 | 1463,7 | 1461,6 | 1459,5 | 1456,7 | 1454,6 | 1452,5 | 1449,7 | 1447,6 | 7 |
| 8 | 1694,4 | 1692,0 | 1689,6 | 1686,4 | 1684,0 | 1681,6 | 1678,4 | 1676,0 | 1672,8 | 1670,4 | 1668,0 | 1664,8 | 1662,4 | 1660,0 | 1656,8 | 1654,4 | 8 |
| 9 | 1906,2 | 1903,5 | 1900,8 | 1897,2 | 1894,5 | 1891,8 | 1888,2 | 1885,5 | 1881,9 | 1879,2 | 1876,5 | 1872,9 | 1870,2 | 1867,5 | 1863,9 | 1861,2 | 9 |

| $2^g$ c cc | 2067 | 0 | 2069 | 1 | 2069 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **10 oo** | 8.51 82604 | 8.1960 411 | 8.51 84967 | 8.1962 774 | 1.48 15033 | 9.99 97637 | **90 oo** |
| 10 | 84671 | 410 | 87036 | 776 | 12964 | 97634 | 90 |
| 20 | 86737 | 410 | 89105 | 777 | 10895 | 97632 | 80 |
| 30 | 88802 | 409 | 91172 | 779 | 08828 | 97630 | 70 |
| 40 | 90865 | 408 | 93238 | 780 | 06762 | 97628 | 60 |
| 50 | 92928 | 407 | 95303 | 782 | 04697 | 97625 | 50 |
| 60 | 94990 | 407 | 97367 | 783 | 02633 | 97623 | 40 |
| 70 | 97051 | 406 | 8.51 99430 | 785 | 1.48 00570 | 97621 | 30 |
| 80 | 8.51 99111 | 405 | 8.52 01492 | 786 | 1.47 98508 | 97619 | 20 |
| 90 | 8.52 01170 | 404 | 03554 | 788 | 96446 | 97616 | 10 |
| **11 oo** | 8.52 03228 | 8.1960 404 | 8.52 05614 | 8.1962 789 | 1.47 94386 | 9.99 97614 | **89 oo** |
| 10 | 05285 | 403 | 07673 | 791 | 92327 | 97612 | 90 |
| 20 | 07341 | 402 | 09732 | 792 | 90268 | 97610 | 80 |
| 30 | 09396 | 401 | 11789 | 794 | 88211 | 97607 | 70 |
| 40 | 11450 | 401 | 13845 | 795 | 86155 | 97605 | 60 |
| 50 | 13504 | 400 | 15901 | 797 | 84099 | 97603 | 50 |
| 60 | 15556 | 399 | 17955 | 798 | 82045 | 97601 | 40 |
| 70 | 17607 | 398 | 20009 | 800 | 79991 | 97598 | 30 |
| 80 | 19657 | 398 | 22061 | 802 | 77939 | 97596 | 20 |
| 90 | 21706 | 397 | 24113 | 803 | 75887 | 97594 | 10 |
| **12 oo** | 8.52 23755 | 8.1960 396 | 8.52 26163 | 8.1962 805 | 1.47 73837 | 9.99 97592 | **88 oo** |
| 10 | 25802 | 395 | 28213 | 806 | 71787 | 97589 | 90 |
| 20 | 27848 | 395 | 30261 | 808 | 69739 | 97587 | 80 |
| 30 | 29894 | 394 | 32309 | 809 | 67691 | 97585 | 70 |
| 40 | 31938 | 393 | 34356 | 811 | 65644 | 97582 | 60 |
| 50 | 33982 | 392 | 36401 | 812 | 63599 | 97580 | 50 |
| 60 | 36024 | 392 | 38446 | 814 | 61554 | 97578 | 40 |
| 70 | 38066 | 391 | 40490 | 815 | 59510 | 97576 | 30 |
| 80 | 40106 | 390 | 42533 | 817 | 57467 | 97573 | 20 |
| 90 | 42146 | 389 | 44575 | 818 | 55425 | 97571 | 10 |
| **13 oo** | 8.52 44185 | 8.1960 388 | 8.52 46616 | 8.1962 820 | 1.47 53384 | 9.99 97569 | **87 oo** |
| 10 | 46222 | 388 | 48656 | 821 | 51344 | 97566 | 90 |
| 20 | 48259 | 387 | 50695 | 823 | 49305 | 97564 | 80 |
| 30 | 50295 | 386 | 52733 | 824 | 47267 | 97562 | 70 |
| 40 | 52330 | 385 | 54770 | 826 | 45230 | 97560 | 60 |
| 50 | 54363 | 385 | 56806 | 827 | 43194 | 97557 | 50 |
| 60 | 56396 | 384 | 58841 | 829 | 41159 | 97555 | 40 |
| 70 | 58428 | 383 | 60876 | 830 | 39124 | 97553 | 30 |
| 80 | 60459 | 382 | 62909 | 832 | 37091 | 97550 | 20 |
| 90 | 62489 | 382 | 64941 | 833 | 35059 | 97548 | 10 |
| **14 oo** | 8.52 64519 | 8.1960 381 | 8.52 66973 | 8.1962 835 | 1.47 33027 | 9.99 97546 | **86 oo** |
| 10 | 66547 | 380 | 69003 | 837 | 30997 | 97544 | 90 |
| 20 | 68574 | 379 | 71033 | 838 | 28967 | 97541 | 80 |
| 30 | 70600 | 379 | 73061 | 840 | 26939 | 97539 | 70 |
| 40 | 72626 | 378 | 75089 | 841 | 24911 | 97537 | 60 |
| 50 | 74650 | 377 | 77116 | 843 | 22884 | 97534 | 50 |
| 60 | 76673 | 376 | 79141 | 844 | 20859 | 97532 | 40 |
| 70 | 78696 | 375 | 81166 | 846 | 18834 | 97530 | 30 |
| 80 | 80717 | 375 | 83190 | 847 | 16810 | 97527 | 20 |
| 90 | 82738 | 374 | 85213 | 849 | 14787 | 97525 | 10 |
| **15 oo** | 8.52 84758 | 8.1960 373 | 8.52 87235 | 8.1962 850 | 1.47 12765 | 9.99 97523 | **85 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 2020 | 1 | 2022 | 2 | 2022 | 3 | $97^g$ |

| | 2069 | 2066 | 2063 | 2060 | 2057 | 2054 | 2051 | 2048 | 2044 | 2041 | 2038 | 2035 | 2032 | 2029 | 2026 | 2023 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 206,9 | 206,6 | 206,3 | 206,0 | 205,7 | 205,4 | 205,1 | 204,8 | 204,4 | 204,1 | 203,8 | 203,5 | 203,2 | 202,9 | 202,6 | 202,3 | 1 |
| 2 | 413,8 | 413,2 | 412,6 | 412,0 | 411,4 | 410,8 | 410,2 | 409,6 | 408,8 | 408,2 | 407,6 | 407,0 | 406,4 | 405,8 | 405,2 | 404,6 | 2 |
| 3 | 620,7 | 619,8 | 618,9 | 618,0 | 617,1 | 616,2 | 615,3 | 614,4 | 613,2 | 612,3 | 611,4 | 610,5 | 609,6 | 608,7 | 607,8 | 606,9 | 3 |
| 4 | 827,6 | 826,4 | 825,2 | 824,0 | 822,8 | 821,6 | 820,4 | 819,2 | 817,6 | 816,4 | 815,2 | 814,0 | 812,8 | 811,6 | 810,4 | 809,2 | 4 |
| 5 | 1034,5 | 1033,0 | 1031,5 | 1030,0 | 1028,5 | 1027,0 | 1025,5 | 1024,0 | 1022,0 | 1020,5 | 1019,0 | 1017,5 | 1016,0 | 1014,5 | 1013,0 | 1011,5 | 5 |
| 6 | 1241,4 | 1239,6 | 1237,8 | 1236,0 | 1234,2 | 1232,4 | 1230,6 | 1228,8 | 1226,4 | 1224,6 | 1222,8 | 1221,0 | 1219,2 | 1217,4 | 1215,6 | 1213,8 | 6 |
| 7 | 1448,3 | 1446,2 | 1444,1 | 1442,0 | 1439,9 | 1437,8 | 1435,7 | 1433,6 | 1430,8 | 1428,7 | 1426,6 | 1424,5 | 1422,4 | 1420,3 | 1418,2 | 1416,1 | 7 |
| 8 | 1655,2 | 1652,8 | 1650,4 | 1648,0 | 1645,6 | 1643,2 | 1640,8 | 1638,4 | 1635,2 | 1632,8 | 1630,4 | 1628,0 | 1625,6 | 1623,2 | 1620,8 | 1618,4 | 8 |
| 9 | 1862,1 | 1859,4 | 1856,7 | 1854,0 | 1851,3 | 1848,6 | 1845,9 | 1843,2 | 1839,6 | 1836,9 | 1834,2 | 1831,5 | 1828,8 | 1826,1 | 1823,4 | 1820,7 | 9 |

| $2^g$ c cc | 2019 | 0 | 2021 | 1 | 2021 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **15 oo** | 8.52 84758 | 8.1960 373 | 8.52 87235 | 8.1962 850 | 1.47 12765 | 9.99 97523 | **85 oo** |
| 10 | 86777 | 372 | 89256 | 852 | 10744 | 97521 | 90 |
| 20 | 88794 | 372 | 91276 | 853 | 08724 | 97518 | 80 |
| 30 | 90811 | 371 | 93295 | 855 | 06705 | 97516 | 70 |
| 40 | 92827 | 370 | 95313 | 856 | 04687 | 97514 | 60 |
| 50 | 94842 | 369 | 97331 | 858 | 02669 | 97511 | 50 |
| 60 | 96856 | 369 | 8.52 99347 | 860 | 1.47 00653 | 97509 | 40 |
| 70 | 8.52 98869 | 368 | 8.53 01363 | 861 | 1.46 98637 | 97507 | 30 |
| 80 | 8.53 00881 | 367 | 03377 | 863 | 96623 | 97504 | 20 |
| 90 | 02893 | 366 | 05391 | 864 | 94609 | 97502 | 10 |
| **16 oo** | 8.53 04903 | 8.1960 365 | 8.53 07403 | 8.1962 866 | 1.46 92597 | 9.99 97500 | **84 oo** |
| 10 | 06912 | 365 | 09415 | 867 | 90585 | 97497 | 90 |
| 20 | 08921 | 364 | 11426 | 869 | 88574 | 97495 | 80 |
| 30 | 10928 | 363 | 13436 | 870 | 86564 | 97493 | 70 |
| 40 | 12935 | 362 | 15444 | 872 | 84556 | 97490 | 60 |
| 50 | 14941 | 362 | 17452 | 873 | 82548 | 97488 | 50 |
| 60 | 16945 | 361 | 19460 | 875 | 80540 | 97486 | 40 |
| 70 | 18949 | 360 | 21466 | 877 | 78534 | 97484 | 30 |
| 80 | 20952 | 359 | 23471 | 878 | 76529 | 97481 | 20 |
| 90 | 22954 | 359 | 25475 | 880 | 74525 | 97479 | 10 |
| **17 oo** | 8.53 24955 | 8.1960 358 | 8.53 27479 | 8.1962 881 | 1.46 72521 | 9.99 97477 | **83 oo** |
| 10 | 26955 | 357 | 29481 | 883 | 70519 | 97474 | 90 |
| 20 | 28954 | 356 | 31483 | 884 | 68517 | 97472 | 80 |
| 30 | 30953 | 355 | 33483 | 886 | 66517 | 97470 | 70 |
| 40 | 32950 | 355 | 35483 | 887 | 64517 | 97467 | 60 |
| 50 | 34946 | 354 | 37482 | 889 | 62518 | 97465 | 50 |
| 60 | 36942 | 353 | 39479 | 891 | 60521 | 97463 | 40 |
| 70 | 38937 | 352 | 41476 | 892 | 58524 | 97460 | 30 |
| 80 | 40930 | 352 | 43472 | 894 | 56528 | 97458 | 20 |
| 90 | 42923 | 351 | 45468 | 895 | 54532 | 97456 | 10 |
| **18 oo** | 8.53 44915 | 8.1960 350 | 8.53 47462 | 8.1962 897 | 1.46 52538 | 9.99 97453 | **82 oo** |
| 10 | 46906 | 349 | 49455 | 898 | 50545 | 97451 | 90 |
| 20 | 48896 | 348 | 51447 | 900 | 48553 | 97449 | 80 |
| 30 | 50885 | 348 | 53439 | 901 | 46561 | 97446 | 70 |
| 40 | 52873 | 347 | 55429 | 903 | 44571 | 97444 | 60 |
| 50 | 54860 | 346 | 57419 | 905 | 42581 | 97442 | 50 |
| 60 | 56847 | 345 | 59408 | 906 | 40592 | 97439 | 40 |
| 70 | 58832 | 345 | 61396 | 908 | 38604 | 97437 | 30 |
| 80 | 60817 | 344 | 63382 | 909 | 36618 | 97434 | 20 |
| 90 | 62801 | 343 | 65368 | 911 | 34632 | 97432 | 10 |
| **19 oo** | 8.53 64783 | 8.1960 342 | 8.53 67354 | 8.1962 912 | 1.46 32646 | 9.99 97430 | **81 oo** |
| 10 | 66765 | 341 | 69338 | 914 | 30662 | 97427 | 90 |
| 20 | 68746 | 341 | 71321 | 916 | 28679 | 97425 | 80 |
| 30 | 70726 | 340 | 73303 | 917 | 26697 | 97423 | 70 |
| 40 | 72705 | 339 | 75285 | 919 | 24715 | 97420 | 60 |
| 50 | 74683 | 338 | 77265 | 920 | 22735 | 97418 | 50 |
| 60 | 76661 | 337 | 79245 | 922 | 20755 | 97416 | 40 |
| 70 | 78637 | 337 | 81224 | 923 | 18776 | 97413 | 30 |
| 80 | 80613 | 336 | 83202 | 925 | 16798 | 97411 | 20 |
| 90 | 82587 | 335 | 85179 | 926 | 14821 | 97409 | 10 |
| **20 oo** | 8.53 84561 | 8.1960 334 | 8.53 87155 | 8.1962 928 | 1.46 12845 | 9.99 97406 | **80 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $97^g$ |
| | 1974 | 1 | 1976 | 2 | 1976 | 3 | |

| | 2020 | 2017 | 2014 | 2011 | 2008 | 2005 | 2002 | 1999 | 1995 | 1992 | 1989 | 1986 | 1983 | 1980 | 1977 | 1974 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 202,0 | 201,7 | 201,4 | 201,1 | 200,8 | 200,5 | 200,2 | 199,9 | 199,5 | 199,2 | 198,9 | 198,6 | 198,3 | 198,0 | 197,7 | 197,4 | 1 |
| 2 | 404,0 | 403,4 | 402,8 | 402,2 | 401,6 | 401,0 | 400,4 | 399,8 | 399,0 | 398,4 | 397,8 | 397,2 | 396,6 | 396,0 | 395,4 | 394,8 | 2 |
| 3 | 606,0 | 605,1 | 604,2 | 603,3 | 602,4 | 601,5 | 600,6 | 599,7 | 598,5 | 597,6 | 596,7 | 595,8 | 594,9 | 594,0 | 593,1 | 592,2 | 3 |
| 4 | 808,0 | 806,8 | 805,6 | 804,4 | 803,2 | 802,0 | 800,8 | 799,6 | 798,0 | 796,8 | 795,6 | 794,4 | 793,2 | 792,0 | 790,8 | 789,6 | 4 |
| 5 | 1010,0 | 1008,5 | 1007,0 | 1005,5 | 1004,0 | 1002,5 | 1001,0 | 999,5 | 997,5 | 996,0 | 994,5 | 993,0 | 991,5 | 990,0 | 988,5 | 987,0 | 5 |
| 6 | 1212,0 | 1210,2 | 1208,4 | 1206,6 | 1204,8 | 1203,0 | 1201,2 | 1199,4 | 1197,0 | 1195,2 | 1193,4 | 1191,6 | 1189,8 | 1188,0 | 1186,2 | 1184,4 | 6 |
| 7 | 1414,0 | 1411,9 | 1409,8 | 1407,7 | 1405,6 | 1403,5 | 1401,4 | 1399,3 | 1396,5 | 1394,4 | 1392,3 | 1390,2 | 1388,1 | 1386,0 | 1383,9 | 1381,8 | 7 |
| 8 | 1616,0 | 1613,6 | 1611,2 | 1608,8 | 1606,4 | 1604,0 | 1601,6 | 1599,2 | 1596,0 | 1593,6 | 1591,2 | 1588,8 | 1586,4 | 1584,0 | 1581,6 | 1579,2 | 8 |
| 9 | 1818,0 | 1815,3 | 1812,6 | 1809,9 | 1807,2 | 1804,5 | 1801,8 | 1799,1 | 1795,5 | 1792,8 | 1790,1 | 1787,4 | 1784,7 | 1782,0 | 1779,3 | 1776,6 | 9 |

| $2^g$ c cc | 1973 | 0 | 1975 | 1 | 1975 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **20 oo** | 8.53 84561 | 8.1960 334 | 8.53 87155 | 8.1962 928 | 1.46 12845 | 9.99 97406 | **80 oo** |
| 10 | 86534 | 334 | 89130 | 930 | 10870 | 97404 | 90 |
| 20 | 88506 | 333 | 91104 | 931 | 08896 | 97402 | 80 |
| 30 | 90477 | 332 | 93078 | 933 | 06922 | 97399 | 70 |
| 40 | 92447 | 331 | 95050 | 934 | 04950 | 97397 | 60 |
| 50 | 94416 | 330 | 97022 | 936 | 02978 | 97394 | 50 |
| 60 | 96385 | 330 | 8.53 98993 | 938 | 1.46 01007 | 97392 | 40 |
| 70 | 8.53 98352 | 329 | 8.54 00962 | 939 | 1.45 99038 | 97390 | 30 |
| 80 | 8.54 00319 | 328 | 02931 | 941 | 97069 | 97387 | 20 |
| 90 | 02284 | 327 | 04899 | 942 | 95101 | 97385 | 10 |
| **21 oo** | 8.54 04249 | 8.1960 326 | 8.54 06867 | 8.1962 944 | 1.45 93133 | 9.99 97383 | **79 oo** |
| 10 | 06213 | 326 | 08833 | 945 | 91167 | 97380 | 90 |
| 20 | 08176 | 325 | 10798 | 947 | 89202 | 97378 | 80 |
| 30 | 10138 | 324 | 12763 | 949 | 87237 | 97376 | 70 |
| 40 | 12099 | 323 | 14726 | 950 | 85274 | 97373 | 60 |
| 50 | 14060 | 323 | 16689 | 952 | 83311 | 97371 | 50 |
| 60 | 16019 | 322 | 18651 | 953 | 81349 | 97368 | 40 |
| 70 | 17978 | 321 | 20612 | 955 | 79388 | 97366 | 30 |
| 80 | 19936 | 320 | 22572 | 956 | 77428 | 97364 | 20 |
| 90 | 21892 | 319 | 24531 | 958 | 75469 | 97361 | 10 |
| **22 oo** | 8.54 23848 | 8.1960 319 | 8.54 26489 | 8.1962 960 | 1.45 73511 | 9.99 97359 | **78 oo** |
| 10 | 25803 | 318 | 28447 | 961 | 71553 | 97357 | 90 |
| 20 | 27757 | 317 | 30403 | 963 | 69597 | 97354 | 80 |
| 30 | 29711 | 316 | 32359 | 964 | 67641 | 97352 | 70 |
| 40 | 31663 | 315 | 34314 | 966 | 65686 | 97349 | 60 |
| 50 | 33615 | 315 | 36268 | 968 | 63732 | 97347 | 50 |
| 60 | 35565 | 314 | 38221 | 969 | 61779 | 97345 | 40 |
| 70 | 37515 | 313 | 40173 | 971 | 59827 | 97342 | 30 |
| 80 | 39464 | 312 | 42124 | 972 | 57876 | 97340 | 20 |
| 90 | 41412 | 311 | 44075 | 974 | 55925 | 97337 | 10 |
| **23 oo** | 8.54 43359 | 8.1960 311 | 8.54 46024 | 8.1962 976 | 1.45 53976 | 9.99 97335 | **77 oo** |
| 10 | 45305 | 310 | 47973 | 977 | 52027 | 97333 | 90 |
| 20 | 47251 | 309 | 49921 | 979 | 50079 | 97330 | 80 |
| 30 | 49195 | 308 | 51868 | 980 | 48132 | 97328 | 70 |
| 40 | 51139 | 307 | 53814 | 982 | 46186 | 97325 | 60 |
| 50 | 53082 | 307 | 55759 | 984 | 44241 | 97323 | 50 |
| 60 | 55024 | 306 | 57703 | 985 | 42297 | 97321 | 40 |
| 70 | 56965 | 305 | 59647 | 987 | 40353 | 97318 | 30 |
| 80 | 58905 | 304 | 61589 | 988 | 38411 | 97316 | 20 |
| 90 | 60844 | 303 | 63531 | 990 | 36469 | 97313 | 10 |
| **24 oo** | 8.54 62783 | 8.1960 303 | 8.54 65472 | 8.1962 992 | 1.45 34528 | 9.99 97311 | **76 oo** |
| 10 | 64720 | 302 | 67412 | 993 | 32588 | 97309 | 90 |
| 20 | 66657 | 301 | 69351 | 995 | 30649 | 97306 | 80 |
| 30 | 68593 | 300 | 71289 | 996 | 28711 | 97304 | 70 |
| 40 | 70528 | 299 | 73226 | 8.1962 998 | 26774 | 97301 | 60 |
| 50 | 72462 | 299 | 75163 | 8.1963 000 | 24837 | 97299 | 50 |
| 60 | 74395 | 298 | 77099 | 001 | 22901 | 97297 | 40 |
| 70 | 76328 | 297 | 79033 | 003 | 20967 | 97294 | 30 |
| 80 | 78259 | 296 | 80967 | 004 | 19033 | 97292 | 20 |
| 90 | 80190 | 295 | 82901 | 006 | 17099 | 97289 | 10 |
| **25 oo** | 8.54 82120 | 8.1960 295 | 8.54 84833 | 8.1963 008 | 1.45 15167 | 9.99 97287 | **75 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | | | | | | | $97^g$ |
| | 1930 | 1 | 1932 | 2 | 1932 | 3 | |

| | 1975 | 1972 | 1969 | 1967 | 1964 | 1961 | 1958 | 1955 | 1953 | 1950 | 1947 | 1944 | 1941 | 1939 | 1936 | 1933 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 197,5 | 197,2 | 196,9 | 196,7 | 196,4 | 196,1 | 195,8 | 195,5 | 195,3 | 195,0 | 194,7 | 194,4 | 194,1 | 193,9 | 193,6 | 193,3 | 1 |
| 2 | 395,0 | 394,4 | 393,8 | 393,4 | 392,8 | 392,2 | 391,6 | 391,0 | 390,6 | 390,0 | 389,4 | 388,8 | 388,2 | 387,8 | 387,2 | 386,6 | 2 |
| 3 | 592,5 | 591,6 | 590,7 | 590,1 | 589,2 | 588,3 | 587,4 | 586,5 | 585,9 | 585,0 | 584,1 | 583,2 | 582,3 | 581,7 | 580,8 | 579,9 | 3 |
| 4 | 790,0 | 788,8 | 787,6 | 786,8 | 785,6 | 784,4 | 783,2 | 782,0 | 781,2 | 780,0 | 778,8 | 777,6 | 776,4 | 775,6 | 774,4 | 773,2 | 4 |
| 5 | 987,5 | 986,0 | 984,5 | 983,5 | 982,0 | 980,5 | 979,0 | 977,5 | 976,5 | 975,0 | 973,5 | 972,0 | 970,5 | 969,5 | 968,0 | 966,5 | 5 |
| 6 | 1185,0 | 1183,2 | 1181,4 | 1180,2 | 1178,4 | 1176,6 | 1174,8 | 1173,0 | 1171,8 | 1170,0 | 1168,2 | 1166,4 | 1164,6 | 1163,4 | 1161,6 | 1159,8 | 6 |
| 7 | 1382,5 | 1380,4 | 1378,3 | 1376,9 | 1374,8 | 1372,7 | 1370,6 | 1368,5 | 1367,1 | 1365,0 | 1362,9 | 1360,8 | 1358,7 | 1357,3 | 1355,2 | 1353,1 | 7 |
| 8 | 1580,0 | 1577,6 | 1575,2 | 1573,6 | 1571,2 | 1568,8 | 1566,4 | 1564,0 | 1562,4 | 1560,0 | 1557,6 | 1555,2 | 1552,8 | 1551,2 | 1548,8 | 1546,4 | 8 |
| 9 | 1777,5 | 1774,8 | 1772,1 | 1770,3 | 1767,6 | 1764,9 | 1762,2 | 1759,5 | 1757,7 | 1755,0 | 1752,3 | 1749,6 | 1746,9 | 1745,1 | 1742,4 | 1739,7 | 9 |

| $2^g$ c cc | 1929 | 0 | 1931 | 1 | 1931 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **25 oo** | 8.54 82120 | 8.1960 295 | 8.54 84833 | 8.1963 008 | 1.45 15167 | 9.99 97287 | **75 oo** |
| 10 | 84049 | 294 | 86764 | 009 | 13236 | 97285 | 90 |
| 20 | 85977 | 293 | 88695 | 011 | 11305 | 97282 | 80 |
| 30 | 87904 | 292 | 90624 | 012 | 09376 | 97280 | 70 |
| 40 | 89830 | 291 | 92553 | 014 | 07447 | 97277 | 60 |
| 50 | 91756 | 291 | 94481 | 016 | 05519 | 97275 | 50 |
| 60 | 93681 | 290 | 96408 | 017 | 03592 | 97273 | 40 |
| 70 | 95605 | 289 | 8.54 98334 | 019 | 1.45 01666 | 97270 | 30 |
| 80 | 97528 | 288 | 8.55 00260 | 020 | 1.44 99740 | 97268 | 20 |
| 90 | 8.54 99450 | 287 | 02184 | 022 | 97816 | 97265 | 10 |
| **26 oo** | 8.55 01371 | 8.1960 287 | 8.55 04108 | 8.1963 024 | 1.44 95892 | 9.99 97263 | **74 oo** |
| 10 | 03291 | 286 | 06031 | 025 | 93969 | 97260 | 90 |
| 20 | 05211 | 285 | 07953 | 027 | 92047 | 97258 | 80 |
| 30 | 07130 | 284 | 09874 | 029 | 90126 | 97256 | 70 |
| 40 | 09048 | 283 | 11794 | 030 | 88206 | 97253 | 60 |
| 50 | 10965 | 282 | 13714 | 032 | 86286 | 97251 | 50 |
| 60 | 12881 | 282 | 15632 | 033 | 84368 | 97248 | 40 |
| 70 | 14796 | 281 | 17550 | 035 | 82450 | 97246 | 30 |
| 80 | 16711 | 280 | 19467 | 037 | 80533 | 97243 | 20 |
| 90 | 18624 | 279 | 21383 | 038 | 78617 | 97241 | 10 |
| **27 oo** | 8.55 20537 | 8.1960 278 | 8.55 23298 | 8.1963 040 | 1.44 76702 | 9.99 97239 | **73 oo** |
| 10 | 22449 | 278 | 25213 | 042 | 74787 | 97236 | 90 |
| 20 | 24360 | 277 | 27126 | 043 | 72874 | 97234 | 80 |
| 30 | 26270 | 276 | 29039 | 045 | 70961 | 97231 | 70 |
| 40 | 28180 | 275 | 30951 | 046 | 69049 | 97229 | 60 |
| 50 | 30088 | 274 | 32862 | 048 | 67138 | 97226 | 50 |
| 60 | 31996 | 274 | 34772 | 050 | 65228 | 97224 | 40 |
| 70 | 33903 | 273 | 36682 | 051 | 63318 | 97221 | 30 |
| 80 | 35809 | 272 | 38590 | 053 | 61410 | 97219 | 20 |
| 90 | 37714 | 271 | 40498 | 055 | 59502 | 97217 | 10 |
| **28 oo** | 8.55 39619 | 8.1960 270 | 8.55 42405 | 8.1963 056 | 1.44 57595 | 9.99 97214 | **72 oo** |
| 10 | 41522 | 270 | 44311 | 058 | 55689 | 97212 | 90 |
| 20 | 43425 | 269 | 46216 | 059 | 53784 | 97209 | 80 |
| 30 | 45327 | 268 | 48120 | 061 | 51880 | 97207 | 70 |
| 40 | 47228 | 267 | 50024 | 063 | 49976 | 97204 | 60 |
| 50 | 49128 | 266 | 51926 | 064 | 48074 | 97202 | 50 |
| 60 | 51028 | 265 | 53828 | 066 | 46172 | 97199 | 40 |
| 70 | 52926 | 265 | 55729 | 068 | 44271 | 97197 | 30 |
| 80 | 54824 | 264 | 57629 | 069 | 42371 | 97195 | 20 |
| 90 | 56721 | 263 | 59529 | 071 | 40471 | 97192 | 10 |
| **29 oo** | 8.55 58617 | 8.1960 262 | 8.55 61427 | 8.1963 072 | 1.44 38573 | 9.99 97190 | **71 oo** |
| 10 | 60512 | 261 | 63325 | 074 | 36675 | 97187 | 90 |
| 20 | 62407 | 261 | 65222 | 076 | 34778 | 97185 | 80 |
| 30 | 64300 | 260 | 67118 | 077 | 32882 | 97182 | 70 |
| 40 | 66193 | 259 | 69013 | 079 | 30987 | 97180 | 60 |
| 50 | 68085 | 258 | 70908 | 081 | 29092 | 97177 | 50 |
| 60 | 69976 | 257 | 72801 | 082 | 27199 | 97175 | 40 |
| 70 | 71866 | 256 | 74694 | 084 | 25306 | 97172 | 30 |
| 80 | 73756 | 256 | 76586 | 086 | 23414 | 97170 | 20 |
| 90 | 75644 | 255 | 78477 | 087 | 21523 | 97168 | 10 |
| **30 oo** | 8.55 77532 | 8.1960 254 | 8.55 80367 | 8.1963 089 | 1.44 19633 | 9.99 97165 | **70 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 1888 | 1 | 1890 | 2 | 1890 | 3 | $97^g$ |

| | 1930 | 1927 | 1924 | 1922 | 1919 | 1916 | 1913 | 1910 | 1908 | 1905 | 1902 | 1899 | 1896 | 1894 | 1891 | 1888 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 193,0 | 192,7 | 192,4 | 192,2 | 191,9 | 191,6 | 191,3 | 191,0 | 190,8 | 190,5 | 190,2 | 189,9 | 189,6 | 189,4 | 189,1 | 188,8 | 1 |
| 2 | 386,0 | 385,4 | 384,8 | 384,4 | 383,8 | 383,2 | 382,6 | 382,0 | 381,6 | 381,0 | 380,4 | 379,8 | 379,2 | 378,8 | 378,2 | 377,6 | 2 |
| 3 | 579,0 | 578,1 | 577,2 | 576,6 | 575,7 | 574,8 | 573,9 | 573,0 | 572,4 | 571,5 | 570,6 | 569,7 | 568,8 | 568,2 | 567,3 | 566,4 | 3 |
| 4 | 772,0 | 770,8 | 769,6 | 768,8 | 767,6 | 766,4 | 765,2 | 764,0 | 763,2 | 762,0 | 760,8 | 759,6 | 758,4 | 757,6 | 756,4 | 755,2 | 4 |
| 5 | 965,0 | 963,5 | 962,0 | 961,0 | 959,5 | 958,0 | 956,5 | 955,0 | 954,0 | 952,5 | 951,0 | 949,5 | 948,0 | 947,0 | 945,5 | 944,0 | 5 |
| 6 | 1158,0 | 1156,2 | 1154,4 | 1153,2 | 1151,4 | 1149,6 | 1147,8 | 1146,0 | 1144,8 | 1143,0 | 1141,2 | 1139,4 | 1137,6 | 1136,4 | 1134,6 | 1132,8 | 6 |
| 7 | 1351,0 | 1348,9 | 1346,8 | 1345,4 | 1343,3 | 1341,2 | 1339,1 | 1337,0 | 1335,6 | 1333,5 | 1331,4 | 1329,3 | 1327,2 | 1325,8 | 1323,7 | 1321,6 | 7 |
| 8 | 1544,0 | 1541,6 | 1539,2 | 1537,6 | 1535,2 | 1532,8 | 1530,4 | 1528,0 | 1526,4 | 1524,0 | 1521,6 | 1519,2 | 1516,8 | 1515,2 | 1512,8 | 1510,4 | 8 |
| 9 | 1737,0 | 1734,3 | 1731,6 | 1729,8 | 1727,1 | 1724,4 | 1721,7 | 1719,0 | 1717,2 | 1714,5 | 1711,8 | 1709,1 | 1706,4 | 1704,6 | 1701,9 | 1699,2 | 9 |

| $2^g$ c cc | 1887 | 0 | 1890 | 1 | 1890 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **30 oo** | 8.55 77532 | 8.1960 254 | 8.55 80367 | 8.1963 089 | 1.44 19633 | 9.99 97165 | **70 oo** |
| 10 | 79419 | 253 | 82257 | 091 | 17743 | 97163 | 90 |
| 20 | 81306 | 252 | 84145 | 092 | 15855 | 97160 | 80 |
| 30 | 83191 | 251 | 86033 | 094 | 13967 | 97158 | 70 |
| 40 | 85075 | 251 | 87920 | 095 | 12080 | 97155 | 60 |
| 50 | 86959 | 250 | 89806 | 097 | 10194 | 97153 | 50 |
| 60 | 88842 | 249 | 91692 | 099 | 08308 | 97150 | 40 |
| 70 | 90724 | 248 | 93576 | 100 | 06424 | 97148 | 30 |
| 80 | 92605 | 247 | 95460 | 102 | 04540 | 97145 | 20 |
| 90 | 94486 | 247 | 97343 | 104 | 02657 | 97143 | 10 |
| **31 oo** | 8.55 96366 | 8.1960 246 | 8.55 99225 | 8.1963 105 | 1.44 00775 | 9.99 97140 | **69 oo** |
| 10 | 8.55 98244 | 245 | 8.56 01106 | 107 | 1.43 98894 | 97138 | 90 |
| 20 | 8.56 00122 | 244 | 02987 | 109 | 97013 | 97135 | 80 |
| 30 | 02000 | 243 | 04867 | 110 | 95133 | 97133 | 70 |
| 40 | 03876 | 242 | 06746 | 112 | 93254 | 97130 | 60 |
| 50 | 05752 | 242 | 08624 | 114 | 91376 | 97128 | 50 |
| 60 | 07626 | 241 | 10501 | 115 | 89499 | 97125 | 40 |
| 70 | 09500 | 240 | 12377 | 117 | 87623 | 97123 | 30 |
| 80 | 11373 | 239 | 14253 | 119 | 85747 | 97121 | 20 |
| 90 | 13246 | 238 | 16128 | 120 | 83872 | 97118 | 10 |
| **32 oo** | 8.56 15117 | 8.1960 237 | 8.56 18002 | 8.1963 122 | 1.43 81998 | 9.99 97116 | **68 oo** |
| 10 | 16988 | 237 | 19875 | 124 | 80125 | 97113 | 90 |
| 20 | 18858 | 236 | 21747 | 125 | 78253 | 97111 | 80 |
| 30 | 20727 | 235 | 23619 | 127 | 76381 | 97108 | 70 |
| 40 | 22595 | 234 | 25490 | 129 | 74510 | 97106 | 60 |
| 50 | 24463 | 233 | 27360 | 130 | 72640 | 97103 | 50 |
| 60 | 26330 | 232 | 29229 | 132 | 70771 | 97101 | 40 |
| 70 | 28195 | 232 | 31097 | 134 | 68903 | 97098 | 30 |
| 80 | 30061 | 231 | 32965 | 135 | 67035 | 97096 | 20 |
| 90 | 31925 | 230 | 34832 | 137 | 65168 | 97093 | 10 |
| **33 oo** | 8.56 33788 | 8.1960 229 | 8.56 36698 | 8.1963 139 | 1.43 63302 | 9.99 97091 | **67 oo** |
| 10 | 35651 | 228 | 38563 | 140 | 61437 | 97088 | 90 |
| 20 | 37513 | 227 | 40427 | 142 | 59573 | 97086 | 80 |
| 30 | 39374 | 227 | 42291 | 144 | 57709 | 97083 | 70 |
| 40 | 41234 | 226 | 44154 | 145 | 55846 | 97081 | 60 |
| 50 | 43094 | 225 | 46016 | 147 | 53984 | 97078 | 50 |
| 60 | 44953 | 224 | 47877 | 149 | 52123 | 97076 | 40 |
| 70 | 46810 | 223 | 49737 | 150 | 50263 | 97073 | 30 |
| 80 | 48668 | 222 | 51597 | 152 | 48403 | 97071 | 20 |
| 90 | 50524 | 222 | 53456 | 154 | 46544 | 97068 | 10 |
| **34 oo** | 8.56 52379 | 8.1960 221 | 8.56 55314 | 8.1963 155 | 1.43 44686 | 9.99 97066 | **66 oo** |
| 10 | 54234 | 220 | 57171 | 157 | 42829 | 97063 | 90 |
| 20 | 56088 | 219 | 59027 | 159 | 40973 | 97061 | 80 |
| 30 | 57941 | 218 | 60883 | 160 | 39117 | 97058 | 70 |
| 40 | 59794 | 217 | 62738 | 162 | 37262 | 97056 | 60 |
| 50 | 61645 | 217 | 64592 | 164 | 35408 | 97053 | 50 |
| 60 | 63496 | 216 | 66445 | 165 | 33555 | 97050 | 40 |
| 70 | 65346 | 215 | 68298 | 167 | 31702 | 97048 | 30 |
| 80 | 67195 | 214 | 70150 | 169 | 29850 | 97045 | 20 |
| 90 | 69043 | 213 | 72000 | 170 | 28000 | 97043 | 10 |
| **35 oo** | 8.56 70891 | 8.1960 212 | 8.56 73851 | 8.1963 172 | 1.43 26149 | 9.99 97040 | **65 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 1848 | 1 | 1850 | 2 | 1850 | 3 | $97^g$ |

| | 1890 | 1887 | 1885 | 1882 | 1880 | 1877 | 1874 | 1872 | 1869 | 1866 | 1864 | 1861 | 1859 | 1856 | 1853 | 1851 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 189,0 | 188,7 | 188,5 | 188,2 | 188,0 | 187,7 | 187,4 | 187,2 | 186,9 | 186,6 | 186,4 | 186,1 | 185,9 | 185,6 | 185,3 | 185,1 | 1 |
| 2 | 378,0 | 377,4 | 377,0 | 376,4 | 376,0 | 375,4 | 374,8 | 374,4 | 373,8 | 373,2 | 372,8 | 372,2 | 371,8 | 371,2 | 370,6 | 370,2 | 2 |
| 3 | 567,0 | 566,1 | 565,5 | 564,6 | 564,0 | 563,1 | 562,2 | 561,6 | 560,7 | 559,8 | 559,2 | 558,3 | 557,7 | 556,8 | 555,9 | 555,3 | 3 |
| 4 | 756,0 | 754,8 | 754,0 | 752,8 | 752,0 | 750,8 | 749,6 | 748,8 | 747,6 | 746,4 | 745,6 | 744,4 | 743,6 | 742,4 | 741,2 | 740,4 | 4 |
| 5 | 945,0 | 943,5 | 942,5 | 941,0 | 940,0 | 938,5 | 937,0 | 936,0 | 934,5 | 933,0 | 932,0 | 930,5 | 929,5 | 928,0 | 926,5 | 925,5 | 5 |
| 6 | 1134,0 | 1132,2 | 1131,0 | 1129,2 | 1128,0 | 1126,2 | 1124,4 | 1123,2 | 1121,4 | 1119,6 | 1118,4 | 1116,6 | 1115,4 | 1113,6 | 1111,8 | 1110,6 | 6 |
| 7 | 1323,0 | 1320,9 | 1319,5 | 1317,4 | 1316,0 | 1313,9 | 1311,8 | 1310,4 | 1308,3 | 1306,2 | 1304,8 | 1302,7 | 1301,3 | 1299,2 | 1297,1 | 1295,7 | 7 |
| 8 | 1512,0 | 1509,6 | 1508,0 | 1505,6 | 1504,0 | 1501,6 | 1499,2 | 1497,6 | 1495,2 | 1492,8 | 1491,2 | 1488,8 | 1487,2 | 1484,8 | 1482,4 | 1480,8 | 8 |
| 9 | 1701,0 | 1698,3 | 1696,5 | 1693,8 | 1692,0 | 1689,3 | 1686,6 | 1684,8 | 1682,1 | 1679,4 | 1677,6 | 1674,9 | 1673,1 | 1670,4 | 1667,7 | 1665,9 | 9 |

| $2^g$ c cc | 1847 | 0 | 1849 | 1 | 1849 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **35 oo** | 8.56 70891 | 8.1960 212 | 8.56 73851 | 8.1963 172 | 1.43 26149 | 9.99 97040 | **65 oo** |
| 10 | 72738 | 212 | 75700 | 174 | 24300 | 97038 | 90 |
| 20 | 74584 | 211 | 77549 | 175 | 22451 | 97035 | 80 |
| 30 | 76429 | 210 | 79396 | 177 | 20604 | 97033 | 70 |
| 40 | 78274 | 209 | 81243 | 179 | 18757 | 97030 | 60 |
| 50 | 80117 | 208 | 83090 | 180 | 16910 | 97028 | 50 |
| 60 | 81960 | 207 | 84935 | 182 | 15065 | 97025 | 40 |
| 70 | 83802 | 207 | 86780 | 184 | 13220 | 97023 | 30 |
| 80 | 85644 | 206 | 88623 | 185 | 11377 | 97020 | 20 |
| 90 | 87484 | 205 | 90467 | 187 | 09533 | 97018 | 10 |
| **36 oo** | 8.56 89324 | 8.1960 204 | 8.56 92309 | 8.1963 189 | 1.43 07691 | 9.99 97015 | **64 oo** |
| 10 | 91163 | 203 | 94150 | 191 | 05850 | 97013 | 90 |
| 20 | 93001 | 202 | 95991 | 192 | 04009 | 97010 | 80 |
| 30 | 94839 | 201 | 97831 | 194 | 02169 | 97008 | 70 |
| 40 | 96675 | 201 | 8.56 99670 | 196 | 1.43 00330 | 97005 | 60 |
| 50 | 8.56 98511 | 200 | 8.57 01509 | 197 | 1.42 98491 | 97003 | 50 |
| 60 | 8.57 00346 | 199 | 03346 | 199 | 96654 | 97000 | 40 |
| 70 | 02181 | 198 | 05183 | 201 | 94817 | 96997 | 30 |
| 80 | 04014 | 197 | 07019 | 202 | 92981 | 96995 | 20 |
| 90 | 05847 | 196 | 08855 | 204 | 91145 | 96992 | 10 |
| **37 oo** | 8.57 07679 | 8.1960 196 | 8.57 10689 | 8.1963 206 | 1.42 89311 | 9.99 96990 | **63 oo** |
| 10 | 09510 | 195 | 12523 | 207 | 87477 | 96987 | 90 |
| 20 | 11341 | 194 | 14356 | 209 | 85644 | 96985 | 80 |
| 30 | 13170 | 193 | 16188 | 211 | 83812 | 96982 | 70 |
| 40 | 14999 | 192 | 18020 | 213 | 81980 | 96980 | 60 |
| 50 | 16827 | 191 | 19850 | 214 | 80150 | 96977 | 50 |
| 60 | 18655 | 190 | 21680 | 216 | 78320 | 96975 | 40 |
| 70 | 20481 | 190 | 23509 | 218 | 76491 | 96972 | 30 |
| 80 | 22307 | 189 | 25338 | 219 | 74662 | 96969 | 20 |
| 90 | 24132 | 188 | 27165 | 221 | 72835 | 96967 | 10 |
| **38 oo** | 8.57 25957 | 8.1960 187 | 8.57 28992 | 8.1963 223 | 1.42 71008 | 9.99 96964 | **62 oo** |
| 10 | 27780 | 186 | 30818 | 224 | 69182 | 96962 | 90 |
| 20 | 29603 | 185 | 32644 | 226 | 67356 | 96959 | 80 |
| 30 | 31425 | 185 | 34468 | 228 | 65532 | 96957 | 70 |
| 40 | 33246 | 184 | 36292 | 230 | 63708 | 96954 | 60 |
| 50 | 35067 | 183 | 38115 | 231 | 61885 | 96952 | 50 |
| 60 | 36886 | 182 | 39937 | 233 | 60063 | 96949 | 40 |
| 70 | 38705 | 181 | 41759 | 235 | 58241 | 96946 | 30 |
| 80 | 40523 | 180 | 43580 | 236 | 56420 | 96944 | 20 |
| 90 | 42341 | 179 | 45400 | 238 | 54600 | 96941 | 10 |
| **39 oo** | 8.57 44158 | 8.1960 179 | 8.57 47219 | 8.1963 240 | 1.42 52781 | 9.99 96939 | **61 oo** |
| 10 | 45973 | 178 | 49037 | 241 | 50963 | 96936 | 90 |
| 20 | 47789 | 177 | 50855 | 243 | 49145 | 96934 | 80 |
| 30 | 49603 | 176 | 52672 | 245 | 47328 | 96931 | 70 |
| 40 | 51417 | 175 | 54488 | 247 | 45512 | 96929 | 60 |
| 50 | 53229 | 174 | 56303 | 248 | 43697 | 96926 | 50 |
| 60 | 55042 | 173 | 58118 | 250 | 41882 | 96923 | 40 |
| 70 | 56853 | 173 | 59932 | 252 | 40068 | 96921 | 30 |
| 80 | 58664 | 172 | 61745 | 253 | 38255 | 96918 | 20 |
| 90 | 60473 | 171 | 63558 | 255 | 36442 | 96916 | 10 |
| **40 oo** | 8.57 62282 | 8.1960 170 | 8.57 65369 | 8.1963 257 | 1.42 34631 | 9.99 96913 | **60 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $97^g$ |
| | 1809 | 1 | 1811 | 2 | 1811 | 3 | |

| | 1848 | 1846 | 1843 | 1840 | 1838 | 1835 | 1833 | 1830 | 1827 | 1825 | 1822 | 1819 | 1817 | 1814 | 1812 | 1809 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 184,8 | 184,6 | 184,3 | 184,0 | 183,8 | 183,5 | 183,3 | 183,0 | 182,7 | 182,5 | 182,2 | 181,9 | 181,7 | 181,4 | 181,2 | 180,9 | 1 |
| 2 | 369,6 | 369,2 | 368,6 | 368,0 | 367,6 | 367,0 | 366,6 | 366,0 | 365,4 | 365,0 | 364,4 | 363,8 | 363,4 | 362,8 | 362,4 | 361,8 | 2 |
| 3 | 554,4 | 553,8 | 552,9 | 552,0 | 551,4 | 550,5 | 549,9 | 549,0 | 548,1 | 547,5 | 546,6 | 545,7 | 545,1 | 544,2 | 543,6 | 542,7 | 3 |
| 4 | 739,2 | 738,4 | 737,2 | 736,0 | 735,2 | 734,0 | 733,2 | 732,0 | 730,8 | 730,0 | 728,8 | 727,6 | 726,8 | 725,6 | 724,8 | 723,6 | 4 |
| 5 | 924,0 | 923,0 | 921,5 | 920,0 | 919,0 | 917,5 | 916,5 | 915,0 | 913,5 | 912,5 | 911,0 | 909,5 | 908,5 | 907,0 | 906,0 | 904,5 | 5 |
| 6 | 1108,8 | 1107,6 | 1105,8 | 1104,0 | 1102,8 | 1101,0 | 1099,8 | 1098,0 | 1096,2 | 1095,0 | 1093,2 | 1091,4 | 1090,2 | 1088,4 | 1087,2 | 1085,4 | 6 |
| 7 | 1293,6 | 1292,2 | 1290,1 | 1288,0 | 1286,6 | 1284,5 | 1283,1 | 1281,0 | 1278,9 | 1277,5 | 1275,4 | 1273,3 | 1271,9 | 1269,8 | 1268,4 | 1266,3 | 7 |
| 8 | 1478,4 | 1476,8 | 1474,4 | 1472,0 | 1470,4 | 1468,0 | 1466,4 | 1464,0 | 1461,6 | 1460,0 | 1457,6 | 1455,2 | 1453,6 | 1451,2 | 1449,6 | 1447,2 | 8 |
| 9 | 1663,2 | 1661,4 | 1658,7 | 1656,0 | 1654,2 | 1651,5 | 1649,7 | 1647,0 | 1644,3 | 1642,5 | 1639,8 | 1637,1 | 1635,3 | 1632,6 | 1630,8 | 1628,1 | 9 |

| $2^g$ c cc | 1809 | 0 | 1811 | 1 | 1811 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **40 oo** | 8.57 62282 | 8.1960 170 | 8.57 65369 | 8.1963 257 | 1.42 34631 | 9.99 96913 | **60 oo** |
| 10 | 64091 | 169 | 67180 | 259 | 32820 | 96911 | 90 |
| 20 | 65898 | 168 | 68990 | 260 | 31010 | 96908 | 80 |
| 30 | 67705 | 167 | 70800 | 262 | 29200 | 96905 | 70 |
| 40 | 69511 | 167 | 72608 | 264 | 27392 | 96903 | 60 |
| 50 | 71317 | 166 | 74416 | 265 | 25584 | 96900 | 50 |
| 60 | 73121 | 165 | 76223 | 267 | 23777 | 96898 | 40 |
| 70 | 74925 | 164 | 78030 | 269 | 21970 | 96895 | 30 |
| 80 | 76728 | 163 | 79835 | 271 | 20165 | 96893 | 20 |
| 90 | 78530 | 162 | 81640 | 272 | 18360 | 96890 | 10 |
| **41 oo** | 8.57 80332 | 8.1960 161 | 8.57 83445 | 8.1963 274 | 1.42 16555 | 9.99 96887 | **59 oo** |
| 10 | 82133 | 161 | 85248 | 276 | 14752 | 96885 | 90 |
| 20 | 83933 | 160 | 87051 | 278 | 12949 | 96882 | 80 |
| 30 | 85732 | 159 | 88852 | 279 | 11148 | 96880 | 70 |
| 40 | 87531 | 158 | 90654 | 281 | 09346 | 96877 | 60 |
| 50 | 89328 | 157 | 92454 | 283 | 07546 | 96874 | 50 |
| 60 | 91126 | 156 | 94254 | 284 | 05746 | 96872 | 40 |
| 70 | 92922 | 155 | 96053 | 286 | 03947 | 96869 | 30 |
| 80 | 94717 | 155 | 97851 | 288 | 02149 | 96867 | 20 |
| 90 | 96512 | 154 | 8.57 99648 | 290 | 1.42 00352 | 96864 | 10 |
| **42 oo** | 8.57 98306 | 8.1960 153 | 8.58 01445 | 8.1963 291 | 1.41 98555 | 9.99 96861 | **58 oo** |
| 10 | 8.58 00100 | 152 | 03241 | 293 | 96759 | 96859 | 90 |
| 20 | 01892 | 151 | 05036 | 295 | 94964 | 96856 | 80 |
| 30 | 03684 | 150 | 06831 | 297 | 93169 | 96854 | 70 |
| 40 | 05475 | 149 | 08624 | 298 | 91376 | 96851 | 60 |
| 50 | 07266 | 148 | 10417 | 300 | 89583 | 96848 | 50 |
| 60 | 09056 | 148 | 12210 | 302 | 87790 | 96846 | 40 |
| 70 | 10844 | 147 | 14001 | 303 | 85999 | 96843 | 30 |
| 80 | 12633 | 146 | 15792 | 305 | 84208 | 96841 | 20 |
| 90 | 14420 | 145 | 17582 | 307 | 82418 | 96838 | 10 |
| **43 oo** | 8.58 16207 | 8.1960 144 | 8.58 19371 | 8.1963 309 | 1.41 80629 | 9.99 96835 | **57 oo** |
| 10 | 17993 | 143 | 21160 | 310 | 78840 | 96833 | 90 |
| 20 | 19778 | 142 | 22948 | 312 | 77052 | 96830 | 80 |
| 30 | 21563 | 142 | 24735 | 314 | 75265 | 96828 | 70 |
| 40 | 23346 | 141 | 26521 | 316 | 73479 | 96825 | 60 |
| 50 | 25129 | 140 | 28307 | 317 | 71693 | 96822 | 50 |
| 60 | 26912 | 139 | 30092 | 319 | 69908 | 96820 | 40 |
| 70 | 28693 | 138 | 31876 | 321 | 68124 | 96817 | 30 |
| 80 | 30474 | 137 | 33660 | 323 | 66340 | 96815 | 20 |
| 90 | 32254 | 136 | 35442 | 324 | 64558 | 96812 | 10 |
| **44 oo** | 8.58 34034 | 8.1960 135 | 8.58 37224 | 8.1963 326 | 1.41 62776 | 9.99 96809 | **56 oo** |
| 10 | 35812 | 135 | 39006 | 328 | 60994 | 96807 | 90 |
| 20 | 37590 | 134 | 40786 | 330 | 59214 | 96804 | 80 |
| 30 | 39367 | 133 | 42566 | 331 | 57434 | 96801 | 70 |
| 40 | 41144 | 132 | 44345 | 333 | 55655 | 96799 | 60 |
| 50 | 42920 | 131 | 46123 | 335 | 53877 | 96796 | 50 |
| 60 | 44695 | 130 | 47901 | 337 | 52099 | 96794 | 40 |
| 70 | 46469 | 129 | 49678 | 338 | 50322 | 96791 | 30 |
| 80 | 48243 | 128 | 51454 | 340 | 48546 | 96788 | 20 |
| 90 | 50015 | 128 | 53230 | 342 | 46770 | 96786 | 10 |
| **45 oo** | 8.58 51788 | 8.1960 127 | 8.58 55004 | 8.1963 344 | 1.41 44996 | 9.99 96783 | **55 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $97^g$ |
| | 1772 | 1 | 1774 | 2 | 1774 | 3 | |

| | 1811 | 1809 | 1806 | 1804 | 1801 | 1799 | 1797 | 1794 | 1792 | 1790 | 1787 | 1785 | 1782 | 1780 | 1778 | 1775 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 181,1 | 180,9 | 180,6 | 180,4 | 180,1 | 179,9 | 179,7 | 179,4 | 179,2 | 179,0 | 178,7 | 178,5 | 178,2 | 178,0 | 177,8 | 177,5 | 1 |
| 2 | 362,2 | 361,8 | 361,2 | 360,8 | 360,2 | 359,8 | 359,4 | 358,8 | 358,4 | 358,0 | 357,4 | 357,0 | 356,4 | 356,0 | 355,6 | 355,0 | 2 |
| 3 | 543,3 | 542,7 | 541,8 | 541,2 | 540,3 | 539,7 | 539,1 | 538,2 | 537,6 | 537,0 | 536,1 | 535,5 | 534,6 | 534,0 | 533,4 | 532,5 | 3 |
| 4 | 724,4 | 723,6 | 722,4 | 721,6 | 720,4 | 719,6 | 718,8 | 717,6 | 716,8 | 716,0 | 714,8 | 714,0 | 712,8 | 712,0 | 711,2 | 710,0 | 4 |
| 5 | 905,5 | 904,5 | 903,0 | 902,0 | 900,5 | 899,5 | 898,5 | 897,0 | 896,0 | 895,0 | 893,5 | 892,5 | 891,0 | 890,0 | 889,0 | 887,5 | 5 |
| 6 | 1086,6 | 1085,4 | 1083,6 | 1082,4 | 1080,6 | 1079,4 | 1078,2 | 1076,4 | 1075,2 | 1074,0 | 1072,2 | 1071,0 | 1069,2 | 1068,0 | 1066,8 | 1065,0 | 6 |
| 7 | 1267,7 | 1266,3 | 1264,2 | 1262,8 | 1260,7 | 1259,3 | 1257,9 | 1255,8 | 1254,4 | 1253,0 | 1250,9 | 1249,5 | 1247,4 | 1246,0 | 1244,6 | 1242,5 | 7 |
| 8 | 1448,8 | 1447,2 | 1444,8 | 1443,2 | 1440,8 | 1439,2 | 1437,6 | 1435,2 | 1433,6 | 1432,0 | 1429,6 | 1428,0 | 1425,6 | 1424,0 | 1422,4 | 1420,0 | 8 |
| 9 | 1629,9 | 1628,1 | 1625,4 | 1623,6 | 1620,9 | 1619,1 | 1617,3 | 1614,6 | 1612,8 | 1611,0 | 1608,3 | 1606,5 | 1603,8 | 1602,0 | 1600,2 | 1597,5 | 9 |

| $2^g$ c cc | 1771 | 0 | 1774 | 1 | 1774 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **45 oo** | 8.58 51788 | 8.1960 127 | 8.58 55004 | 8.1963 344 | 1.41 44996 | 9.99 96783 | **55 oo** |
| 10 | 53559 | 126 | 56778 | 345 | 43222 | 96781 | 90 |
| 20 | 55330 | 125 | 58552 | 347 | 41448 | 96778 | 80 |
| 30 | 57100 | 124 | 60324 | 349 | 39676 | 96775 | 70 |
| 40 | 58869 | 123 | 62096 | 351 | 37904 | 96773 | 60 |
| 50 | 60637 | 122 | 63867 | 352 | 36133 | 96770 | 50 |
| 60 | 62405 | 121 | 65638 | 354 | 34362 | 96767 | 40 |
| 70 | 64172 | 121 | 67407 | 356 | 32593 | 96765 | 30 |
| 80 | 65938 | 120 | 69176 | 358 | 30824 | 96762 | 20 |
| 90 | 67704 | 119 | 70945 | 359 | 29055 | 96759 | 10 |
| **46 oo** | 8.58 69469 | 8.1960 118 | 8.58 72712 | 8.1963 361 | 1.41 27288 | 9.99 96757 | **54 oo** |
| 10 | 71233 | 117 | 74479 | 363 | 25521 | 96754 | 90 |
| 20 | 72997 | 116 | 76245 | 365 | 23755 | 96752 | 80 |
| 30 | 74759 | 115 | 78011 | 366 | 21989 | 96749 | 70 |
| 40 | 76521 | 114 | 79775 | 368 | 20225 | 96746 | 60 |
| 50 | 78283 | 114 | 81539 | 370 | 18461 | 96744 | 50 |
| 60 | 80043 | 113 | 83302 | 372 | 16698 | 96741 | 40 |
| 70 | 81803 | 112 | 85065 | 373 | 14935 | 96738 | 30 |
| 80 | 83562 | 111 | 86827 | 375 | 13173 | 96736 | 20 |
| 90 | 85321 | 110 | 88588 | 377 | 11412 | 96733 | 10 |
| **47 oo** | 8.58 87079 | 8.1960 109 | 8.58 90348 | 8.1963 379 | 1.41 09652 | 9.99 96730 | **53 oo** |
| 10 | 88836 | 108 | 92108 | 381 | 07892 | 96728 | 90 |
| 20 | 90592 | 107 | 93867 | 382 | 06133 | 96725 | 80 |
| 30 | 92348 | 106 | 95625 | 384 | 04375 | 96722 | 70 |
| 40 | 94103 | 106 | 97383 | 386 | 02617 | 96720 | 60 |
| 50 | 95857 | 105 | 8.58 99140 | 388 | 1.41 00860 | 96717 | 50 |
| 60 | 97610 | 104 | 8.59 00896 | 389 | 1.40 99104 | 96714 | 40 |
| 70 | 8.58 99363 | 103 | 02651 | 391 | 97349 | 96712 | 30 |
| 80 | 8.59 01115 | 102 | 04406 | 393 | 95594 | 96709 | 20 |
| 90 | 02866 | 101 | 06160 | 395 | 93840 | 96707 | 10 |
| **48 oo** | 8.59 04617 | 8.1960 100 | 8.59 07913 | 8.1963 396 | 1.40 92087 | 9.99 96704 | **52 oo** |
| 10 | 06367 | 099 | 09666 | 398 | 90334 | 96701 | 90 |
| 20 | 08116 | 099 | 11418 | 400 | 88582 | 96699 | 80 |
| 30 | 09865 | 098 | 13169 | 402 | 86831 | 96696 | 70 |
| 40 | 11613 | 097 | 14919 | 404 | 85081 | 96693 | 60 |
| 50 | 13360 | 096 | 16669 | 405 | 83331 | 96691 | 50 |
| 60 | 15106 | 095 | 18418 | 407 | 81582 | 96688 | 40 |
| 70 | 16852 | 094 | 20167 | 409 | 79833 | 96685 | 30 |
| 80 | 18597 | 093 | 21914 | 411 | 78086 | 96683 | 20 |
| 90 | 20341 | 092 | 23661 | 412 | 76339 | 96680 | 10 |
| **49 oo** | 8.59 22085 | 8.1960 091 | 8.59 25408 | 8.1963 414 | 1.40 74592 | 9.99 96677 | **51 oo** |
| 10 | 23828 | 091 | 27153 | 416 | 72847 | 96675 | 90 |
| 20 | 25570 | 090 | 28898 | 418 | 71102 | 96672 | 80 |
| 30 | 27312 | 089 | 30642 | 420 | 69358 | 96669 | 70 |
| 40 | 29052 | 088 | 32386 | 421 | 67614 | 96667 | 60 |
| 50 | 30792 | 087 | 34129 | 423 | 65871 | 96664 | 50 |
| 60 | 32532 | 086 | 35871 | 425 | 64129 | 96661 | 40 |
| 70 | 34271 | 085 | 37612 | 427 | 62388 | 96658 | 30 |
| 80 | 36009 | 084 | 39353 | 428 | 60647 | 96656 | 20 |
| 90 | 37746 | 083 | 41093 | 430 | 58907 | 96653 | 10 |
| **50 oo** | 8.59 39483 | 8.1960 082 | 8.59 42832 | 8.1963 432 | 1.40 57168 | 9.99 96650 | **50 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 1737 | 1 | 1739 | 2 | 1739 | 3 | $97^g$ |

| | 1773 | 1770 | 1768 | 1766 | 1763 | 1761 | 1758 | 1756 | 1754 | 1751 | 1749 | 1747 | 1744 | 1742 | 1739 | 1737 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 177,3 | 177,0 | 176,8 | 176,6 | 176,3 | 176,1 | 175,8 | 175,6 | 175,4 | 175,1 | 174,9 | 174,7 | 174,4 | 174,2 | 173,9 | 173,7 | 1 |
| 2 | 354,6 | 354,0 | 353,6 | 353,2 | 352,6 | 352,2 | 351,6 | 351,2 | 350,8 | 350,2 | 349,8 | 349,4 | 348,8 | 348,4 | 347,8 | 347,4 | 2 |
| 3 | 531,9 | 531,0 | 530,4 | 529,8 | 528,9 | 528,3 | 527,4 | 526,8 | 526,2 | 525,3 | 524,7 | 524,1 | 523,2 | 522,6 | 521,7 | 521,1 | 3 |
| 4 | 709,2 | 708,0 | 707,2 | 706,4 | 705,2 | 704,4 | 703,2 | 702,4 | 701,6 | 700,4 | 699,6 | 698,8 | 697,6 | 696,8 | 695,6 | 694,8 | 4 |
| 5 | 886,5 | 885,0 | 884,0 | 883,0 | 881,5 | 880,5 | 879,0 | 878,0 | 877,0 | 875,5 | 874,5 | 873,5 | 872,0 | 871,0 | 869,5 | 868,5 | 5 |
| 6 | 1063,8 | 1062,0 | 1060,8 | 1059,6 | 1057,8 | 1056,6 | 1054,8 | 1053,6 | 1052,4 | 1050,6 | 1049,4 | 1048,2 | 1046,4 | 1045,2 | 1043,4 | 1042,2 | 6 |
| 7 | 1241,1 | 1239,0 | 1237,6 | 1236,2 | 1234,1 | 1232,7 | 1230,6 | 1229,2 | 1227,8 | 1225,7 | 1224,3 | 1222,9 | 1220,8 | 1219,4 | 1217,3 | 1215,9 | 7 |
| 8 | 1418,4 | 1416,0 | 1414,4 | 1412,8 | 1410,4 | 1408,8 | 1406,4 | 1404,8 | 1403,2 | 1400,8 | 1399,2 | 1397,6 | 1395,2 | 1393,6 | 1391,2 | 1389,6 | 8 |
| 9 | 1595,7 | 1593,0 | 1591,2 | 1589,4 | 1586,7 | 1584,9 | 1582,2 | 1580,4 | 1578,6 | 1575,9 | 1574,1 | 1572,3 | 1569,6 | 1567,8 | 1565,1 | 1563,3 | 9 |

| $2^g$ c cc | 1736 | 0 | 1739 | 1 | 1739 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **50 oo** | 8.59 39483 | 8.1960 082 | 8.59 42832 | 8.1963 432 | 1.40 57168 | 9.99 96650 | **50 oo** |
| 10 | 41219 | 082 | 44571 | 434 | 55429 | 96648 | 90 |
| 20 | 42954 | 081 | 46309 | 436 | 53691 | 96645 | 80 |
| 30 | 44688 | 080 | 48046 | 437 | 51954 | 96642 | 70 |
| 40 | 46422 | 079 | 49782 | 439 | 50218 | 96640 | 60 |
| 50 | 48155 | 078 | 51518 | 441 | 48482 | 96637 | 50 |
| 60 | 49888 | 077 | 53253 | 443 | 46747 | 96634 | 40 |
| 70 | 51620 | 076 | 54988 | 445 | 45012 | 96632 | 30 |
| 80 | 53351 | 075 | 56722 | 446 | 43278 | 96629 | 20 |
| 90 | 55081 | 074 | 58455 | 448 | 41545 | 96626 | 10 |
| **51 oo** | 8.59 56811 | 8.1960 074 | 8.59 60187 | 8.1963 450 | 1.40 39813 | 9.99 96624 | **49 oo** |
| 10 | 58540 | 073 | 61919 | 452 | 38081 | 96621 | 90 |
| 20 | 60268 | 072 | 63650 | 454 | 36350 | 96618 | 80 |
| 30 | 61996 | 071 | 65380 | 455 | 34620 | 96616 | 70 |
| 40 | 63723 | 070 | 67110 | 457 | 32890 | 96613 | 60 |
| 50 | 65449 | 069 | 68839 | 459 | 31161 | 96610 | 50 |
| 60 | 67175 | 068 | 70567 | 461 | 29433 | 96607 | 40 |
| 70 | 68899 | 067 | 72295 | 463 | 27705 | 96605 | 30 |
| 80 | 70624 | 066 | 74022 | 464 | 25978 | 96602 | 20 |
| 90 | 72347 | 065 | 75748 | 466 | 24252 | 96599 | 10 |
| **52 oo** | 8.59 74070 | 8.1960 065 | 8.59 77473 | 8.1963 468 | 1.40 22527 | 9.99 96597 | **48 oo** |
| 10 | 75792 | 064 | 79198 | 470 | 20802 | 96594 | 90 |
| 20 | 77514 | 063 | 80922 | 472 | 19078 | 96591 | 80 |
| 30 | 79234 | 062 | 82646 | 473 | 17354 | 96589 | 70 |
| 40 | 80954 | 061 | 84369 | 475 | 15631 | 96586 | 60 |
| 50 | 82674 | 060 | 86091 | 477 | 13909 | 96583 | 50 |
| 60 | 84393 | 059 | 87812 | 479 | 12188 | 96580 | 40 |
| 70 | 86111 | 058 | 89533 | 481 | 10467 | 96578 | 30 |
| 80 | 87828 | 057 | 91253 | 482 | 08747 | 96575 | 20 |
| 90 | 89545 | 056 | 92972 | 484 | 07028 | 96572 | 10 |
| **53 oo** | 8.59 91261 | 8.1960 056 | 8.59 94691 | 8.1963 486 | 1.40 05309 | 9.99 96570 | **47 oo** |
| 10 | 92976 | 055 | 96409 | 488 | 03591 | 96567 | 90 |
| 20 | 94691 | 054 | 98127 | 490 | 01873 | 96564 | 80 |
| 30 | 96405 | 053 | 8.59 99843 | 491 | 1.40 00157 | 96561 | 70 |
| 40 | 98118 | 052 | 8.60 01559 | 493 | 1.39 98441 | 96559 | 60 |
| 50 | 8.59 99831 | 051 | 03275 | 495 | 96725 | 96556 | 50 |
| 60 | 8.60 01543 | 050 | 04989 | 497 | 95011 | 96553 | 40 |
| 70 | 03254 | 049 | 06703 | 499 | 93297 | 96551 | 30 |
| 80 | 04964 | 048 | 08417 | 500 | 91583 | 96548 | 20 |
| 90 | 06674 | 047 | 10129 | 502 | 89871 | 96545 | 10 |
| **54 oo** | 8.60 08384 | 8.1960 046 | 8.60 11841 | 8.1963 504 | 1.39 88159 | 9.99 96542 | **46 oo** |
| 10 | 10092 | 046 | 13553 | 506 | 86447 | 96540 | 90 |
| 20 | 11800 | 045 | 15263 | 508 | 84737 | 96537 | 80 |
| 30 | 13507 | 044 | 16973 | 510 | 83027 | 96534 | 70 |
| 40 | 15214 | 043 | 18682 | 511 | 81318 | 96531 | 60 |
| 50 | 16920 | 042 | 20391 | 513 | 79609 | 96529 | 50 |
| 60 | 18625 | 041 | 22099 | 515 | 77901 | 96526 | 40 |
| 70 | 20330 | 040 | 23806 | 517 | 76194 | 96523 | 30 |
| 80 | 22033 | 039 | 25513 | 519 | 74487 | 96521 | 20 |
| 90 | 23737 | 038 | 27219 | 520 | 72781 | 96518 | 10 |
| **55 oo** | 8.60 25439 | 8.1960 037 | 8.60 28924 | 8.1963 522 | 1.39 71076 | 9.99 96515 | **45 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 1702 | 1 | 1705 | 2 | 1705 | 3 | **$97^g$** |

| | 1739 | 1737 | 1735 | 1732 | 1730 | 1728 | 1726 | 1723 | 1721 | 1719 | 1717 | 1715 | 1712 | 1710 | 1708 | 1706 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 173,9 | 173,7 | 173,5 | 173,2 | 173,0 | 172,8 | 172,6 | 172,3 | 172,1 | 171,9 | 171,7 | 171,5 | 171,2 | 171,0 | 170,8 | 170,6 | 1 |
| 2 | 347,8 | 347,4 | 347,0 | 346,4 | 346,0 | 345,6 | 345,2 | 344,6 | 344,2 | 343,8 | 343,4 | 343,0 | 342,4 | 342,0 | 341,6 | 341,2 | 2 |
| 3 | 521,7 | 521,1 | 520,5 | 519,6 | 519,0 | 518,4 | 517,8 | 516,9 | 516,3 | 515,7 | 515,1 | 514,5 | 513,6 | 513,0 | 512,4 | 511,8 | 3 |
| 4 | 695,6 | 694,8 | 694,0 | 692,8 | 692,0 | 691,2 | 690,4 | 689,2 | 688,4 | 687,6 | 686,8 | 686,0 | 684,8 | 684,0 | 683,2 | 682,4 | 4 |
| 5 | 869,5 | 868,5 | 867,5 | 866,0 | 865,0 | 864,0 | 863,0 | 861,5 | 860,5 | 859,5 | 858,5 | 857,5 | 856,0 | 855,0 | 854,0 | 853,0 | 5 |
| 6 | 1043,4 | 1042,2 | 1041,0 | 1039,2 | 1038,0 | 1036,8 | 1035,6 | 1033,8 | 1032,6 | 1031,4 | 1030,2 | 1029,0 | 1027,2 | 1026,0 | 1024,8 | 1023,6 | 6 |
| 7 | 1217,3 | 1215,9 | 1214,5 | 1212,4 | 1211,0 | 1209,6 | 1208,2 | 1206,1 | 1204,7 | 1203,3 | 1201,9 | 1200,5 | 1198,4 | 1197,0 | 1195,6 | 1194,2 | 7 |
| 8 | 1391,2 | 1389,6 | 1388,0 | 1385,6 | 1384,0 | 1382,4 | 1380,8 | 1378,4 | 1376,8 | 1375,2 | 1373,6 | 1372,0 | 1369,6 | 1368,0 | 1366,4 | 1364,8 | 8 |
| 9 | 1565,1 | 1563,3 | 1561,5 | 1558,8 | 1557,0 | 1555,2 | 1553,4 | 1550,7 | 1548,9 | 1547,1 | 1545,3 | 1543,5 | 1540,8 | 1539,0 | 1537,2 | 1535,4 | 9 |

| $2^g$ c cc | 1702 | 0 | 1705 | 1 | 1705 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **55 oo** | 8.60 25439 | 8.1960 037 | 8.60 28924 | 8.1963 522 | 1.39 71076 | 9.99 96515 | **45 oo** |
| 10 | 27141 | 036 | 30629 | 524 | 69371 | 96512 | 90 |
| 20 | 28842 | 036 | 32333 | 526 | 67667 | 96510 | 80 |
| 30 | 30543 | 035 | 34036 | 528 | 65964 | 96507 | 70 |
| 40 | 32243 | 034 | 35739 | 530 | 64261 | 96504 | 60 |
| 50 | 33942 | 033 | 37440 | 531 | 62560 | 96501 | 50 |
| 60 | 35640 | 032 | 39142 | 533 | 60858 | 96499 | 40 |
| 70 | 37338 | 031 | 40842 | 535 | 59158 | 96496 | 30 |
| 80 | 39035 | 030 | 42542 | 537 | 57458 | 96493 | 20 |
| 90 | 40732 | 029 | 44242 | 539 | 55758 | 96490 | 10 |
| **56 oo** | 8.60 42428 | 8.1960 028 | 8.60 45940 | 8.1963 541 | 1.39 54060 | 9.99 96488 | **44 oo** |
| 10 | 44123 | 027 | 47638 | 542 | 52362 | 96485 | 90 |
| 20 | 45818 | 026 | 49335 | 544 | 50665 | 96482 | 80 |
| 30 | 47512 | 026 | 51032 | 546 | 48968 | 96479 | 70 |
| 40 | 49205 | 025 | 52728 | 548 | 47272 | 96477 | 60 |
| 50 | 50897 | 024 | 54423 | 550 | 45577 | 96474 | 50 |
| 60 | 52589 | 023 | 56118 | 552 | 43882 | 96471 | 40 |
| 70 | 54281 | 022 | 57812 | 553 | 42188 | 96468 | 30 |
| 80 | 55971 | 021 | 59505 | 555 | 40495 | 96466 | 20 |
| 90 | 57661 | 020 | 61198 | 557 | 38802 | 96463 | 10 |
| **57 oo** | 8.60 59350 | 8.1960 019 | 8.60 62890 | 8.1963 559 | 1.39 37110 | 9.99 96460 | **43 oo** |
| 10 | 61039 | 018 | 64581 | 561 | 35419 | 96457 | 90 |
| 20 | 62727 | 017 | 66272 | 563 | 33728 | 96455 | 80 |
| 30 | 64414 | 016 | 67962 | 564 | 32038 | 96452 | 70 |
| 40 | 66101 | 015 | 69652 | 566 | 30348 | 96449 | 60 |
| 50 | 67787 | 014 | 71340 | 568 | 28660 | 96446 | 50 |
| 60 | 69472 | 014 | 73029 | 570 | 26971 | 96444 | 40 |
| 70 | 71157 | 013 | 74716 | 572 | 25284 | 96441 | 30 |
| 80 | 72841 | 012 | 76403 | 574 | 23597 | 96438 | 20 |
| 90 | 74524 | 011 | 78089 | 575 | 21911 | 96435 | 10 |
| **58 oo** | 8.60 76207 | 8.1960 010 | 8.60 79774 | 8.1963 577 | 1.39 20226 | 9.99 96433 | **42 oo** |
| 10 | 77889 | 009 | 81459 | 579 | 18541 | 96430 | 90 |
| 20 | 79570 | 008 | 83143 | 581 | 16857 | 96427 | 80 |
| 30 | 81251 | 007 | 84827 | 583 | 15173 | 96424 | 70 |
| 40 | 82931 | 006 | 86510 | 585 | 13490 | 96422 | 60 |
| 50 | 84611 | 005 | 88192 | 587 | 11808 | 96419 | 50 |
| 60 | 86290 | 004 | 89874 | 588 | 10126 | 96416 | 40 |
| 70 | 87968 | 003 | 91555 | 590 | 08445 | 96413 | 30 |
| 80 | 89645 | 003 | 93235 | 592 | 06765 | 96410 | 20 |
| 90 | 91322 | 002 | 94914 | 594 | 05086 | 96408 | 10 |
| **59 oo** | 8.60 92998 | 8.1960 001 | 8.60 96593 | 8.1963 596 | 1.39 03407 | 9.99 96405 | **41 oo** |
| 10 | 94674 | 8.1960 000 | 98272 | 598 | 01728 | 96402 | 90 |
| 20 | 96349 | 8.1959 999 | 8.60 99949 | 599 | 1.39 00051 | 96399 | 80 |
| 30 | 98023 | 998 | 8.61 01627 | 601 | 1.38 98373 | 96397 | 70 |
| 40 | 8.60 99697 | 997 | 03303 | 603 | 96697 | 96394 | 60 |
| 50 | 8.61 01370 | 996 | 04979 | 605 | 95021 | 96391 | 50 |
| 60 | 03042 | 995 | 06654 | 607 | 93346 | 96388 | 40 |
| 70 | 04714 | 994 | 08328 | 609 | 91672 | 96385 | 30 |
| 80 | 06385 | 993 | 10002 | 611 | 89998 | 96383 | 20 |
| 90 | 08055 | 992 | 11675 | 612 | 88325 | 96380 | 10 |
| **60 oo** | 8.61 09725 | 8.1959 991 | 8.61 13348 | 8.1963 614 | 1.38 86652 | 9.99 96377 | **40 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc **$97^g$** |
| | 1670 | 1 | 1673 | 2 | 1673 | 3 | |

| | 1703 | 1701 | 1699 | 1697 | 1694 | 1692 | 1690 | 1688 | 1686 | 1683 | 1681 | 1679 | 1677 | 1674 | 1672 | 1670 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 170,3 | 170,1 | 169,9 | 169,7 | 169,4 | 169,2 | 169,0 | 168,8 | 168,6 | 168,3 | 168,1 | 167,9 | 167,7 | 167,4 | 167,2 | 167,0 | 1 |
| 2 | 340,6 | 340,2 | 339,8 | 339,4 | 338,8 | 338,4 | 338,0 | 337,6 | 337,2 | 336,6 | 336,2 | 335,8 | 335,4 | 334,8 | 334,4 | 334,0 | 2 |
| 3 | 510,9 | 510,3 | 509,7 | 509,1 | 508,2 | 507,6 | 507,0 | 506,4 | 505,8 | 504,9 | 504,3 | 503,7 | 503,1 | 502,2 | 501,6 | 501,0 | 3 |
| 4 | 681,2 | 680,4 | 679,6 | 678,8 | 677,6 | 676,8 | 676,0 | 675,2 | 674,4 | 673,2 | 672,4 | 671,6 | 670,8 | 669,6 | 668,8 | 668,0 | 4 |
| 5 | 851,5 | 850,5 | 849,5 | 848,5 | 847,0 | 846,0 | 845,0 | 844,0 | 843,0 | 841,5 | 840,5 | 839,5 | 838,5 | 837,0 | 836,0 | 835,0 | 5 |
| 6 | 1021,8 | 1020,6 | 1019,4 | 1018,2 | 1016,4 | 1015,2 | 1014,0 | 1012,8 | 1011,6 | 1009,8 | 1008,6 | 1007,4 | 1006,2 | 1004,4 | 1003,2 | 1002,0 | 6 |
| 7 | 1192,1 | 1190,7 | 1189,3 | 1187,9 | 1185,8 | 1184,4 | 1183,0 | 1181,6 | 1180,2 | 1178,1 | 1176,7 | 1175,3 | 1173,9 | 1171,8 | 1170,4 | 1169,0 | 7 |
| 8 | 1362,4 | 1360,8 | 1359,2 | 1357,6 | 1355,2 | 1353,6 | 1352,0 | 1350,4 | 1348,8 | 1346,4 | 1344,8 | 1343,2 | 1341,6 | 1339,2 | 1337,6 | 1336,0 | 8 |
| 9 | 1532,7 | 1530,9 | 1529,1 | 1527,3 | 1524,6 | 1522,8 | 1521,0 | 1519,2 | 1517,4 | 1514,7 | 1512,9 | 1511,1 | 1509,3 | 1506,6 | 1504,8 | 1503,0 | 9 |

| $2^g$ c cc | 1669 | 0 | 1672 | 1 | 1672 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **60 oo** | 8.61 09725 | 8.1959 991 | 8.61 13348 | 8.1963 614 | 1.38 86652 | 9.99 96377 | **40 oo** |
| 10 | 11394 | 990 | 15020 | 616 | 84980 | 96374 | 90 |
| 20 | 13062 | 990 | 16691 | 618 | 83309 | 96371 | 80 |
| 30 | 14730 | 989 | 18362 | 620 | 81638 | 96369 | 70 |
| 40 | 16397 | 988 | 20032 | 622 | 79968 | 96366 | 60 |
| 50 | 18064 | 987 | 21701 | 624 | 78299 | 96363 | 50 |
| 60 | 19730 | 986 | 23370 | 626 | 76630 | 96360 | 40 |
| 70 | 21395 | 985 | 25038 | 627 | 74962 | 96358 | 30 |
| 80 | 23060 | 984 | 26705 | 629 | 73295 | 96355 | 20 |
| 90 | 24724 | 983 | 28372 | 631 | 71628 | 96352 | 10 |
| **61 oo** | 8.61 26387 | 8.1959 982 | 8.61 30038 | 8.1963 633 | 1.38 69962 | 9.99 96349 | **39 oo** |
| 10 | 28050 | 981 | 31704 | 635 | 68296 | 96346 | 90 |
| 20 | 29712 | 980 | 33368 | 637 | 66632 | 96344 | 80 |
| 30 | 31373 | 979 | 35033 | 639 | 64967 | 96341 | 70 |
| 40 | 33034 | 978 | 36696 | 640 | 63304 | 96338 | 60 |
| 50 | 34694 | 977 | 38359 | 642 | 61641 | 96335 | 50 |
| 60 | 36354 | 976 | 40022 | 644 | 59978 | 96332 | 40 |
| 70 | 38013 | 976 | 41683 | 646 | 58317 | 96330 | 30 |
| 80 | 39671 | 975 | 43344 | 648 | 56656 | 96327 | 20 |
| 90 | 41329 | 974 | 45005 | 650 | 54995 | 96324 | 10 |
| **62 oo** | 8.61 42986 | 8.1959 973 | 8.61 46665 | 8.1963 652 | 1.38 53335 | 9.99 96321 | **38 oo** |
| 10 | 44642 | 972 | 48324 | 654 | 51676 | 96318 | 90 |
| 20 | 46298 | 971 | 49982 | 655 | 50018 | 96315 | 80 |
| 30 | 47953 | 970 | 51640 | 657 | 48360 | 96313 | 70 |
| 40 | 49607 | 969 | 53297 | 659 | 46703 | 96310 | 60 |
| 50 | 51261 | 968 | 54954 | 661 | 45046 | 96307 | 50 |
| 60 | 52914 | 967 | 56610 | 663 | 43390 | 96304 | 40 |
| 70 | 54567 | 966 | 58266 | 665 | 41734 | 96301 | 30 |
| 80 | 56219 | 965 | 59920 | 667 | 40080 | 96299 | 20 |
| 90 | 57870 | 964 | 61574 | 669 | 38426 | 96296 | 10 |
| **63 oo** | 8.61 59521 | 8.1959 963 | 8.61 63228 | 8.1963 670 | 1.38 36772 | 9.99 96293 | **37 oo** |
| 10 | 61171 | 962 | 64881 | 672 | 35119 | 96290 | 90 |
| 20 | 62820 | 961 | 66533 | 674 | 33467 | 96287 | 80 |
| 30 | 64469 | 961 | 68185 | 676 | 31815 | 96284 | 70 |
| 40 | 66117 | 960 | 69836 | 678 | 30164 | 96282 | 60 |
| 50 | 67765 | 959 | 71486 | 680 | 28514 | 96279 | 50 |
| 60 | 69412 | 958 | 73136 | 682 | 26864 | 96276 | 40 |
| 70 | 71058 | 957 | 74785 | 684 | 25215 | 96273 | 30 |
| 80 | 72704 | 956 | 76433 | 685 | 23567 | 96270 | 20 |
| 90 | 74349 | 955 | 78081 | 687 | 21919 | 96268 | 10 |
| **64 oo** | 8.61 75993 | 8.1959 954 | 8.61 79729 | 8.1963 689 | 1.38 20271 | 9.99 96265 | **36 oo** |
| 10 | 77637 | 953 | 81375 | 691 | 18625 | 96262 | 90 |
| 20 | 79280 | 952 | 83021 | 693 | 16979 | 96259 | 80 |
| 30 | 80923 | 951 | 84667 | 695 | 15333 | 96256 | 70 |
| 40 | 82565 | 950 | 86311 | 697 | 13689 | 96253 | 60 |
| 50 | 84206 | 949 | 87955 | 699 | 12045 | 96251 | 50 |
| 60 | 85847 | 948 | 89599 | 701 | 10401 | 96248 | 40 |
| 70 | 87487 | 947 | 91242 | 702 | 08758 | 96245 | 30 |
| 80 | 89126 | 946 | 92884 | 704 | 07116 | 96242 | 20 |
| 90 | 90765 | 945 | 94526 | 706 | 05474 | 96239 | 10 |
| **65 oo** | 8.61 92403 | 8.1959 945 | 8.61 96167 | 8.1963 708 | 1.38 03833 | 9.99 96236 | **35 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $97^g$ |
| | 1638 | 1 | 1641 | 2 | 1641 | 3 | |

| | 1672 | 1670 | 1668 | 1666 | 1664 | 1662 | 1659 | 1657 | 1655 | 1653 | 1651 | 1649 | 1647 | 1645 | 1643 | 1641 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 167,2 | 167,0 | 166,8 | 166,6 | 166,4 | 166,2 | 165,9 | 165,7 | 165,5 | 165,3 | 165,1 | 164,9 | 164,7 | 164,5 | 164,3 | 164,1 | 1 |
| 2 | 334,4 | 334,0 | 333,6 | 333,2 | 332,8 | 332,4 | 331,8 | 331,4 | 331,0 | 330,6 | 330,2 | 329,8 | 329,4 | 329,0 | 328,6 | 328,2 | 2 |
| 3 | 501,6 | 501,0 | 500,4 | 499,8 | 499,2 | 498,6 | 497,7 | 497,1 | 496,5 | 495,9 | 495,3 | 494,7 | 494,1 | 493,5 | 492,9 | 492,3 | 3 |
| 4 | 668,8 | 668,0 | 667,2 | 666,4 | 665,6 | 664,8 | 663,6 | 662,8 | 662,0 | 661,2 | 660,4 | 659,6 | 658,8 | 658,0 | 657,2 | 656,4 | 4 |
| 5 | 836,0 | 835,0 | 834,0 | 833,0 | 832,0 | 831,0 | 829,5 | 828,5 | 827,5 | 826,5 | 825,5 | 824,5 | 823,5 | 822,5 | 821,5 | 820,5 | 5 |
| 6 | 1003,2 | 1002,0 | 1000,8 | 999,6 | 998,4 | 997,2 | 995,4 | 994,2 | 993,0 | 991,8 | 990,6 | 989,4 | 988,2 | 987,0 | 985,8 | 984,6 | 6 |
| 7 | 1170,4 | 1169,0 | 1167,6 | 1166,2 | 1164,8 | 1163,4 | 1161,3 | 1159,9 | 1158,5 | 1157,1 | 1155,7 | 1154,3 | 1152,9 | 1151,5 | 1150,1 | 1148,7 | 7 |
| 8 | 1337,6 | 1336,0 | 1334,4 | 1332,8 | 1331,2 | 1329,6 | 1327,2 | 1325,6 | 1324,0 | 1322,4 | 1320,8 | 1319,2 | 1317,6 | 1316,0 | 1314,4 | 1312,8 | 8 |
| 9 | 1504,8 | 1503,0 | 1501,2 | 1499,4 | 1497,6 | 1495,8 | 1493,1 | 1491,3 | 1489,5 | 1487,7 | 1485,9 | 1484,1 | 1482,3 | 1480,5 | 1478,7 | 1476,9 | 9 |

| $2^g$ c cc | 1638 | 0 | 1640 | 1 | 1640 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **65 oo** | 8.61 92403 | 8.1959 945 | 8.61 96167 | 8.1963 708 | 1.38 03833 | 9.99 96236 | **35 oo** |
| 10 | 94041 | 944 | 97807 | 710 | 02193 | 96233 | 90 |
| 20 | 95678 | 943 | 8.61 99447 | 712 | 1.38 00553 | 96231 | 80 |
| 30 | 97314 | 942 | 8.62 01086 | 714 | 1.37 98914 | 96228 | 70 |
| 40 | 8.61 98950 | 941 | 02725 | 716 | 97275 | 96225 | 60 |
| 50 | 8.62 00585 | 940 | 04363 | 718 | 95637 | 96222 | 50 |
| 60 | 02220 | 939 | 06000 | 720 | 94000 | 96219 | 40 |
| 70 | 03853 | 938 | 07637 | 721 | 92363 | 96216 | 30 |
| 80 | 05487 | 937 | 09273 | 723 | 90727 | 96214 | 20 |
| 90 | 07119 | 936 | 10909 | 725 | 89091 | 96211 | 10 |
| **66 oo** | 8.62 08751 | 8.1959 935 | 8.62 12544 | 8.1963 727 | 1.37 87456 | 9.99 96208 | **34 oo** |
| 10 | 10383 | 934 | 14178 | 729 | 85822 | 96205 | 90 |
| 20 | 12014 | 933 | 15811 | 731 | 84189 | 96202 | 80 |
| 30 | 13644 | 932 | 17445 | 733 | 82555 | 96199 | 70 |
| 40 | 15273 | 931 | 19077 | 735 | 80923 | 96196 | 60 |
| 50 | 16902 | 930 | 20709 | 737 | 79291 | 96194 | 50 |
| 60 | 18531 | 929 | 22340 | 739 | 77660 | 96191 | 40 |
| 70 | 20159 | 928 | 23971 | 740 | 76029 | 96188 | 30 |
| 80 | 21786 | 927 | 25601 | 742 | 74399 | 96185 | 20 |
| 90 | 23412 | 926 | 27230 | 744 | 72770 | 96182 | 10 |
| **67 oo** | 8.62 25038 | 8.1959 925 | 8.62 28859 | 8.1963 746 | 1.37 71141 | 9.99 96179 | **33 oo** |
| 10 | 26663 | 925 | 30487 | 748 | 69513 | 96176 | 90 |
| 20 | 28288 | 924 | 32115 | 750 | 67885 | 96174 | 80 |
| 30 | 29912 | 923 | 33742 | 752 | 66258 | 96171 | 70 |
| 40 | 31536 | 922 | 35368 | 754 | 64632 | 96168 | 60 |
| 50 | 33159 | 921 | 36994 | 756 | 63006 | 96165 | 50 |
| 60 | 34781 | 920 | 38619 | 758 | 61381 | 96162 | 40 |
| 70 | 36403 | 919 | 40243 | 760 | 59757 | 96159 | 30 |
| 80 | 38024 | 918 | 41867 | 762 | 58133 | 96156 | 20 |
| 90 | 39644 | 917 | 43491 | 763 | 56509 | 96153 | 10 |
| **68 oo** | 8.62 41264 | 8.1959 916 | 8.62 45113 | 8.1963 765 | 1.37 54887 | 9.99 96151 | **32 oo** |
| 10 | 42883 | 915 | 46735 | 767 | 53265 | 96148 | 90 |
| 20 | 44502 | 914 | 48357 | 769 | 51643 | 96145 | 80 |
| 30 | 46120 | 913 | 49978 | 771 | 50022 | 96142 | 70 |
| 40 | 47737 | 912 | 51598 | 773 | 48402 | 96139 | 60 |
| 50 | 49354 | 911 | 53218 | 775 | 46782 | 96136 | 50 |
| 60 | 50970 | 910 | 54837 | 777 | 45163 | 96133 | 40 |
| 70 | 52586 | 909 | 56455 | 779 | 43545 | 96130 | 30 |
| 80 | 54201 | 908 | 58073 | 781 | 41927 | 96128 | 20 |
| 90 | 55815 | 907 | 59691 | 783 | 40309 | 96125 | 10 |
| **69 oo** | 8.62 57429 | 8.1959 906 | 8.62 61307 | 8.1963 785 | 1.37 38693 | 9.99 96122 | **31 oo** |
| 10 | 59042 | 905 | 62923 | 786 | 37077 | 96119 | 90 |
| 20 | 60655 | 904 | 64539 | 788 | 35461 | 96116 | 80 |
| 30 | 62267 | 903 | 66154 | 790 | 33846 | 96113 | 70 |
| 40 | 63878 | 903 | 67768 | 792 | 32232 | 96110 | 60 |
| 50 | 65489 | 902 | 69382 | 794 | 30618 | 96107 | 50 |
| 60 | 67099 | 901 | 70995 | 796 | 29005 | 96104 | 40 |
| 70 | 68709 | 900 | 72607 | 798 | 27393 | 96102 | 30 |
| 80 | 70318 | 899 | 74219 | 800 | 25781 | 96099 | 20 |
| 90 | 71927 | 898 | 75831 | 802 | 24169 | 96096 | 10 |
| **70 oo** | 8.62 73534 | 8.1959 897 | 8.62 77441 | 8.1963 804 | 1.37 22559 | 9.99 96093 | **30 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $97^g$ |
| | 1607 | 1 | 1610 | 2 | 1610 | 3 | |

| | 1638 | 1636 | 1634 | 1632 | 1630 | 1628 | 1626 | 1624 | 1622 | 1620 | 1617 | 1615 | 1613 | 1611 | 1609 | 1607 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 163,8 | 163,6 | 163,4 | 163,2 | 163,0 | 162,8 | 162,6 | 162,4 | 162,2 | 162,0 | 161,7 | 161,5 | 161,3 | 161,1 | 160,9 | 160,7 | 1 |
| 2 | 327,6 | 327,2 | 326,8 | 326,4 | 326,0 | 325,6 | 325,2 | 324,8 | 324,4 | 324,0 | 323,4 | 323,0 | 322,6 | 322,2 | 321,8 | 321,4 | 2 |
| 3 | 491,4 | 490,8 | 490,2 | 489,6 | 489,0 | 488,4 | 487,8 | 487,2 | 486,6 | 486,0 | 485,1 | 484,5 | 483,9 | 483,3 | 482,7 | 482,1 | 3 |
| 4 | 655,2 | 654,4 | 653,6 | 652,8 | 652,0 | 651,2 | 650,4 | 649,6 | 648,8 | 648,0 | 646,8 | 646,0 | 645,2 | 644,4 | 643,6 | 642,8 | 4 |
| 5 | 819,0 | 818,0 | 817,0 | 816,0 | 815,0 | 814,0 | 813,0 | 812,0 | 811,0 | 810,0 | 808,5 | 807,5 | 806,5 | 805,5 | 804,5 | 803,5 | 5 |
| 6 | 982,8 | 981,6 | 980,4 | 979,2 | 978,0 | 976,8 | 975,6 | 974,4 | 973,2 | 972,0 | 970,2 | 969,0 | 967,8 | 966,6 | 965,4 | 964,2 | 6 |
| 7 | 1146,6 | 1145,2 | 1143,8 | 1142,4 | 1141,0 | 1139,6 | 1138,2 | 1136,8 | 1135,4 | 1134,0 | 1131,9 | 1130,5 | 1129,1 | 1127,7 | 1126,3 | 1124,9 | 7 |
| 8 | 1310,4 | 1308,8 | 1307,2 | 1305,6 | 1304,0 | 1302,4 | 1300,8 | 1299,2 | 1297,6 | 1296,0 | 1293,6 | 1292,0 | 1290,4 | 1288,8 | 1287,2 | 1285,6 | 8 |
| 9 | 1474,2 | 1472,4 | 1470,6 | 1468,8 | 1467,0 | 1465,2 | 1463,4 | 1461,6 | 1459,8 | 1458,0 | 1455,3 | 1453,5 | 1451,7 | 1449,9 | 1448,1 | 1446,3 | 9 |

| $2^g$ c cc | 1608 | 0 | 1611 | 1 | 1611 | 2 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **70 oo** | 8.62 73534 | 8.1959 897 | 8.62 77441 | 8.1963 804 | 1.37 22559 | 9.99 96093 | **30 oo** |
| 10 | 75142 | 896 | 79052 | 806 | 20948 | 96090 | 90 |
| 20 | 76748 | 895 | 80661 | 808 | 19339 | 96087 | 80 |
| 30 | 78354 | 894 | 82270 | 810 | 17730 | 96084 | 70 |
| 40 | 79960 | 893 | 83878 | 812 | 16122 | 96081 | 60 |
| 50 | 81565 | 892 | 85486 | 813 | 14514 | 96078 | 50 |
| 60 | 83169 | 891 | 87093 | 815 | 12907 | 96076 | 40 |
| 70 | 84773 | 890 | 88700 | 817 | 11300 | 96073 | 30 |
| 80 | 86376 | 889 | 90306 | 819 | 09694 | 96070 | 20 |
| 90 | 87978 | 888 | 91911 | 821 | 08089 | 96067 | 10 |
| **71 oo** | 8.62 89580 | 8.1959 887 | 8.62 93516 | 8.1963 823 | 1.37 06484 | 9.99 96064 | **29 oo** |
| 10 | 91181 | 886 | 95120 | 825 | 04880 | 96061 | 90 |
| 20 | 92782 | 885 | 96724 | 827 | 03276 | 96058 | 80 |
| 30 | 94382 | 884 | 98327 | 829 | 01673 | 96055 | 70 |
| 40 | 95982 | 883 | 8.62 99929 | 831 | 1.37 00071 | 96052 | 60 |
| 50 | 97581 | 882 | 8.63 01531 | 833 | 1.36 98469 | 96049 | 50 |
| 60 | 8.62 99179 | 881 | 03132 | 835 | 96868 | 96046 | 40 |
| 70 | 8.63 00777 | 880 | 04733 | 837 | 95267 | 96044 | 30 |
| 80 | 02374 | 879 | 06333 | 839 | 93667 | 96041 | 20 |
| 90 | 03970 | 878 | 07933 | 841 | 92067 | 96038 | 10 |
| **72 oo** | 8.63 05566 | 8.1959 877 | 8.63 09532 | 8.1963 843 | 1.36 90468 | 9.99 96035 | **28 oo** |
| 10 | 07162 | 876 | 11130 | 844 | 88870 | 96032 | 90 |
| 20 | 08757 | 875 | 12728 | 846 | 87272 | 96029 | 80 |
| 30 | 10351 | 874 | 14325 | 848 | 85675 | 96026 | 70 |
| 40 | 11945 | 873 | 15921 | 850 | 84079 | 96023 | 60 |
| 50 | 13538 | 872 | 17517 | 852 | 82483 | 96020 | 50 |
| 60 | 15130 | 872 | 19113 | 854 | 80887 | 96017 | 40 |
| 70 | 16722 | 871 | 20708 | 856 | 79292 | 96014 | 30 |
| 80 | 18313 | 870 | 22302 | 858 | 77698 | 96011 | 20 |
| 90 | 19904 | 869 | 23895 | 860 | 76105 | 96009 | 10 |
| **73 oo** | 8.63 21494 | 8.1959 868 | 8.63 25489 | 8.1963 862 | 1.36 74511 | 9.99 96006 | **27 oo** |
| 10 | 23084 | 867 | 27081 | 864 | 72919 | 96003 | 90 |
| 20 | 24673 | 866 | 28673 | 866 | 71327 | 96000 | 80 |
| 30 | 26261 | 865 | 30264 | 868 | 69736 | 95997 | 70 |
| 40 | 27849 | 864 | 31855 | 870 | 68145 | 95994 | 60 |
| 50 | 29436 | 863 | 33445 | 872 | 66555 | 95991 | 50 |
| 60 | 31023 | 862 | 35035 | 874 | 64965 | 95988 | 40 |
| 70 | 32609 | 861 | 36624 | 876 | 63376 | 95985 | 30 |
| 80 | 34194 | 860 | 38212 | 878 | 61788 | 95982 | 20 |
| 90 | 35779 | 859 | 39800 | 880 | 60200 | 95979 | 10 |
| **74 oo** | 8.63 37363 | 8.1959 858 | 8.63 41387 | 8.1963 882 | 1.36 58613 | 9.99 95976 | **26 oo** |
| 10 | 38947 | 857 | 42974 | 884 | 57026 | 95973 | 90 |
| 20 | 40530 | 856 | 44560 | 886 | 55440 | 95970 | 80 |
| 30 | 42113 | 855 | 46146 | 887 | 53854 | 95967 | 70 |
| 40 | 43695 | 854 | 47731 | 889 | 52269 | 95965 | 60 |
| 50 | 45276 | 853 | 49315 | 891 | 50685 | 95962 | 50 |
| 60 | 46857 | 852 | 50899 | 893 | 49101 | 95959 | 40 |
| 70 | 48438 | 851 | 52482 | 895 | 47518 | 95956 | 30 |
| 80 | 50017 | 850 | 54065 | 897 | 45935 | 95953 | 20 |
| 90 | 51596 | 849 | 55647 | 899 | 44353 | 95950 | 10 |
| **75 oo** | 8.63 53175 | 8.1959 848 | 8.63 57228 | 8.1963 901 | 1.36 42772 | 9.99 95947 | **25 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 1579 | 1 | 1581 | 2 | 1581 | 3 | $97^g$ |

| | 1611 | 1609 | 1607 | 1605 | 1603 | 1601 | 1599 | 1597 | 1595 | 1593 | 1591 | 1589 | 1587 | 1585 | 1583 | 1581 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 161,1 | 160,9 | 160,7 | 160,5 | 160,3 | 160,1 | 159,9 | 159,7 | 159,5 | 159,3 | 159,1 | 158,9 | 158,7 | 158,5 | 158,3 | 158,1 | 1 |
| 2 | 322,2 | 321,8 | 321,4 | 321,0 | 320,6 | 320,2 | 319,8 | 319,4 | 319,0 | 318,6 | 318,2 | 317,8 | 317,4 | 317,0 | 316,6 | 316,2 | 2 |
| 3 | 483,3 | 482,7 | 482,1 | 481,5 | 480,9 | 480,3 | 479,7 | 479,1 | 478,5 | 477,9 | 477,3 | 476,7 | 476,1 | 475,5 | 474,9 | 474,3 | 3 |
| 4 | 644,4 | 643,6 | 642,8 | 642,0 | 641,2 | 640,4 | 639,6 | 638,8 | 638,0 | 637,2 | 636,4 | 635,6 | 634,8 | 634,0 | 633,2 | 632,4 | 4 |
| 5 | 805,5 | 804,5 | 803,5 | 802,5 | 801,5 | 800,5 | 799,5 | 798,5 | 797,5 | 796,5 | 795,5 | 794,5 | 793,5 | 792,5 | 791,5 | 790,5 | 5 |
| 6 | 966,6 | 965,4 | 964,2 | 963,0 | 961,8 | 960,6 | 959,4 | 958,2 | 957,0 | 955,8 | 954,6 | 953,4 | 952,2 | 951,0 | 949,8 | 948,6 | 6 |
| 7 | 1127,7 | 1126,3 | 1124,9 | 1123,5 | 1122,1 | 1120,7 | 1119,3 | 1117,9 | 1116,5 | 1115,1 | 1113,7 | 1112,3 | 1110,9 | 1109,5 | 1108,1 | 1106,7 | 7 |
| 8 | 1288,8 | 1287,2 | 1285,6 | 1284,0 | 1282,4 | 1280,8 | 1279,2 | 1277,6 | 1276,0 | 1274,4 | 1272,8 | 1271,2 | 1269,6 | 1268,0 | 1266,4 | 1264,8 | 8 |
| 9 | 1449,9 | 1448,1 | 1446,3 | 1444,5 | 1442,7 | 1440,9 | 1439,1 | 1437,3 | 1435,5 | 1433,7 | 1431,9 | 1430,1 | 1428,3 | 1426,5 | 1424,7 | 1422,9 | 9 |

| $2^g$ c cc | 1578 log sin | 1 S | 1581 log tg | 1 T | 1581 log ctg | 2 log cos | |
|---|---|---|---|---|---|---|---|
| **75 oo** | 8.63 53175 | 8.1959 848 | 8.63 57228 | 8.1963 901 | 1.36 42772 | 9.99 95947 | **25 oo** |
| 10 | 54753 | 847 | 58809 | 903 | 41191 | 95944 | 90 |
| 20 | 56330 | 846 | 60389 | 905 | 39611 | 95941 | 80 |
| 30 | 57907 | 845 | 61969 | 907 | 38031 | 95938 | 70 |
| 40 | 59483 | 844 | 63548 | 909 | 36452 | 95935 | 60 |
| 50 | 61059 | 843 | 65127 | 911 | 34873 | 95932 | 50 |
| 60 | 62634 | 842 | 66705 | 913 | 33295 | 95929 | 40 |
| 70 | 64209 | 841 | 68283 | 915 | 31717 | 95926 | 30 |
| 80 | 65783 | 840 | 69860 | 917 | 30140 | 95923 | 20 |
| 90 | 67356 | 839 | 71436 | 919 | 28564 | 95920 | 10 |
| **76 oo** | 8.63 68929 | 8.1959 838 | 8.63 73012 | 8.1963 921 | 1.36 26988 | 9.99 95917 | **24 oo** |
| 10 | 70501 | 837 | 74587 | 923 | 25413 | 95914 | 90 |
| 20 | 72073 | 836 | 76162 | 925 | 23838 | 95911 | 80 |
| 30 | 73644 | 835 | 77736 | 927 | 22264 | 95908 | 70 |
| 40 | 75215 | 834 | 79309 | 929 | 20691 | 95905 | 60 |
| 50 | 76785 | 833 | 80882 | 931 | 19118 | 95902 | 50 |
| 60 | 78354 | 832 | 82455 | 933 | 17545 | 95900 | 40 |
| 70 | 79923 | 831 | 84026 | 935 | 15974 | 95897 | 30 |
| 80 | 81491 | 830 | 85598 | 937 | 14402 | 95894 | 20 |
| 90 | 83059 | 829 | 87168 | 939 | 12832 | 95891 | 10 |
| **77 oo** | 8.63 84626 | 8.1959 828 | 8.63 88738 | 8.1963 941 | 1.36 11262 | 9.99 95888 | **23 oo** |
| 10 | 86193 | 827 | 90308 | 943 | 09692 | 95885 | 90 |
| 20 | 87759 | 826 | 91877 | 945 | 08123 | 95882 | 80 |
| 30 | 89324 | 825 | 93445 | 947 | 06555 | 95879 | 70 |
| 40 | 90889 | 824 | 95013 | 949 | 04987 | 95876 | 60 |
| 50 | 92453 | 823 | 96580 | 951 | 03420 | 95873 | 50 |
| 60 | 94017 | 822 | 98147 | 953 | 01853 | 95870 | 40 |
| 70 | 95580 | 821 | 8.63 99713 | 955 | 1.36 00287 | 95867 | 30 |
| 80 | 97143 | 820 | 8.64 01279 | 957 | 1.35 98721 | 95864 | 20 |
| 90 | 8.63 98705 | 819 | 02844 | 959 | 97156 | 95861 | 10 |
| **78 oo** | 8.64 00266 | 8.1959 818 | 8.64 04408 | 8.1963 961 | 1.35 95592 | 9.99 95858 | **22 oo** |
| 10 | 01827 | 817 | 05972 | 963 | 94028 | 95855 | 90 |
| 20 | 03388 | 816 | 07536 | 965 | 92464 | 95852 | 80 |
| 30 | 04948 | 815 | 09099 | 966 | 90901 | 95849 | 70 |
| 40 | 06507 | 814 | 10661 | 968 | 89339 | 95846 | 60 |
| 50 | 08065 | 813 | 12222 | 970 | 87778 | 95843 | 50 |
| 60 | 09624 | 812 | 13784 | 972 | 86216 | 95840 | 40 |
| 70 | 11181 | 811 | 15344 | 974 | 84656 | 95837 | 30 |
| 80 | 12738 | 810 | 16904 | 976 | 83096 | 95834 | 20 |
| 90 | 14295 | 809 | 18464 | 978 | 81536 | 95831 | 10 |
| **79 oo** | 8.64 15851 | 8.1959 808 | 8.64 20022 | 8.1963 980 | 1.35 79978 | 9.99 95828 | **21 oo** |
| 10 | 17406 | 807 | 21581 | 982 | 78419 | 95825 | 90 |
| 20 | 18961 | 806 | 23139 | 984 | 76861 | 95822 | 80 |
| 30 | 20515 | 805 | 24696 | 986 | 75304 | 95819 | 70 |
| 40 | 22068 | 804 | 26252 | 988 | 73748 | 95816 | 60 |
| 50 | 23622 | 803 | 27809 | 990 | 72191 | 95813 | 50 |
| 60 | 25174 | 802 | 29364 | 992 | 70636 | 95810 | 40 |
| 70 | 26726 | 801 | 30919 | 994 | 69081 | 95807 | 30 |
| 80 | 28278 | 800 | 32474 | 996 | 67526 | 95804 | 20 |
| 90 | 29828 | 799 | 34027 | 8.1963 998 | 65973 | 95801 | 10 |
| **80 oo** | 8.64 31379 | 8.1959 798 | 8.64 35581 | 8.1964 000 | 1.35 64419 | 9.99 95798 | **20 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $97^g$ |
| | 1550 | 1 | 1553 | 2 | 1553 | 3 | |

| | 1580 | 1578 | 1576 | 1574 | 1572 | 1570 | 1568 | 1566 | 1564 | 1562 | 1560 | 1558 | 1556 | 1554 | 1552 | 1550 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 158,0 | 157,8 | 157,6 | 157,4 | 157,2 | 157,0 | 156,8 | 156,6 | 156,4 | 156,2 | 156,0 | 155,8 | 155,6 | 155,4 | 155,2 | 155,0 | 1 |
| 2 | 316,0 | 315,6 | 315,2 | 314,8 | 314,4 | 314,0 | 313,6 | 313,2 | 312,8 | 312,4 | 312,0 | 311,6 | 311,2 | 310,8 | 310,4 | 310,0 | 2 |
| 3 | 474,0 | 473,4 | 472,8 | 472,2 | 471,6 | 471,0 | 470,4 | 469,8 | 469,2 | 468,6 | 468,0 | 467,4 | 466,8 | 466,2 | 465,6 | 465,0 | 3 |
| 4 | 632,0 | 631,2 | 630,4 | 629,6 | 628,8 | 628,0 | 627,2 | 626,4 | 625,6 | 624,8 | 624,0 | 623,2 | 622,4 | 621,6 | 620,8 | 620,0 | 4 |
| 5 | 790,0 | 789,0 | 788,0 | 787,0 | 786,0 | 785,0 | 784,0 | 783,0 | 782,0 | 781,0 | 780,0 | 779,0 | 778,0 | 777,0 | 776,0 | 775,0 | 5 |
| 6 | 948,0 | 946,8 | 945,6 | 944,4 | 943,2 | 942,0 | 940,8 | 939,6 | 938,4 | 937,2 | 936,0 | 934,8 | 933,6 | 932,4 | 931,2 | 930,0 | 6 |
| 7 | 1106,0 | 1104,6 | 1103,2 | 1101,8 | 1100,4 | 1099,0 | 1097,6 | 1096,2 | 1094,8 | 1093,4 | 1092,0 | 1090,6 | 1089,2 | 1087,8 | 1086,4 | 1085,0 | 7 |
| 8 | 1264,0 | 1262,4 | 1260,8 | 1259,2 | 1257,6 | 1256,0 | 1254,4 | 1252,8 | 1251,2 | 1249,6 | 1248,0 | 1246,4 | 1244,8 | 1243,2 | 1241,6 | 1240,0 | 8 |
| 9 | 1422,0 | 1420,2 | 1418,4 | 1416,6 | 1414,8 | 1413,0 | 1411,2 | 1409,4 | 1407,6 | 1405,8 | 1404,0 | 1402,2 | 1400,4 | 1398,6 | 1396,8 | 1395,0 | 9 |

| $2^g$ c cc | 1550 | 1 | 1553 | 2 | 1553 | 3 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **80 oo** | 8.64 31379 | 8.1959 798 | 8.64 35581 | 8.1964 000 | 1.35 64419 | 9.99 95798 | **20 oo** |
| 10 | 32929 | 797 | 37134 | 002 | 62866 | 95795 | 90 |
| 20 | 34478 | 796 | 38686 | 004 | 61314 | 95792 | 80 |
| 30 | 36026 | 795 | 40237 | 006 | 59763 | 95789 | 70 |
| 40 | 37575 | 794 | 41789 | 008 | 58211 | 95786 | 60 |
| 50 | 39122 | 793 | 43339 | 010 | 56661 | 95783 | 50 |
| 60 | 40669 | 792 | 44889 | 012 | 55111 | 95780 | 40 |
| 70 | 42216 | 791 | 46439 | 014 | 53561 | 95777 | 30 |
| 80 | 43762 | 790 | 47988 | 016 | 52012 | 95774 | 20 |
| 90 | 45307 | 789 | 49536 | 018 | 50464 | 95771 | 10 |
| **81 oo** | 8.64 46852 | 8.1959 788 | 8.64 51084 | 8.1964 020 | 1.35 48916 | 9.99 95768 | **19 oo** |
| 10 | 48396 | 787 | 52631 | 022 | 47369 | 95765 | 90 |
| 20 | 49940 | 786 | 54178 | 025 | 45822 | 95762 | 80 |
| 30 | 51483 | 785 | 55724 | 027 | 44276 | 95759 | 70 |
| 40 | 53025 | 784 | 57269 | 029 | 42731 | 95756 | 60 |
| 50 | 54567 | 783 | 58815 | 031 | 41185 | 95753 | 50 |
| 60 | 56109 | 782 | 60359 | 033 | 39641 | 95750 | 40 |
| 70 | 57650 | 781 | 61903 | 035 | 38097 | 95747 | 30 |
| 80 | 59190 | 780 | 63446 | 037 | 36554 | 95744 | 20 |
| 90 | 60730 | 779 | 64989 | 039 | 35011 | 95741 | 10 |
| **82 oo** | 8.64 62269 | 8.1959 778 | 8.64 66532 | 8.1964 041 | 1.35 33468 | 9.99 95738 | **18 oo** |
| 10 | 63808 | 777 | 68073 | 043 | 31927 | 95735 | 90 |
| 20 | 65346 | 776 | 69615 | 045 | 30385 | 95732 | 80 |
| 30 | 66884 | 775 | 71155 | 047 | 28845 | 95729 | 70 |
| 40 | 68421 | 774 | 72696 | 049 | 27304 | 95726 | 60 |
| 50 | 69958 | 773 | 74235 | 051 | 25765 | 95723 | 50 |
| 60 | 71494 | 772 | 75774 | 053 | 24226 | 95720 | 40 |
| 70 | 73029 | 771 | 77313 | 055 | 22687 | 95717 | 30 |
| 80 | 74564 | 770 | 78851 | 057 | 21149 | 95714 | 20 |
| 90 | 76099 | 769 | 80388 | 059 | 19612 | 95711 | 10 |
| **83 oo** | 8.64 77633 | 8.1959 768 | 8.64 81925 | 8.1964 061 | 1.35 18075 | 9.99 95708 | **17 oo** |
| 10 | 79166 | 767 | 83462 | 063 | 16538 | 95704 | 90 |
| 20 | 80699 | 766 | 84997 | 065 | 15003 | 95701 | 80 |
| 30 | 82231 | 765 | 86533 | 067 | 13467 | 95698 | 70 |
| 40 | 83763 | 764 | 88067 | 069 | 11933 | 95695 | 60 |
| 50 | 85294 | 763 | 89602 | 071 | 10398 | 95692 | 50 |
| 60 | 86825 | 762 | 91135 | 073 | 08865 | 95689 | 40 |
| 70 | 88355 | 761 | 92668 | 075 | 07332 | 95686 | 30 |
| 80 | 89884 | 760 | 94201 | 077 | 05799 | 95683 | 20 |
| 90 | 91413 | 759 | 95733 | 079 | 04267 | 95680 | 10 |
| **84 oo** | 8.64 92942 | 8.1959 758 | 8.64 97264 | 8.1964 081 | 1.35 02736 | 9.99 95677 | **16 oo** |
| 10 | 94470 | 757 | 8.64 98795 | 083 | 1.35 01205 | 95674 | 90 |
| 20 | 95997 | 756 | 8.65 00326 | 085 | 1.34 99674 | 95671 | 80 |
| 30 | 97524 | 755 | 01856 | 087 | 98144 | 95668 | 70 |
| 40 | 8.64 99050 | 754 | 03385 | 089 | 96615 | 95665 | 60 |
| 50 | 8.65 00576 | 753 | 04914 | 091 | 95086 | 95662 | 50 |
| 60 | 02101 | 752 | 06442 | 093 | 93558 | 95659 | 40 |
| 70 | 03626 | 751 | 07970 | 095 | 92030 | 95656 | 30 |
| 80 | 05150 | 750 | 09497 | 097 | 90503 | 95653 | 20 |
| 90 | 06674 | 749 | 11024 | 099 | 88976 | 95650 | 10 |
| **85 oo** | 8.65 08197 | 8.1959 748 | 8.65 12550 | 8.1964 101 | 1.34 87450 | 9.99 95647 | **15 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 1523 | 1 | 1526 | 3 | 1526 | 4 | $97^g$ |

| | 1553 | 1551 | 1549 | 1548 | 1546 | 1544 | 1542 | 1540 | 1539 | 1537 | 1535 | 1533 | 1531 | 1530 | 1528 | 1526 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 155,3 | 155,1 | 154,9 | 154,8 | 154,6 | 154,4 | 154,2 | 154,0 | 153,9 | 153,7 | 153,5 | 153,3 | 153,1 | 153,0 | 152,8 | 152,6 | 1 |
| 2 | 310,6 | 310,2 | 309,8 | 309,6 | 309,2 | 308,8 | 308,4 | 308,0 | 307,8 | 307,4 | 307,0 | 306,6 | 306,2 | 306,0 | 305,6 | 305,2 | 2 |
| 3 | 465,9 | 465,3 | 464,7 | 464,4 | 463,8 | 463,2 | 462,6 | 462,0 | 461,7 | 461,1 | 460,5 | 459,9 | 459,3 | 459,0 | 458,4 | 457,8 | 3 |
| 4 | 621,2 | 620,4 | 619,6 | 619,2 | 618,4 | 617,6 | 616,8 | 616,0 | 615,6 | 614,8 | 614,0 | 613,2 | 612,4 | 612,0 | 611,2 | 610,4 | 4 |
| 5 | 776,5 | 775,5 | 774,5 | 774,0 | 773,0 | 772,0 | 771,0 | 770,0 | 769,5 | 768,5 | 767,5 | 766,5 | 765,5 | 765,0 | 764,0 | 763,0 | 5 |
| 6 | 931,8 | 930,6 | 929,4 | 928,8 | 927,6 | 926,4 | 925,2 | 924,0 | 923,4 | 922,2 | 921,0 | 919,8 | 918,6 | 918,0 | 916,8 | 915,6 | 6 |
| 7 | 1087,1 | 1085,7 | 1084,3 | 1083,6 | 1082,2 | 1080,8 | 1079,4 | 1078,0 | 1077,3 | 1075,9 | 1074,5 | 1073,1 | 1071,7 | 1071,0 | 1069,6 | 1068,2 | 7 |
| 8 | 1242,4 | 1240,8 | 1239,2 | 1238,4 | 1236,8 | 1235,2 | 1233,6 | 1232,0 | 1231,2 | 1229,6 | 1228,0 | 1226,4 | 1224,8 | 1224,0 | 1222,4 | 1220,8 | 8 |
| 9 | 1397,7 | 1395,9 | 1394,1 | 1393,2 | 1391,4 | 1389,6 | 1387,8 | 1386,0 | 1385,1 | 1383,3 | 1381,5 | 1379,7 | 1377,9 | 1377,0 | 1375,2 | 1373,4 | 9 |

| $2^g$ c cc | 1522 | 1 | 1526 | 2 | 1526 | 3 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **85 oo** | 8.65 08197 | 8.1959 748 | 8.65 12550 | 8.1964 101 | 1.34 87450 | 9.99 95647 | **15 oo** |
| 10 | 09719 | 747 | 14076 | 103 | 85924 | 95644 | 90 |
| 20 | 11241 | 746 | 15601 | 106 | 84399 | 95640 | 80 |
| 30 | 12763 | 745 | 17125 | 108 | 82875 | 95637 | 70 |
| 40 | 14284 | 744 | 18649 | 110 | 81351 | 95634 | 60 |
| 50 | 15804 | 743 | 20173 | 112 | 79827 | 95631 | 50 |
| 60 | 17324 | 742 | 21696 | 114 | 78304 | 95628 | 40 |
| 70 | 18843 | 741 | 23218 | 116 | 76782 | 95625 | 30 |
| 80 | 20362 | 740 | 24740 | 118 | 75260 | 95622 | 20 |
| 90 | 21880 | 739 | 26261 | 120 | 73739 | 95619 | 10 |
| **86 oo** | 8.65 23398 | 8.1959 738 | 8.65 27782 | 8.1964 122 | 1.34 72218 | 9.99 95616 | **14 oo** |
| 10 | 24915 | 737 | 29302 | 124 | 70698 | 95613 | 90 |
| 20 | 26432 | 736 | 30822 | 126 | 69178 | 95610 | 80 |
| 30 | 27948 | 735 | 32341 | 128 | 67659 | 95607 | 70 |
| 40 | 29464 | 734 | 33860 | 130 | 66140 | 95604 | 60 |
| 50 | 30979 | 733 | 35378 | 132 | 64622 | 95601 | 50 |
| 60 | 32494 | 732 | 36896 | 134 | 63104 | 95598 | 40 |
| 70 | 34008 | 731 | 38413 | 136 | 61587 | 95594 | 30 |
| 80 | 35521 | 730 | 39930 | 138 | 60070 | 95591 | 20 |
| 90 | 37034 | 729 | 41446 | 140 | 58554 | 95588 | 10 |
| **87 oo** | 8.65 38547 | 8.1959 728 | 8.65 42961 | 8.1964 142 | 1.34 57039 | 9.99 95585 | **13 oo** |
| 10 | 40058 | 727 | 44476 | 144 | 55524 | 95582 | 90 |
| 20 | 41570 | 726 | 45991 | 146 | 54009 | 95579 | 80 |
| 30 | 43081 | 725 | 47505 | 148 | 52495 | 95576 | 70 |
| 40 | 44591 | 723 | 49018 | 151 | 50982 | 95573 | 60 |
| 50 | 46101 | 722 | 50531 | 153 | 49469 | 95570 | 50 |
| 60 | 47610 | 721 | 52043 | 155 | 47957 | 95567 | 40 |
| 70 | 49119 | 720 | 53555 | 157 | 46445 | 95564 | 30 |
| 80 | 50627 | 719 | 55067 | 159 | 44933 | 95561 | 20 |
| 90 | 52135 | 718 | 56577 | 161 | 43423 | 95558 | 10 |
| **88 oo** | 8.65 53642 | 8.1959 717 | 8.65 58088 | 8.1964 163 | 1.34 41912 | 9.99 95554 | **12 oo** |
| 10 | 55149 | 716 | 59598 | 165 | 40402 | 95551 | 90 |
| 20 | 56655 | 715 | 61107 | 167 | 38893 | 95548 | 80 |
| 30 | 58161 | 714 | 62615 | 169 | 37385 | 95545 | 70 |
| 40 | 59666 | 713 | 64124 | 171 | 35876 | 95542 | 60 |
| 50 | 61170 | 712 | 65631 | 173 | 34369 | 95539 | 50 |
| 60 | 62674 | 711 | 67139 | 175 | 32861 | 95536 | 40 |
| 70 | 64178 | 710 | 68645 | 177 | 31355 | 95533 | 30 |
| 80 | 65681 | 709 | 70151 | 179 | 29849 | 95530 | 20 |
| 90 | 67183 | 708 | 71657 | 181 | 28343 | 95527 | 10 |
| **89 oo** | 8.65 68685 | 8.1959 707 | 8.65 73162 | 8.1964 184 | 1.34 26838 | 9.99 95523 | **11 oo** |
| 10 | 70187 | 706 | 74667 | 186 | 25333 | 95520 | 90 |
| 20 | 71688 | 705 | 76171 | 188 | 23829 | 95517 | 80 |
| 30 | 73188 | 704 | 77674 | 190 | 22326 | 95514 | 70 |
| 40 | 74688 | 703 | 79177 | 192 | 20823 | 95511 | 60 |
| 50 | 76188 | 702 | 80680 | 194 | 19320 | 95508 | 50 |
| 60 | 77686 | 701 | 82182 | 196 | 17818 | 95505 | 40 |
| 70 | 79185 | 700 | 83683 | 198 | 16317 | 95502 | 30 |
| 80 | 80683 | 699 | 85184 | 200 | 14816 | 95499 | 20 |
| 90 | 82180 | 698 | 86684 | 202 | 13316 | 95496 | 10 |
| **90 oo** | 8.65 83677 | 8.1959 697 | 8.65 88184 | 8.1964 204 | 1.34 11816 | 9.99 95492 | **10 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $97^g$ |
| | 1497 | 2 | 1500 | 3 | 1500 | 4 | |

| | 1524 | 1522 | 1520 | 1519 | 1517 | 1515 | 1513 | 1511 | 1510 | 1508 | 1506 | 1504 | 1502 | 1501 | 1499 | 1497 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 152,4 | 152,2 | 152,0 | 151,9 | 151,7 | 151,5 | 151,3 | 151,1 | 151,0 | 150,8 | 150,6 | 150,4 | 150,2 | 150,1 | 149,9 | 149,7 | 1 |
| 2 | 304,8 | 304,4 | 304,0 | 303,8 | 303,4 | 303,0 | 302,6 | 302,2 | 302,0 | 301,6 | 301,2 | 300,8 | 300,4 | 300,2 | 299,8 | 299,4 | 2 |
| 3 | 457,2 | 456,6 | 456,0 | 455,7 | 455,1 | 454,5 | 453,9 | 453,3 | 453,0 | 452,4 | 451,8 | 451,2 | 450,6 | 450,3 | 449,7 | 449,1 | 3 |
| 4 | 609,6 | 608,8 | 608,0 | 607,6 | 606,8 | 606,0 | 605,2 | 604,4 | 604,0 | 603,2 | 602,4 | 601,6 | 600,8 | 600,4 | 599,6 | 598,8 | 4 |
| 5 | 762,0 | 761,0 | 760,0 | 759,5 | 758,5 | 757,5 | 756,5 | 755,5 | 755,0 | 754,0 | 753,0 | 752,0 | 751,0 | 750,5 | 749,5 | 748,5 | 5 |
| 6 | 914,4 | 913,2 | 912,0 | 911,4 | 910,2 | 909,0 | 907,8 | 906,6 | 906,0 | 904,8 | 903,6 | 902,4 | 901,2 | 900,6 | 899,4 | 898,2 | 6 |
| 7 | 1066,8 | 1065,4 | 1064,0 | 1063,3 | 1061,9 | 1060,5 | 1059,1 | 1057,7 | 1057,0 | 1055,6 | 1054,2 | 1052,8 | 1051,4 | 1050,7 | 1049,3 | 1047,9 | 7 |
| 8 | 1219,2 | 1217,6 | 1216,0 | 1215,2 | 1213,6 | 1212,0 | 1210,4 | 1208,8 | 1208,0 | 1206,4 | 1204,8 | 1203,2 | 1201,6 | 1200,8 | 1199,2 | 1197,6 | 8 |
| 9 | 1371,6 | 1369,8 | 1368,0 | 1367,1 | 1365,3 | 1363,5 | 1361,7 | 1359,9 | 1359,0 | 1357,2 | 1355,4 | 1353,6 | 1351,8 | 1350,9 | 1349,1 | 1347,3 | 9 |

| $2^g$ c cc | 1496 | 1 | 1500 | 2 | 1500 | 3 | |
|---|---|---|---|---|---|---|---|
| | log sin | S | log tg | T | log ctg | log cos | |
| **90 oo** | 8.65 83677 | 8.1959 697 | 8.65 88184 | 8.1964 204 | 1.34 11816 | 9.99 95492 | **10 oo** |
| 10 | 85173 | 696 | 89684 | 206 | 10316 | 95489 | 90 |
| 20 | 86669 | 695 | 91182 | 208 | 08818 | 95486 | 80 |
| 30 | 88164 | 694 | 92681 | 210 | 07319 | 95483 | 70 |
| 40 | 89659 | 693 | 94179 | 213 | 05821 | 95480 | 60 |
| 50 | 91153 | 691 | 95676 | 215 | 04324 | 95477 | 50 |
| 60 | 92647 | 690 | 97173 | 217 | 02827 | 95474 | 40 |
| 70 | 94140 | 689 | 8.65 98669 | 219 | 1.34 01331 | 95471 | 30 |
| 80 | 95632 | 688 | 8.66 00165 | 221 | 1.33 99835 | 95468 | 20 |
| 90 | 97125 | 687 | 01660 | 223 | 98340 | 95464 | 10 |
| **91 oo** | 8.65 98616 | 8.1959 686 | 8.66 03155 | 8.1964 225 | 1.33 96845 | 9.99 95461 | **09 oo** |
| 10 | 8.66 00107 | 685 | 04649 | 227 | 95351 | 95458 | 90 |
| 20 | 01598 | 684 | 06143 | 229 | 93857 | 95455 | 80 |
| 30 | 03088 | 683 | 07636 | 231 | 92364 | 95452 | 70 |
| 40 | 04578 | 682 | 09129 | 233 | 90871 | 95449 | 60 |
| 50 | 06067 | 681 | 10621 | 235 | 89379 | 95446 | 50 |
| 60 | 07555 | 680 | 12113 | 237 | 87887 | 95443 | 40 |
| 70 | 09043 | 679 | 13604 | 240 | 86396 | 95439 | 30 |
| 80 | 10531 | 678 | 15095 | 242 | 84905 | 95436 | 20 |
| 90 | 12018 | 677 | 16585 | 244 | 83415 | 95433 | 10 |
| **92 oo** | 8.66 13504 | 8.1959 676 | 8.66 18074 | 8.1964 246 | 1.33 81926 | 9.99 95430 | **08 oo** |
| 10 | 14990 | 675 | 19563 | 248 | 80437 | 95427 | 90 |
| 20 | 16476 | 674 | 21052 | 250 | 78948 | 95424 | 80 |
| 30 | 17961 | 673 | 22540 | 252 | 77460 | 95421 | 70 |
| 40 | 19445 | 672 | 24028 | 254 | 75972 | 95418 | 60 |
| 50 | 20929 | 671 | 25515 | 256 | 74485 | 95414 | 50 |
| 60 | 22413 | 670 | 27002 | 258 | 72998 | 95411 | 40 |
| 70 | 23896 | 669 | 28488 | 260 | 71512 | 95408 | 30 |
| 80 | 25378 | 668 | 29973 | 263 | 70027 | 95405 | 20 |
| 90 | 26860 | 666 | 31458 | 265 | 68542 | 95402 | 10 |
| **93 oo** | 8.66 28342 | 8.1959 665 | 8.66 32943 | 8.1964 267 | 1.33 67057 | 9.99 95399 | **07 oo** |
| 10 | 29823 | 664 | 34427 | 269 | 65573 | 95396 | 90 |
| 20 | 31303 | 663 | 35911 | 271 | 64089 | 95392 | 80 |
| 30 | 32783 | 662 | 37394 | 273 | 62606 | 95389 | 70 |
| 40 | 34262 | 661 | 38876 | 275 | 61124 | 95386 | 60 |
| 50 | 35741 | 660 | 40358 | 277 | 59642 | 95383 | 50 |
| 60 | 37220 | 659 | 41840 | 279 | 58160 | 95380 | 40 |
| 70 | 38698 | 658 | 43321 | 281 | 56679 | 95377 | 30 |
| 80 | 40175 | 657 | 44801 | 284 | 55199 | 95374 | 20 |
| 90 | 41652 | 656 | 46281 | 286 | 53719 | 95370 | 10 |
| **94 oo** | 8.66 43128 | 8.1959 655 | 8.66 47761 | 8.1964 288 | 1.33 52239 | 9.99 95367 | **06 oo** |
| 10 | 44604 | 654 | 49240 | 290 | 50760 | 95364 | 90 |
| 20 | 46080 | 653 | 50719 | 292 | 49281 | 95361 | 80 |
| 30 | 47554 | 652 | 52197 | 294 | 47803 | 95358 | 70 |
| 40 | 49029 | 651 | 53674 | 296 | 46326 | 95355 | 60 |
| 50 | 50503 | 650 | 55151 | 298 | 44849 | 95351 | 50 |
| 60 | 51976 | 649 | 56628 | 300 | 43372 | 95348 | 40 |
| 70 | 53449 | 648 | 58104 | 302 | 41896 | 95345 | 30 |
| 80 | 54921 | 647 | 59579 | 305 | 40421 | 95342 | 20 |
| 90 | 56393 | 645 | 61054 | 307 | 38946 | 95339 | 10 |
| **95 oo** | 8.66 57865 | 8.1959 644 | 8.66 62529 | 8.1964 309 | 1.33 37471 | 9.99 95336 | **05 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc $97^g$ |
| | 1472 | 2 | 1475 | 3 | 1475 | 4 | |

| | 1500 | 1498 | 1497 | 1495 | 1493 | 1491 | 1490 | 1488 | 1486 | 1485 | 1483 | 1481 | 1479 | 1478 | 1476 | 1474 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 150,0 | 149,8 | 149,7 | 149,5 | 149,3 | 149,1 | 149,0 | 148,8 | 148,6 | 148,5 | 148,3 | 148,1 | 147,9 | 147,8 | 147,6 | 147,4 | 1 |
| 2 | 300,0 | 299,6 | 299,4 | 299,0 | 298,6 | 298,2 | 298,0 | 297,6 | 297,2 | 297,0 | 296,6 | 296,2 | 295,8 | 295,6 | 295,2 | 294,8 | 2 |
| 3 | 450,0 | 449,4 | 449,1 | 448,5 | 447,9 | 447,3 | 447,0 | 446,4 | 445,8 | 445,5 | 444,9 | 444,3 | 443,7 | 443,4 | 442,8 | 442,2 | 3 |
| 4 | 600,0 | 599,2 | 598,8 | 598,0 | 597,2 | 596,4 | 596,0 | 595,2 | 594,4 | 594,0 | 593,2 | 592,4 | 591,6 | 591,2 | 590,4 | 589,6 | 4 |
| 5 | 750,0 | 749,0 | 748,5 | 747,5 | 746,5 | 745,5 | 745,0 | 744,0 | 743,0 | 742,5 | 741,5 | 740,5 | 739,5 | 739,0 | 738,0 | 737,0 | 5 |
| 6 | 900,0 | 898,8 | 898,2 | 897,0 | 895,8 | 894,6 | 894,0 | 892,8 | 891,6 | 891,0 | 889,8 | 888,6 | 887,4 | 886,8 | 885,6 | 884,4 | 6 |
| 7 | 1050,0 | 1048,6 | 1047,9 | 1046,5 | 1045,1 | 1043,7 | 1043,0 | 1041,6 | 1040,2 | 1039,5 | 1038,1 | 1036,7 | 1035,3 | 1034,6 | 1033,2 | 1031,8 | 7 |
| 8 | 1200,0 | 1198,4 | 1197,6 | 1196,0 | 1194,4 | 1192,8 | 1192,0 | 1190,4 | 1188,8 | 1188,0 | 1186,4 | 1184,8 | 1183,2 | 1182,4 | 1180,8 | 1179,2 | 8 |
| 9 | 1350,0 | 1348,2 | 1347,3 | 1345,5 | 1343,7 | 1341,9 | 1341,0 | 1339,2 | 1337,4 | 1336,5 | 1334,7 | 1332,9 | 1331,1 | 1330,2 | 1328,4 | 1326,6 | 9 |

| $2^g$ c cc | 1471 log sin | 1 S | 1474 log tg | 2 T | 1474 log ctg | 3 log cos | |
|---|---|---|---|---|---|---|---|
| **95 oo** | 8.66 57865 | 8.1959 644 | 8.66 62529 | 8.1964 309 | 1.33 37471 | 9.99 95336 | **05 oo** |
| 10 | 59335 | 643 | 64003 | 311 | 35997 | 95332 | 90 |
| 20 | 60806 | 642 | 65477 | 313 | 34523 | 95329 | 80 |
| 30 | 62276 | 641 | 66950 | 315 | 33050 | 95326 | 70 |
| 40 | 63745 | 640 | 68422 | 317 | 31578 | 95323 | 60 |
| 50 | 65214 | 639 | 69894 | 319 | 30106 | 95320 | 50 |
| 60 | 66682 | 638 | 71366 | 321 | 28634 | 95317 | 40 |
| 70 | 68150 | 637 | 72837 | 324 | 27163 | 95313 | 30 |
| 80 | 69618 | 636 | 74307 | 326 | 25693 | 95310 | 20 |
| 90 | 71085 | 635 | 75777 | 328 | 24223 | 95307 | 10 |
| **96 oo** | 8.66 72551 | 8.1959 634 | 8.66 77247 | 8.1964 330 | 1.33 22753 | 9.99 95304 | **04 oo** |
| 10 | 74017 | 633 | 78716 | 332 | 21284 | 95301 | 90 |
| 20 | 75482 | 632 | 80185 | 334 | 19815 | 95298 | 80 |
| 30 | 76947 | 631 | 81653 | 336 | 18347 | 95294 | 70 |
| 40 | 78412 | 630 | 83120 | 338 | 16880 | 95291 | 60 |
| 50 | 79876 | 629 | 84588 | 341 | 15412 | 95288 | 50 |
| 60 | 81339 | 628 | 86054 | 343 | 13946 | 95285 | 40 |
| 70 | 82802 | 626 | 87520 | 345 | 12480 | 95282 | 30 |
| 80 | 84264 | 625 | 88986 | 347 | 11014 | 95279 | 20 |
| 90 | 85726 | 624 | 90451 | 349 | 09549 | 95275 | 10 |
| **97 oo** | 8.66 87188 | 8.1959 623 | 8.66 91916 | 8.1964 351 | 1.33 08084 | 9.99 95272 | **03 oo** |
| 10 | 88649 | 622 | 93380 | 353 | 06620 | 95269 | 90 |
| 20 | 90109 | 621 | 94843 | 355 | 05157 | 95266 | 80 |
| 30 | 91569 | 620 | 96307 | 358 | 03693 | 95263 | 70 |
| 40 | 93029 | 619 | 97769 | 360 | 02231 | 95259 | 60 |
| 50 | 94488 | 618 | 8.66 99231 | 362 | 1.33 00769 | 95256 | 50 |
| 60 | 95946 | 617 | 8.67 00693 | 364 | 1.32 99307 | 95253 | 40 |
| 70 | 97404 | 616 | 02154 | 366 | 97846 | 95250 | 30 |
| 80 | 8.66 98862 | 615 | 03615 | 368 | 96385 | 95247 | 20 |
| 90 | 8.67 00319 | 614 | 05075 | 370 | 94925 | 95243 | 10 |
| **98 oo** | 8.67 01775 | 8.1959 613 | 8.67 06535 | 8.1964 372 | 1.32 93465 | 9.99 95240 | **02 oo** |
| 10 | 03231 | 612 | 07994 | 375 | 92006 | 95237 | 90 |
| 20 | 04687 | 611 | 09453 | 377 | 90547 | 95234 | 80 |
| 30 | 06142 | 609 | 10911 | 379 | 89089 | 95231 | 70 |
| 40 | 07597 | 608 | 12369 | 381 | 87631 | 95227 | 60 |
| 50 | 09051 | 607 | 13826 | 383 | 86174 | 95224 | 50 |
| 60 | 10504 | 606 | 15283 | 385 | 84717 | 95221 | 40 |
| 70 | 11957 | 605 | 16740 | 387 | 83260 | 95218 | 30 |
| 80 | 13410 | 604 | 18195 | 389 | 81805 | 95215 | 20 |
| 90 | 14862 | 603 | 19651 | 392 | 80349 | 95211 | 10 |
| **99 oo** | 8.67 16314 | 8.1959 602 | 8.67 21106 | 8.1964 394 | 1.32 78894 | 9.99 95208 | **01 oo** |
| 10 | 17765 | 601 | 22560 | 396 | 77440 | 95205 | 90 |
| 20 | 19216 | 600 | 24014 | 398 | 75986 | 95202 | 80 |
| 30 | 20666 | 599 | 25467 | 400 | 74533 | 95199 | 70 |
| 40 | 22116 | 598 | 26920 | 402 | 73080 | 95195 | 60 |
| 50 | 23565 | 597 | 28373 | 404 | 71627 | 95192 | 50 |
| 60 | 25014 | 596 | 29825 | 407 | 70175 | 95189 | 40 |
| 70 | 26462 | 594 | 31276 | 409 | 68724 | 95186 | 30 |
| 80 | 27910 | 593 | 32727 | 411 | 67273 | 95183 | 20 |
| 90 | 29357 | 592 | 34178 | 413 | 65822 | 95179 | 10 |
| **100 oo** | 8.67 30804 | 8.1959 591 | 8.67 35628 | 8.1964 415 | 1.32 64372 | 9.99 95176 | **00 oo** |
| | log cos | | log ctg | | log tg | log sin | c cc |
| | 1447 | 2 | 1450 | 3 | 1450 | 4 | $97^g$ |

| | 1473 | 1471 | 1469 | 1468 | 1466 | 1464 | 1462 | 1461 | 1459 | 1457 | 1456 | 1454 | 1452 | 1450 | 1449 | 1447 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 147,3 | 147,1 | 146,9 | 146,8 | 146,6 | 146,4 | 146,2 | 146,1 | 145,9 | 145,7 | 145,6 | 145,4 | 145,2 | 145,0 | 144,9 | 144,7 | 1 |
| 2 | 294,6 | 294,2 | 293,8 | 293,6 | 293,2 | 292,8 | 292,4 | 292,2 | 291,8 | 291,4 | 291,2 | 290,8 | 290,4 | 290,0 | 289,8 | 289,4 | 2 |
| 3 | 441,9 | 441,3 | 440,7 | 440,4 | 439,8 | 439,2 | 438,6 | 438,3 | 437,7 | 437,1 | 436,8 | 436,2 | 435,6 | 435,0 | 434,7 | 434,1 | 3 |
| 4 | 589,2 | 588,4 | 587,6 | 587,2 | 586,4 | 585,6 | 584,8 | 584,4 | 583,6 | 582,8 | 582,4 | 581,6 | 580,8 | 580,0 | 579,6 | 578,8 | 4 |
| 5 | 736,5 | 735,5 | 734,5 | 734,0 | 733,0 | 732,0 | 731,0 | 730,5 | 729,5 | 728,5 | 728,0 | 727,0 | 726,0 | 725,0 | 724,5 | 723,5 | 5 |
| 6 | 883,8 | 882,6 | 881,4 | 880,8 | 879,6 | 878,4 | 877,2 | 876,6 | 875,4 | 874,2 | 873,6 | 872,4 | 871,2 | 870,0 | 869,4 | 868,2 | 6 |
| 7 | 1031,1 | 1029,7 | 1028,3 | 1027,6 | 1026,2 | 1024,8 | 1023,4 | 1022,7 | 1021,3 | 1019,9 | 1019,2 | 1017,8 | 1016,4 | 1015,0 | 1014,3 | 1012,9 | 7 |
| 8 | 1178,4 | 1176,8 | 1175,2 | 1174,4 | 1172,8 | 1171,2 | 1169,6 | 1168,8 | 1167,2 | 1165,6 | 1164,8 | 1163,2 | 1161,6 | 1160,0 | 1159,2 | 1157,6 | 8 |
| 9 | 1325,7 | 1323,9 | 1322,1 | 1321,2 | 1319,4 | 1317,6 | 1315,8 | 1314,9 | 1313,1 | 1311,3 | 1310,4 | 1308,6 | 1306,8 | 1305,0 | 1304,1 | 1302,3 | 9 |

| 3g | 1446 | 1449 | 1449 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.67** | **8.67** | **1.32** | **9.99** | |
| **00 oo** | 30804 | 35628 | 64372 | 95176 | **100 oo** |
| 10 | 32250 | 37077 | 62923 | 95173 | 90 |
| 20 | 33696 | 38526 | 61474 | 95170 | 80 |
| 30 | 35141 | 39975 | 60025 | 95166 | 70 |
| 40 | 36586 | 41423 | 58577 | 95163 | 60 |
| 50 | 38031 | 42871 | 57129 | 95160 | 50 |
| 60 | 39475 | 44318 | 55682 | 95157 | 40 |
| 70 | 40918 | 45764 | 54236 | 95154 | 30 |
| 80 | 42361 | 47211 | 52789 | 95150 | 20 |
| 90 | 43804 | 48656 | 51344 | 95147 | 10 |
| **01 oo** | 45246 | 50102 | 49898 | 95144 | **99 oo** |
| 10 | 46687 | 51546 | 48454 | 95141 | 90 |
| 20 | 48128 | 52991 | 47009 | 95137 | 80 |
| 30 | 49569 | 54434 | 45566 | 95134 | 70 |
| 40 | 51009 | 55878 | 44122 | 95131 | 60 |
| 50 | 52448 | 57321 | 42679 | 95128 | 50 |
| 60 | 53887 | 58763 | 41237 | 95124 | 40 |
| 70 | 55326 | 60205 | 39795 | 95121 | 30 |
| 80 | 56764 | 61646 | 38354 | 95118 | 20 |
| 90 | 58202 | 63087 | 36913 | 95115 | 10 |
| **02 oo** | 59639 | 64528 | 35472 | 95112 | **98 oo** |
| 10 | 61076 | 65968 | 34032 | 95108 | 90 |
| 20 | 62512 | 67407 | 32593 | 95105 | 80 |
| 30 | 63948 | 68846 | 31154 | 95102 | 70 |
| 40 | 65383 | 70285 | 29715 | 95099 | 60 |
| 50 | 66818 | 71723 | 28277 | 95095 | 50 |
| 60 | 68253 | 73160 | 26840 | 95092 | 40 |
| 70 | 69686 | 74598 | 25402 | 95089 | 30 |
| 80 | 71120 | 76034 | 23966 | 95086 | 20 |
| 90 | 72553 | 77470 | 22530 | 95082 | 10 |
| **03 oo** | 73985 | 78906 | 21094 | 95079 | **97 oo** |
| 10 | 75417 | 80341 | 19659 | 95076 | 90 |
| 20 | 76849 | 81776 | 18224 | 95073 | 80 |
| 30 | 78280 | 83210 | 16790 | 95069 | 70 |
| 40 | 79710 | 84644 | 15356 | 95066 | 60 |
| 50 | 81141 | 86078 | 13922 | 95063 | 50 |
| 60 | 82570 | 87511 | 12489 | 95060 | 40 |
| 70 | 83999 | 88943 | 11057 | 95056 | 30 |
| 80 | 85428 | 90375 | 09625 | 95053 | 20 |
| 90 | 86856 | 91806 | 08194 | 95050 | 10 |
| **04 oo** | 88284 | 93237 | 06763 | 95047 | **96 oo** |
| 10 | 89711 | 94668 | 05332 | 95043 | 90 |
| 20 | 91138 | 96098 | 03902 | 95040 | 80 |
| 30 | 92564 | 97528 | 02472 | 95037 | 70 |
| 40 | 93990 | 98957 | 01043 | 95034 | 60 |
| 50 | 95416 | *00385 | *99615 | 95030 | 50 |
| 60 | 96841 | *01814 | *98186 | 95027 | 40 |
| 70 | 98265 | *03241 | *96759 | 95024 | 30 |
| 80 | 99689 | *04669 | *95331 | 95020 | 20 |
| 90 | *01113 | *06095 | *93905 | 95017 | 10 |
| **05 oo** | *02536 | *07522 | *92478 | 95014 | **95 oo** |
| | ***8.68** | ***8.68** | ***1.31** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **96g** |
| | 1423 | 1426 | 1426 | 4 | |

| 3g | 1422 | 1426 | 1426 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.68** | **8.68** | **1.31** | **9.99** | |
| **05 oo** | 02536 | 07522 | 92478 | 95014 | **95 oo** |
| 10 | 03958 | 08948 | 91052 | 95011 | 90 |
| 20 | 05380 | 10373 | 89627 | 95007 | 80 |
| 30 | 06802 | 11798 | 88202 | 95004 | 70 |
| 40 | 08223 | 13222 | 86778 | 95001 | 60 |
| 50 | 09644 | 14646 | 85354 | 94998 | 50 |
| 60 | 11064 | 16070 | 83930 | 94994 | 40 |
| 70 | 12484 | 17493 | 82507 | 94991 | 30 |
| 80 | 13903 | 18916 | 81084 | 94988 | 20 |
| 90 | 15322 | 20338 | 79662 | 94984 | 10 |
| **06 oo** | 16741 | 21759 | 78241 | 94981 | **94 oo** |
| 10 | 18159 | 23181 | 76819 | 94978 | 90 |
| 20 | 19576 | 24601 | 75399 | 94975 | 80 |
| 30 | 20993 | 26022 | 73978 | 94971 | 70 |
| 40 | 22410 | 27442 | 72558 | 94968 | 60 |
| 50 | 23826 | 28861 | 71139 | 94965 | 50 |
| 60 | 25241 | 30280 | 69720 | 94961 | 40 |
| 70 | 26656 | 31698 | 68302 | 94958 | 30 |
| 80 | 28071 | 33116 | 66884 | 94955 | 20 |
| 90 | 29485 | 34534 | 65466 | 94952 | 10 |
| **07 oo** | 30899 | 35951 | 64049 | 94948 | **93 oo** |
| 10 | 32312 | 37367 | 62633 | 94945 | 90 |
| 20 | 33725 | 38784 | 61216 | 94942 | 80 |
| 30 | 35138 | 40199 | 59801 | 94938 | 70 |
| 40 | 36550 | 41615 | 58385 | 94935 | 60 |
| 50 | 37961 | 43029 | 56971 | 94932 | 50 |
| 60 | 39372 | 44444 | 55556 | 94929 | 40 |
| 70 | 40783 | 45857 | 54143 | 94925 | 30 |
| 80 | 42193 | 47271 | 52729 | 94922 | 20 |
| 90 | 43602 | 48684 | 51316 | 94919 | 10 |
| **08 oo** | 45012 | 50096 | 49904 | 94915 | **92 oo** |
| 10 | 46420 | 51508 | 48492 | 94912 | 90 |
| 20 | 47829 | 52920 | 47080 | 94909 | 80 |
| 30 | 49236 | 54331 | 45669 | 94905 | 70 |
| 40 | 50644 | 55742 | 44258 | 94902 | 60 |
| 50 | 52051 | 57152 | 42848 | 94899 | 50 |
| 60 | 53457 | 58562 | 41438 | 94895 | 40 |
| 70 | 54863 | 59971 | 40029 | 94892 | 30 |
| 80 | 56269 | 61380 | 38620 | 94889 | 20 |
| 90 | 57674 | 62788 | 37212 | 94886 | 10 |
| **09 oo** | 59078 | 64196 | 35804 | 94882 | **91 oo** |
| 10 | 60482 | 65603 | 34397 | 94879 | 90 |
| 20 | 61886 | 67010 | 32990 | 94876 | 80 |
| 30 | 63289 | 68417 | 31583 | 94872 | 70 |
| 40 | 64692 | 69823 | 30177 | 94869 | 60 |
| 50 | 66094 | 71229 | 28771 | 94866 | 50 |
| 60 | 67496 | 72634 | 27366 | 94862 | 40 |
| 70 | 68898 | 74039 | 25961 | 94859 | 30 |
| 80 | 70299 | 75443 | 24557 | 94856 | 20 |
| 90 | 71699 | 76847 | 23153 | 94852 | 10 |
| **10 oo** | 73099 | 78250 | 21750 | 94849 | **90 oo** |
| | **8.68** | **8.68** | **1.31** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **96g** |
| | 1400 | 1403 | 1403 | 4 | |

| | 1449 | 1446 | 1443 | 1440 | 1437 | 1434 | 1431 | 1428 | 1425 | 1422 | 1419 | 1416 | 1413 | 1410 | 1407 | 1404 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 144,9 | 144,6 | 144,3 | 144,0 | 143,7 | 143,4 | 143,1 | 142,8 | 142,5 | 142,2 | 141,9 | 141,6 | 141,3 | 141,0 | 140,7 | 140,4 | 1 |
| 2 | 289,8 | 289,2 | 288,6 | 288,0 | 287,4 | 286,8 | 286,2 | 285,6 | 285,0 | 284,4 | 283,8 | 283,2 | 282,6 | 282,0 | 281,4 | 280,8 | 2 |
| 3 | 434,7 | 433,8 | 432,9 | 432,0 | 431,1 | 430,2 | 429,3 | 428,4 | 427,5 | 426,6 | 425,7 | 424,8 | 423,9 | 423,0 | 422,1 | 421,2 | 3 |
| 4 | 579,6 | 578,4 | 577,2 | 576,0 | 574,8 | 573,6 | 572,4 | 571,2 | 570,0 | 568,8 | 567,6 | 566,4 | 565,2 | 564,0 | 562,8 | 561,6 | 4 |
| 5 | 724,5 | 723,0 | 721,5 | 720,0 | 718,5 | 717,0 | 715,5 | 714,0 | 712,5 | 711,0 | 709,5 | 708,0 | 706,5 | 705,0 | 703,5 | 702,0 | 5 |
| 6 | 869,4 | 867,6 | 865,8 | 864,0 | 862,2 | 860,4 | 858,6 | 856,8 | 855,0 | 853,2 | 851,4 | 849,6 | 847,8 | 846,0 | 844,2 | 842,4 | 6 |
| 7 | 1014,3 | 1012,2 | 1010,1 | 1008,0 | 1005,9 | 1003,8 | 1001,7 | 999,6 | 997,5 | 995,4 | 993,3 | 991,2 | 989,1 | 987,0 | 984,9 | 982,8 | 7 |
| 8 | 1159,2 | 1156,8 | 1154,4 | 1152,0 | 1149,6 | 1147,2 | 1144,8 | 1142,4 | 1140,0 | 1137,6 | 1135,2 | 1132,8 | 1130,4 | 1128,0 | 1125,6 | 1123,2 | 8 |
| 9 | 1304,1 | 1301,4 | 1298,7 | 1296,0 | 1293,3 | 1290,6 | 1287,9 | 1285,2 | 1282,5 | 1279,8 | 1277,1 | 1274,4 | 1271,7 | 1269,0 | 1266,3 | 1263,6 | 9 |

| 3g | 1400 | 1403 | 1403 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**8.68** | ∗**8.68** | ∗**1.31** | **9.99** | |
| **10 oo** | ∗73099 | ∗78250 | ∗21750 | 94849 | **90 oo** |
| 10 | ∗74499 | ∗79653 | ∗20347 | 94846 | 90 |
| 20 | ∗75898 | ∗81056 | ∗18944 | 94842 | 80 |
| 30 | ∗77297 | ∗82458 | ∗17542 | 94839 | 70 |
| 40 | ∗78695 | ∗83859 | ∗16141 | 94836 | 60 |
| 50 | ∗80093 | ∗85260 | ∗14740 | 94832 | 50 |
| 60 | ∗81490 | ∗86661 | ∗13339 | 94829 | 40 |
| 70 | ∗82887 | ∗88061 | ∗11939 | 94826 | 30 |
| 80 | ∗84284 | ∗89461 | ∗10539 | 94822 | 20 |
| 90 | ∗85680 | ∗90860 | ∗09140 | 94819 | 10 |
| **11 oo** | ∗87075 | ∗92259 | ∗07741 | 94816 | **89 oo** |
| 10 | ∗88470 | ∗93658 | ∗06342 | 94812 | 90 |
| 20 | ∗89865 | ∗95056 | ∗04944 | 94809 | 80 |
| 30 | ∗91259 | ∗96453 | ∗03547 | 94806 | 70 |
| 40 | ∗92653 | ∗97850 | ∗02150 | 94802 | 60 |
| 50 | ∗94046 | ∗99247 | ∗00753 | 94799 | 50 |
| 60 | ∗95439 | 00643 | 99357 | 94796 | 40 |
| 70 | ∗96831 | 02039 | 97961 | 94792 | 30 |
| 80 | ∗98223 | 03434 | 96566 | 94789 | 20 |
| 90 | ∗99615 | 04829 | 95171 | 94786 | 10 |
| **12 oo** | 01006 | 06224 | 93776 | 94782 | **88 oo** |
| 10 | 02397 | 07618 | 92382 | 94779 | 90 |
| 20 | 03787 | 09011 | 90989 | 94776 | 80 |
| 30 | 05177 | 10404 | 89596 | 94772 | 70 |
| 40 | 06566 | 11797 | 88203 | 94769 | 60 |
| 50 | 07955 | 13189 | 86811 | 94766 | 50 |
| 60 | 09343 | 14581 | 85419 | 94762 | 40 |
| 70 | 10731 | 15972 | 84028 | 94759 | 30 |
| 80 | 12119 | 17363 | 82637 | 94756 | 20 |
| 90 | 13506 | 18754 | 81246 | 94752 | 10 |
| **13 oo** | 14892 | 20144 | 79856 | 94749 | **87 oo** |
| 10 | 16278 | 21533 | 78467 | 94745 | 90 |
| 20 | 17664 | 22922 | 77078 | 94742 | 80 |
| 30 | 19050 | 24311 | 75689 | 94739 | 70 |
| 40 | 20434 | 25699 | 74301 | 94735 | 60 |
| 50 | 21819 | 27087 | 72913 | 94732 | 50 |
| 60 | 23203 | 28474 | 71526 | 94729 | 40 |
| 70 | 24586 | 29861 | 70139 | 94725 | 30 |
| 80 | 25969 | 31247 | 68753 | 94722 | 20 |
| 90 | 27352 | 32633 | 67367 | 94719 | 10 |
| **14 oo** | 28734 | 34019 | 65981 | 94715 | **86 oo** |
| 10 | 30116 | 35404 | 64596 | 94712 | 90 |
| 20 | 31497 | 36789 | 63211 | 94708 | 80 |
| 30 | 32878 | 38173 | 61827 | 94705 | 70 |
| 40 | 34259 | 39557 | 60443 | 94702 | 60 |
| 50 | 35639 | 40940 | 59060 | 94698 | 50 |
| 60 | 37018 | 42323 | 57677 | 94695 | 40 |
| 70 | 38397 | 43706 | 56294 | 94692 | 30 |
| 80 | 39776 | 45088 | 54912 | 94688 | 20 |
| 90 | 41154 | 46469 | 53531 | 94685 | 10 |
| **15 oo** | 42532 | 47851 | 52149 | 94681 | **85 oo** |
| | **8.69** | **8.69** | **1.30** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 96g |
| | 1378 | 1381 | 1381 | 4 | |

| 3g | 1377 | 1381 | 1381 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.69** | **8.69** | **1.30** | **9.99** | |
| **15 oo** | 42532 | 47851 | 52149 | 94681 | **85 oo** |
| 10 | 43909 | 49231 | 50769 | 94678 | 90 |
| 20 | 45286 | 50612 | 49388 | 94675 | 80 |
| 30 | 46663 | 51992 | 48008 | 94671 | 70 |
| 40 | 48039 | 53371 | 46629 | 94668 | 60 |
| 50 | 49415 | 54750 | 45250 | 94665 | 50 |
| 60 | 50790 | 56129 | 43871 | 94661 | 40 |
| 70 | 52164 | 57507 | 42493 | 94658 | 30 |
| 80 | 53539 | 58884 | 41116 | 94654 | 20 |
| 90 | 54913 | 60262 | 39738 | 94651 | 10 |
| **16 oo** | 56286 | 61638 | 38362 | 94648 | **84 oo** |
| 10 | 57659 | 63015 | 36985 | 94644 | 90 |
| 20 | 59032 | 64391 | 35609 | 94641 | 80 |
| 30 | 60404 | 65766 | 34234 | 94637 | 70 |
| 40 | 61775 | 67141 | 32859 | 94634 | 60 |
| 50 | 63147 | 68516 | 31484 | 94631 | 50 |
| 60 | 64518 | 69890 | 30110 | 94627 | 40 |
| 70 | 65888 | 71264 | 28736 | 94624 | 30 |
| 80 | 67258 | 72637 | 27363 | 94620 | 20 |
| 90 | 68627 | 74010 | 25990 | 94617 | 10 |
| **17 oo** | 69997 | 75383 | 24617 | 94614 | **83 oo** |
| 10 | 71365 | 76755 | 23245 | 94610 | 90 |
| 20 | 72733 | 78127 | 21873 | 94607 | 80 |
| 30 | 74101 | 79498 | 20502 | 94603 | 70 |
| 40 | 75469 | 80869 | 19131 | 94600 | 60 |
| 50 | 76836 | 82239 | 17761 | 94597 | 50 |
| 60 | 78202 | 83609 | 16391 | 94593 | 40 |
| 70 | 79568 | 84978 | 15022 | 94590 | 30 |
| 80 | 80934 | 86347 | 13653 | 94586 | 20 |
| 90 | 82299 | 87716 | 12284 | 94583 | 10 |
| **18 oo** | 83664 | 89084 | 10916 | 94580 | **82 oo** |
| 10 | 85028 | 90452 | 09548 | 94576 | 90 |
| 20 | 86392 | 91819 | 08181 | 94573 | 80 |
| 30 | 87756 | 93186 | 06814 | 94569 | 70 |
| 40 | 89119 | 94553 | 05447 | 94566 | 60 |
| 50 | 90481 | 95919 | 04081 | 94563 | 50 |
| 60 | 91843 | 97284 | 02716 | 94559 | 40 |
| 70 | 93205 | 98650 | 01350 | 94556 | 30 |
| 80 | 94567 | ∗00014 | ∗99986 | 94552 | 20 |
| 90 | 95928 | ∗01379 | ∗98621 | 94549 | 10 |
| **19 oo** | 97288 | ∗02743 | ∗97257 | 94545 | **81 oo** |
| 10 | 98648 | ∗04106 | ∗95894 | 94542 | 90 |
| 20 | ∗00008 | ∗05469 | ∗94531 | 94539 | 80 |
| 30 | ∗01367 | ∗06832 | ∗93168 | 94535 | 70 |
| 40 | ∗02726 | ∗08194 | ∗91806 | 94532 | 60 |
| 50 | ∗04084 | ∗09556 | ∗90444 | 94528 | 50 |
| 60 | ∗05442 | ∗10917 | ∗89083 | 94525 | 40 |
| 70 | ∗06800 | ∗12278 | ∗87722 | 94521 | 30 |
| 80 | ∗08157 | ∗13639 | ∗86361 | 94518 | 20 |
| 90 | ∗09513 | ∗14999 | ∗85001 | 94515 | 10 |
| **20 oo** | ∗10870 | ∗16358 | ∗83642 | 94511 | **80 oo** |
| | ∗**8.70** | ∗**8.70** | ∗**1.29** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 96g |
| | 1356 | 1359 | 1359 | 4 | |

| | 1401 | 1398 | 1395 | 1392 | 1389 | 1386 | 1383 | 1380 | 1377 | 1374 | 1371 | 1368 | 1365 | 1362 | 1359 | 1356 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 140,1 | 139,8 | 139,5 | 139,2 | 138,9 | 138,6 | 138,3 | 138,0 | 137,7 | 137,4 | 137,1 | 136,8 | 136,5 | 136,2 | 135,9 | 135,6 | 1 |
| 2 | 280,2 | 279,6 | 279,0 | 278,4 | 277,8 | 277,2 | 276,6 | 276,0 | 275,4 | 274,8 | 274,2 | 273,6 | 273,0 | 272,4 | 271,8 | 271,2 | 2 |
| 3 | 420,3 | 419,4 | 418,5 | 417,6 | 416,7 | 415,8 | 414,9 | 414,0 | 413,1 | 412,2 | 411,3 | 410,4 | 409,5 | 408,6 | 407,7 | 406,8 | 3 |
| 4 | 560,4 | 559,2 | 558,0 | 556,8 | 555,6 | 554,4 | 553,2 | 552,0 | 550,8 | 549,6 | 548,4 | 547,2 | 546,0 | 544,8 | 543,6 | 542,4 | 4 |
| 5 | 700,5 | 699,0 | 697,5 | 696,0 | 694,5 | 693,0 | 691,5 | 690,0 | 688,5 | 687,0 | 685,5 | 684,0 | 682,5 | 681,0 | 679,5 | 678,0 | 5 |
| 6 | 840,6 | 838,8 | 837,0 | 835,2 | 833,4 | 831,6 | 829,8 | 828,0 | 826,2 | 824,4 | 822,6 | 820,8 | 819,0 | 817,2 | 815,4 | 813,6 | 6 |
| 7 | 980,7 | 978,6 | 976,5 | 974,4 | 972,3 | 970,2 | 968,1 | 966,0 | 963,9 | 961,8 | 959,7 | 957,6 | 955,5 | 953,4 | 951,3 | 949,2 | 7 |
| 8 | 1120,8 | 1118,4 | 1116,0 | 1113,6 | 1111,2 | 1108,8 | 1106,4 | 1104,0 | 1101,6 | 1099,2 | 1096,8 | 1094,4 | 1092,0 | 1089,6 | 1087,2 | 1084,8 | 8 |
| 9 | 1260,9 | 1258,2 | 1255,5 | 1252,8 | 1250,1 | 1247,4 | 1244,7 | 1242,0 | 1239,3 | 1236,6 | 1233,9 | 1231,2 | 1228,5 | 1225,8 | 1223,1 | 1220,4 | 9 |

| 3g | 1356 | 1360 | 1360 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.70** | **8.70** | **1.29** | **9.99** | |
| **20 oo** | 10870 | 16358 | 83642 | 94511 | **80 oo** |
| 10 | 12225 | 17718 | 82282 | 94508 | 90 |
| 20 | 13581 | 19076 | 80924 | 94504 | 80 |
| 30 | 14936 | 20435 | 79565 | 94501 | 70 |
| 40 | 16290 | 21793 | 78207 | 94497 | 60 |
| 50 | 17644 | 23150 | 76850 | 94494 | 50 |
| 60 | 18998 | 24508 | 75492 | 94491 | 40 |
| 70 | 20351 | 25864 | 74136 | 94487 | 30 |
| 80 | 21704 | 27221 | 72779 | 94484 | 20 |
| 90 | 23057 | 28576 | 71424 | 94480 | 10 |
| **21 oo** | 24409 | 29932 | 70068 | 94477 | **79 oo** |
| 10 | 25760 | 31287 | 68713 | 94473 | 90 |
| 20 | 27111 | 32641 | 67359 | 94470 | 80 |
| 30 | 28462 | 33996 | 66004 | 94466 | 70 |
| 40 | 29812 | 35349 | 64651 | 94463 | 60 |
| 50 | 31162 | 36703 | 63297 | 94460 | 50 |
| 60 | 32512 | 38056 | 61944 | 94456 | 40 |
| 70 | 33861 | 39408 | 60592 | 94453 | 30 |
| 80 | 35210 | 40760 | 59240 | 94449 | 20 |
| 90 | 36558 | 42112 | 57888 | 94446 | 10 |
| **22 oo** | 37906 | 43463 | 56537 | 94442 | **78 oo** |
| 10 | 39253 | 44814 | 55186 | 94439 | 90 |
| 20 | 40600 | 46164 | 53836 | 94435 | 80 |
| 30 | 41946 | 47514 | 52486 | 94432 | 70 |
| 40 | 43293 | 48864 | 51136 | 94429 | 60 |
| 50 | 44638 | 50213 | 49787 | 94425 | 50 |
| 60 | 45984 | 51562 | 48438 | 94422 | 40 |
| 70 | 47328 | 52910 | 47090 | 94418 | 30 |
| 80 | 48673 | 54258 | 45742 | 94415 | 20 |
| 90 | 50017 | 55606 | 44394 | 94411 | 10 |
| **23 oo** | 51361 | 56953 | 43047 | 94408 | **77 oo** |
| 10 | 52704 | 58299 | 41701 | 94404 | 90 |
| 20 | 54047 | 59646 | 40354 | 94401 | 80 |
| 30 | 55389 | 60992 | 39008 | 94397 | 70 |
| 40 | 56731 | 62337 | 37663 | 94394 | 60 |
| 50 | 58072 | 63682 | 36318 | 94390 | 50 |
| 60 | 59414 | 65027 | 34973 | 94387 | 40 |
| 70 | 60754 | 66371 | 33629 | 94383 | 30 |
| 80 | 62095 | 67715 | 32285 | 94380 | 20 |
| 90 | 63434 | 69058 | 30942 | 94377 | 10 |
| **24 oo** | 64774 | 70401 | 29599 | 94373 | **76 oo** |
| 10 | 66113 | 71743 | 28257 | 94370 | 90 |
| 20 | 67452 | 73085 | 26915 | 94366 | 80 |
| 30 | 68790 | 74427 | 25573 | 94363 | 70 |
| 40 | 70128 | 75768 | 24232 | 94359 | 60 |
| 50 | 71465 | 77109 | 22891 | 94356 | 50 |
| 60 | 72802 | 78450 | 21550 | 94352 | 40 |
| 70 | 74139 | 79790 | 20210 | 94349 | 30 |
| 80 | 75475 | 81129 | 18871 | 94345 | 20 |
| 90 | 76810 | 82469 | 17531 | 94342 | 10 |
| **25 oo** | 78146 | 83808 | 16192 | 94338 | **75 oo** |
| | **8.70** | **8.70** | **1.29** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $96^g$ |
| | 1335 | 1339 | 1339 | 4 | |

| 3g | 1335 | 1338 | 1338 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**8.70** | ∗**8.70** | ∗**1.29** | **9.99** | |
| **25 oo** | ∗78146 | ∗83808 | ∗16192 | 94338 | **75 oo** |
| 10 | ∗79481 | ∗85146 | ∗14854 | 94335 | 90 |
| 20 | ∗80815 | ∗86484 | ∗13516 | 94331 | 80 |
| 30 | ∗82149 | ∗87822 | ∗12178 | 94328 | 70 |
| 40 | ∗83483 | ∗89159 | ∗10841 | 94324 | 60 |
| 50 | ∗84816 | ∗90495 | ∗09505 | 94321 | 50 |
| 60 | ∗86149 | ∗91832 | ∗08168 | 94317 | 40 |
| 70 | ∗87482 | ∗93168 | ∗06832 | 94314 | 30 |
| 80 | ∗88814 | ∗94503 | ∗05497 | 94310 | 20 |
| 90 | ∗90145 | ∗95838 | ∗04162 | 94307 | 10 |
| **26 oo** | ∗91477 | ∗97173 | ∗02827 | 94303 | **74 oo** |
| 10 | ∗92807 | ∗98508 | ∗01492 | 94300 | 90 |
| 20 | ∗94138 | ∗99841 | ∗00159 | 94296 | 80 |
| 30 | ∗95468 | 01175 | 98825 | 94293 | 70 |
| 40 | ∗96797 | 02508 | 97492 | 94289 | 60 |
| 50 | ∗98127 | 03841 | 96159 | 94286 | 50 |
| 60 | ∗99455 | 05173 | 94827 | 94282 | 40 |
| 70 | 00784 | 06505 | 93495 | 94279 | 30 |
| 80 | 02112 | 07836 | 92164 | 94275 | 20 |
| 90 | 03439 | 09167 | 90833 | 94272 | 10 |
| **27 oo** | 04766 | 10498 | 89502 | 94268 | **73 oo** |
| 10 | 06093 | 11828 | 88172 | 94265 | 90 |
| 20 | 07420 | 13158 | 86842 | 94261 | 80 |
| 30 | 08745 | 14488 | 85512 | 94258 | 70 |
| 40 | 10071 | 15817 | 84183 | 94254 | 60 |
| 50 | 11396 | 17145 | 82855 | 94251 | 50 |
| 60 | 12721 | 18474 | 81526 | 94247 | 40 |
| 70 | 14045 | 19801 | 80199 | 94244 | 30 |
| 80 | 15369 | 21129 | 78871 | 94240 | 20 |
| 90 | 16693 | 22456 | 77544 | 94237 | 10 |
| **28 oo** | 18016 | 23782 | 76218 | 94233 | **72 oo** |
| 10 | 19338 | 25109 | 74891 | 94230 | 90 |
| 20 | 20661 | 26434 | 73566 | 94226 | 80 |
| 30 | 21982 | 27760 | 72240 | 94223 | 70 |
| 40 | 23304 | 29085 | 70915 | 94219 | 60 |
| 50 | 24625 | 30409 | 69591 | 94216 | 50 |
| 60 | 25946 | 31734 | 68266 | 94212 | 40 |
| 70 | 27266 | 33057 | 66943 | 94209 | 30 |
| 80 | 28586 | 34381 | 65619 | 94205 | 20 |
| 90 | 29905 | 35704 | 64296 | 94202 | 10 |
| **29 oo** | 31224 | 37026 | 62974 | 94198 | **71 oo** |
| 10 | 32543 | 38349 | 61651 | 94194 | 90 |
| 20 | 33861 | 39670 | 60330 | 94191 | 80 |
| 30 | 35179 | 40992 | 59008 | 94187 | 70 |
| 40 | 36497 | 42313 | 57687 | 94184 | 60 |
| 50 | 37814 | 43633 | 56367 | 94180 | 50 |
| 60 | 39130 | 44954 | 55046 | 94177 | 40 |
| 70 | 40447 | 46273 | 53727 | 94173 | 30 |
| 80 | 41763 | 47593 | 52407 | 94170 | 20 |
| 90 | 43078 | 48912 | 51088 | 94166 | 10 |
| **30 oo** | 44393 | 50230 | 49770 | 94163 | **70 oo** |
| | **8.71** | **8.71** | **1.28** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $96^g$ |
| | 1315 | 1318 | 1318 | 4 | |

| | 1360 | 1357 | 1355 | 1352 | 1349 | 1346 | 1344 | 1341 | 1338 | 1336 | 1333 | 1330 | 1327 | 1325 | 1322 | 1319 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 136,0 | 135,7 | 135,5 | 135,2 | 134,9 | 134,6 | 134,4 | 134,1 | 133,8 | 133,6 | 133,3 | 133,0 | 132,7 | 132,5 | 132,2 | 131,9 | 1 |
| 2 | 272,0 | 271,4 | 271,0 | 270,4 | 269,8 | 269,2 | 268,8 | 268,2 | 267,6 | 267,2 | 266,6 | 266,0 | 265,4 | 265,0 | 264,4 | 263,8 | 2 |
| 3 | 408,0 | 407,1 | 406,5 | 405,6 | 404,7 | 403,8 | 403,2 | 402,3 | 401,4 | 400,8 | 399,9 | 399,0 | 398,1 | 397,5 | 396,6 | 395,7 | 3 |
| 4 | 544,0 | 542,8 | 542,0 | 540,8 | 539,6 | 538,4 | 537,6 | 536,4 | 535,2 | 534,4 | 533,2 | 532,0 | 530,8 | 530,0 | 528,8 | 527,6 | 4 |
| 5 | 680,0 | 678,5 | 677,5 | 676,0 | 674,5 | 673,0 | 672,0 | 670,5 | 669,0 | 668,0 | 666,5 | 665,0 | 663,5 | 662,5 | 661,0 | 659,5 | 5 |
| 6 | 816,0 | 814,2 | 813,0 | 811,2 | 809,4 | 807,6 | 806,4 | 804,6 | 802,8 | 801,6 | 799,8 | 798,0 | 796,2 | 795,0 | 793,2 | 791,4 | 6 |
| 7 | 952,0 | 949,9 | 948,5 | 946,4 | 944,3 | 942,2 | 940,8 | 938,7 | 936,6 | 935,2 | 933,1 | 931,0 | 928,9 | 927,5 | 925,4 | 923,3 | 7 |
| 8 | 1088,0 | 1085,6 | 1084,0 | 1081,6 | 1079,2 | 1076,8 | 1075,2 | 1072,8 | 1070,4 | 1068,8 | 1066,4 | 1064,0 | 1061,6 | 1060,0 | 1057,6 | 1055,2 | 8 |
| 9 | 1224,0 | 1221,3 | 1219,5 | 1216,8 | 1214,1 | 1211,4 | 1209,6 | 1206,9 | 1204,2 | 1202,4 | 1199,7 | 1197,0 | 1194,3 | 1192,5 | 1189,8 | 1187,1 | 9 |

| $3^g$ | 1315 | 1319 | 1319 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.71** | **8.71** | **1.28** | **9.99** | |
| **30 oo** | 44393 | 50230 | 49770 | 94163 | **70 oo** |
| 10 | 45708 | 51549 | 48451 | 94159 | 90 |
| 20 | 47022 | 52866 | 47134 | 94156 | 80 |
| 30 | 48336 | 54184 | 45816 | 94152 | 70 |
| 40 | 49649 | 55501 | 44499 | 94148 | 60 |
| 50 | 50962 | 56817 | 43183 | 94145 | 50 |
| 60 | 52275 | 58134 | 41866 | 94141 | 40 |
| 70 | 53587 | 59450 | 40550 | 94138 | 30 |
| 80 | 54899 | 60765 | 39235 | 94134 | 20 |
| 90 | 56211 | 62080 | 37920 | 94131 | 10 |
| **31 oo** | 57522 | 63395 | 36605 | 94127 | **69 oo** |
| 10 | 58832 | 64709 | 35291 | 94124 | 90 |
| 20 | 60143 | 66023 | 33977 | 94120 | 80 |
| 30 | 61453 | 67336 | 32664 | 94117 | 70 |
| 40 | 62762 | 68649 | 31351 | 94113 | 60 |
| 50 | 64071 | 69962 | 30038 | 94109 | 50 |
| 60 | 65380 | 71274 | 28726 | 94106 | 40 |
| 70 | 66688 | 72586 | 27414 | 94102 | 30 |
| 80 | 67996 | 73897 | 26103 | 94099 | 20 |
| 90 | 69304 | 75209 | 24791 | 94095 | 10 |
| **32 oo** | 70611 | 76519 | 23481 | 94092 | **68 oo** |
| 10 | 71918 | 77830 | 22170 | 94088 | 90 |
| 20 | 73224 | 79139 | 20861 | 94085 | 80 |
| 30 | 74530 | 80449 | 19551 | 94081 | 70 |
| 40 | 75835 | 81758 | 18242 | 94077 | 60 |
| 50 | 77141 | 83067 | 16933 | 94074 | 50 |
| 60 | 78445 | 84375 | 15625 | 94070 | 40 |
| 70 | 79750 | 85683 | 14317 | 94067 | 30 |
| 80 | 81054 | 86991 | 13009 | 94063 | 20 |
| 90 | 82357 | 88298 | 11702 | 94060 | 10 |
| **33 oo** | 83660 | 89605 | 10395 | 94056 | **67 oo** |
| 10 | 84963 | 90911 | 09089 | 94052 | 90 |
| 20 | 86266 | 92217 | 07783 | 94049 | 80 |
| 30 | 87568 | 93522 | 06478 | 94045 | 70 |
| 40 | 88869 | 94828 | 05172 | 94042 | 60 |
| 50 | 90171 | 96132 | 03868 | 94038 | 50 |
| 60 | 91471 | 97437 | 02563 | 94035 | 40 |
| 70 | 92772 | 98741 | 01259 | 94031 | 30 |
| 80 | 94072 | *00045 | *99955 | 94027 | 20 |
| 90 | 95372 | *01348 | *98652 | 94024 | 10 |
| **34 oo** | 96671 | *02651 | *97349 | 94020 | **66 oo** |
| 10 | 97970 | *03953 | *96047 | 94017 | 90 |
| 20 | 99268 | *05255 | *94745 | 94013 | 80 |
| 30 | *00566 | *06557 | *93443 | 94009 | 70 |
| 40 | *01864 | *07858 | *92142 | 94006 | 60 |
| 50 | *03161 | *09159 | *90841 | 94002 | 50 |
| 60 | *04458 | *10460 | *89540 | 93999 | 40 |
| 70 | *05755 | *11760 | *88240 | 93995 | 30 |
| 80 | *07051 | *13060 | *86940 | 93992 | 20 |
| 90 | *08347 | *14359 | *85641 | 93988 | 10 |
| **35 oo** | *09642 | *15658 | *84342 | 93984 | **65 oo** |
| | ***8.72** | ***8.72** | ***1.27** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $96^g$ |
| | 1295 | 1299 | 1299 | 4 | |

| $3^g$ | 1295 | 1299 | 1299 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.72** | **8.72** | **1.27** | **9.99** | |
| **35 oo** | 09642 | 15658 | 84342 | 93984 | **65 oo** |
| 10 | 10937 | 16957 | 83043 | 93981 | 90 |
| 20 | 12232 | 18255 | 81745 | 93977 | 80 |
| 30 | 13526 | 19553 | 80447 | 93974 | 70 |
| 40 | 14820 | 20850 | 79150 | 93970 | 60 |
| 50 | 16114 | 22147 | 77853 | 93966 | 50 |
| 60 | 17407 | 23444 | 76556 | 93963 | 40 |
| 70 | 18699 | 24740 | 75260 | 93959 | 30 |
| 80 | 19992 | 26036 | 73964 | 93956 | 20 |
| 90 | 21284 | 27332 | 72668 | 93952 | 10 |
| **36 oo** | 22575 | 28627 | 71373 | 93948 | **64 oo** |
| 10 | 23866 | 29921 | 70079 | 93945 | 90 |
| 20 | 25157 | 31216 | 68784 | 93941 | 80 |
| 30 | 26447 | 32510 | 67490 | 93938 | 70 |
| 40 | 27737 | 33803 | 66197 | 93934 | 60 |
| 50 | 29027 | 35097 | 64903 | 93930 | 50 |
| 60 | 30316 | 36390 | 63610 | 93927 | 40 |
| 70 | 31605 | 37682 | 62318 | 93923 | 30 |
| 80 | 32894 | 38974 | 61026 | 93919 | 20 |
| 90 | 34182 | 40266 | 59734 | 93916 | 10 |
| **37 oo** | 35469 | 41557 | 58443 | 93912 | **63 oo** |
| 10 | 36757 | 42848 | 57152 | 93909 | 90 |
| 20 | 38044 | 44139 | 55861 | 93905 | 80 |
| 30 | 39330 | 45429 | 54571 | 93901 | 70 |
| 40 | 40616 | 46718 | 53282 | 93898 | 60 |
| 50 | 41902 | 48008 | 51992 | 93894 | 50 |
| 60 | 43187 | 49297 | 50703 | 93891 | 40 |
| 70 | 44472 | 50586 | 49414 | 93887 | 30 |
| 80 | 45757 | 51874 | 48126 | 93883 | 20 |
| 90 | 47041 | 53162 | 46838 | 93880 | 10 |
| **38 oo** | 48325 | 54449 | 45551 | 93876 | **62 oo** |
| 10 | 49609 | 55736 | 44264 | 93872 | 90 |
| 20 | 50892 | 57023 | 42977 | 93869 | 80 |
| 30 | 52175 | 58309 | 41691 | 93865 | 70 |
| 40 | 53457 | 59595 | 40405 | 93862 | 60 |
| 50 | 54739 | 60881 | 39119 | 93858 | 50 |
| 60 | 56021 | 62166 | 37834 | 93854 | 40 |
| 70 | 57302 | 63451 | 36549 | 93851 | 30 |
| 80 | 58583 | 64736 | 35264 | 93847 | 20 |
| 90 | 59863 | 66020 | 33980 | 93843 | 10 |
| **39 oo** | 61143 | 67303 | 32697 | 93840 | **61 oo** |
| 10 | 62423 | 68587 | 31413 | 93836 | 90 |
| 20 | 63702 | 69870 | 30130 | 93832 | 80 |
| 30 | 64981 | 71152 | 28848 | 93829 | 70 |
| 40 | 66260 | 72434 | 27566 | 93825 | 60 |
| 50 | 67538 | 73716 | 26284 | 93822 | 50 |
| 60 | 68816 | 74998 | 25002 | 93818 | 40 |
| 70 | 70093 | 76279 | 23721 | 93814 | 30 |
| 80 | 71370 | 77560 | 22440 | 93811 | 20 |
| 90 | 72647 | 78840 | 21160 | 93807 | 10 |
| **40 oo** | 73923 | 80120 | 19880 | 93803 | **60 oo** |
| | **8.72** | **8.72** | **1.27** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $96^g$ |
| | 1276 | 1280 | 1280 | 4 | |

| | 1317 | 1314 | 1311 | 1309 | 1306 | 1303 | 1300 | 1298 | 1295 | 1292 | 1290 | 1287 | 1284 | 1281 | 1279 | 1276 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 131,7 | 131,4 | 131,1 | 130,9 | 130,6 | 130,3 | 130,0 | 129,8 | 129,5 | 129,2 | 129,0 | 128,7 | 128,4 | 128,1 | 127,9 | 127,6 | 1 |
| 2 | 263,4 | 262,8 | 262,2 | 261,8 | 261,2 | 260,6 | 260,0 | 259,6 | 259,0 | 258,4 | 258,0 | 257,4 | 256,8 | 256,2 | 255,8 | 255,2 | 2 |
| 3 | 395,1 | 394,2 | 393,3 | 392,7 | 391,8 | 390,9 | 390,0 | 389,4 | 388,5 | 387,6 | 387,0 | 386,1 | 385,2 | 384,3 | 383,7 | 382,8 | 3 |
| 4 | 526,8 | 525,6 | 524,4 | 523,6 | 522,4 | 521,2 | 520,0 | 519,2 | 518,0 | 516,8 | 516,0 | 514,8 | 513,6 | 512,4 | 511,6 | 510,4 | 4 |
| 5 | 658,5 | 657,0 | 655,5 | 654,5 | 653,0 | 651,5 | 650,0 | 649,0 | 647,5 | 646,0 | 645,0 | 643,5 | 642,0 | 640,5 | 639,5 | 638,0 | 5 |
| 6 | 790,2 | 788,4 | 786,6 | 785,4 | 783,6 | 781,8 | 780,0 | 778,8 | 777,0 | 775,2 | 774,0 | 772,2 | 770,4 | 768,6 | 767,4 | 765,6 | 6 |
| 7 | 921,9 | 919,8 | 917,7 | 916,3 | 914,2 | 912,1 | 910,0 | 908,6 | 906,5 | 904,4 | 903,0 | 900,9 | 898,8 | 896,7 | 895,3 | 893,2 | 7 |
| 8 | 1053,6 | 1051,2 | 1048,8 | 1047,2 | 1044,8 | 1042,4 | 1040,0 | 1038,4 | 1036,0 | 1033,6 | 1032,0 | 1029,6 | 1027,2 | 1024,8 | 1023,2 | 1020,8 | 8 |
| 9 | 1185,3 | 1182,6 | 1179,9 | 1178,1 | 1175,4 | 1172,7 | 1170,0 | 1168,2 | 1165,5 | 1162,8 | 1161,0 | 1158,3 | 1155,6 | 1152,9 | 1151,1 | 1148,4 | 9 |

| 3g | 1276 | 1280 | 1280 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗8.72 | ∗8.72 | ∗1.27 | 9.99 | |
| 40 oo | ∗73923 | ∗80120 | ∗19880 | 93803 | 60 oo |
| 10 | ∗75199 | ∗81399 | ∗18601 | 93800 | 90 |
| 20 | ∗76475 | ∗82679 | ∗17321 | 93796 | 80 |
| 30 | ∗77750 | ∗83957 | ∗16043 | 93792 | 70 |
| 40 | ∗79025 | ∗85236 | ∗14764 | 93789 | 60 |
| 50 | ∗80299 | ∗86514 | ∗13486 | 93785 | 50 |
| 60 | ∗81573 | ∗87792 | ∗12208 | 93781 | 40 |
| 70 | ∗82847 | ∗89069 | ∗10931 | 93778 | 30 |
| 80 | ∗84120 | ∗90346 | ∗09654 | 93774 | 20 |
| 90 | ∗85393 | ∗91623 | ∗08377 | 93770 | 10 |
| 41 oo | ∗86666 | ∗92899 | ∗07101 | 93767 | 59 oo |
| 10 | ∗87938 | ∗94175 | ∗05825 | 93763 | 90 |
| 20 | ∗89210 | ∗95450 | ∗04550 | 93759 | 80 |
| 30 | ∗90481 | ∗96725 | ∗03275 | 93756 | 70 |
| 40 | ∗91752 | ∗98000 | ∗02000 | 93752 | 60 |
| 50 | ∗93023 | ∗99274 | ∗00726 | 93749 | 50 |
| 60 | ∗94293 | 00548 | 99452 | 93745 | 40 |
| 70 | ∗95563 | 01822 | 98178 | 93741 | 30 |
| 80 | ∗96833 | 03095 | 96905 | 93738 | 20 |
| 90 | ∗98102 | 04368 | 95632 | 93734 | 10 |
| 42 oo | ∗99371 | 05641 | 94359 | 93730 | 58 oo |
| 10 | 00639 | 06913 | 93087 | 93727 | 90 |
| 20 | 01907 | 08184 | 91816 | 93723 | 80 |
| 30 | 03175 | 09456 | 90544 | 93719 | 70 |
| 40 | 04442 | 10727 | 89273 | 93715 | 60 |
| 50 | 05709 | 11997 | 88003 | 93712 | 50 |
| 60 | 06976 | 13268 | 86732 | 93708 | 40 |
| 70 | 08242 | 14538 | 85462 | 93704 | 30 |
| 80 | 09508 | 15807 | 84193 | 93701 | 20 |
| 90 | 10773 | 17076 | 82924 | 93697 | 10 |
| 43 oo | 12039 | 18345 | 81655 | 93693 | 57 oo |
| 10 | 13303 | 19614 | 80386 | 93690 | 90 |
| 20 | 14568 | 20882 | 79118 | 93686 | 80 |
| 30 | 15832 | 22149 | 77851 | 93682 | 70 |
| 40 | 17095 | 23417 | 76583 | 93679 | 60 |
| 50 | 18359 | 24684 | 75316 | 93675 | 50 |
| 60 | 19622 | 25950 | 74050 | 93671 | 40 |
| 70 | 20884 | 27216 | 72784 | 93668 | 30 |
| 80 | 22146 | 28482 | 71518 | 93664 | 20 |
| 90 | 23408 | 29748 | 70252 | 93660 | 10 |
| 44 oo | 24670 | 31013 | 68987 | 93657 | 56 oo |
| 10 | 25931 | 32278 | 67722 | 93653 | 90 |
| 20 | 27191 | 33542 | 66458 | 93649 | 80 |
| 30 | 28452 | 34806 | 65194 | 93646 | 70 |
| 40 | 29712 | 36070 | 63930 | 93642 | 60 |
| 50 | 30971 | 37333 | 62667 | 93638 | 50 |
| 60 | 32230 | 38596 | 61404 | 93634 | 40 |
| 70 | 33489 | 39859 | 60141 | 93631 | 30 |
| 80 | 34748 | 41121 | 58879 | 93627 | 20 |
| 90 | 36006 | 42383 | 57617 | 93623 | 10 |
| 45 oo | 37264 | 43644 | 56356 | 93620 | 55 oo |
| | 8.73 | 8.73 | 1.26 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 96g |
| | 1258 | 1261 | 1261 | 4 | |

| 3g | 1257 | 1261 | 1261 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 8.73 | 8.73 | 1.26 | 9.99 | |
| 45 oo | 37264 | 43644 | 56356 | 93620 | 55 oo |
| 10 | 38521 | 44905 | 55095 | 93616 | 90 |
| 20 | 39778 | 46166 | 53834 | 93612 | 80 |
| 30 | 41035 | 47426 | 52574 | 93609 | 70 |
| 40 | 42291 | 48686 | 51314 | 93605 | 60 |
| 50 | 43547 | 49946 | 50054 | 93601 | 50 |
| 60 | 44803 | 51205 | 48795 | 93597 | 40 |
| 70 | 46058 | 52464 | 47536 | 93594 | 30 |
| 80 | 47313 | 53723 | 46277 | 93590 | 20 |
| 90 | 48567 | 54981 | 45019 | 93586 | 10 |
| 46 oo | 49821 | 56239 | 43761 | 93583 | 54 oo |
| 10 | 51075 | 57496 | 42504 | 93579 | 90 |
| 20 | 52329 | 58753 | 41247 | 93575 | 80 |
| 30 | 53582 | 60010 | 39990 | 93571 | 70 |
| 40 | 54834 | 61267 | 38733 | 93568 | 60 |
| 50 | 56087 | 62523 | 37477 | 93564 | 50 |
| 60 | 57339 | 63778 | 36222 | 93560 | 40 |
| 70 | 58590 | 65034 | 34966 | 93557 | 30 |
| 80 | 59841 | 66289 | 33711 | 93553 | 20 |
| 90 | 61092 | 67543 | 32457 | 93549 | 10 |
| 47 oo | 62343 | 68797 | 31203 | 93545 | 53 oo |
| 10 | 63593 | 70051 | 29949 | 93542 | 90 |
| 20 | 64843 | 71305 | 28695 | 93538 | 80 |
| 30 | 66092 | 72558 | 27442 | 93534 | 70 |
| 40 | 67341 | 73811 | 26189 | 93531 | 60 |
| 50 | 68590 | 75063 | 24937 | 93527 | 50 |
| 60 | 69838 | 76315 | 23685 | 93523 | 40 |
| 70 | 71086 | 77567 | 22433 | 93519 | 30 |
| 80 | 72334 | 78818 | 21182 | 93516 | 20 |
| 90 | 73581 | 80069 | 19931 | 93512 | 10 |
| 48 oo | 74828 | 81320 | 18680 | 93508 | 52 oo |
| 10 | 76075 | 82570 | 17430 | 93504 | 90 |
| 20 | 77321 | 83820 | 16180 | 93501 | 80 |
| 30 | 78567 | 85070 | 14930 | 93497 | 70 |
| 40 | 79812 | 86319 | 13681 | 93493 | 60 |
| 50 | 81057 | 87568 | 12432 | 93489 | 50 |
| 60 | 82302 | 88816 | 11184 | 93486 | 40 |
| 70 | 83546 | 90064 | 09936 | 93482 | 30 |
| 80 | 84790 | 91312 | 08688 | 93478 | 20 |
| 90 | 86034 | 92560 | 07440 | 93475 | 10 |
| 49 oo | 87277 | 93807 | 06193 | 93471 | 51 oo |
| 10 | 88520 | 95053 | 04947 | 93467 | 90 |
| 20 | 89763 | 96300 | 03700 | 93463 | 80 |
| 30 | 91005 | 97546 | 02454 | 93460 | 70 |
| 40 | 92247 | 98791 | 01209 | 93456 | 60 |
| 50 | 93489 | ∗00037 | ∗99963 | 93452 | 50 |
| 60 | 94730 | ∗01282 | ∗98718 | 93448 | 40 |
| 70 | 95971 | ∗02526 | ∗97474 | 93445 | 30 |
| 80 | 97211 | ∗03771 | ∗96229 | 93441 | 20 |
| 90 | 98451 | ∗05014 | ∗94986 | 93437 | 10 |
| 50 oo | 99691 | ∗06258 | ∗93742 | 93433 | 50 oo |
| | 8.73 | ∗8.74 | ∗1.25 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 96g |
| | 1240 | 1243 | 1243 | 4 | |

| | 1280 | 1278 | 1275 | 1273 | 1270 | 1268 | 1265 | 1263 | 1261 | 1258 | 1256 | 1253 | 1251 | 1249 | 1246 | 1244 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 128,0 | 127,8 | 127,5 | 127,3 | 127,0 | 126,8 | 126,5 | 126,3 | 126,1 | 125,8 | 125,6 | 125,3 | 125,1 | 124,9 | 124,6 | 124,4 | 1 |
| 2 | 256,0 | 255,6 | 255,0 | 254,6 | 254,0 | 253,6 | 253,0 | 252,6 | 252,2 | 251,6 | 251,2 | 250,6 | 250,2 | 249,8 | 249,2 | 248,8 | 2 |
| 3 | 384,0 | 383,4 | 382,5 | 381,9 | 381,0 | 380,4 | 379,5 | 378,9 | 378,3 | 377,4 | 376,8 | 375,9 | 375,3 | 374,7 | 373,8 | 373,2 | 3 |
| 4 | 512,0 | 511,2 | 510,0 | 509,2 | 508,0 | 507,2 | 506,0 | 505,2 | 504,4 | 503,2 | 502,4 | 501,2 | 500,4 | 499,6 | 498,4 | 497,6 | 4 |
| 5 | 640,0 | 639,0 | 637,5 | 636,5 | 635,0 | 634,0 | 632,5 | 631,5 | 630,5 | 629,0 | 628,0 | 626,5 | 625,5 | 624,5 | 623,0 | 622,0 | 5 |
| 6 | 768,0 | 766,8 | 765,0 | 763,8 | 762,0 | 760,8 | 759,0 | 757,8 | 756,6 | 754,8 | 753,6 | 751,8 | 750,6 | 749,4 | 747,6 | 746,4 | 6 |
| 7 | 896,0 | 894,6 | 892,5 | 891,1 | 889,0 | 887,6 | 885,5 | 884,1 | 882,7 | 880,6 | 879,2 | 877,1 | 875,7 | 874,3 | 872,2 | 870,8 | 7 |
| 8 | 1024,0 | 1022,4 | 1020,0 | 1018,4 | 1016,0 | 1014,4 | 1012,0 | 1010,4 | 1008,8 | 1006,4 | 1004,8 | 1002,4 | 1000,8 | 999,2 | 996,8 | 995,2 | 8 |
| 9 | 1152,0 | 1150,2 | 1147,5 | 1145,7 | 1143,0 | 1141,2 | 1138,5 | 1136,7 | 1134,9 | 1132,2 | 1130,4 | 1127,7 | 1125,9 | 1124,1 | 1121,4 | 1119,6 | 9 |

| 3g | 1240 | 1243 | 1243 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *8.73 | 8.74 | 1.25 | 9.99 | |
| 50 oo | *99691 | 06258 | 93742 | 93433 | 50 oo |
| 10 | 00931 | 07501 | 92499 | 93430 | 90 |
| 20 | 02170 | 08744 | 91256 | 93426 | 80 |
| 30 | 03408 | 09986 | 90014 | 93422 | 70 |
| 40 | 04647 | 11228 | 88772 | 93418 | 60 |
| 50 | 05885 | 12470 | 87530 | 93414 | 50 |
| 60 | 07122 | 13712 | 86288 | 93411 | 40 |
| 70 | 08360 | 14953 | 85047 | 93407 | 30 |
| 80 | 09597 | 16193 | 83807 | 93403 | 20 |
| 90 | 10833 | 17434 | 82566 | 93399 | 10 |
| 51 oo | 12069 | 18674 | 81326 | 93396 | 49 oo |
| 10 | 13305 | 19913 | 80087 | 93392 | 90 |
| 20 | 14541 | 21153 | 78847 | 93388 | 80 |
| 30 | 15776 | 22392 | 77608 | 93384 | 70 |
| 40 | 17011 | 23630 | 76370 | 93381 | 60 |
| 50 | 18245 | 24868 | 75132 | 93377 | 50 |
| 60 | 19479 | 26106 | 73894 | 93373 | 40 |
| 70 | 20713 | 27344 | 72656 | 93369 | 30 |
| 80 | 21947 | 28581 | 71419 | 93366 | 20 |
| 90 | 23180 | 29818 | 70182 | 93362 | 10 |
| 52 oo | 24412 | 31054 | 68946 | 93358 | 48 oo |
| 10 | 25645 | 32290 | 67710 | 93354 | 90 |
| 20 | 26877 | 33526 | 66474 | 93350 | 80 |
| 30 | 28108 | 34762 | 65238 | 93347 | 70 |
| 40 | 29340 | 35997 | 64003 | 93343 | 60 |
| 50 | 30571 | 37232 | 62768 | 93339 | 50 |
| 60 | 31801 | 38466 | 61534 | 93335 | 40 |
| 70 | 33031 | 39700 | 60300 | 93332 | 30 |
| 80 | 34261 | 40934 | 59066 | 93328 | 20 |
| 90 | 35491 | 42167 | 57833 | 93324 | 10 |
| 53 oo | 36720 | 43400 | 56600 | 93320 | 47 oo |
| 10 | 37949 | 44633 | 55367 | 93316 | 90 |
| 20 | 39177 | 45865 | 54135 | 93313 | 80 |
| 30 | 40406 | 47097 | 52903 | 93309 | 70 |
| 40 | 41633 | 48328 | 51672 | 93305 | 60 |
| 50 | 42861 | 49560 | 50440 | 93301 | 50 |
| 60 | 44088 | 50791 | 49209 | 93297 | 40 |
| 70 | 45315 | 52021 | 47979 | 93294 | 30 |
| 80 | 46541 | 53251 | 46749 | 93290 | 20 |
| 90 | 47767 | 54481 | 45519 | 93286 | 10 |
| 54 oo | 48993 | 55711 | 44289 | 93282 | 46 oo |
| 10 | 50218 | 56940 | 43060 | 93278 | 90 |
| 20 | 51443 | 58169 | 41831 | 93275 | 80 |
| 30 | 52668 | 59397 | 40603 | 93271 | 70 |
| 40 | 53893 | 60625 | 39375 | 93267 | 60 |
| 50 | 55117 | 61853 | 38147 | 93263 | 50 |
| 60 | 56340 | 63081 | 36919 | 93259 | 40 |
| 70 | 57563 | 64308 | 35692 | 93256 | 30 |
| 80 | 58786 | 65535 | 34465 | 93252 | 20 |
| 90 | 60009 | 66761 | 33239 | 93248 | 10 |
| 55 oo | 61231 | 67987 | 32013 | 93244 | 45 oo |
| | 8.74 | 8.74 | 1.25 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 96g |
| | 1222 | 1226 | 1226 | 4 | |

| 3g | 1222 | 1226 | 1226 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 8.74 | 8.74 | 1.25 | 9.99 | |
| 55 oo | 61231 | 67987 | 32013 | 93244 | 45 oo |
| 10 | 62453 | 69213 | 30787 | 93240 | 90 |
| 20 | 63675 | 70438 | 29562 | 93237 | 80 |
| 30 | 64896 | 71663 | 28337 | 93233 | 70 |
| 40 | 66117 | 72888 | 27112 | 93229 | 60 |
| 50 | 67337 | 74112 | 25888 | 93225 | 50 |
| 60 | 68558 | 75336 | 24664 | 93221 | 40 |
| 70 | 69778 | 76560 | 23440 | 93218 | 30 |
| 80 | 70997 | 77783 | 22217 | 93214 | 20 |
| 90 | 72216 | 79006 | 20994 | 93210 | 10 |
| 56 oo | 73435 | 80229 | 19771 | 93206 | 44 oo |
| 10 | 74654 | 81451 | 18549 | 93202 | 90 |
| 20 | 75872 | 82673 | 17327 | 93198 | 80 |
| 30 | 77089 | 83895 | 16105 | 93195 | 70 |
| 40 | 78307 | 85116 | 14884 | 93191 | 60 |
| 50 | 79524 | 86337 | 13663 | 93187 | 50 |
| 60 | 80741 | 87558 | 12442 | 93183 | 40 |
| 70 | 81957 | 88778 | 11222 | 93179 | 30 |
| 80 | 83173 | 89998 | 10002 | 93175 | 20 |
| 90 | 84389 | 91217 | 08783 | 93172 | 10 |
| 57 oo | 85604 | 92437 | 07563 | 93168 | 43 oo |
| 10 | 86820 | 93656 | 06344 | 93164 | 90 |
| 20 | 88034 | 94874 | 05126 | 93160 | 80 |
| 30 | 89249 | 96092 | 03908 | 93156 | 70 |
| 40 | 90463 | 97310 | 02690 | 93153 | 60 |
| 50 | 91676 | 98528 | 01472 | 93149 | 50 |
| 60 | 92890 | 99745 | 00255 | 93145 | 40 |
| 70 | 94103 | *00962 | *99038 | 93141 | 30 |
| 80 | 95315 | *02178 | *97822 | 93137 | 20 |
| 90 | 96528 | *03395 | *96605 | 93133 | 10 |
| 58 oo | 97740 | *04610 | *95390 | 93129 | 42 oo |
| 10 | 98951 | *05826 | *94174 | 93126 | 90 |
| 20 | *00163 | *07041 | *92959 | 93122 | 80 |
| 30 | *01374 | *08256 | *91744 | 93118 | 70 |
| 40 | *02584 | *09470 | *90530 | 93114 | 60 |
| 50 | *03795 | *10684 | *89316 | 93110 | 50 |
| 60 | *05005 | *11898 | *88102 | 93106 | 40 |
| 70 | *06214 | *13112 | *86888 | 93103 | 30 |
| 80 | *07424 | *14325 | *85675 | 93099 | 20 |
| 90 | *08633 | *15538 | *84462 | 93095 | 10 |
| 59 oo | *09841 | *16750 | *83250 | 93091 | 41 oo |
| 10 | *11050 | *17962 | *82038 | 93087 | 90 |
| 20 | *12257 | *19174 | *80826 | 93083 | 80 |
| 30 | *13465 | *20386 | *79614 | 93079 | 70 |
| 40 | *14672 | *21597 | *78403 | 93076 | 60 |
| 50 | *15879 | *22808 | *77192 | 93072 | 50 |
| 60 | *17086 | *24018 | *75982 | 93068 | 40 |
| 70 | *18292 | *25228 | *74772 | 93064 | 30 |
| 80 | *19498 | *26438 | *73562 | 93060 | 20 |
| 90 | *20704 | *27647 | *72353 | 93056 | 10 |
| 60 oo | *21909 | *28856 | *71144 | 93052 | 40 oo |
| | *8.75 | *8.75 | *1.24 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 96g |
| | 1205 | 1209 | 1209 | 4 | |

| | 1241 | 1239 | 1236 | 1234 | 1232 | 1229 | 1227 | 1224 | 1222 | 1220 | 1217 | 1215 | 1212 | 1210 | 1207 | 1205 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 124,1 | 123,9 | 123,6 | 123,4 | 123,2 | 122,9 | 122,7 | 122,4 | 122,2 | 122,0 | 121,7 | 121,5 | 121,2 | 121,0 | 120,7 | 120,5 | 1 |
| 2 | 248,2 | 247,8 | 247,2 | 246,8 | 246,4 | 245,8 | 245,4 | 244,8 | 244,4 | 244,0 | 243,4 | 243,0 | 242,4 | 242,0 | 241,4 | 241,0 | 2 |
| 3 | 372,3 | 371,7 | 370,8 | 370,2 | 369,6 | 368,7 | 368,1 | 367,2 | 366,6 | 366,0 | 365,1 | 364,5 | 363,6 | 363,0 | 362,1 | 361,5 | 3 |
| 4 | 496,4 | 495,6 | 494,4 | 493,6 | 492,8 | 491,6 | 490,8 | 489,6 | 488,8 | 488,0 | 486,8 | 486,0 | 484,8 | 484,0 | 482,8 | 482,0 | 4 |
| 5 | 620,5 | 619,5 | 618,0 | 617,0 | 616,0 | 614,5 | 613,5 | 612,0 | 611,0 | 610,0 | 608,5 | 607,5 | 606,0 | 605,0 | 603,5 | 602,5 | 5 |
| 6 | 744,6 | 743,4 | 741,6 | 740,4 | 739,2 | 737,4 | 736,2 | 734,4 | 733,2 | 732,0 | 730,2 | 729,0 | 727,2 | 726,0 | 724,2 | 723,0 | 6 |
| 7 | 868,7 | 867,3 | 865,2 | 863,8 | 862,4 | 860,3 | 858,9 | 856,8 | 855,4 | 854,0 | 851,9 | 850,5 | 848,4 | 847,0 | 844,9 | 843,5 | 7 |
| 8 | 992,8 | 991,2 | 988,8 | 987,2 | 985,6 | 983,2 | 981,6 | 979,2 | 977,6 | 976,0 | 973,6 | 972,0 | 969,6 | 968,0 | 965,6 | 964,0 | 8 |
| 9 | 1116,9 | 1115,1 | 1112,4 | 1110,6 | 1108,8 | 1106,1 | 1104,3 | 1101,6 | 1099,8 | 1098,0 | 1095,3 | 1093,5 | 1090,8 | 1089,0 | 1086,3 | 1084,5 | 9 |

| $3^g$ | 1205 | 1209 | 1209 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.75** | **8.75** | **1.24** | **9.99** | |
| **60 oo** | 21909 | 28856 | 71144 | 93052 | **40 oo** |
| 10 | 23114 | 30065 | 69935 | 93049 | 90 |
| 20 | 24318 | 31274 | 68726 | 93045 | 80 |
| 30 | 25523 | 32482 | 67518 | 93041 | 70 |
| 40 | 26727 | 33690 | 66310 | 93037 | 60 |
| 50 | 27930 | 34897 | 65103 | 93033 | 50 |
| 60 | 29133 | 36104 | 63896 | 93029 | 40 |
| 70 | 30336 | 37311 | 62689 | 93025 | 30 |
| 80 | 31539 | 38517 | 61483 | 93022 | 20 |
| 90 | 32741 | 39723 | 60277 | 93018 | 10 |
| **61 oo** | 33943 | 40929 | 59071 | 93014 | **39 oo** |
| 10 | 35145 | 42135 | 57865 | 93010 | 90 |
| 20 | 36346 | 43340 | 56660 | 93006 | 80 |
| 30 | 37547 | 44545 | 55455 | 93002 | 70 |
| 40 | 38747 | 45749 | 54251 | 92998 | 60 |
| 50 | 39948 | 46953 | 53047 | 92994 | 50 |
| 60 | 41148 | 48157 | 51843 | 92991 | 40 |
| 70 | 42347 | 49360 | 50640 | 92987 | 30 |
| 80 | 43546 | 50564 | 49436 | 92983 | 20 |
| 90 | 44745 | 51766 | 48234 | 92979 | 10 |
| **62 oo** | 45944 | 52969 | 47031 | 92975 | **38 oo** |
| 10 | 47142 | 54171 | 45829 | 92971 | 90 |
| 20 | 48340 | 55373 | 44627 | 92967 | 80 |
| 30 | 49538 | 56574 | 43426 | 92963 | 70 |
| 40 | 50735 | 57775 | 42225 | 92959 | 60 |
| 50 | 51932 | 58976 | 41024 | 92956 | 50 |
| 60 | 53128 | 60177 | 39823 | 92952 | 40 |
| 70 | 54325 | 61377 | 38623 | 92948 | 30 |
| 80 | 55521 | 62577 | 37423 | 92944 | 20 |
| 90 | 56716 | 63776 | 36224 | 92940 | 10 |
| **63 oo** | 57911 | 64975 | 35025 | 92936 | **37 oo** |
| 10 | 59106 | 66174 | 33826 | 92932 | 90 |
| 20 | 60301 | 67373 | 32627 | 92928 | 80 |
| 30 | 61495 | 68571 | 31429 | 92924 | 70 |
| 40 | 62689 | 69769 | 30231 | 92921 | 60 |
| 50 | 63883 | 70966 | 29034 | 92917 | 50 |
| 60 | 65076 | 72163 | 27837 | 92913 | 40 |
| 70 | 66269 | 73360 | 26640 | 92909 | 30 |
| 80 | 67462 | 74557 | 25443 | 92905 | 20 |
| 90 | 68654 | 75753 | 24247 | 92901 | 10 |
| **64 oo** | 69846 | 76949 | 23051 | 92897 | **36 oo** |
| 10 | 71038 | 78144 | 21856 | 92893 | 90 |
| 20 | 72229 | 79340 | 20660 | 92889 | 80 |
| 30 | 73420 | 80535 | 19465 | 92885 | 70 |
| 40 | 74611 | 81729 | 18271 | 92882 | 60 |
| 50 | 75801 | 82923 | 17077 | 92878 | 50 |
| 60 | 76991 | 84117 | 15883 | 92874 | 40 |
| 70 | 78181 | 85311 | 14689 | 92870 | 30 |
| 80 | 79370 | 86504 | 13496 | 92866 | 20 |
| 90 | 80559 | 87697 | 12303 | 92862 | 10 |
| **65 oo** | 81748 | 88890 | 11110 | 92858 | **35 oo** |
| | **8.75** | **8.75** | **1.24** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $96^g$ |
| | 1189 | 1193 | 1193 | 4 | |

| $3^g$ | 1188 | 1192 | 1192 | 3 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**8.75** | ∗**8.75** | ∗**1.24** | **9.99** | |
| **65 oo** | ∗81748 | ∗88890 | ∗11110 | 92858 | **35 oo** |
| 10 | ∗82936 | ∗90082 | ∗09918 | 92854 | 90 |
| 20 | ∗84124 | ∗91274 | ∗08726 | 92850 | 80 |
| 30 | ∗85312 | ∗92466 | ∗07534 | 92846 | 70 |
| 40 | ∗86499 | ∗93657 | ∗06343 | 92842 | 60 |
| 50 | ∗87686 | ∗94848 | ∗05152 | 92838 | 50 |
| 60 | ∗88873 | ∗96039 | ∗03961 | 92835 | 40 |
| 70 | ∗90060 | ∗97229 | ∗02771 | 92831 | 30 |
| 80 | ∗91246 | ∗98419 | ∗01581 | 92827 | 20 |
| 90 | ∗92432 | ∗99609 | ∗00391 | 92823 | 10 |
| **66 oo** | ∗93617 | 00798 | 99202 | 92819 | **34 oo** |
| 10 | ∗94802 | 01987 | 98013 | 92815 | 90 |
| 20 | ∗95987 | 03176 | 96824 | 92811 | 80 |
| 30 | ∗97171 | 04364 | 95636 | 92807 | 70 |
| 40 | ∗98356 | 05552 | 94448 | 92803 | 60 |
| 50 | ∗99539 | 06740 | 93260 | 92799 | 50 |
| 60 | 00723 | 07928 | 92072 | 92795 | 40 |
| 70 | 01906 | 09115 | 90885 | 92791 | 30 |
| 80 | 03089 | 10302 | 89698 | 92787 | 20 |
| 90 | 04271 | 11488 | 88512 | 92783 | 10 |
| **67 oo** | 05454 | 12674 | 87326 | 92780 | **33 oo** |
| 10 | 06636 | 13860 | 86140 | 92776 | 90 |
| 20 | 07817 | 15045 | 84955 | 92772 | 80 |
| 30 | 08998 | 16231 | 83769 | 92768 | 70 |
| 40 | 10179 | 17416 | 82584 | 92764 | 60 |
| 50 | 11360 | 18600 | 81400 | 92760 | 50 |
| 60 | 12540 | 19784 | 80216 | 92756 | 40 |
| 70 | 13720 | 20968 | 79032 | 92752 | 30 |
| 80 | 14900 | 22152 | 77848 | 92748 | 20 |
| 90 | 16079 | 23335 | 76665 | 92744 | 10 |
| **68 oo** | 17258 | 24518 | 75482 | 92740 | **32 oo** |
| 10 | 18437 | 25701 | 74299 | 92736 | 90 |
| 20 | 19615 | 26883 | 73117 | 92732 | 80 |
| 30 | 20793 | 28065 | 71935 | 92728 | 70 |
| 40 | 21971 | 29247 | 70753 | 92724 | 60 |
| 50 | 23148 | 30428 | 69572 | 92720 | 50 |
| 60 | 24325 | 31609 | 68391 | 92716 | 40 |
| 70 | 25502 | 32790 | 67210 | 92712 | 30 |
| 80 | 26678 | 33970 | 66030 | 92708 | 20 |
| 90 | 27855 | 35150 | 64850 | 92705 | 10 |
| **69 oo** | 29030 | 36330 | 63670 | 92701 | **31 oo** |
| 10 | 30206 | 37509 | 62491 | 92697 | 90 |
| 20 | 31381 | 38688 | 61312 | 92693 | 80 |
| 30 | 32556 | 39867 | 60133 | 92689 | 70 |
| 40 | 33730 | 41046 | 58954 | 92685 | 60 |
| 50 | 34905 | 42224 | 57776 | 92681 | 50 |
| 60 | 36078 | 43402 | 56598 | 92677 | 40 |
| 70 | 37252 | 44579 | 55421 | 92673 | 30 |
| 80 | 38425 | 45756 | 54244 | 92669 | 20 |
| 90 | 39598 | 46933 | 53067 | 92665 | 10 |
| **70 oo** | 40771 | 48110 | 51890 | 92661 | **30 oo** |
| | **8.76** | **8.76** | **1.23** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $96^g$ |
| | 1173 | 1177 | 1177 | 4 | |

| | 1209 | 1207 | 1205 | 1202 | 1200 | 1198 | 1196 | 1194 | 1191 | 1189 | 1187 | 1185 | 1183 | 1180 | 1178 | 1176 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 120,9 | 120,7 | 120,5 | 120,2 | 120,0 | 119,8 | 119,6 | 119,4 | 119,1 | 118,9 | 118,7 | 118,5 | 118,3 | 118,0 | 117,8 | 117,6 | 1 |
| 2 | 241,8 | 241,4 | 241,0 | 240,4 | 240,0 | 239,6 | 239,2 | 238,8 | 238,2 | 237,8 | 237,4 | 237,0 | 236,6 | 236,0 | 235,6 | 235,2 | 2 |
| 3 | 362,7 | 362,1 | 361,5 | 360,6 | 360,0 | 359,4 | 358,8 | 358,2 | 357,3 | 356,7 | 356,1 | 355,5 | 354,9 | 354,0 | 353,4 | 352,8 | 3 |
| 4 | 483,6 | 482,8 | 482,0 | 480,8 | 480,0 | 479,2 | 478,4 | 477,6 | 476,4 | 475,6 | 474,8 | 474,0 | 473,2 | 472,0 | 471,2 | 470,4 | 4 |
| 5 | 604,5 | 603,5 | 602,5 | 601,0 | 600,0 | 599,0 | 598,0 | 597,0 | 595,5 | 594,5 | 593,5 | 592,5 | 591,5 | 590,0 | 589,0 | 588,0 | 5 |
| 6 | 725,4 | 724,2 | 723,0 | 721,2 | 720,0 | 718,8 | 717,6 | 716,4 | 714,6 | 713,4 | 712,2 | 711,0 | 709,8 | 708,0 | 706,8 | 705,6 | 6 |
| 7 | 846,3 | 844,9 | 843,5 | 841,4 | 840,0 | 838,6 | 837,2 | 835,8 | 833,7 | 832,3 | 830,9 | 829,5 | 828,1 | 826,0 | 824,6 | 823,2 | 7 |
| 8 | 967,2 | 965,6 | 964,0 | 961,6 | 960,0 | 958,4 | 956,8 | 955,2 | 952,8 | 951,2 | 949,6 | 948,0 | 946,4 | 944,0 | 942,4 | 940,8 | 8 |
| 9 | 1088,1 | 1086,3 | 1084,5 | 1081,8 | 1080,0 | 1078,2 | 1076,4 | 1074,6 | 1071,9 | 1070,1 | 1068,3 | 1066,5 | 1064,7 | 1062,0 | 1060,2 | 1058,4 | 9 |

| $3^g$ | 1172 | 1176 | 1176 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.76** | **8.76** | **1.23** | **9.99** | |
| **70 oo** | 40771 | 48110 | 51890 | 92661 | **30 oo** |
| 10 | 41943 | 49286 | 50714 | 92657 | 90 |
| 20 | 43115 | 50462 | 49538 | 92653 | 80 |
| 30 | 44287 | 51638 | 48362 | 92649 | 70 |
| 40 | 45458 | 52813 | 47187 | 92645 | 60 |
| 50 | 46629 | 53988 | 46012 | 92641 | 50 |
| 60 | 47800 | 55163 | 44837 | 92637 | 40 |
| 70 | 48970 | 56337 | 43663 | 92633 | 30 |
| 80 | 50140 | 57511 | 42489 | 92629 | 20 |
| 90 | 51310 | 58685 | 41315 | 92625 | 10 |
| **71 oo** | 52479 | 59858 | 40142 | 92621 | **29 oo** |
| 10 | 53648 | 61031 | 38969 | 92617 | 90 |
| 20 | 54817 | 62204 | 37796 | 92613 | 80 |
| 30 | 55986 | 63377 | 36623 | 92609 | 70 |
| 40 | 57154 | 64549 | 35451 | 92605 | 60 |
| 50 | 58322 | 65721 | 34279 | 92601 | 50 |
| 60 | 59489 | 66892 | 33108 | 92597 | 40 |
| 70 | 60657 | 68063 | 31937 | 92593 | 30 |
| 80 | 61824 | 69234 | 30766 | 92589 | 20 |
| 90 | 62990 | 70405 | 29595 | 92585 | 10 |
| **72 oo** | 64156 | 71575 | 28425 | 92581 | **28 oo** |
| 10 | 65322 | 72745 | 27255 | 92577 | 90 |
| 20 | 66488 | 73915 | 26085 | 92573 | 80 |
| 30 | 67653 | 75084 | 24916 | 92569 | 70 |
| 40 | 68818 | 76253 | 23747 | 92565 | 60 |
| 50 | 69983 | 77422 | 22578 | 92561 | 50 |
| 60 | 71148 | 78590 | 21410 | 92557 | 40 |
| 70 | 72312 | 79758 | 20242 | 92553 | 30 |
| 80 | 73475 | 80926 | 19074 | 92549 | 20 |
| 90 | 74639 | 82094 | 17906 | 92545 | 10 |
| **73 oo** | 75802 | 83261 | 16739 | 92541 | **27 oo** |
| 10 | 76965 | 84428 | 15572 | 92537 | 90 |
| 20 | 78127 | 85594 | 14406 | 92533 | 80 |
| 30 | 79290 | 86760 | 13240 | 92529 | 70 |
| 40 | 80451 | 87926 | 12074 | 92525 | 60 |
| 50 | 81613 | 89092 | 10908 | 92521 | 50 |
| 60 | 82774 | 90257 | 09743 | 92517 | 40 |
| 70 | 83935 | 91422 | 08578 | 92513 | 30 |
| 80 | 85096 | 92587 | 07413 | 92509 | 20 |
| 90 | 86256 | 93751 | 06249 | 92505 | 10 |
| **74 oo** | 87416 | 94915 | 05085 | 92501 | **26 oo** |
| 10 | 88576 | 96079 | 03921 | 92497 | 90 |
| 20 | 89736 | 97242 | 02758 | 92493 | 80 |
| 30 | 90895 | 98405 | 01595 | 92489 | 70 |
| 40 | 92053 | 99568 | 00432 | 92485 | 60 |
| 50 | 93212 | ∗00731 | ∗99269 | 92481 | 50 |
| 60 | 94370 | ∗01893 | ∗98107 | 92477 | 40 |
| 70 | 95528 | ∗03055 | ∗96945 | 92473 | 30 |
| 80 | 96685 | ∗04216 | ∗95784 | 92469 | 20 |
| 90 | 97843 | ∗05378 | ∗94622 | 92465 | 10 |
| **75 oo** | 99000 | ∗06539 | ∗93461 | 92461 | **25 oo** |
| | **8.76** | ∗**8.77** | ∗**1.22** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $96^g$ |
| | 1157 | 1161 | 1161 | 4 | |

| $3^g$ | 1157 | 1161 | 1161 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**8.76** | **8.77** | **1.22** | **9.99** | |
| **75 oo** | ∗99000 | 06539 | 93461 | 92461 | **25 oo** |
| 10 | 00156 | 07699 | 92301 | 92457 | 90 |
| 20 | 01313 | 08860 | 91140 | 92453 | 80 |
| 30 | 02469 | 10020 | 89980 | 92449 | 70 |
| 40 | 03624 | 11179 | 88821 | 92445 | 60 |
| 50 | 04780 | 12339 | 87661 | 92441 | 50 |
| 60 | 05935 | 13498 | 86502 | 92437 | 40 |
| 70 | 07090 | 14657 | 85343 | 92433 | 30 |
| 80 | 08244 | 15815 | 84185 | 92429 | 20 |
| 90 | 09398 | 16973 | 83027 | 92425 | 10 |
| **76 oo** | 10552 | 18131 | 81869 | 92421 | **24 oo** |
| 10 | 11706 | 19289 | 80711 | 92417 | 90 |
| 20 | 12859 | 20446 | 79554 | 92413 | 80 |
| 30 | 14012 | 21603 | 78397 | 92409 | 70 |
| 40 | 15164 | 22760 | 77240 | 92405 | 60 |
| 50 | 16317 | 23916 | 76084 | 92401 | 50 |
| 60 | 17469 | 25072 | 74928 | 92397 | 40 |
| 70 | 18620 | 26228 | 73772 | 92393 | 30 |
| 80 | 19772 | 27383 | 72617 | 92389 | 20 |
| 90 | 20923 | 28538 | 71462 | 92384 | 10 |
| **77 oo** | 22074 | 29693 | 70307 | 92380 | **23 oo** |
| 10 | 23224 | 30848 | 69152 | 92376 | 90 |
| 20 | 24374 | 32002 | 67998 | 92372 | 80 |
| 30 | 25524 | 33156 | 66844 | 92368 | 70 |
| 40 | 26674 | 34309 | 65691 | 92364 | 60 |
| 50 | 27823 | 35463 | 64537 | 92360 | 50 |
| 60 | 28972 | 36616 | 63384 | 92356 | 40 |
| 70 | 30121 | 37768 | 62232 | 92352 | 30 |
| 80 | 31269 | 38921 | 61079 | 92348 | 20 |
| 90 | 32417 | 40073 | 59927 | 92344 | 10 |
| **78 oo** | 33565 | 41225 | 58775 | 92340 | **22 oo** |
| 10 | 34712 | 42376 | 57624 | 92336 | 90 |
| 20 | 35859 | 43527 | 56473 | 92332 | 80 |
| 30 | 37006 | 44678 | 55322 | 92328 | 70 |
| 40 | 38152 | 45829 | 54171 | 92324 | 60 |
| 50 | 39299 | 46979 | 53021 | 92320 | 50 |
| 60 | 40445 | 48129 | 51871 | 92316 | 40 |
| 70 | 41590 | 49279 | 50721 | 92312 | 30 |
| 80 | 42736 | 50428 | 49572 | 92307 | 20 |
| 90 | 43880 | 51577 | 48423 | 92303 | 10 |
| **79 oo** | 45025 | 52726 | 47274 | 92299 | **21 oo** |
| 10 | 46170 | 53874 | 46126 | 92295 | 90 |
| 20 | 47314 | 55022 | 44978 | 92291 | 80 |
| 30 | 48457 | 56170 | 43830 | 92287 | 70 |
| 40 | 49601 | 57318 | 42682 | 92283 | 60 |
| 50 | 50744 | 58465 | 41535 | 92279 | 50 |
| 60 | 51887 | 59612 | 40388 | 92275 | 40 |
| 70 | 53030 | 60759 | 39241 | 92271 | 30 |
| 80 | 54172 | 61905 | 38095 | 92267 | 20 |
| 90 | 55314 | 63051 | 36949 | 92263 | 10 |
| **80 oo** | 56455 | 64197 | 35803 | 92259 | **20 oo** |
| | **8.77** | **8.77** | **1.22** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $96^g$ |
| | 1141 | 1146 | 1146 | 5 | |

| | 1174 | 1172 | 1170 | 1167 | 1165 | 1163 | 1161 | 1159 | 1156 | 1154 | 1152 | 1150 | 1148 | 1145 | 1143 | 1141 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 117,4 | 117,2 | 117,0 | 116,7 | 116,5 | 116,3 | 116,1 | 115,9 | 115,6 | 115,4 | 115,2 | 115,0 | 114,8 | 114,5 | 114,3 | 114,1 | 1 |
| 2 | 234,8 | 234,4 | 234,0 | 233,4 | 233,0 | 232,6 | 232,2 | 231,8 | 231,2 | 230,8 | 230,4 | 230,0 | 229,6 | 229,0 | 228,6 | 228,2 | 2 |
| 3 | 352,2 | 351,6 | 351,0 | 350,1 | 349,5 | 348,9 | 348,3 | 347,7 | 346,8 | 346,2 | 345,6 | 345,0 | 344,4 | 343,5 | 342,9 | 342,3 | 3 |
| 4 | 469,6 | 468,8 | 468,0 | 466,8 | 466,0 | 465,2 | 464,4 | 463,6 | 462,4 | 461,6 | 460,8 | 460,0 | 459,2 | 458,0 | 457,2 | 456,4 | 4 |
| 5 | 587,0 | 586,0 | 585,0 | 583,5 | 582,5 | 581,5 | 580,5 | 579,5 | 578,0 | 577,0 | 576,0 | 575,0 | 574,0 | 572,5 | 571,5 | 570,5 | 5 |
| 6 | 704,4 | 703,2 | 702,0 | 700,2 | 699,0 | 697,8 | 696,6 | 695,4 | 693,6 | 692,4 | 691,2 | 690,0 | 688,8 | 687,0 | 685,8 | 684,6 | 6 |
| 7 | 821,8 | 820,4 | 819,0 | 816,9 | 815,5 | 814,1 | 812,7 | 811,3 | 809,2 | 807,8 | 806,4 | 805,0 | 803,6 | 801,5 | 800,1 | 798,7 | 7 |
| 8 | 939,2 | 937,6 | 936,0 | 933,6 | 932,0 | 930,4 | 928,8 | 927,2 | 924,8 | 923,2 | 921,6 | 920,0 | 918,4 | 916,0 | 914,4 | 912,8 | 8 |
| 9 | 1056,6 | 1054,8 | 1053,0 | 1050,3 | 1048,5 | 1046,7 | 1044,9 | 1043,1 | 1040,4 | 1038,6 | 1036,8 | 1035,0 | 1033,2 | 1030,5 | 1028,7 | 1026,9 | 9 |

| $3^g$ | 1142 | 1145 | 1145 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.77** | **8.77** | **1.22** | **9.99** | |
| **80 oo** | 56455 | 64197 | 35803 | 92259 | **20 oo** |
| 10 | 57597 | 65342 | 34658 | 92255 | 90 |
| 20 | 58738 | 66487 | 33513 | 92250 | 80 |
| 30 | 59879 | 67632 | 32368 | 92246 | 70 |
| 40 | 61019 | 68777 | 31223 | 92242 | 60 |
| 50 | 62159 | 69921 | 30079 | 92238 | 50 |
| 60 | 63299 | 71065 | 28935 | 92234 | 40 |
| 70 | 64439 | 72209 | 27791 | 92230 | 30 |
| 80 | 65578 | 73352 | 26648 | 92226 | 20 |
| 90 | 66717 | 74495 | 25505 | 92222 | 10 |
| **81 oo** | 67856 | 75638 | 24362 | 92218 | **19 oo** |
| 10 | 68994 | 76780 | 23220 | 92214 | 90 |
| 20 | 70132 | 77923 | 22077 | 92210 | 80 |
| 30 | 71270 | 79064 | 20936 | 92206 | 70 |
| 40 | 72407 | 80206 | 19794 | 92201 | 60 |
| 50 | 73545 | 81347 | 18653 | 92197 | 50 |
| 60 | 74681 | 82488 | 17512 | 92193 | 40 |
| 70 | 75818 | 83629 | 16371 | 92189 | 30 |
| 80 | 76954 | 84769 | 15231 | 92185 | 20 |
| 90 | 78090 | 85909 | 14091 | 92181 | 10 |
| **82 oo** | 79226 | 87049 | 12951 | 92177 | **18 oo** |
| 10 | 80361 | 88189 | 11811 | 92173 | 90 |
| 20 | 81496 | 89328 | 10672 | 92169 | 80 |
| 30 | 82631 | 90467 | 09533 | 92165 | 70 |
| 40 | 83766 | 91605 | 08395 | 92160 | 60 |
| 50 | 84900 | 92744 | 07256 | 92156 | 50 |
| 60 | 86034 | 93882 | 06118 | 92152 | 40 |
| 70 | 87167 | 95019 | 04981 | 92148 | 30 |
| 80 | 88301 | 96157 | 03843 | 92144 | 20 |
| 90 | 89434 | 97294 | 02706 | 92140 | 10 |
| **83 oo** | 90566 | 98431 | 01569 | 92136 | **17 oo** |
| 10 | 91699 | 99567 | 00433 | 92132 | 90 |
| 20 | 92831 | *00703 | *99297 | 92128 | 80 |
| 30 | 93963 | *01839 | *98161 | 92123 | 70 |
| 40 | 95094 | *02975 | *97025 | 92119 | 60 |
| 50 | 96225 | *04110 | *95890 | 92115 | 50 |
| 60 | 97356 | *05245 | *94755 | 92111 | 40 |
| 70 | 98487 | *06380 | *93620 | 92107 | 30 |
| 80 | 99617 | *07514 | *92486 | 92103 | 20 |
| 90 | *00747 | *08649 | *91351 | 92099 | 10 |
| **84 oo** | *01877 | *09783 | *90217 | 92095 | **16 oo** |
| 10 | *03007 | *10916 | *89084 | 92091 | 90 |
| 20 | *04136 | *12049 | *87951 | 92086 | 80 |
| 30 | *05265 | *13182 | *86818 | 92082 | 70 |
| 40 | *06393 | *14315 | *85685 | 92078 | 60 |
| 50 | *07522 | *15447 | *84553 | 92074 | 50 |
| 60 | *08649 | *16580 | *83420 | 92070 | 40 |
| 70 | *09777 | *17711 | *82289 | 92066 | 30 |
| 80 | *10905 | *18843 | *81157 | 92062 | 20 |
| 90 | *12032 | *19974 | *80026 | 92058 | 10 |
| **85 oo** | *13158 | *21105 | *78895 | 92053 | **15 oo** |
| | ***8.78** | ***8.78** | ***1.21** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $96^g$ |
| | 1126 | 1131 | 1131 | 5 | |

| $3^g$ | 1127 | 1131 | 1131 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.78** | **8.78** | **1.21** | **9.99** | |
| **85 oo** | 13158 | 21105 | 78895 | 92053 | **15 oo** |
| 10 | 14285 | 22236 | 77764 | 92049 | 90 |
| 20 | 15411 | 23366 | 76634 | 92045 | 80 |
| 30 | 16537 | 24496 | 75504 | 92041 | 70 |
| 40 | 17663 | 25626 | 74374 | 92037 | 60 |
| 50 | 18788 | 26755 | 73245 | 92033 | 50 |
| 60 | 19913 | 27885 | 72115 | 92029 | 40 |
| 70 | 21038 | 29013 | 70987 | 92024 | 30 |
| 80 | 22162 | 30142 | 69858 | 92020 | 20 |
| 90 | 23287 | 31270 | 68730 | 92016 | 10 |
| **86 oo** | 24410 | 32398 | 67602 | 92012 | **14 oo** |
| 10 | 25534 | 33526 | 66474 | 92008 | 90 |
| 20 | 26657 | 34654 | 65346 | 92004 | 80 |
| 30 | 27780 | 35781 | 64219 | 92000 | 70 |
| 40 | 28903 | 36908 | 63092 | 91995 | 60 |
| 50 | 30026 | 38034 | 61966 | 91991 | 50 |
| 60 | 31148 | 39160 | 60840 | 91987 | 40 |
| 70 | 32269 | 40286 | 59714 | 91983 | 30 |
| 80 | 33391 | 41412 | 58588 | 91979 | 20 |
| 90 | 34512 | 42538 | 57462 | 91975 | 10 |
| **87 oo** | 35633 | 43663 | 56337 | 91971 | **13 oo** |
| 10 | 36754 | 44788 | 55212 | 91966 | 90 |
| 20 | 37874 | 45912 | 54088 | 91962 | 80 |
| 30 | 38994 | 47036 | 52964 | 91958 | 70 |
| 40 | 40114 | 48160 | 51840 | 91954 | 60 |
| 50 | 41234 | 49284 | 50716 | 91950 | 50 |
| 60 | 42353 | 50407 | 49593 | 91946 | 40 |
| 70 | 43472 | 51530 | 48470 | 91941 | 30 |
| 80 | 44591 | 52653 | 47347 | 91937 | 20 |
| 90 | 45709 | 53776 | 46224 | 91933 | 10 |
| **88 oo** | 46827 | 54898 | 45102 | 91929 | **12 oo** |
| 10 | 47945 | 56020 | 43980 | 91925 | 90 |
| 20 | 49062 | 57142 | 42858 | 91921 | 80 |
| 30 | 50180 | 58263 | 41737 | 91917 | 70 |
| 40 | 51296 | 59384 | 40616 | 91912 | 60 |
| 50 | 52413 | 60505 | 39495 | 91908 | 50 |
| 60 | 53529 | 61625 | 38375 | 91904 | 40 |
| 70 | 54645 | 62746 | 37254 | 91900 | 30 |
| 80 | 55761 | 63866 | 36134 | 91896 | 20 |
| 90 | 56877 | 64985 | 35015 | 91892 | 10 |
| **89 oo** | 57992 | 66105 | 33895 | 91887 | **11 oo** |
| 10 | 59107 | 67224 | 32776 | 91883 | 90 |
| 20 | 60221 | 68342 | 31658 | 91879 | 80 |
| 30 | 61336 | 69461 | 30539 | 91875 | 70 |
| 40 | 62450 | 70579 | 29421 | 91871 | 60 |
| 50 | 63564 | 71697 | 28303 | 91866 | 50 |
| 60 | 64677 | 72815 | 27185 | 91862 | 40 |
| 70 | 65790 | 73932 | 26068 | 91858 | 30 |
| 80 | 66903 | 75049 | 24951 | 91854 | 20 |
| 90 | 68016 | 76166 | 23834 | 91850 | 10 |
| **90 oo** | 69128 | 77283 | 22717 | 91846 | **10 oo** |
| | **8.78** | **8.78** | **1.21** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $96^g$ |
| | 1112 | 1117 | 1117 | 5 | |

| | 1145 | 1143 | 1141 | 1139 | 1137 | 1135 | 1133 | 1131 | 1129 | 1127 | 1125 | 1123 | 1121 | 1119 | 1117 | 1115 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 114,5 | 114,3 | 114,1 | 113,9 | 113,7 | 113,5 | 113,3 | 113,1 | 112,9 | 112,7 | 112,5 | 112,3 | 112,1 | 111,9 | 111,7 | 111,5 | 1 |
| 2 | 229,0 | 228,6 | 228,2 | 227,8 | 227,4 | 227,0 | 226,6 | 226,2 | 225,8 | 225,4 | 225,0 | 224,6 | 224,2 | 223,8 | 223,4 | 223,0 | 2 |
| 3 | 343,5 | 342,9 | 342,3 | 341,7 | 341,1 | 340,5 | 339,9 | 339,3 | 338,7 | 338,1 | 337,5 | 336,9 | 336,3 | 335,7 | 335,1 | 334,5 | 3 |
| 4 | 458,0 | 457,2 | 456,4 | 455,6 | 454,8 | 454,0 | 453,2 | 452,4 | 451,6 | 450,8 | 450,0 | 449,2 | 448,4 | 447,6 | 446,8 | 446,0 | 4 |
| 5 | 572,5 | 571,5 | 570,5 | 569,5 | 568,5 | 567,5 | 566,5 | 565,5 | 564,5 | 563,5 | 562,5 | 561,5 | 560,5 | 559,5 | 558,5 | 557,5 | 5 |
| 6 | 687,0 | 685,8 | 684,6 | 683,4 | 682,2 | 681,0 | 679,8 | 678,6 | 677,4 | 676,2 | 675,0 | 673,8 | 672,6 | 671,4 | 670,2 | 669,0 | 6 |
| 7 | 801,5 | 800,1 | 798,7 | 797,3 | 795,9 | 794,5 | 793,1 | 791,7 | 790,3 | 788,9 | 787,5 | 786,1 | 784,7 | 783,3 | 781,9 | 780,5 | 7 |
| 8 | 916,0 | 914,4 | 912,8 | 911,2 | 909,6 | 908,0 | 906,4 | 904,8 | 903,2 | 901,6 | 900,0 | 898,4 | 896,8 | 895,2 | 893,6 | 892,0 | 8 |
| 9 | 1030,5 | 1028,7 | 1026,9 | 1025,1 | 1023,3 | 1021,5 | 1019,7 | 1017,9 | 1016,1 | 1014,3 | 1012,5 | 1010,7 | 1008,9 | 1007,1 | 1005,3 | 1003,5 | 9 |

| 3g | 1112 | 1116 | 1116 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.78** | ∗**8.78** | ∗**1.21** | **9.99** | |
| **90 oo** | 69128 | ∗77283 | ∗22717 | 91846 | **10 oo** |
| 10 | 70240 | ∗78399 | ∗21601 | 91841 | 90 |
| 20 | 71352 | ∗79515 | ∗20485 | 91837 | 80 |
| 30 | 72463 | ∗80630 | ∗19370 | 91833 | 70 |
| 40 | 73574 | ∗81746 | ∗18254 | 91829 | 60 |
| 50 | 74685 | ∗82861 | ∗17139 | 91825 | 50 |
| 60 | 75796 | ∗83976 | ∗16024 | 91820 | 40 |
| 70 | 76906 | ∗85090 | ∗14910 | 91816 | 30 |
| 80 | 78016 | ∗86204 | ∗13796 | 91812 | 20 |
| 90 | 79126 | ∗87318 | ∗12682 | 91808 | 10 |
| **91 oo** | 80236 | ∗88432 | ∗11568 | 91804 | **09 oo** |
| 10 | 81345 | ∗89545 | ∗10455 | 91799 | 90 |
| 20 | 82454 | ∗90658 | ∗09342 | 91795 | 80 |
| 30 | 83562 | ∗91771 | ∗08229 | 91791 | 70 |
| 40 | 84671 | ∗92884 | ∗07116 | 91787 | 60 |
| 50 | 85779 | ∗93996 | ∗06004 | 91783 | 50 |
| 60 | 86886 | ∗95108 | ∗04892 | 91778 | 40 |
| 70 | 87994 | ∗96220 | ∗03780 | 91774 | 30 |
| 80 | 89101 | ∗97331 | ∗02669 | 91770 | 20 |
| 90 | 90208 | ∗98442 | ∗01558 | 91766 | 10 |
| **92 oo** | 91315 | ∗99553 | ∗00447 | 91762 | **08 oo** |
| 10 | 92421 | 00664 | 99336 | 91757 | 90 |
| 20 | 93527 | 01774 | 98226 | 91753 | 80 |
| 30 | 94633 | 02884 | 97116 | 91749 | 70 |
| 40 | 95738 | 03994 | 96006 | 91745 | 60 |
| 50 | 96844 | 05103 | 94897 | 91741 | 50 |
| 60 | 97949 | 06212 | 93788 | 91736 | 40 |
| 70 | 99053 | 07321 | 92679 | 91732 | 30 |
| 80 | ∗00158 | 08430 | 91570 | 91728 | 20 |
| 90 | ∗01262 | 09538 | 90462 | 91724 | 10 |
| **93 oo** | ∗02366 | 10646 | 89354 | 91720 | **07 oo** |
| 10 | ∗03469 | 11754 | 88246 | 91715 | 90 |
| 20 | ∗04572 | 12861 | 87139 | 91711 | 80 |
| 30 | ∗05675 | 13968 | 86032 | 91707 | 70 |
| 40 | ∗06778 | 15075 | 84925 | 91703 | 60 |
| 50 | ∗07880 | 16182 | 83818 | 91698 | 50 |
| 60 | ∗08982 | 17288 | 82712 | 91694 | 40 |
| 70 | ∗10084 | 18394 | 81606 | 91690 | 30 |
| 80 | ∗11186 | 19500 | 80500 | 91686 | 20 |
| 90 | ∗12287 | 20606 | 79394 | 91682 | 10 |
| **94 oo** | ∗13388 | 21711 | 78289 | 91677 | **06 oo** |
| 10 | ∗14489 | 22816 | 77184 | 91673 | 90 |
| 20 | ∗15589 | 23920 | 76080 | 91669 | 80 |
| 30 | ∗16690 | 25025 | 74975 | 91665 | 70 |
| 40 | ∗17789 | 26129 | 73871 | 91660 | 60 |
| 50 | ∗18889 | 27233 | 72767 | 91656 | 50 |
| 60 | ∗19988 | 28336 | 71664 | 91652 | 40 |
| 70 | ∗21087 | 29440 | 70560 | 91648 | 30 |
| 80 | ∗22186 | 30543 | 69457 | 91643 | 20 |
| 90 | ∗23285 | 31645 | 68355 | 91639 | 10 |
| **95 oo** | ∗24383 | 32748 | 67252 | 91635 | **05 oo** |
| | ∗**8.79** | **8.79** | **1.20** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 96g |
| | 1098 | 1102 | 1102 | 5 | |

| 3g | 1098 | 1102 | 1102 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.79** | **8.79** | **1.20** | **9.99** | |
| **95 oo** | 24383 | 32748 | 67252 | 91635 | **05 oo** |
| 10 | 25481 | 33850 | 66150 | 91631 | 90 |
| 20 | 26578 | 34952 | 65048 | 91626 | 80 |
| 30 | 27676 | 36054 | 63946 | 91622 | 70 |
| 40 | 28773 | 37155 | 62845 | 91618 | 60 |
| 50 | 29870 | 38256 | 61744 | 91614 | 50 |
| 60 | 30966 | 39357 | 60643 | 91610 | 40 |
| 70 | 32062 | 40457 | 59543 | 91605 | 30 |
| 80 | 33158 | 41557 | 58443 | 91601 | 20 |
| 90 | 34254 | 42657 | 57343 | 91597 | 10 |
| **96 oo** | 35350 | 43757 | 56243 | 91593 | **04 oo** |
| 10 | 36445 | 44856 | 55144 | 91588 | 90 |
| 20 | 37540 | 45956 | 54044 | 91584 | 80 |
| 30 | 38634 | 47054 | 52946 | 91580 | 70 |
| 40 | 39729 | 48153 | 51847 | 91576 | 60 |
| 50 | 40823 | 49251 | 50749 | 91571 | 50 |
| 60 | 41916 | 50349 | 49651 | 91567 | 40 |
| 70 | 43010 | 51447 | 48553 | 91563 | 30 |
| 80 | 44103 | 52545 | 47455 | 91559 | 20 |
| 90 | 45196 | 53642 | 46358 | 91554 | 10 |
| **97 oo** | 46289 | 54739 | 45261 | 91550 | **03 oo** |
| 10 | 47381 | 55835 | 44165 | 91546 | 90 |
| 20 | 48473 | 56932 | 43068 | 91541 | 80 |
| 30 | 49565 | 58028 | 41972 | 91537 | 70 |
| 40 | 50657 | 59124 | 40876 | 91533 | 60 |
| 50 | 51748 | 60219 | 39781 | 91529 | 50 |
| 60 | 52839 | 61314 | 38686 | 91524 | 40 |
| 70 | 53930 | 62409 | 37591 | 91520 | 30 |
| 80 | 55020 | 63504 | 36496 | 91516 | 20 |
| 90 | 56110 | 64599 | 35401 | 91512 | 10 |
| **98 oo** | 57200 | 65693 | 34307 | 91507 | **02 oo** |
| 10 | 58290 | 66787 | 33213 | 91503 | 90 |
| 20 | 59379 | 67880 | 32120 | 91499 | 80 |
| 30 | 60468 | 68974 | 31026 | 91495 | 70 |
| 40 | 61557 | 70067 | 29933 | 91490 | 60 |
| 50 | 62646 | 71160 | 28840 | 91486 | 50 |
| 60 | 63734 | 72252 | 27748 | 91482 | 40 |
| 70 | 64822 | 73344 | 26656 | 91477 | 30 |
| 80 | 65909 | 74436 | 25564 | 91473 | 20 |
| 90 | 66997 | 75528 | 24472 | 91469 | 10 |
| **99 oo** | 68084 | 76619 | 23381 | 91465 | **01 oo** |
| 10 | 69171 | 77711 | 22289 | 91460 | 90 |
| 20 | 70258 | 78802 | 21198 | 91456 | 80 |
| 30 | 71344 | 79892 | 20108 | 91452 | 70 |
| 40 | 72430 | 80983 | 19017 | 91447 | 60 |
| 50 | 73516 | 82073 | 17927 | 91443 | 50 |
| 60 | 74601 | 83162 | 16838 | 91439 | 40 |
| 70 | 75687 | 84252 | 15748 | 91435 | 30 |
| 80 | 76772 | 85341 | 14659 | 91430 | 20 |
| 90 | 77856 | 86430 | 13570 | 91426 | 10 |
| **100 oo** | 78941 | 87519 | 12481 | 91422 | **00 oo** |
| | **8.79** | **8.79** | **1.20** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 96g |
| | 1084 | 1089 | 1089 | 5 | |

| | 1114 | 1112 | 1110 | 1108 | 1106 | 1104 | 1102 | 1100 | 1098 | 1096 | 1094 | 1092 | 1090 | 1088 | 1086 | 1084 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 111,4 | 111,2 | 111,0 | 110,8 | 110,6 | 110,4 | 110,2 | 110,0 | 109,8 | 109,6 | 109,4 | 109,2 | 109,0 | 108,8 | 108,6 | 108,4 | 1 |
| 2 | 222,8 | 222,4 | 222,0 | 221,6 | 221,2 | 220,8 | 220,4 | 220,0 | 219,6 | 219,2 | 218,8 | 218,4 | 218,0 | 217,6 | 217,2 | 216,8 | 2 |
| 3 | 334,2 | 333,6 | 333,0 | 332,4 | 331,8 | 331,2 | 330,6 | 330,0 | 329,4 | 328,8 | 328,2 | 327,6 | 327,0 | 326,4 | 325,8 | 325,2 | 3 |
| 4 | 445,6 | 444,8 | 444,0 | 443,2 | 442,4 | 441,6 | 440,8 | 440,0 | 439,2 | 438,4 | 437,6 | 436,8 | 436,0 | 435,2 | 434,4 | 433,6 | 4 |
| 5 | 557,0 | 556,0 | 555,0 | 554,0 | 553,0 | 552,0 | 551,0 | 550,0 | 549,0 | 548,0 | 547,0 | 546,0 | 545,0 | 544,0 | 543,0 | 542,0 | 5 |
| 6 | 668,4 | 667,2 | 666,0 | 664,8 | 663,6 | 662,4 | 661,2 | 660,0 | 658,8 | 657,6 | 656,4 | 655,2 | 654,0 | 652,8 | 651,6 | 650,4 | 6 |
| 7 | 779,8 | 778,4 | 777,0 | 775,6 | 774,2 | 772,8 | 771,4 | 770,0 | 768,6 | 767,2 | 765,8 | 764,4 | 763,0 | 761,6 | 760,2 | 758,8 | 7 |
| 8 | 891,2 | 889,6 | 888,0 | 886,4 | 884,8 | 883,2 | 881,6 | 880,0 | 878,4 | 876,8 | 875,2 | 873,6 | 872,0 | 870,4 | 868,8 | 867,2 | 8 |
| 9 | 1002,6 | 1000,8 | 999,0 | 997,2 | 995,4 | 993,6 | 991,8 | 990,0 | 988,2 | 986,4 | 984,6 | 982,8 | 981,0 | 979,2 | 977,4 | 975,6 | 9 |

| 4g | 1084 | 1089 | 1089 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *8.79 | *8.79 | *1.20 | 9.99 | |
| 00 oo | *78941 | *87519 | *12481 | 91422 | 100 oo |
| 10 | *80025 | *88608 | *11392 | 91417 | 90 |
| 20 | *81109 | *89696 | *10304 | 91413 | 80 |
| 30 | *82192 | *90784 | *09216 | 91409 | 70 |
| 40 | *83276 | *91871 | *08129 | 91405 | 60 |
| 50 | *84359 | *92959 | *07041 | 91400 | 50 |
| 60 | *85442 | *94046 | *05954 | 91396 | 40 |
| 70 | *86524 | *95133 | *04867 | 91392 | 30 |
| 80 | *87607 | *96219 | *03781 | 91387 | 20 |
| 90 | *88689 | *97305 | *02695 | 91383 | 10 |
| 01 oo | *89770 | *98392 | *01608 | 91379 | 99 oo |
| 10 | *90852 | *99477 | *00523 | 91374 | 90 |
| 20 | *91933 | 00563 | 99437 | 91370 | 80 |
| 30 | *93014 | 01648 | 98352 | 91366 | 70 |
| 40 | *94094 | 02733 | 97267 | 91362 | 60 |
| 50 | *95175 | 03818 | 96182 | 91357 | 50 |
| 60 | *96255 | 04902 | 95098 | 91353 | 40 |
| 70 | *97335 | 05986 | 94014 | 91349 | 30 |
| 80 | *98414 | 07070 | 92930 | 91344 | 20 |
| 90 | *99494 | 08154 | 91846 | 91340 | 10 |
| 02 oo | 00573 | 09237 | 90763 | 91336 | 98 oo |
| 10 | 01651 | 10320 | 89680 | 91331 | 90 |
| 20 | 02730 | 11403 | 88597 | 91327 | 80 |
| 30 | 03808 | 12485 | 87515 | 91323 | 70 |
| 40 | 04886 | 13568 | 86432 | 91318 | 60 |
| 50 | 05964 | 14650 | 85350 | 91314 | 50 |
| 60 | 07041 | 15732 | 84268 | 91310 | 40 |
| 70 | 08118 | 16813 | 83187 | 91305 | 30 |
| 80 | 09195 | 17894 | 82106 | 91301 | 20 |
| 90 | 10272 | 18975 | 81025 | 91297 | 10 |
| 03 oo | 11348 | 20056 | 79944 | 91292 | 97 oo |
| 10 | 12424 | 21136 | 78864 | 91288 | 90 |
| 20 | 13500 | 22216 | 77784 | 91284 | 80 |
| 30 | 14576 | 23296 | 76704 | 91280 | 70 |
| 40 | 15651 | 24376 | 75624 | 91275 | 60 |
| 50 | 16726 | 25455 | 74545 | 91271 | 50 |
| 60 | 17801 | 26534 | 73466 | 91267 | 40 |
| 70 | 18875 | 27613 | 72387 | 91262 | 30 |
| 80 | 19949 | 28692 | 71308 | 91258 | 20 |
| 90 | 21023 | 29770 | 70230 | 91254 | 10 |
| 04 oo | 22097 | 30848 | 69152 | 91249 | 96 oo |
| 10 | 23170 | 31926 | 68074 | 91245 | 90 |
| 20 | 24244 | 33003 | 66997 | 91241 | 80 |
| 30 | 25316 | 34080 | 65920 | 91236 | 70 |
| 40 | 26389 | 35157 | 64843 | 91232 | 60 |
| 50 | 27461 | 36234 | 63766 | 91227 | 50 |
| 60 | 28534 | 37310 | 62690 | 91223 | 40 |
| 70 | 29605 | 38387 | 61613 | 91219 | 30 |
| 80 | 30677 | 39462 | 60538 | 91214 | 20 |
| 90 | 31748 | 40538 | 59462 | 91210 | 10 |
| 05 oo | 32819 | 41613 | 58387 | 91206 | 95 oo |
| | 8.80 | 8.80 | 1.19 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 95g |
| | 1071 | 1075 | 1075 | 5 | |

| 4g | 1071 | 1075 | 1075 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 8.80 | 8.80 | 1.19 | 9.99 | |
| 05 oo | 32819 | 41613 | 58387 | 91206 | 95 oo |
| 10 | 33890 | 42688 | 57312 | 91201 | 90 |
| 20 | 34960 | 43763 | 56237 | 91197 | 80 |
| 30 | 36031 | 44838 | 55162 | 91193 | 70 |
| 40 | 37101 | 45912 | 54088 | 91188 | 60 |
| 50 | 38170 | 46986 | 53014 | 91184 | 50 |
| 60 | 39240 | 48060 | 51940 | 91180 | 40 |
| 70 | 40309 | 49134 | 50866 | 91175 | 30 |
| 80 | 41378 | 50207 | 49793 | 91171 | 20 |
| 90 | 42446 | 51280 | 48720 | 91167 | 10 |
| 06 oo | 43515 | 52353 | 47647 | 91162 | 94 oo |
| 10 | 44583 | 53425 | 46575 | 91158 | 90 |
| 20 | 45651 | 54497 | 45503 | 91154 | 80 |
| 30 | 46718 | 55569 | 44431 | 91149 | 70 |
| 40 | 47786 | 56641 | 43359 | 91145 | 60 |
| 50 | 48853 | 57712 | 42288 | 91140 | 50 |
| 60 | 49919 | 58783 | 41217 | 91136 | 40 |
| 70 | 50986 | 59854 | 40146 | 91132 | 30 |
| 80 | 52052 | 60925 | 39075 | 91127 | 20 |
| 90 | 53118 | 61995 | 38005 | 91123 | 10 |
| 07 oo | 54184 | 63065 | 36935 | 91119 | 93 oo |
| 10 | 55250 | 64135 | 35865 | 91114 | 90 |
| 20 | 56315 | 65205 | 34795 | 91110 | 80 |
| 30 | 57380 | 66274 | 33726 | 91106 | 70 |
| 40 | 58444 | 67343 | 32657 | 91101 | 60 |
| 50 | 59509 | 68412 | 31588 | 91097 | 50 |
| 60 | 60573 | 69481 | 30519 | 91092 | 40 |
| 70 | 61637 | 70549 | 29451 | 91088 | 30 |
| 80 | 62701 | 71617 | 28383 | 91084 | 20 |
| 90 | 63764 | 72685 | 27315 | 91079 | 10 |
| 08 oo | 64827 | 73752 | 26248 | 91075 | 92 oo |
| 10 | 65890 | 74819 | 25181 | 91071 | 90 |
| 20 | 66952 | 75886 | 24114 | 91066 | 80 |
| 30 | 68015 | 76953 | 23047 | 91062 | 70 |
| 40 | 69077 | 78019 | 21981 | 91057 | 60 |
| 50 | 70139 | 79086 | 20914 | 91053 | 50 |
| 60 | 71200 | 80152 | 19848 | 91049 | 40 |
| 70 | 72262 | 81217 | 18783 | 91044 | 30 |
| 80 | 73323 | 82283 | 17717 | 91040 | 20 |
| 90 | 74383 | 83348 | 16652 | 91035 | 10 |
| 09 oo | 75444 | 84413 | 15587 | 91031 | 91 oo |
| 10 | 76504 | 85477 | 14523 | 91027 | 90 |
| 20 | 77564 | 86542 | 13458 | 91022 | 80 |
| 30 | 78624 | 87606 | 12394 | 91018 | 70 |
| 40 | 79683 | 88670 | 11330 | 91014 | 60 |
| 50 | 80743 | 89733 | 10267 | 91009 | 50 |
| 60 | 81801 | 90797 | 09203 | 91005 | 40 |
| 70 | 82860 | 91860 | 08140 | 91000 | 30 |
| 80 | 83919 | 92923 | 07077 | 90996 | 20 |
| 90 | 84977 | 93985 | 06015 | 90992 | 10 |
| 10 oo | 86035 | 95048 | 04952 | 90987 | 90 oo |
| | 8.80 | 8.80 | 1.19 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 95g |
| | 1058 | 1062 | 1062 | 5 | |

| | 1089 | 1087 | 1085 | 1084 | 1082 | 1080 | 1078 | 1076 | 1075 | 1073 | 1071 | 1069 | 1067 | 1066 | 1064 | 1062 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 108,9 | 108,7 | 108,5 | 108,4 | 108,2 | 108,0 | 107,8 | 107,6 | 107,5 | 107,3 | 107,1 | 106,9 | 106,7 | 106,6 | 106,4 | 106,2 | 1 |
| 2 | 217,8 | 217,4 | 217,0 | 216,8 | 216,4 | 216,0 | 215,6 | 215,2 | 215,0 | 214,6 | 214,2 | 213,8 | 213,4 | 213,2 | 212,8 | 212,4 | 2 |
| 3 | 326,7 | 326,1 | 325,5 | 325,2 | 324,6 | 324,0 | 323,4 | 322,8 | 322,5 | 321,9 | 321,3 | 320,7 | 320,1 | 319,8 | 319,2 | 318,6 | 3 |
| 4 | 435,6 | 434,8 | 434,0 | 433,6 | 432,8 | 432,0 | 431,2 | 430,4 | 430,0 | 429,2 | 428,4 | 427,6 | 426,8 | 426,4 | 425,6 | 424,8 | 4 |
| 5 | 544,5 | 543,5 | 542,5 | 542,0 | 541,0 | 540,0 | 539,0 | 538,0 | 537,5 | 536,5 | 535,5 | 534,5 | 533,5 | 533,0 | 532,0 | 531,0 | 5 |
| 6 | 653,4 | 652,2 | 651,0 | 650,4 | 649,2 | 648,0 | 646,8 | 645,6 | 645,0 | 643,8 | 642,6 | 641,4 | 640,2 | 639,6 | 638,4 | 637,2 | 6 |
| 7 | 762,3 | 760,9 | 759,5 | 758,8 | 757,4 | 756,0 | 754,6 | 753,2 | 752,5 | 751,1 | 749,7 | 748,3 | 746,9 | 746,2 | 744,8 | 743,4 | 7 |
| 8 | 871,2 | 869,6 | 868,0 | 867,2 | 865,6 | 864,0 | 862,4 | 860,8 | 860,0 | 858,4 | 856,8 | 855,2 | 853,6 | 852,8 | 851,2 | 849,6 | 8 |
| 9 | 980,1 | 978,3 | 976,5 | 975,6 | 973,8 | 972,0 | 970,2 | 968,4 | 967,5 | 965,7 | 963,9 | 962,1 | 960,3 | 959,4 | 957,6 | 955,8 | 9 |

| $4^g$ | 1058 | 1062 | 1062 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**8.80** | ∗**8.80** | ∗**1.19** | **9.99** | |
| **10 oo** | ∗86035 | ∗95048 | ∗04952 | 90987 | **90 oo** |
| 10 | ∗87092 | ∗96110 | ∗03890 | 90983 | 90 |
| 20 | ∗88150 | ∗97171 | ∗02829 | 90978 | 80 |
| 30 | ∗89207 | ∗98233 | ∗01767 | 90974 | 70 |
| 40 | ∗90264 | ∗99294 | ∗00706 | 90970 | 60 |
| 50 | ∗91320 | 00355 | 99645 | 90965 | 50 |
| 60 | ∗92377 | 01416 | 98584 | 90961 | 40 |
| 70 | ∗93433 | 02477 | 97523 | 90956 | 30 |
| 80 | ∗94489 | 03537 | 96463 | 90952 | 20 |
| 90 | ∗95544 | 04597 | 95403 | 90948 | 10 |
| **11 oo** | ∗96600 | 05657 | 94343 | 90943 | **89 oo** |
| 10 | ∗97655 | 06716 | 93284 | 90939 | 90 |
| 20 | ∗98710 | 07775 | 92225 | 90934 | 80 |
| 30 | ∗99764 | 08834 | 91166 | 90930 | 70 |
| 40 | 00818 | 09893 | 90107 | 90925 | 60 |
| 50 | 01873 | 10951 | 89049 | 90921 | 50 |
| 60 | 02926 | 12010 | 87990 | 90917 | 40 |
| 70 | 03980 | 13068 | 86932 | 90912 | 30 |
| 80 | 05033 | 14125 | 85875 | 90908 | 20 |
| 90 | 06086 | 15183 | 84817 | 90903 | 10 |
| **12 oo** | 07139 | 16240 | 83760 | 90899 | **88 oo** |
| 10 | 08191 | 17297 | 82703 | 90895 | 90 |
| 20 | 09244 | 18354 | 81646 | 90890 | 80 |
| 30 | 10296 | 19410 | 80590 | 90886 | 70 |
| 40 | 11347 | 20466 | 79534 | 90881 | 60 |
| 50 | 12399 | 21522 | 78478 | 90877 | 50 |
| 60 | 13450 | 22578 | 77422 | 90872 | 40 |
| 70 | 14501 | 23633 | 76367 | 90868 | 30 |
| 80 | 15552 | 24688 | 75312 | 90864 | 20 |
| 90 | 16602 | 25743 | 74257 | 90859 | 10 |
| **13 oo** | 17653 | 26798 | 73202 | 90855 | **87 oo** |
| 10 | 18703 | 27852 | 72148 | 90850 | 90 |
| 20 | 19752 | 28906 | 71094 | 90846 | 80 |
| 30 | 20802 | 29960 | 70040 | 90841 | 70 |
| 40 | 21851 | 31014 | 68986 | 90837 | 60 |
| 50 | 22900 | 32067 | 67933 | 90833 | 50 |
| 60 | 23948 | 33120 | 66880 | 90828 | 40 |
| 70 | 24997 | 34173 | 65827 | 90824 | 30 |
| 80 | 26045 | 35226 | 64774 | 90819 | 20 |
| 90 | 27093 | 36278 | 63722 | 90815 | 10 |
| **14 oo** | 28141 | 37330 | 62670 | 90810 | **86 oo** |
| 10 | 29188 | 38382 | 61618 | 90806 | 90 |
| 20 | 30235 | 39434 | 60566 | 90801 | 80 |
| 30 | 31282 | 40485 | 59515 | 90797 | 70 |
| 40 | 32329 | 41536 | 58464 | 90793 | 60 |
| 50 | 33375 | 42587 | 57413 | 90788 | 50 |
| 60 | 34421 | 43638 | 56362 | 90784 | 40 |
| 70 | 35467 | 44688 | 55312 | 90779 | 30 |
| 80 | 36513 | 45738 | 54262 | 90775 | 20 |
| 90 | 37558 | 46788 | 53212 | 90770 | 10 |
| **15 oo** | 38603 | 47838 | 52162 | 90766 | **85 oo** |
| | **8.81** | **8.81** | **1.18** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 1045 | 1050 | 1050 | 5 | |

| $4^g$ | 1045 | 1049 | 1049 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.81** | **8.81** | **1.18** | **9.99** | |
| **15 oo** | 38603 | 47838 | 52162 | 90766 | **85 oo** |
| 10 | 39648 | 48887 | 51113 | 90761 | 90 |
| 20 | 40693 | 49936 | 50064 | 90757 | 80 |
| 30 | 41737 | 50985 | 49015 | 90752 | 70 |
| 40 | 42781 | 52033 | 47967 | 90748 | 60 |
| 50 | 43825 | 53082 | 46918 | 90744 | 50 |
| 60 | 44869 | 54130 | 45870 | 90739 | 40 |
| 70 | 45912 | 55178 | 44822 | 90735 | 30 |
| 80 | 46955 | 56225 | 43775 | 90730 | 20 |
| 90 | 47998 | 57273 | 42727 | 90726 | 10 |
| **16 oo** | 49041 | 58320 | 41680 | 90721 | **84 oo** |
| 10 | 50083 | 59367 | 40633 | 90717 | 90 |
| 20 | 51125 | 60413 | 39587 | 90712 | 80 |
| 30 | 52167 | 61459 | 38541 | 90708 | 70 |
| 40 | 53209 | 62505 | 37495 | 90703 | 60 |
| 50 | 54250 | 63551 | 36449 | 90699 | 50 |
| 60 | 55291 | 64597 | 35403 | 90694 | 40 |
| 70 | 56332 | 65642 | 34358 | 90690 | 30 |
| 80 | 57373 | 66687 | 33313 | 90685 | 20 |
| 90 | 58413 | 67732 | 32268 | 90681 | 10 |
| **17 oo** | 59453 | 68777 | 31223 | 90677 | **83 oo** |
| 10 | 60493 | 69821 | 30179 | 90672 | 90 |
| 20 | 61533 | 70865 | 29135 | 90668 | 80 |
| 30 | 62572 | 71909 | 28091 | 90663 | 70 |
| 40 | 63611 | 72953 | 27047 | 90659 | 60 |
| 50 | 64650 | 73996 | 26004 | 90654 | 50 |
| 60 | 65689 | 75039 | 24961 | 90650 | 40 |
| 70 | 66727 | 76082 | 23918 | 90645 | 30 |
| 80 | 67765 | 77124 | 22876 | 90641 | 20 |
| 90 | 68803 | 78167 | 21833 | 90636 | 10 |
| **18 oo** | 69841 | 79209 | 20791 | 90632 | **82 oo** |
| 10 | 70878 | 80251 | 19749 | 90627 | 90 |
| 20 | 71915 | 81292 | 18708 | 90623 | 80 |
| 30 | 72952 | 82334 | 17666 | 90618 | 70 |
| 40 | 73989 | 83375 | 16625 | 90614 | 60 |
| 50 | 75025 | 84416 | 15584 | 90609 | 50 |
| 60 | 76061 | 85456 | 14544 | 90605 | 40 |
| 70 | 77097 | 86497 | 13503 | 90600 | 30 |
| 80 | 78133 | 87537 | 12463 | 90596 | 20 |
| 90 | 79168 | 88577 | 11423 | 90591 | 10 |
| **19 oo** | 80203 | 89616 | 10384 | 90587 | **81 oo** |
| 10 | 81238 | 90656 | 09344 | 90582 | 90 |
| 20 | 82273 | 91695 | 08305 | 90578 | 80 |
| 30 | 83307 | 92734 | 07266 | 90573 | 70 |
| 40 | 84341 | 93772 | 06228 | 90569 | 60 |
| 50 | 85375 | 94811 | 05189 | 90564 | 50 |
| 60 | 86409 | 95849 | 04151 | 90560 | 40 |
| 70 | 87442 | 96887 | 03113 | 90555 | 30 |
| 80 | 88475 | 97924 | 02076 | 90551 | 20 |
| 90 | 89508 | 98962 | 01038 | 90546 | 10 |
| **20 oo** | 90541 | 99999 | 00001 | 90542 | **80 oo** |
| | **8.81** | **8.81** | **1.18** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 1033 | 1037 | 1037 | 5 | |

| | 1060 | 1058 | 1056 | 1055 | 1053 | 1051 | 1049 | 1047 | 1046 | 1044 | 1042 | 1040 | 1038 | 1037 | 1035 | 1033 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 106,0 | 105,8 | 105,6 | 105,5 | 105,3 | 105,1 | 104,9 | 104,7 | 104,6 | 104,4 | 104,2 | 104,0 | 103,8 | 103,7 | 103,5 | 103,3 | 1 |
| 2 | 212,0 | 211,6 | 211,2 | 211,0 | 210,6 | 210,2 | 209,8 | 209,4 | 209,2 | 208,8 | 208,4 | 208,0 | 207,6 | 207,4 | 207,0 | 206,6 | 2 |
| 3 | 318,0 | 317,4 | 316,8 | 316,5 | 315,9 | 315,3 | 314,7 | 314,1 | 313,8 | 313,2 | 312,6 | 312,0 | 311,4 | 311,1 | 310,5 | 309,9 | 3 |
| 4 | 424,0 | 423,2 | 422,4 | 422,0 | 421,2 | 420,4 | 419,6 | 418,8 | 418,4 | 417,6 | 416,8 | 416,0 | 415,2 | 414,8 | 414,0 | 413,2 | 4 |
| 5 | 530,0 | 529,0 | 528,0 | 527,5 | 526,5 | 525,5 | 524,5 | 523,5 | 523,0 | 522,0 | 521,0 | 520,0 | 519,0 | 518,5 | 517,5 | 516,5 | 5 |
| 6 | 636,0 | 634,8 | 633,6 | 633,0 | 631,8 | 630,6 | 629,4 | 628,2 | 627,6 | 626,4 | 625,2 | 624,0 | 622,8 | 622,2 | 621,0 | 619,8 | 6 |
| 7 | 742,0 | 740,6 | 739,2 | 738,5 | 737,1 | 735,7 | 734,3 | 732,9 | 732,2 | 730,8 | 729,4 | 728,0 | 726,6 | 725,9 | 724,5 | 723,1 | 7 |
| 8 | 848,0 | 846,4 | 844,8 | 844,0 | 842,4 | 840,8 | 839,2 | 837,6 | 836,8 | 835,2 | 833,6 | 832,0 | 830,4 | 829,6 | 828,0 | 826,4 | 8 |
| 9 | 954,0 | 952,2 | 950,4 | 949,5 | 947,7 | 945,9 | 944,1 | 942,3 | 941,4 | 939,6 | 937,8 | 936,0 | 934,2 | 933,3 | 931,5 | 929,7 | 9 |

| $4^g$ | 1032 | 1037 | 1037 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**8.81** | ∗**8.81** | ∗**1.18** | **9.99** | |
| **20 oo** | ∗90541 | ∗99999 | ∗00001 | 90542 | **80 oo** |
| 10 | ∗91573 | 01036 | 98964 | 90537 | 90 |
| 20 | ∗92605 | 02073 | 97927 | 90533 | 80 |
| 30 | ∗93637 | 03109 | 96891 | 90528 | 70 |
| 40 | ∗94669 | 04145 | 95855 | 90524 | 60 |
| 50 | ∗95700 | 05181 | 94819 | 90519 | 50 |
| 60 | ∗96732 | 06217 | 93783 | 90515 | 40 |
| 70 | ∗97762 | 07252 | 92748 | 90510 | 30 |
| 80 | ∗98793 | 08287 | 91713 | 90506 | 20 |
| 90 | ∗99824 | 09322 | 90678 | 90501 | 10 |
| **21 oo** | 00854 | 10357 | 89643 | 90497 | **79 oo** |
| 10 | 01884 | 11392 | 88608 | 90492 | 90 |
| 20 | 02913 | 12426 | 87574 | 90488 | 80 |
| 30 | 03943 | 13460 | 86540 | 90483 | 70 |
| 40 | 04972 | 14494 | 85506 | 90479 | 60 |
| 50 | 06001 | 15527 | 84473 | 90474 | 50 |
| 60 | 07030 | 16560 | 83440 | 90470 | 40 |
| 70 | 08058 | 17593 | 82407 | 90465 | 30 |
| 80 | 09087 | 18626 | 81374 | 90461 | 20 |
| 90 | 10115 | 19659 | 80341 | 90456 | 10 |
| **22 oo** | 11142 | 20691 | 79309 | 90451 | **78 oo** |
| 10 | 12170 | 21723 | 78277 | 90447 | 90 |
| 20 | 13197 | 22755 | 77245 | 90442 | 80 |
| 30 | 14224 | 23786 | 76214 | 90438 | 70 |
| 40 | 15251 | 24818 | 75182 | 90433 | 60 |
| 50 | 16277 | 25849 | 74151 | 90429 | 50 |
| 60 | 17304 | 26879 | 73121 | 90424 | 40 |
| 70 | 18330 | 27910 | 72090 | 90420 | 30 |
| 80 | 19355 | 28940 | 71060 | 90415 | 20 |
| 90 | 20381 | 29970 | 70030 | 90411 | 10 |
| **23 oo** | 21406 | 31000 | 69000 | 90406 | **77 oo** |
| 10 | 22431 | 32030 | 67970 | 90402 | 90 |
| 20 | 23456 | 33059 | 66941 | 90397 | 80 |
| 30 | 24481 | 34088 | 65912 | 90392 | 70 |
| 40 | 25505 | 35117 | 64883 | 90388 | 60 |
| 50 | 26529 | 36146 | 63854 | 90383 | 50 |
| 60 | 27553 | 37174 | 62826 | 90379 | 40 |
| 70 | 28577 | 38202 | 61798 | 90374 | 30 |
| 80 | 29600 | 39230 | 60770 | 90370 | 20 |
| 90 | 30623 | 40258 | 59742 | 90365 | 10 |
| **24 oo** | 31646 | 41285 | 58715 | 90361 | **76 oo** |
| 10 | 32669 | 42313 | 57687 | 90356 | 90 |
| 20 | 33691 | 43340 | 56660 | 90352 | 80 |
| 30 | 34713 | 44366 | 55634 | 90347 | 70 |
| 40 | 35735 | 45393 | 54607 | 90342 | 60 |
| 50 | 36757 | 46419 | 53581 | 90338 | 50 |
| 60 | 37778 | 47445 | 52555 | 90333 | 40 |
| 70 | 38800 | 48471 | 51529 | 90329 | 30 |
| 80 | 39821 | 49496 | 50504 | 90324 | 20 |
| 90 | 40841 | 50522 | 49478 | 90320 | 10 |
| **25 oo** | 41862 | 51547 | 48453 | 90315 | **75 oo** |
| | **8.82** | **8.82** | **1.17** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 1020 | 1025 | 1025 | 5 | |

| $4^g$ | 1020 | 1025 | 1025 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.82** | **8.82** | **1.17** | **9.99** | |
| **25 oo** | 41862 | 51547 | 48453 | 90315 | **75 oo** |
| 10 | 42882 | 52571 | 47429 | 90311 | 90 |
| 20 | 43902 | 53596 | 46404 | 90306 | 80 |
| 30 | 44922 | 54620 | 45380 | 90301 | 70 |
| 40 | 45941 | 55644 | 44356 | 90297 | 60 |
| 50 | 46960 | 56668 | 43332 | 90292 | 50 |
| 60 | 47979 | 57692 | 42308 | 90288 | 40 |
| 70 | 48998 | 58715 | 41285 | 90283 | 30 |
| 80 | 50017 | 59738 | 40262 | 90279 | 20 |
| 90 | 51035 | 60761 | 39239 | 90274 | 10 |
| **26 oo** | 52053 | 61784 | 38216 | 90269 | **74 oo** |
| 10 | 53071 | 62806 | 37194 | 90265 | 90 |
| 20 | 54089 | 63828 | 36172 | 90260 | 80 |
| 30 | 55106 | 64850 | 35150 | 90256 | 70 |
| 40 | 56123 | 65872 | 34128 | 90251 | 60 |
| 50 | 57140 | 66893 | 33107 | 90247 | 50 |
| 60 | 58157 | 67915 | 32085 | 90242 | 40 |
| 70 | 59173 | 68936 | 31064 | 90237 | 30 |
| 80 | 60189 | 69956 | 30044 | 90233 | 20 |
| 90 | 61205 | 70977 | 29023 | 90228 | 10 |
| **27 oo** | 62221 | 71997 | 28003 | 90224 | **73 oo** |
| 10 | 63236 | 73017 | 26983 | 90219 | 90 |
| 20 | 64251 | 74037 | 25963 | 90215 | 80 |
| 30 | 65266 | 75056 | 24944 | 90210 | 70 |
| 40 | 66281 | 76076 | 23924 | 90205 | 60 |
| 50 | 67296 | 77095 | 22905 | 90201 | 50 |
| 60 | 68310 | 78114 | 21886 | 90196 | 40 |
| 70 | 69324 | 79132 | 20868 | 90192 | 30 |
| 80 | 70338 | 80151 | 19849 | 90187 | 20 |
| 90 | 71351 | 81169 | 18831 | 90182 | 10 |
| **28 oo** | 72364 | 82187 | 17813 | 90178 | **72 oo** |
| 10 | 73377 | 83204 | 16796 | 90173 | 90 |
| 20 | 74390 | 84222 | 15778 | 90169 | 80 |
| 30 | 75403 | 85239 | 14761 | 90164 | 70 |
| 40 | 76415 | 86256 | 13744 | 90159 | 60 |
| 50 | 77427 | 87272 | 12728 | 90155 | 50 |
| 60 | 78439 | 88289 | 11711 | 90150 | 40 |
| 70 | 79451 | 89305 | 10695 | 90146 | 30 |
| 80 | 80462 | 90321 | 09679 | 90141 | 20 |
| 90 | 81473 | 91337 | 08663 | 90136 | 10 |
| **29 oo** | 82484 | 92352 | 07648 | 90132 | **71 oo** |
| 10 | 83495 | 93368 | 06632 | 90127 | 90 |
| 20 | 84505 | 94383 | 05617 | 90123 | 80 |
| 30 | 85516 | 95398 | 04602 | 90118 | 70 |
| 40 | 86526 | 96412 | 03588 | 90113 | 60 |
| 50 | 87535 | 97427 | 02573 | 90109 | 50 |
| 60 | 88545 | 98441 | 01559 | 90104 | 40 |
| 70 | 89554 | 99455 | 00545 | 90100 | 30 |
| 80 | 90563 | ∗00468 | ∗99532 | 90095 | 20 |
| 90 | 91572 | ∗01482 | ∗98518 | 90090 | 10 |
| **30 oo** | 92581 | ∗02495 | ∗97505 | 90086 | **70 oo** |
| | **8.82** | ∗**8.83** | ∗**1.16** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 1009 | 1013 | 1013 | 5 | |

| | 1037 | 1035 | 1034 | 1032 | 1030 | 1029 | 1027 | 1025 | 1024 | 1022 | 1020 | 1019 | 1017 | 1015 | 1014 | 1012 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 103,7 | 103,5 | 103,4 | 103,2 | 103,0 | 102,9 | 102,7 | 102,5 | 102,4 | 102,2 | 102,0 | 101,9 | 101,7 | 101,5 | 101,4 | 101,2 | 1 |
| 2 | 207,4 | 207,0 | 206,8 | 206,4 | 206,0 | 205,8 | 205,4 | 205,0 | 204,8 | 204,4 | 204,0 | 203,8 | 203,4 | 203,0 | 202,8 | 202,4 | 2 |
| 3 | 311,1 | 310,5 | 310,2 | 309,6 | 309,0 | 308,7 | 308,1 | 307,5 | 307,2 | 306,6 | 306,0 | 305,7 | 305,1 | 304,5 | 304,2 | 303,6 | 3 |
| 4 | 414,8 | 414,0 | 413,6 | 412,8 | 412,0 | 411,6 | 410,8 | 410,0 | 409,6 | 408,8 | 408,0 | 407,6 | 406,8 | 406,0 | 405,6 | 404,8 | 4 |
| 5 | 518,5 | 517,5 | 517,0 | 516,0 | 515,0 | 514,5 | 513,5 | 512,5 | 512,0 | 511,0 | 510,0 | 509,5 | 508,5 | 507,5 | 507,0 | 506,0 | 5 |
| 6 | 622,2 | 621,0 | 620,4 | 619,2 | 618,0 | 617,4 | 616,2 | 615,0 | 614,4 | 613,2 | 612,0 | 611,4 | 610,2 | 609,0 | 608,4 | 607,2 | 6 |
| 7 | 725,9 | 724,5 | 723,8 | 722,4 | 721,0 | 720,3 | 718,9 | 717,5 | 716,8 | 715,4 | 714,0 | 713,3 | 711,9 | 710,5 | 709,8 | 708,4 | 7 |
| 8 | 829,6 | 828,0 | 827,2 | 825,6 | 824,0 | 823,2 | 821,6 | 820,0 | 819,2 | 817,6 | 816,0 | 815,2 | 813,6 | 812,0 | 811,2 | 809,6 | 8 |
| 9 | 933,3 | 931,5 | 930,6 | 928,8 | 927,0 | 926,1 | 924,3 | 922,5 | 921,6 | 919,8 | 918,0 | 917,1 | 915,3 | 913,5 | 912,6 | 910,8 | 9 |

| $4^g$ | 1008 | 1013 | 1013 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**8.82** | **8.83** | **1.16** | **9.99** | |
| **30 oo** | ∗92581 | 02495 | 97505 | 90086 | **70 oo** |
| 10 | ∗93589 | 03508 | 96492 | 90081 | 90 |
| 20 | ∗94597 | 04521 | 95479 | 90076 | 80 |
| 30 | ∗95605 | 05533 | 94467 | 90072 | 70 |
| 40 | ∗96612 | 06545 | 93455 | 90067 | 60 |
| 50 | ∗97620 | 07557 | 92443 | 90063 | 50 |
| 60 | ∗98627 | 08569 | 91431 | 90058 | 40 |
| 70 | ∗99634 | 09581 | 90419 | 90053 | 30 |
| 80 | 00641 | 10592 | 89408 | 90049 | 20 |
| 90 | 01647 | 11603 | 88397 | 90044 | 10 |
| **31 oo** | 02653 | 12614 | 87386 | 90040 | **69 oo** |
| 10 | 03659 | 13624 | 86376 | 90035 | 90 |
| 20 | 04665 | 14635 | 85365 | 90030 | 80 |
| 30 | 05671 | 15645 | 84355 | 90026 | 70 |
| 40 | 06676 | 16655 | 83345 | 90021 | 60 |
| 50 | 07681 | 17665 | 82335 | 90016 | 50 |
| 60 | 08686 | 18674 | 81326 | 90012 | 40 |
| 70 | 09690 | 19683 | 80317 | 90007 | 30 |
| 80 | 10695 | 20692 | 79308 | 90002 | 20 |
| 90 | 11699 | 21701 | 78299 | 89998 | 10 |
| **32 oo** | 12703 | 22709 | 77291 | 89993 | **68 oo** |
| 10 | 13706 | 23718 | 76282 | 89989 | 90 |
| 20 | 14710 | 24726 | 75274 | 89984 | 80 |
| 30 | 15713 | 25734 | 74266 | 89979 | 70 |
| 40 | 16716 | 26741 | 73259 | 89975 | 60 |
| 50 | 17719 | 27749 | 72251 | 89970 | 50 |
| 60 | 18721 | 28756 | 71244 | 89965 | 40 |
| 70 | 19723 | 29763 | 70237 | 89961 | 30 |
| 80 | 20725 | 30769 | 69231 | 89956 | 20 |
| 90 | 21727 | 31776 | 68224 | 89951 | 10 |
| **33 oo** | 22729 | 32782 | 67218 | 89947 | **67 oo** |
| 10 | 23730 | 33788 | 66212 | 89942 | 90 |
| 20 | 24731 | 34794 | 65206 | 89937 | 80 |
| 30 | 25732 | 35799 | 64201 | 89933 | 70 |
| 40 | 26733 | 36804 | 63196 | 89928 | 60 |
| 50 | 27733 | 37810 | 62190 | 89924 | 50 |
| 60 | 28733 | 38814 | 61186 | 89919 | 40 |
| 70 | 29733 | 39819 | 60181 | 89914 | 30 |
| 80 | 30733 | 40823 | 59177 | 89910 | 20 |
| 90 | 31732 | 41827 | 58173 | 89905 | 10 |
| **34 oo** | 32732 | 42831 | 57169 | 89900 | **66 oo** |
| 10 | 33731 | 43835 | 56165 | 89896 | 90 |
| 20 | 34729 | 44838 | 55162 | 89891 | 80 |
| 30 | 35728 | 45842 | 54158 | 89886 | 70 |
| 40 | 36726 | 46845 | 53155 | 89882 | 60 |
| 50 | 37724 | 47847 | 52153 | 89877 | 50 |
| 60 | 38722 | 48850 | 51150 | 89872 | 40 |
| 70 | 39720 | 49852 | 50148 | 89868 | 30 |
| 80 | 40717 | 50854 | 49146 | 89863 | 20 |
| 90 | 41714 | 51856 | 48144 | 89858 | 10 |
| **35 oo** | 42711 | 52858 | 47142 | 89854 | **65 oo** |
| | **8.83** | **8.83** | **1.16** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 997 | 1002 | 1002 | 5 | |

| $4^g$ | 997 | 1001 | 1001 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.83** | **8.83** | **1.16** | **9.99** | |
| **35 oo** | 42711 | 52858 | 47142 | 89854 | **65 oo** |
| 10 | 43708 | 53859 | 46141 | 89849 | 90 |
| 20 | 44705 | 54860 | 45140 | 89844 | 80 |
| 30 | 45701 | 55861 | 44139 | 89840 | 70 |
| 40 | 46697 | 56862 | 43138 | 89835 | 60 |
| 50 | 47693 | 57862 | 42138 | 89830 | 50 |
| 60 | 48688 | 58863 | 41137 | 89826 | 40 |
| 70 | 49683 | 59863 | 40137 | 89821 | 30 |
| 80 | 50679 | 60862 | 39138 | 89816 | 20 |
| 90 | 51673 | 61862 | 38138 | 89812 | 10 |
| **36 oo** | 52668 | 62861 | 37139 | 89807 | **64 oo** |
| 10 | 53663 | 63860 | 36140 | 89802 | 90 |
| 20 | 54657 | 64859 | 35141 | 89798 | 80 |
| 30 | 55651 | 65858 | 34142 | 89793 | 70 |
| 40 | 56644 | 66856 | 33144 | 89788 | 60 |
| 50 | 57638 | 67854 | 32146 | 89783 | 50 |
| 60 | 58631 | 68852 | 31148 | 89779 | 40 |
| 70 | 59624 | 69850 | 30150 | 89774 | 30 |
| 80 | 60617 | 70848 | 29152 | 89769 | 20 |
| 90 | 61610 | 71845 | 28155 | 89765 | 10 |
| **37 oo** | 62602 | 72842 | 27158 | 89760 | **63 oo** |
| 10 | 63594 | 73839 | 26161 | 89755 | 90 |
| 20 | 64586 | 74835 | 25165 | 89751 | 80 |
| 30 | 65578 | 75832 | 24168 | 89746 | 70 |
| 40 | 66569 | 76828 | 23172 | 89741 | 60 |
| 50 | 67560 | 77824 | 22176 | 89737 | 50 |
| 60 | 68551 | 78819 | 21181 | 89732 | 40 |
| 70 | 69542 | 79815 | 20185 | 89727 | 30 |
| 80 | 70533 | 80810 | 19190 | 89722 | 20 |
| 90 | 71523 | 81805 | 18195 | 89718 | 10 |
| **38 oo** | 72513 | 82800 | 17200 | 89713 | **62 oo** |
| 10 | 73503 | 83795 | 16205 | 89708 | 90 |
| 20 | 74493 | 84789 | 15211 | 89704 | 80 |
| 30 | 75482 | 85783 | 14217 | 89699 | 70 |
| 40 | 76471 | 86777 | 13223 | 89694 | 60 |
| 50 | 77460 | 87771 | 12229 | 89690 | 50 |
| 60 | 78449 | 88764 | 11236 | 89685 | 40 |
| 70 | 79437 | 89757 | 10243 | 89680 | 30 |
| 80 | 80426 | 90750 | 09250 | 89675 | 20 |
| 90 | 81414 | 91743 | 08257 | 89671 | 10 |
| **39 oo** | 82401 | 92735 | 07265 | 89666 | **61 oo** |
| 10 | 83389 | 93728 | 06272 | 89661 | 90 |
| 20 | 84376 | 94720 | 05280 | 89657 | 80 |
| 30 | 85364 | 95712 | 04288 | 89652 | 70 |
| 40 | 86351 | 96703 | 03297 | 89647 | 60 |
| 50 | 87337 | 97695 | 02305 | 89642 | 50 |
| 60 | 88324 | 98686 | 01314 | 89638 | 40 |
| 70 | 89310 | 99677 | 00323 | 89633 | 30 |
| 80 | 90296 | ∗00668 | ∗99332 | 89628 | 20 |
| 90 | 91282 | ∗01658 | ∗98342 | 89624 | 10 |
| **40 oo** | 92267 | ∗02649 | ∗97351 | 89619 | **60 oo** |
| | **8.83** | ∗**8.84** | ∗**1.15** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 985 | 990 | 990 | 5 | |

| | 1010 | 1008 | 1007 | 1005 | 1003 | 1002 | 1000 | 998 | 997 | 995 | 993 | 992 | 990 | 988 | 987 | 985 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101,0 | 100,8 | 100,7 | 100,5 | 100,3 | 100,2 | 100,0 | 99,8 | 99,7 | 99,5 | 99,3 | 99,2 | 99,0 | 98,8 | 98,7 | 98,5 | 1 |
| 2 | 202,0 | 201,6 | 201,4 | 201,0 | 200,6 | 200,4 | 200,0 | 199,6 | 199,4 | 199,0 | 198,6 | 198,4 | 198,0 | 197,6 | 197,4 | 197,0 | 2 |
| 3 | 303,0 | 302,4 | 302,1 | 301,5 | 300,9 | 300,6 | 300,0 | 299,4 | 299,1 | 298,5 | 297,9 | 297,6 | 297,0 | 296,4 | 296,1 | 295,5 | 3 |
| 4 | 404,0 | 403,2 | 402,8 | 402,0 | 401,2 | 400,8 | 400,0 | 399,2 | 398,8 | 398,0 | 397,2 | 396,8 | 396,0 | 395,2 | 394,8 | 394,0 | 4 |
| 5 | 505,0 | 504,0 | 503,5 | 502,5 | 501,5 | 501,0 | 500,0 | 499,0 | 498,5 | 497,5 | 496,5 | 496,0 | 495,0 | 494,0 | 493,5 | 492,5 | 5 |
| 6 | 606,0 | 604,8 | 604,2 | 603,0 | 601,8 | 601,2 | 600,0 | 598,8 | 598,2 | 597,0 | 595,8 | 595,2 | 594,0 | 592,8 | 592,2 | 591,0 | 6 |
| 7 | 707,0 | 705,6 | 704,9 | 703,5 | 702,1 | 701,4 | 700,0 | 698,6 | 697,9 | 696,5 | 695,1 | 694,4 | 693,0 | 691,6 | 690,9 | 689,5 | 7 |
| 8 | 808,0 | 806,4 | 805,6 | 804,0 | 802,4 | 801,6 | 800,0 | 798,4 | 797,6 | 796,0 | 794,4 | 793,6 | 792,0 | 790,4 | 789,6 | 788,0 | 8 |
| 9 | 909,0 | 907,2 | 906,3 | 904,5 | 902,7 | 901,8 | 900,0 | 898,2 | 897,3 | 895,5 | 893,7 | 892,8 | 891,0 | 889,2 | 888,3 | 886,5 | 9 |

| $4^g$ | 986 | 990 | 990 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**8.83** | **8.84** | **1.15** | **9.99** | |
| **40 oo** | ∗92267 | 02649 | 97351 | 89619 | **60 oo** |
| 10 | ∗93253 | 03639 | 96361 | 89614 | 90 |
| 20 | ∗94238 | 04628 | 95372 | 89609 | 80 |
| 30 | ∗95223 | 05618 | 94382 | 89605 | 70 |
| 40 | ∗96207 | 06607 | 93393 | 89600 | 60 |
| 50 | ∗97192 | 07597 | 92403 | 89595 | 50 |
| 60 | ∗98176 | 08586 | 91414 | 89590 | 40 |
| 70 | ∗99160 | 09574 | 90426 | 89586 | 30 |
| 80 | 00144 | 10563 | 89437 | 89581 | 20 |
| 90 | 01127 | 11551 | 88449 | 89576 | 10 |
| **41 oo** | 02111 | 12539 | 87461 | 89572 | **59 oo** |
| 10 | 03094 | 13527 | 86473 | 89567 | 90 |
| 20 | 04077 | 14515 | 85485 | 89562 | 80 |
| 30 | 05059 | 15502 | 84498 | 89557 | 70 |
| 40 | 06042 | 16489 | 83511 | 89553 | 60 |
| 50 | 07024 | 17476 | 82524 | 89548 | 50 |
| 60 | 08006 | 18463 | 81537 | 89543 | 40 |
| 70 | 08988 | 19449 | 80551 | 89538 | 30 |
| 80 | 09969 | 20436 | 79564 | 89534 | 20 |
| 90 | 10951 | 21422 | 78578 | 89529 | 10 |
| **42 oo** | 11932 | 22408 | 77592 | 89524 | **58 oo** |
| 10 | 12913 | 23393 | 76607 | 89519 | 90 |
| 20 | 13893 | 24379 | 75621 | 89515 | 80 |
| 30 | 14874 | 25364 | 74636 | 89510 | 70 |
| 40 | 15854 | 26349 | 73651 | 89505 | 60 |
| 50 | 16834 | 27333 | 72667 | 89500 | 50 |
| 60 | 17814 | 28318 | 71682 | 89496 | 40 |
| 70 | 18793 | 29302 | 70698 | 89491 | 30 |
| 80 | 19773 | 30286 | 69714 | 89486 | 20 |
| 90 | 20752 | 31270 | 68730 | 89481 | 10 |
| **43 oo** | 21731 | 32254 | 67746 | 89477 | **57 oo** |
| 10 | 22709 | 33237 | 66763 | 89472 | 90 |
| 20 | 23688 | 34220 | 65780 | 89467 | 80 |
| 30 | 24666 | 35203 | 64797 | 89462 | 70 |
| 40 | 25644 | 36186 | 63814 | 89458 | 60 |
| 50 | 26622 | 37169 | 62831 | 89453 | 50 |
| 60 | 27599 | 38151 | 61849 | 89448 | 40 |
| 70 | 28576 | 39133 | 60867 | 89443 | 30 |
| 80 | 29554 | 40115 | 59885 | 89439 | 20 |
| 90 | 30530 | 41097 | 58903 | 89434 | 10 |
| **44 oo** | 31507 | 42078 | 57922 | 89429 | **56 oo** |
| 10 | 32484 | 43059 | 56941 | 89424 | 90 |
| 20 | 33460 | 44040 | 55960 | 89420 | 80 |
| 30 | 34436 | 45021 | 54979 | 89415 | 70 |
| 40 | 35412 | 46002 | 53998 | 89410 | 60 |
| 50 | 36387 | 46982 | 53018 | 89405 | 50 |
| 60 | 37362 | 47962 | 52038 | 89400 | 40 |
| 70 | 38338 | 48942 | 51058 | 89396 | 30 |
| 80 | 39313 | 49922 | 50078 | 89391 | 20 |
| 90 | 40287 | 50901 | 49099 | 89386 | 10 |
| **45 oo** | 41262 | 51880 | 48120 | 89381 | **55 oo** |
| | **8.84** | **8.84** | **1.15** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 974 | 979 | 979 | 5 | |

| $4^g$ | 974 | 979 | 979 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.84** | **8.84** | **1.15** | **9.99** | |
| **45 oo** | 41262 | 51880 | 48120 | 89381 | **55 oo** |
| 10 | 42236 | 52859 | 47141 | 89377 | 90 |
| 20 | 43210 | 53838 | 46162 | 89372 | 80 |
| 30 | 44184 | 54817 | 45183 | 89367 | 70 |
| 40 | 45157 | 55795 | 44205 | 89362 | 60 |
| 50 | 46131 | 56773 | 43227 | 89357 | 50 |
| 60 | 47104 | 57751 | 42249 | 89353 | 40 |
| 70 | 48077 | 58729 | 41271 | 89348 | 30 |
| 80 | 49049 | 59706 | 40294 | 89343 | 20 |
| 90 | 50022 | 60684 | 39316 | 89338 | 10 |
| **46 oo** | 50994 | 61661 | 38339 | 89334 | **54 oo** |
| 10 | 51966 | 62637 | 37363 | 89329 | 90 |
| 20 | 52938 | 63614 | 36386 | 89324 | 80 |
| 30 | 53910 | 64591 | 35409 | 89319 | 70 |
| 40 | 54881 | 65567 | 34433 | 89314 | 60 |
| 50 | 55852 | 66543 | 33457 | 89310 | 50 |
| 60 | 56823 | 67518 | 32482 | 89305 | 40 |
| 70 | 57794 | 68494 | 31506 | 89300 | 30 |
| 80 | 58765 | 69469 | 30531 | 89295 | 20 |
| 90 | 59735 | 70444 | 29556 | 89290 | 10 |
| **47 oo** | 60705 | 71419 | 28581 | 89286 | **53 oo** |
| 10 | 61675 | 72394 | 27606 | 89281 | 90 |
| 20 | 62644 | 73368 | 26632 | 89276 | 80 |
| 30 | 63614 | 74343 | 25657 | 89271 | 70 |
| 40 | 64583 | 75317 | 24683 | 89266 | 60 |
| 50 | 65552 | 76290 | 23710 | 89262 | 50 |
| 60 | 66521 | 77264 | 22736 | 89257 | 40 |
| 70 | 67489 | 78237 | 21763 | 89252 | 30 |
| 80 | 68458 | 79211 | 20789 | 89247 | 20 |
| 90 | 69426 | 80183 | 19817 | 89242 | 10 |
| **48 oo** | 70394 | 81156 | 18844 | 89238 | **52 oo** |
| 10 | 71362 | 82129 | 17871 | 89233 | 90 |
| 20 | 72329 | 83101 | 16899 | 89228 | 80 |
| 30 | 73296 | 84073 | 15927 | 89223 | 70 |
| 40 | 74263 | 85045 | 14955 | 89218 | 60 |
| 50 | 75230 | 86017 | 13983 | 89214 | 50 |
| 60 | 76197 | 86988 | 13012 | 89209 | 40 |
| 70 | 77163 | 87959 | 12041 | 89204 | 30 |
| 80 | 78129 | 88930 | 11070 | 89199 | 20 |
| 90 | 79095 | 89901 | 10099 | 89194 | 10 |
| **49 oo** | 80061 | 90872 | 09128 | 89189 | **51 oo** |
| 10 | 81027 | 91842 | 08158 | 89185 | 90 |
| 20 | 81992 | 92812 | 07188 | 89180 | 80 |
| 30 | 82957 | 93782 | 06218 | 89175 | 70 |
| 40 | 83922 | 94752 | 05248 | 89170 | 60 |
| 50 | 84887 | 95721 | 04279 | 89165 | 50 |
| 60 | 85851 | 96691 | 03309 | 89161 | 40 |
| 70 | 86815 | 97660 | 02340 | 89156 | 30 |
| 80 | 87779 | 98628 | 01372 | 89151 | 20 |
| 90 | 88743 | 99597 | 00403 | 89146 | 10 |
| **50 oo** | 89707 | ∗00566 | ∗99434 | 89141 | **50 oo** |
| | **8.84** | ∗**8.85** | ∗**1.14** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 964 | 968 | 968 | 5 | |

| | 990 | 989 | 987 | 986 | 985 | 984 | 982 | 981 | 980 | 978 | 977 | 976 | 974 | 973 | 972 | 971 | 969 | 968 | 967 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 99,0 | 98,9 | 98,7 | 98,6 | 98,5 | 98,4 | 98,2 | 98,1 | 98,0 | 97,8 | 97,7 | 97,6 | 97,4 | 97,3 | 97,2 | 97,1 | 96,9 | 96,8 | 96,7 | 1 |
| 2 | 198,0 | 197,8 | 197,4 | 197,2 | 197,0 | 196,8 | 196,4 | 196,2 | 196,0 | 195,6 | 195,4 | 195,2 | 194,8 | 194,6 | 194,4 | 194,2 | 193,8 | 193,6 | 193,4 | 2 |
| 3 | 297,0 | 296,7 | 296,1 | 295,8 | 295,5 | 295,2 | 294,6 | 294,3 | 294,0 | 293,4 | 293,1 | 292,8 | 292,2 | 291,9 | 291,6 | 291,3 | 290,7 | 290,4 | 290,1 | 3 |
| 4 | 396,0 | 395,6 | 394,8 | 394,4 | 394,0 | 393,6 | 392,8 | 392,4 | 392,0 | 391,2 | 390,8 | 390,4 | 389,6 | 389,2 | 388,8 | 388,4 | 387,6 | 387,2 | 386,8 | 4 |
| 5 | 495,0 | 494,5 | 493,5 | 493,0 | 492,5 | 492,0 | 491,0 | 490,5 | 490,0 | 489,0 | 488,5 | 488,0 | 487,0 | 486,5 | 486,0 | 485,5 | 484,5 | 484,0 | 483,5 | 5 |
| 6 | 594,0 | 593,4 | 592,2 | 591,6 | 591,0 | 590,4 | 589,2 | 588,6 | 588,0 | 586,8 | 586,2 | 585,6 | 584,4 | 583,8 | 583,2 | 582,6 | 581,4 | 580,8 | 580,2 | 6 |
| 7 | 693,0 | 692,3 | 690,9 | 690,2 | 689,5 | 688,8 | 687,4 | 686,7 | 686,0 | 684,6 | 683,9 | 683,2 | 681,8 | 681,1 | 680,4 | 679,7 | 678,3 | 677,6 | 676,9 | 7 |
| 8 | 792,0 | 791,2 | 789,6 | 788,8 | 788,0 | 787,2 | 785,6 | 784,8 | 784,0 | 782,4 | 781,6 | 780,8 | 779,2 | 778,4 | 777,6 | 776,8 | 775,2 | 774,4 | 773,6 | 8 |
| 9 | 891,0 | 890,1 | 888,3 | 887,4 | 886,5 | 885,6 | 883,8 | 882,9 | 882,0 | 880,2 | 879,3 | 878,4 | 876,6 | 875,7 | 874,8 | 873,9 | 872,1 | 871,2 | 870,3 | 9 |

| $4^g$ | 963 | 968 | 968 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *8.84 | 8.85 | 1.14 | 9.99 | |
| **50 oo** | *89707 | 00566 | 99434 | 89141 | **50 oo** |
| 10 | *90670 | 01534 | 98466 | 89136 | 90 |
| 20 | *91633 | 02502 | 97498 | 89132 | 80 |
| 30 | *92596 | 03470 | 96530 | 89127 | 70 |
| 40 | *93559 | 04437 | 95563 | 89122 | 60 |
| 50 | *94521 | 05404 | 94596 | 89117 | 50 |
| 60 | *95484 | 06372 | 93628 | 89112 | 40 |
| 70 | *96446 | 07339 | 92661 | 89107 | 30 |
| 80 | *97408 | 08305 | 91695 | 89103 | 20 |
| 90 | *98369 | 09272 | 90728 | 89098 | 10 |
| **51 oo** | *99331 | 10238 | 89762 | 89093 | **49 oo** |
| 10 | 00292 | 11204 | 88796 | 89088 | 90 |
| 20 | 01253 | 12170 | 87830 | 89083 | 80 |
| 30 | 02214 | 13136 | 86864 | 89078 | 70 |
| 40 | 03175 | 14101 | 85899 | 89073 | 60 |
| 50 | 04135 | 15066 | 84934 | 89069 | 50 |
| 60 | 05095 | 16031 | 83969 | 89064 | 40 |
| 70 | 06055 | 16996 | 83004 | 89059 | 30 |
| 80 | 07015 | 17961 | 82039 | 89054 | 20 |
| 90 | 07974 | 18925 | 81075 | 89049 | 10 |
| **52 oo** | 08934 | 19889 | 80111 | 89044 | **48 oo** |
| 10 | 09893 | 20853 | 79147 | 89040 | 90 |
| 20 | 10852 | 21817 | 78183 | 89035 | 80 |
| 30 | 11810 | 22781 | 77219 | 89030 | 70 |
| 40 | 12769 | 23744 | 76256 | 89025 | 60 |
| 50 | 13727 | 24707 | 75293 | 89020 | 50 |
| 60 | 14685 | 25670 | 74330 | 89015 | 40 |
| 70 | 15643 | 26633 | 73367 | 89010 | 30 |
| 80 | 16601 | 27595 | 72405 | 89006 | 20 |
| 90 | 17558 | 28557 | 71443 | 89001 | 10 |
| **53 oo** | 18515 | 29519 | 70481 | 88996 | **47 oo** |
| 10 | 19472 | 30481 | 69519 | 88991 | 90 |
| 20 | 20429 | 31443 | 68557 | 88986 | 80 |
| 30 | 21386 | 32404 | 67596 | 88981 | 70 |
| 40 | 22342 | 33366 | 66634 | 88976 | 60 |
| 50 | 23298 | 34327 | 65673 | 88972 | 50 |
| 60 | 24254 | 35287 | 64713 | 88967 | 40 |
| 70 | 25210 | 36248 | 63752 | 88962 | 30 |
| 80 | 26165 | 37208 | 62792 | 88957 | 20 |
| 90 | 27120 | 38168 | 61832 | 88952 | 10 |
| **54 oo** | 28076 | 39128 | 60872 | 88947 | **46 oo** |
| 10 | 29030 | 40088 | 59912 | 88942 | 90 |
| 20 | 29985 | 41048 | 58952 | 88937 | 80 |
| 30 | 30939 | 42007 | 57993 | 88933 | 70 |
| 40 | 31894 | 42966 | 57034 | 88928 | 60 |
| 50 | 32848 | 43925 | 56075 | 88923 | 50 |
| 60 | 33802 | 44884 | 55116 | 88918 | 40 |
| 70 | 34755 | 45842 | 54158 | 88913 | 30 |
| 80 | 35709 | 46800 | 53200 | 88908 | 20 |
| 90 | 36662 | 47758 | 52242 | 88903 | 10 |
| **55 oo** | 37615 | 48716 | 51284 | 88898 | **45 oo** |
| | **8.85** | **8.85** | **1.14** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 953 | 958 | 958 | 5 | |

| $4^g$ | 953 | 958 | 958 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 8.85 | 8.85 | 1.14 | 9.99 | |
| **55 oo** | 37615 | 48716 | 51284 | 88898 | **45 oo** |
| 10 | 38567 | 49674 | 50326 | 88893 | 90 |
| 20 | 39520 | 50631 | 49369 | 88889 | 80 |
| 30 | 40472 | 51589 | 48411 | 88884 | 70 |
| 40 | 41425 | 52546 | 47454 | 88879 | 60 |
| 50 | 42376 | 53502 | 46498 | 88874 | 50 |
| 60 | 43328 | 54459 | 45541 | 88869 | 40 |
| 70 | 44280 | 55415 | 44585 | 88864 | 30 |
| 80 | 45231 | 56372 | 43628 | 88859 | 20 |
| 90 | 46182 | 57328 | 42672 | 888554 | 10 |
| **56 oo** | 47133 | 58283 | 41717 | 88849 | **44 oo** |
| 10 | 48084 | 59239 | 40761 | 88845 | 90 |
| 20 | 49034 | 60194 | 39806 | 88840 | 80 |
| 30 | 49984 | 61149 | 38851 | 88835 | 70 |
| 40 | 50934 | 62104 | 37896 | 88830 | 60 |
| 50 | 51884 | 63059 | 36941 | 88825 | 50 |
| 60 | 52834 | 64014 | 35986 | 88820 | 40 |
| 70 | 53783 | 64968 | 35032 | 88815 | 30 |
| 80 | 54732 | 65922 | 34078 | 88810 | 20 |
| 90 | 55681 | 66876 | 33124 | 88805 | 10 |
| **57 oo** | 56630 | 67830 | 32170 | 88800 | **43 oo** |
| 10 | 57579 | 68783 | 31217 | 88796 | 90 |
| 20 | 58527 | 69736 | 30264 | 88791 | 80 |
| 30 | 59475 | 70690 | 29310 | 88786 | 70 |
| 40 | 60423 | 71642 | 28358 | 88781 | 60 |
| 50 | 61371 | 72595 | 27405 | 88776 | 50 |
| 60 | 62319 | 73547 | 26453 | 88771 | 40 |
| 70 | 63266 | 74500 | 25500 | 88766 | 30 |
| 80 | 64213 | 75452 | 24548 | 88761 | 20 |
| 90 | 65160 | 76404 | 23596 | 88756 | 10 |
| **58 oo** | 66107 | 77355 | 22645 | 88751 | **42 oo** |
| 10 | 67053 | 78307 | 21693 | 88746 | 90 |
| 20 | 67999 | 79258 | 20742 | 88742 | 80 |
| 30 | 68945 | 80209 | 19791 | 88737 | 70 |
| 40 | 69891 | 81160 | 18840 | 88732 | 60 |
| 50 | 70837 | 82110 | 17890 | 88727 | 50 |
| 60 | 71782 | 83061 | 16939 | 88722 | 40 |
| 70 | 72728 | 84011 | 15989 | 88717 | 30 |
| 80 | 73673 | 84961 | 15039 | 88712 | 20 |
| 90 | 74618 | 85911 | 14089 | 88707 | 10 |
| **59 oo** | 75562 | 86860 | 13140 | 88702 | **41 oo** |
| 10 | 76507 | 87810 | 12190 | 88697 | 90 |
| 20 | 77451 | 88759 | 11241 | 88692 | 80 |
| 30 | 78395 | 89708 | 10292 | 88687 | 70 |
| 40 | 79339 | 90656 | 09344 | 88682 | 60 |
| 50 | 80282 | 91605 | 08395 | 88677 | 50 |
| 60 | 81226 | 92553 | 07447 | 88673 | 40 |
| 70 | 82169 | 93501 | 06499 | 88668 | 30 |
| 80 | 83112 | 94449 | 05551 | 88663 | 20 |
| 90 | 84055 | 95397 | 04603 | 88658 | 10 |
| **60 oo** | 84997 | 96345 | 03655 | 88653 | **40 oo** |
| | **8.85** | **8.85** | **1.14** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 942 | 948 | 948 | 5 | |

| | 965 | 964 | 963 | 961 | 960 | 959 | 958 | 956 | 955 | 954 | 952 | 951 | 950 | 948 | 947 | 946 | 945 | 943 | 942 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 96,5 | 96,4 | 96,3 | 96,1 | 96,0 | 95,9 | 95,8 | 95,6 | 95,5 | 95,4 | 95,2 | 95,1 | 95,0 | 94,8 | 94,7 | 94,6 | 94,5 | 94,3 | 94,2 | 1 |
| 2 | 193,0 | 192,8 | 192,6 | 192,2 | 192,0 | 191,8 | 191,6 | 191,2 | 191,0 | 190,8 | 190,4 | 190,2 | 190,0 | 189,6 | 189,4 | 189,2 | 189,0 | 188,6 | 188,4 | 2 |
| 3 | 289,5 | 289,2 | 288,9 | 288,3 | 288,0 | 287,7 | 287,4 | 286,8 | 286,5 | 286,2 | 285,6 | 285,3 | 285,0 | 284,4 | 284,1 | 283,8 | 283,5 | 282,9 | 282,6 | 3 |
| 4 | 386,0 | 385,6 | 385,2 | 384,4 | 384,0 | 383,6 | 383,2 | 382,4 | 382,0 | 381,6 | 380,8 | 380,4 | 380,0 | 379,2 | 378,8 | 378,4 | 378,0 | 377,2 | 376,8 | 4 |
| 5 | 482,5 | 482,0 | 481,5 | 480,5 | 480,0 | 479,5 | 479,0 | 478,0 | 477,5 | 477,0 | 476,0 | 475,5 | 475,0 | 474,0 | 473,5 | 473,0 | 472,5 | 471,5 | 471,0 | 5 |
| 6 | 579,0 | 578,4 | 577,8 | 576,6 | 576,0 | 575,4 | 574,8 | 573,6 | 573,0 | 572,4 | 571,2 | 570,6 | 570,0 | 568,8 | 568,2 | 567,6 | 567,0 | 565,8 | 565,2 | 6 |
| 7 | 675,5 | 674,8 | 674,1 | 672,7 | 672,0 | 671,3 | 670,6 | 669,2 | 668,5 | 667,8 | 666,4 | 665,7 | 665,0 | 663,6 | 662,9 | 662,2 | 661,5 | 660,1 | 659,4 | 7 |
| 8 | 772,0 | 771,2 | 770,4 | 768,8 | 768,0 | 767,2 | 766,4 | 764,8 | 764,0 | 763,2 | 761,6 | 760,8 | 760,0 | 758,4 | 757,6 | 756,8 | 756,0 | 754,4 | 753,6 | 8 |
| 9 | 868,5 | 867,6 | 866,7 | 864,9 | 864,0 | 863,1 | 862,2 | 860,4 | 859,5 | 858,6 | 856,8 | 855,9 | 855,0 | 853,2 | 852,3 | 851,4 | 850,5 | 848,7 | 847,8 | 9 |

| $4^g$ | 943 | 947 | 947 | 4 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**8.85** | ∗**8.85** | ∗**1.14** | **9.99** | |
| **60 oo** | ∗84997 | ∗96345 | ∗03655 | 88653 | **40 oo** |
| 10 | ∗85940 | ∗97292 | ∗02708 | 88648 | 90 |
| 20 | ∗86882 | ∗98239 | ∗01761 | 88643 | 80 |
| 30 | ∗87824 | ∗99186 | ∗00814 | 88638 | 70 |
| 40 | ∗88766 | 00133 | 99867 | 88633 | 60 |
| 50 | ∗89707 | 01079 | 98921 | 88628 | 50 |
| 60 | ∗90648 | 02025 | 97975 | 88623 | 40 |
| 70 | ∗91590 | 02971 | 97029 | 88618 | 30 |
| 80 | ∗92531 | 03917 | 96083 | 88613 | 20 |
| 90 | ∗93471 | 04863 | 95137 | 88608 | 10 |
| **61 oo** | ∗94412 | 05808 | 94192 | 88603 | **39 oo** |
| 10 | ∗95352 | 06754 | 93246 | 88598 | 90 |
| 20 | ∗96292 | 07699 | 92301 | 88593 | 80 |
| 30 | ∗97232 | 08644 | 91356 | 88589 | 70 |
| 40 | ∗98172 | 09588 | 90412 | 88584 | 60 |
| 50 | ∗99111 | 10533 | 89467 | 88579 | 50 |
| 60 | 00051 | 11477 | 88523 | 88574 | 40 |
| 70 | 00990 | 12421 | 87579 | 88569 | 30 |
| 80 | 01929 | 13365 | 86635 | 88564 | 20 |
| 90 | 02867 | 14309 | 85691 | 88559 | 10 |
| **62 oo** | 03806 | 15252 | 84748 | 88554 | **38 oo** |
| 10 | 04744 | 16195 | 83805 | 88549 | 90 |
| 20 | 05682 | 17138 | 82862 | 88544 | 80 |
| 30 | 06620 | 18081 | 81919 | 88539 | 70 |
| 40 | 07558 | 19024 | 80976 | 88534 | 60 |
| 50 | 08495 | 19966 | 80034 | 88529 | 50 |
| 60 | 09432 | 20908 | 79092 | 88524 | 40 |
| 70 | 10369 | 21850 | 78150 | 88519 | 30 |
| 80 | 11306 | 22792 | 77208 | 88514 | 20 |
| 90 | 12243 | 23734 | 76266 | 88509 | 10 |
| **63 oo** | 13179 | 24675 | 75325 | 88504 | **37 oo** |
| 10 | 14116 | 25616 | 74384 | 88499 | 90 |
| 20 | 15052 | 26557 | 73443 | 88494 | 80 |
| 30 | 15988 | 27498 | 72502 | 88489 | 70 |
| 40 | 16923 | 28439 | 71561 | 88484 | 60 |
| 50 | 17859 | 29379 | 70621 | 88479 | 50 |
| 60 | 18794 | 30320 | 69680 | 88474 | 40 |
| 70 | 19729 | 31260 | 68740 | 88469 | 30 |
| 80 | 20664 | 32199 | 67801 | 88464 | 20 |
| 90 | 21598 | 33139 | 66861 | 88459 | 10 |
| **64 oo** | 22533 | 34078 | 65922 | 88454 | **36 oo** |
| 10 | 23467 | 35018 | 64982 | 88449 | 90 |
| 20 | 24401 | 35957 | 64043 | 88444 | 80 |
| 30 | 25335 | 36895 | 63105 | 88439 | 70 |
| 40 | 26268 | 37834 | 62166 | 88435 | 60 |
| 50 | 27202 | 38772 | 61228 | 88430 | 50 |
| 60 | 28135 | 39711 | 60289 | 88425 | 40 |
| 70 | 29068 | 40649 | 59351 | 88420 | 30 |
| 80 | 30001 | 41586 | 58414 | 88415 | 20 |
| 90 | 30934 | 42524 | 57476 | 88410 | 10 |
| **65 oo** | 31866 | 43461 | 56539 | 88405 | **35 oo** |
| | **8.86** | **8.86** | **1.13** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 932 | 937 | 937 | 5 | |

| $4^g$ | 932 | 938 | 938 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.86** | **8.86** | **1.13** | **9.99** | |
| **65 oo** | 31866 | 43461 | 56539 | 88405 | **35 oo** |
| 10 | 32798 | 44399 | 55601 | 88400 | 90 |
| 20 | 33730 | 45336 | 54664 | 88395 | 80 |
| 30 | 34662 | 46272 | 53728 | 88390 | 70 |
| 40 | 35594 | 47209 | 52791 | 88385 | 60 |
| 50 | 36525 | 48145 | 51855 | 88380 | 50 |
| 60 | 37456 | 49082 | 50918 | 88375 | 40 |
| 70 | 38387 | 50018 | 49982 | 88370 | 30 |
| 80 | 39318 | 50953 | 49047 | 88365 | 20 |
| 90 | 40249 | 51889 | 48111 | 88360 | 10 |
| **66 oo** | 41179 | 52824 | 47176 | 88355 | **34 oo** |
| 10 | 42109 | 53760 | 46240 | 88350 | 90 |
| 20 | 43039 | 54695 | 45305 | 88345 | 80 |
| 30 | 43969 | 55629 | 44371 | 88340 | 70 |
| 40 | 44899 | 56564 | 43436 | 88335 | 60 |
| 50 | 45828 | 57498 | 42502 | 88330 | 50 |
| 60 | 46757 | 58433 | 41567 | 88325 | 40 |
| 70 | 47686 | 59367 | 40633 | 88320 | 30 |
| 80 | 48615 | 60300 | 39700 | 88315 | 20 |
| 90 | 49543 | 61234 | 38766 | 88310 | 10 |
| **67 oo** | 50472 | 62167 | 37833 | 88305 | **33 oo** |
| 10 | 51400 | 63101 | 36899 | 88300 | 90 |
| 20 | 52328 | 64034 | 35966 | 88295 | 80 |
| 30 | 53256 | 64966 | 35034 | 88289 | 70 |
| 40 | 54183 | 65899 | 34101 | 88284 | 60 |
| 50 | 55111 | 66831 | 33169 | 88279 | 50 |
| 60 | 56038 | 67764 | 32236 | 88274 | 40 |
| 70 | 56965 | 68696 | 31304 | 88269 | 30 |
| 80 | 57892 | 69628 | 30372 | 88264 | 20 |
| 90 | 58818 | 70559 | 29441 | 88259 | 10 |
| **68 oo** | 59745 | 71491 | 28509 | 88254 | **32 oo** |
| 10 | 60671 | 72422 | 27578 | 88249 | 90 |
| 20 | 61597 | 73353 | 26647 | 88244 | 80 |
| 30 | 62523 | 74284 | 25716 | 88239 | 70 |
| 40 | 63449 | 75214 | 24786 | 88234 | 60 |
| 50 | 64374 | 76145 | 23855 | 88229 | 50 |
| 60 | 65299 | 77075 | 22925 | 88224 | 40 |
| 70 | 66224 | 78005 | 21995 | 88219 | 30 |
| 80 | 67149 | 78935 | 21065 | 88214 | 20 |
| 90 | 68074 | 79865 | 20135 | 88209 | 10 |
| **69 oo** | 68998 | 80794 | 19206 | 88204 | **31 oo** |
| 10 | 69922 | 81723 | 18277 | 88199 | 90 |
| 20 | 70846 | 82652 | 17348 | 88194 | 80 |
| 30 | 71770 | 83581 | 16419 | 88189 | 70 |
| 40 | 72694 | 84510 | 15490 | 88184 | 60 |
| 50 | 73617 | 85438 | 14562 | 88179 | 50 |
| 60 | 74540 | 86367 | 13633 | 88174 | 40 |
| 70 | 75463 | 87295 | 12705 | 88169 | 30 |
| 80 | 76386 | 88223 | 11777 | 88164 | 20 |
| 90 | 77309 | 89150 | 10850 | 88159 | 10 |
| **70 oo** | 78231 | 90078 | 09922 | 88154 | **30 oo** |
| | **8.86** | **8.86** | **1.13** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 922 | 927 | 927 | 6 | |

| | 947 | 946 | 945 | 943 | 942 | 941 | 940 | 939 | 937 | 936 | 935 | 934 | 933 | 932 | 930 | 929 | 928 | 927 | 926 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 94,7 | 94,6 | 94,5 | 94,3 | 94,2 | 94,1 | 94,0 | 93,9 | 93,7 | 93,6 | 93,5 | 93,4 | 93,3 | 93,2 | 93,0 | 92,9 | 92,8 | 92,7 | 92,6 | 1 |
| 2 | 189,4 | 189,2 | 189,0 | 188,6 | 188,4 | 188,2 | 188,0 | 187,8 | 187,4 | 187,2 | 187,0 | 186,8 | 186,6 | 186,4 | 186,0 | 185,8 | 185,6 | 185,4 | 185,2 | 2 |
| 3 | 284,1 | 283,8 | 283,5 | 282,9 | 282,6 | 282,3 | 282,0 | 281,7 | 281,1 | 280,8 | 280,5 | 280,2 | 279,9 | 279,6 | 279,0 | 278,7 | 278,4 | 278,1 | 277,8 | 3 |
| 4 | 378,8 | 378,4 | 378,0 | 377,2 | 376,8 | 376,4 | 376,0 | 375,6 | 374,8 | 374,4 | 374,0 | 373,6 | 373,2 | 372,8 | 372,0 | 371,6 | 371,2 | 370,8 | 370,4 | 4 |
| 5 | 473,5 | 473,0 | 472,5 | 471,5 | 471,0 | 470,5 | 470,0 | 469,5 | 468,5 | 468,0 | 467,5 | 467,0 | 466,5 | 466,0 | 465,0 | 464,5 | 464,0 | 463,5 | 463,0 | 5 |
| 6 | 568,2 | 567,6 | 567,0 | 565,8 | 565,2 | 564,6 | 564,0 | 563,4 | 562,2 | 561,6 | 561,0 | 560,4 | 559,8 | 559,2 | 558,0 | 557,4 | 556,8 | 556,2 | 555,6 | 6 |
| 7 | 662,9 | 662,2 | 661,5 | 660,1 | 659,4 | 658,7 | 658,0 | 657,3 | 655,9 | 655,2 | 654,5 | 653,8 | 653,1 | 652,4 | 651,0 | 650,3 | 649,6 | 648,9 | 648,2 | 7 |
| 8 | 757,6 | 756,8 | 756,0 | 754,4 | 753,6 | 752,8 | 752,0 | 751,2 | 749,6 | 748,8 | 748,0 | 747,2 | 746,4 | 745,6 | 744,0 | 743,2 | 742,4 | 741,6 | 740,8 | 8 |
| 9 | 852,3 | 851,4 | 850,5 | 848,7 | 847,8 | 846,9 | 846,0 | 845,1 | 843,3 | 842,4 | 841,5 | 840,6 | 839,7 | 838,8 | 837,0 | 836,1 | 835,2 | 834,3 | 833,4 | 9 |

| 4g | 923 | 927 | 927 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**8.86** | ∗**8.86** | ∗**1.13** | **9.99** | |
| **70 oo** | ∗78231 | ∗90078 | ∗09922 | 88154 | **30 oo** |
| 10 | ∗79154 | ∗91005 | ∗08995 | 88149 | 90 |
| 20 | ∗80076 | ∗91932 | ∗08068 | 88144 | 80 |
| 30 | ∗80998 | ∗92859 | ∗07141 | 88139 | 70 |
| 40 | ∗81919 | ∗93786 | ∗06214 | 88133 | 60 |
| 50 | ∗82841 | ∗94712 | ∗05288 | 88128 | 50 |
| 60 | ∗83762 | ∗95639 | ∗04361 | 88123 | 40 |
| 70 | ∗84683 | ∗96565 | ∗03435 | 88118 | 30 |
| 80 | ∗85604 | ∗97491 | ∗02509 | 88113 | 20 |
| 90 | ∗86525 | ∗98416 | ∗01584 | 88108 | 10 |
| **71 oo** | ∗87445 | ∗99342 | ∗00658 | 88103 | **29 oo** |
| 10 | ∗88365 | 00267 | 99733 | 88098 | 90 |
| 20 | ∗89285 | 01192 | 98808 | 88093 | 80 |
| 30 | ∗90205 | 02117 | 97883 | 88088 | 70 |
| 40 | ∗91125 | 03042 | 96958 | 88083 | 60 |
| 50 | ∗92045 | 03967 | 96033 | 88078 | 50 |
| 60 | ∗92964 | 04891 | 95109 | 88073 | 40 |
| 70 | ∗93883 | 05815 | 94185 | 88068 | 30 |
| 80 | ∗94802 | 06739 | 93261 | 88063 | 20 |
| 90 | ∗95721 | 07663 | 92337 | 88058 | 10 |
| **72 oo** | ∗96639 | 08587 | 91413 | 88053 | **28 oo** |
| 10 | ∗97558 | 09510 | 90490 | 88047 | 90 |
| 20 | ∗98476 | 10433 | 89567 | 88042 | 80 |
| 30 | ∗99394 | 11356 | 88644 | 88037 | 70 |
| 40 | 00311 | 12279 | 87721 | 88032 | 60 |
| 50 | 01229 | 13202 | 86798 | 88027 | 50 |
| 60 | 02146 | 14124 | 85876 | 88022 | 40 |
| 70 | 03063 | 15046 | 84954 | 88017 | 30 |
| 80 | 03980 | 15968 | 84032 | 88012 | 20 |
| 90 | 04897 | 16890 | 83110 | 88007 | 10 |
| **73 oo** | 05814 | 17812 | 82188 | 88002 | **27 oo** |
| 10 | 06730 | 18733 | 81267 | 87997 | 90 |
| 20 | 07646 | 19655 | 80345 | 87992 | 80 |
| 30 | 08562 | 20576 | 79424 | 87987 | 70 |
| 40 | 09478 | 21497 | 78503 | 87981 | 60 |
| 50 | 10394 | 22417 | 77583 | 87976 | 50 |
| 60 | 11309 | 23338 | 76662 | 87971 | 40 |
| 70 | 12224 | 24258 | 75742 | 87966 | 30 |
| 80 | 13139 | 25178 | 74822 | 87961 | 20 |
| 90 | 14054 | 26098 | 73902 | 87956 | 10 |
| **74 oo** | 14969 | 27018 | 72982 | 87951 | **26 oo** |
| 10 | 15883 | 27937 | 72063 | 87946 | 90 |
| 20 | 16798 | 28857 | 71143 | 87941 | 80 |
| 30 | 17712 | 29776 | 70224 | 87936 | 70 |
| 40 | 18625 | 30695 | 69305 | 87931 | 60 |
| 50 | 19539 | 31614 | 68386 | 87926 | 50 |
| 60 | 20453 | 32532 | 67468 | 87920 | 40 |
| 70 | 21366 | 33451 | 66549 | 87915 | 30 |
| 80 | 22279 | 34369 | 65631 | 87910 | 20 |
| 90 | 23192 | 35287 | 64713 | 87905 | 10 |
| **75 oo** | 24105 | 36205 | 63795 | 87900 | **25 oo** |
| | **8.87** | **8.87** | **1.12** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **95g** |
| | 913 | 918 | 918 | 6 | |

| 4g | 912 | 918 | 918 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.87** | **8.87** | **1.12** | **9.99** | |
| **75 oo** | 24105 | 36205 | 63795 | 87900 | **25 oo** |
| 10 | 25017 | 37122 | 62878 | 87895 | 90 |
| 20 | 25929 | 38040 | 61960 | 87890 | 80 |
| 30 | 26841 | 38957 | 61043 | 87885 | 70 |
| 40 | 27753 | 39874 | 60126 | 87880 | 60 |
| 50 | 28665 | 40791 | 59209 | 87875 | 50 |
| 60 | 29577 | 41707 | 58293 | 87869 | 40 |
| 70 | 30488 | 42624 | 57376 | 87864 | 30 |
| 80 | 31399 | 43540 | 56460 | 87859 | 20 |
| 90 | 32310 | 44456 | 55544 | 87854 | 10 |
| **76 oo** | 33221 | 45372 | 54628 | 87849 | **24 oo** |
| 10 | 34132 | 46288 | 53712 | 87844 | 90 |
| 20 | 35042 | 47203 | 52797 | 87839 | 80 |
| 30 | 35952 | 48119 | 51881 | 87834 | 70 |
| 40 | 36862 | 49034 | 50966 | 87829 | 60 |
| 50 | 37772 | 49949 | 50051 | 87823 | 50 |
| 60 | 38682 | 50863 | 49137 | 87818 | 40 |
| 70 | 39591 | 51778 | 48222 | 87813 | 30 |
| 80 | 40500 | 52692 | 47308 | 87808 | 20 |
| 90 | 41409 | 53606 | 46394 | 87803 | 10 |
| **77 oo** | 42318 | 54520 | 45480 | 87798 | **23 oo** |
| 10 | 43227 | 55434 | 44566 | 87793 | 90 |
| 20 | 44135 | 56348 | 43652 | 87788 | 80 |
| 30 | 45044 | 57261 | 42739 | 87782 | 70 |
| 40 | 45952 | 58174 | 41826 | 87777 | 60 |
| 50 | 46860 | 59087 | 40913 | 87772 | 50 |
| 60 | 47767 | 60000 | 40000 | 87767 | 40 |
| 70 | 48675 | 60913 | 39087 | 87762 | 30 |
| 80 | 49582 | 61825 | 38175 | 87757 | 20 |
| 90 | 50489 | 62738 | 37262 | 87752 | 10 |
| **78 oo** | 51396 | 63650 | 36350 | 87747 | **22 oo** |
| 10 | 52303 | 64562 | 35438 | 87741 | 90 |
| 20 | 53210 | 65473 | 34527 | 87736 | 80 |
| 30 | 54116 | 66385 | 33615 | 87731 | 70 |
| 40 | 55022 | 67296 | 32704 | 87726 | 60 |
| 50 | 55928 | 68207 | 31793 | 87721 | 50 |
| 60 | 56834 | 69118 | 30882 | 87716 | 40 |
| 70 | 57740 | 70029 | 29971 | 87711 | 30 |
| 80 | 58645 | 70940 | 29060 | 87705 | 20 |
| 90 | 59550 | 71850 | 28150 | 87700 | 10 |
| **79 oo** | 60455 | 72760 | 27240 | 87695 | **21 oo** |
| 10 | 61360 | 73670 | 26330 | 87690 | 90 |
| 20 | 62265 | 74580 | 25420 | 87685 | 80 |
| 30 | 63169 | 75490 | 24510 | 87680 | 70 |
| 40 | 64074 | 76399 | 23601 | 87675 | 60 |
| 50 | 64978 | 77308 | 22692 | 87669 | 50 |
| 60 | 65882 | 78217 | 21783 | 87664 | 40 |
| 70 | 66785 | 79126 | 20874 | 87659 | 30 |
| 80 | 67689 | 80035 | 19965 | 87654 | 20 |
| 90 | 68592 | 80943 | 19057 | 87649 | 10 |
| **80 oo** | 69496 | 81852 | 18148 | 87644 | **20 oo** |
| | **8.87** | **8.87** | **1.12** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **95g** |
| | 903 | 908 | 908 | 6 | |

| | 924 | 923 | 922 | 921 | 920 | 918 | 917 | 916 | 915 | 914 | 913 | 911 | 910 | 909 | 908 | 907 | 905 | 904 | 903 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 92,4 | 92,3 | 92,2 | 92,1 | 92,0 | 91,8 | 91,7 | 91,6 | 91,5 | 91,4 | 91,3 | 91,1 | 91,0 | 90,9 | 90,8 | 90,7 | 90,5 | 90,4 | 90,3 | 1 |
| 2 | 184,8 | 184,6 | 184,4 | 184,2 | 184,0 | 183,6 | 183,4 | 183,2 | 183,0 | 182,8 | 182,6 | 182,2 | 182,0 | 181,8 | 181,6 | 181,4 | 181,0 | 180,8 | 180,6 | 2 |
| 3 | 277,2 | 276,9 | 276,6 | 276,3 | 276,0 | 275,4 | 275,1 | 274,8 | 274,5 | 274,2 | 273,9 | 273,3 | 273,0 | 272,7 | 272,4 | 272,1 | 271,5 | 271,2 | 270,9 | 3 |
| 4 | 369,6 | 369,2 | 368,8 | 368,4 | 368,0 | 367,2 | 366,8 | 366,4 | 366,0 | 365,6 | 365,2 | 364,4 | 364,0 | 363,6 | 363,2 | 362,8 | 362,0 | 361,6 | 361,2 | 4 |
| 5 | 462,0 | 461,5 | 461,0 | 460,5 | 460,0 | 459,0 | 458,5 | 458,0 | 457,5 | 457,0 | 456,5 | 455,5 | 455,0 | 454,5 | 454,0 | 453,5 | 452,5 | 452,0 | 451,5 | 5 |
| 6 | 554,4 | 553,8 | 553,2 | 552,6 | 552,0 | 550,8 | 550,2 | 549,6 | 549,0 | 548,4 | 547,8 | 546,6 | 546,0 | 545,4 | 544,8 | 544,2 | 543,0 | 542,4 | 541,8 | 6 |
| 7 | 646,8 | 646,1 | 645,4 | 644,7 | 644,0 | 642,6 | 641,9 | 641,2 | 640,5 | 639,8 | 639,1 | 637,7 | 637,0 | 636,3 | 635,6 | 634,9 | 633,5 | 632,8 | 632,1 | 7 |
| 8 | 739,2 | 738,4 | 737,6 | 736,8 | 736,0 | 734,4 | 733,6 | 732,8 | 732,0 | 731,2 | 730,4 | 728,8 | 728,0 | 727,2 | 726,4 | 725,6 | 724,0 | 723,2 | 722,4 | 8 |
| 9 | 831,6 | 830,7 | 829,8 | 828,9 | 828,0 | 826,2 | 825,3 | 824,4 | 823,5 | 822,6 | 821,7 | 819,9 | 819,0 | 818,1 | 817,2 | 816,3 | 814,5 | 813,6 | 812,7 | 9 |

| $4^g$ | 903 | 908 | 908 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.87** | ∗**8.87** | ∗**1.12** | **9.99** | |
| **80 oo** | 69496 | ∗81852 | ∗18148 | 87644 | **20 oo** |
| 10 | 70398 | ∗82760 | ∗17240 | 87639 | 90 |
| 20 | 71301 | ∗83668 | ∗16332 | 87633 | 80 |
| 30 | 72204 | ∗84576 | ∗15424 | 87628 | 70 |
| 40 | 73106 | ∗85483 | ∗14517 | 87623 | 60 |
| 50 | 74008 | ∗86391 | ∗13609 | 87618 | 50 |
| 60 | 74910 | ∗87298 | ∗12702 | 87613 | 40 |
| 70 | 75812 | ∗88205 | ∗11795 | 87608 | 30 |
| 80 | 76714 | ∗89112 | ∗10888 | 87602 | 20 |
| 90 | 77615 | ∗90018 | ∗09982 | 87597 | 10 |
| **81 oo** | 78517 | ∗90925 | ∗09075 | 87592 | **19 oo** |
| 10 | 79418 | ∗91831 | ∗08169 | 87587 | 90 |
| 20 | 80319 | ∗92737 | ∗07263 | 87582 | 80 |
| 30 | 81219 | ∗93643 | ∗06357 | 87577 | 70 |
| 40 | 82120 | ∗94548 | ∗05452 | 87571 | 60 |
| 50 | 83020 | ∗95454 | ∗04546 | 87566 | 50 |
| 60 | 83920 | ∗96359 | ∗03641 | 87561 | 40 |
| 70 | 84820 | ∗97264 | ∗02736 | 87556 | 30 |
| 80 | 85720 | ∗98169 | ∗01831 | 87551 | 20 |
| 90 | 86620 | ∗99074 | ∗00926 | 87546 | 10 |
| **82 oo** | 87519 | ∗99979 | ∗00021 | 87540 | **18 oo** |
| 10 | 88418 | 00883 | 99117 | 87535 | 90 |
| 20 | 89317 | 01787 | 98213 | 87530 | 80 |
| 30 | 90216 | 02691 | 97309 | 87525 | 70 |
| 40 | 91115 | 03595 | 96405 | 87520 | 60 |
| 50 | 92013 | 04499 | 95501 | 87515 | 50 |
| 60 | 92912 | 05402 | 94598 | 87509 | 40 |
| 70 | 93810 | 06306 | 93694 | 87504 | 30 |
| 80 | 94708 | 07209 | 92791 | 87499 | 20 |
| 90 | 95605 | 08111 | 91889 | 87494 | 10 |
| **83 oo** | 96503 | 09014 | 90986 | 87489 | **17 oo** |
| 10 | 97400 | 09917 | 90083 | 87483 | 90 |
| 20 | 98297 | 10819 | 89181 | 87478 | 80 |
| 30 | 99194 | 11721 | 88279 | 87473 | 70 |
| 40 | ∗00091 | 12623 | 87377 | 87468 | 60 |
| 50 | ∗00988 | 13525 | 86475 | 87463 | 50 |
| 60 | ∗01884 | 14427 | 85573 | 87457 | 40 |
| 70 | ∗02780 | 15328 | 84672 | 87452 | 30 |
| 80 | ∗03676 | 16229 | 83771 | 87447 | 20 |
| 90 | ∗04572 | 17130 | 82870 | 87442 | 10 |
| **84 oo** | ∗05468 | 18031 | 81969 | 87437 | **16 oo** |
| 10 | ∗06363 | 18932 | 81068 | 87432 | 90 |
| 20 | ∗07259 | 19832 | 80168 | 87426 | 80 |
| 30 | ∗08154 | 20733 | 79267 | 87421 | 70 |
| 40 | ∗09049 | 21633 | 78367 | 87416 | 60 |
| 50 | ∗09943 | 22533 | 77467 | 87411 | 50 |
| 60 | ∗10838 | 23432 | 76568 | 87406 | 40 |
| 70 | ∗11732 | 24332 | 75668 | 87400 | 30 |
| 80 | ∗12626 | 25231 | 74769 | 87395 | 20 |
| 90 | ∗13520 | 26131 | 73869 | 87390 | 10 |
| **85 oo** | ∗14414 | 27030 | 72970 | 87385 | **15 oo** |
| | ∗**8.88** | **8.88** | **1.11** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 894 | 899 | 899 | 6 | |

| $4^g$ | 894 | 899 | 899 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.88** | **8.88** | **1.11** | **9.99** | |
| **85 oo** | 14414 | 27030 | 72970 | 87385 | **15 oo** |
| 10 | 15308 | 27928 | 72072 | 87379 | 90 |
| 20 | 16201 | 28827 | 71173 | 87374 | 80 |
| 30 | 17095 | 29726 | 70274 | 87369 | 70 |
| 40 | 17988 | 30624 | 69376 | 87364 | 60 |
| 50 | 18881 | 31522 | 68478 | 87359 | 50 |
| 60 | 19773 | 32420 | 67580 | 87353 | 40 |
| 70 | 20666 | 33318 | 66682 | 87348 | 30 |
| 80 | 21558 | 34215 | 65785 | 87343 | 20 |
| 90 | 22450 | 35113 | 64887 | 87338 | 10 |
| **86 oo** | 23342 | 36010 | 63990 | 87333 | **14 oo** |
| 10 | 24234 | 36907 | 63093 | 87327 | 90 |
| 20 | 25126 | 37804 | 62196 | 87322 | 80 |
| 30 | 26017 | 38700 | 61300 | 87317 | 70 |
| 40 | 26908 | 39597 | 60403 | 87312 | 60 |
| 50 | 27799 | 40493 | 59507 | 87306 | 50 |
| 60 | 28690 | 41389 | 58611 | 87301 | 40 |
| 70 | 29581 | 42285 | 57715 | 87296 | 30 |
| 80 | 30471 | 43181 | 56819 | 87291 | 20 |
| 90 | 31362 | 44076 | 55924 | 87286 | 10 |
| **87 oo** | 32252 | 44971 | 55029 | 87280 | **13 oo** |
| 10 | 33142 | 45867 | 54133 | 87275 | 90 |
| 20 | 34032 | 46762 | 53238 | 87270 | 80 |
| 30 | 34921 | 47656 | 52344 | 87265 | 70 |
| 40 | 35810 | 48551 | 51449 | 87259 | 60 |
| 50 | 36700 | 49446 | 50554 | 87254 | 50 |
| 60 | 37589 | 50340 | 49660 | 87249 | 40 |
| 70 | 38478 | 51234 | 48766 | 87244 | 30 |
| 80 | 39366 | 52128 | 47872 | 87238 | 20 |
| 90 | 40255 | 53021 | 46979 | 87233 | 10 |
| **88 oo** | 41143 | 53915 | 46085 | 87228 | **12 oo** |
| 10 | 42031 | 54808 | 45192 | 87223 | 90 |
| 20 | 42919 | 55702 | 44298 | 87218 | 80 |
| 30 | 43807 | 56595 | 43405 | 87212 | 70 |
| 40 | 44694 | 57487 | 42513 | 87207 | 60 |
| 50 | 45582 | 58380 | 41620 | 87202 | 50 |
| 60 | 46469 | 59272 | 40728 | 87197 | 40 |
| 70 | 47356 | 60165 | 39835 | 87191 | 30 |
| 80 | 48243 | 61057 | 38943 | 87186 | 20 |
| 90 | 49129 | 61949 | 38051 | 87181 | 10 |
| **89 oo** | 50016 | 62840 | 37160 | 87176 | **11 oo** |
| 10 | 50902 | 63732 | 36268 | 87170 | 90 |
| 20 | 51788 | 64623 | 35377 | 87165 | 80 |
| 30 | 52674 | 65514 | 34486 | 87160 | 70 |
| 40 | 53560 | 66405 | 33595 | 87155 | 60 |
| 50 | 54446 | 67296 | 32704 | 87149 | 50 |
| 60 | 55331 | 68187 | 31813 | 87144 | 40 |
| 70 | 56216 | 69077 | 30923 | 87139 | 30 |
| 80 | 57101 | 69968 | 30032 | 87133 | 20 |
| 90 | 57986 | 70858 | 29142 | 87128 | 10 |
| **90 oo** | 58871 | 71748 | 28252 | 87123 | **10 oo** |
| | **8.88** | **8.88** | **1.11** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 885 | 890 | 890 | 6 | |

| | 908 | 907 | 906 | 905 | 904 | 902 | 901 | 900 | 899 | 898 | 897 | 896 | 895 | 894 | 892 | 891 | 890 | 889 | 888 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 90,8 | 90,7 | 90,6 | 90,5 | 90,4 | 90,2 | 90,1 | 90,0 | 89,9 | 89,8 | 89,7 | 89,6 | 89,5 | 89,4 | 89,2 | 89,1 | 89,0 | 88,9 | 88,8 | 1 |
| 2 | 181,6 | 181,4 | 181,2 | 181,0 | 180,8 | 180,4 | 180,2 | 180,0 | 179,8 | 179,6 | 179,4 | 179,2 | 179,0 | 178,8 | 178,4 | 178,2 | 178,0 | 177,8 | 177,6 | 2 |
| 3 | 272,4 | 272,1 | 271,8 | 271,5 | 271,2 | 270,6 | 270,3 | 270,0 | 269,7 | 269,4 | 269,1 | 268,8 | 268,5 | 268,2 | 267,6 | 267,3 | 267,0 | 266,7 | 266,4 | 3 |
| 4 | 363,2 | 362,8 | 362,4 | 362,0 | 361,6 | 360,8 | 360,4 | 360,0 | 359,6 | 359,2 | 358,8 | 358,4 | 358,0 | 357,6 | 356,8 | 356,4 | 356,0 | 355,6 | 355,2 | 4 |
| 5 | 454,0 | 453,5 | 453,0 | 452,5 | 452,0 | 451,0 | 450,5 | 450,0 | 449,5 | 449,0 | 448,5 | 448,0 | 447,5 | 447,0 | 446,0 | 445,5 | 445,0 | 444,5 | 444,0 | 5 |
| 6 | 544,8 | 544,2 | 543,6 | 543,0 | 542,4 | 541,2 | 540,6 | 540,0 | 539,4 | 538,8 | 538,2 | 537,6 | 537,0 | 536,4 | 535,2 | 534,6 | 534,0 | 533,4 | 532,8 | 6 |
| 7 | 635,6 | 634,9 | 634,2 | 633,5 | 632,8 | 631,4 | 630,7 | 630,0 | 629,3 | 628,6 | 627,9 | 627,2 | 626,5 | 625,8 | 624,4 | 623,7 | 623,0 | 622,3 | 621,6 | 7 |
| 8 | 726,4 | 725,6 | 724,8 | 724,0 | 723,2 | 721,6 | 720,8 | 720,0 | 719,2 | 718,4 | 717,6 | 716,8 | 716,0 | 715,2 | 713,6 | 712,8 | 712,0 | 711,2 | 710,4 | 8 |
| 9 | 817,2 | 816,3 | 815,4 | 814,5 | 813,6 | 811,8 | 810,9 | 810,0 | 809,1 | 808,2 | 807,3 | 806,4 | 805,5 | 804,6 | 802,8 | 801,9 | 801,0 | 800,1 | 799,2 | 9 |

| $4^g$ | 885 | 890 | 890 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.88** | **8.88** | **1.11** | **9.99** | |
| **90 oo** | 58871 | 71748 | 28252 | 87123 | **10 oo** |
| 10 | 59755 | 72637 | 27363 | 87118 | 90 |
| 20 | 60639 | 73527 | 26473 | 87112 | 80 |
| 30 | 61524 | 74416 | 25584 | 87107 | 70 |
| 40 | 62407 | 75306 | 24694 | 87102 | 60 |
| 50 | 63291 | 76195 | 23805 | 87097 | 50 |
| 60 | 64175 | 77083 | 22917 | 87091 | 40 |
| 70 | 65058 | 77972 | 22028 | 87086 | 30 |
| 80 | 65941 | 78860 | 21140 | 87081 | 20 |
| 90 | 66824 | 79749 | 20251 | 87076 | 10 |
| **91 oo** | 67707 | 80637 | 19363 | 87070 | **09 oo** |
| 10 | 68590 | 81525 | 18475 | 87065 | 90 |
| 20 | 69472 | 82413 | 17587 | 87060 | 80 |
| 30 | 70355 | 83300 | 16700 | 87054 | 70 |
| 40 | 71237 | 84188 | 15812 | 87049 | 60 |
| 50 | 72119 | 85075 | 14925 | 87044 | 50 |
| 60 | 73001 | 85962 | 14038 | 87039 | 40 |
| 70 | 73882 | 86849 | 13151 | 87033 | 30 |
| 80 | 74763 | 87735 | 12265 | 87028 | 20 |
| 90 | 75645 | 88622 | 11378 | 87023 | 10 |
| **92 oo** | 76526 | 89508 | 10492 | 87018 | **08 oo** |
| 10 | 77407 | 90394 | 09606 | 87012 | 90 |
| 20 | 78287 | 91280 | 08720 | 87007 | 80 |
| 30 | 79168 | 92166 | 07834 | 87002 | 70 |
| 40 | 80048 | 93052 | 06948 | 86996 | 60 |
| 50 | 80928 | 93937 | 06063 | 86991 | 50 |
| 60 | 81808 | 94822 | 05178 | 86986 | 40 |
| 70 | 82688 | 95708 | 04292 | 86981 | 30 |
| 80 | 83568 | 96592 | 03408 | 86975 | 20 |
| 90 | 84447 | 97477 | 02523 | 86970 | 10 |
| **93 oo** | 85326 | 98362 | 01638 | 86965 | **07 oo** |
| 10 | 86205 | 99246 | 00754 | 86959 | 90 |
| 20 | 87084 | *00130 | *99870 | 86954 | 80 |
| 30 | 87963 | *01014 | *98986 | 86949 | 70 |
| 40 | 88842 | *01898 | *98102 | 86943 | 60 |
| 50 | 89720 | *02782 | *97218 | 86938 | 50 |
| 60 | 90598 | *03665 | *96335 | 86933 | 40 |
| 70 | 91476 | *04548 | *95452 | 86928 | 30 |
| 80 | 92354 | *05432 | *94568 | 86922 | 20 |
| 90 | 93232 | *06315 | *93685 | 86917 | 10 |
| **94 oo** | 94109 | *07197 | *92803 | 86912 | **06 oo** |
| 10 | 94986 | *08080 | *91920 | 86906 | 90 |
| 20 | 95863 | *08962 | *91038 | 86901 | 80 |
| 30 | 96740 | *09845 | *90155 | 86896 | 70 |
| 40 | 97617 | *10727 | *89273 | 86890 | 60 |
| 50 | 98494 | *11608 | *88392 | 86885 | 50 |
| 60 | 99370 | *12490 | *87510 | 86880 | 40 |
| 70 | *00246 | *13372 | *86628 | 86875 | 30 |
| 80 | *01122 | *14253 | *85747 | 86869 | 20 |
| 90 | *01998 | *15134 | *84866 | 86864 | 10 |
| **95 oo** | *02874 | *16015 | *83985 | 86859 | **05 oo** |
| | ***8.89** | ***8.89** | ***1.10** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 876 | 881 | 881 | 6 | |

| $4^g$ | 876 | 881 | 881 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.89** | **8.89** | **1.10** | **9.99** | |
| **95 oo** | 02874 | 16015 | 83985 | 86859 | **05 oo** |
| 10 | 03749 | 16896 | 83104 | 86853 | 90 |
| 20 | 04625 | 17777 | 82223 | 86848 | 80 |
| 30 | 05500 | 18657 | 81343 | 86843 | 70 |
| 40 | 06375 | 19537 | 80463 | 86837 | 60 |
| 50 | 07250 | 20418 | 79582 | 86832 | 50 |
| 60 | 08124 | 21298 | 78702 | 86827 | 40 |
| 70 | 08999 | 22177 | 77823 | 86821 | 30 |
| 80 | 09873 | 23057 | 76943 | 86816 | 20 |
| 90 | 10747 | 23936 | 76064 | 86811 | 10 |
| **96 oo** | 11621 | 24816 | 75184 | 86805 | **04 oo** |
| 10 | 12495 | 25695 | 74305 | 86800 | 90 |
| 20 | 13368 | 26573 | 73427 | 86795 | 80 |
| 30 | 14242 | 27452 | 72548 | 86789 | 70 |
| 40 | 15115 | 28331 | 71669 | 86784 | 60 |
| 50 | 15988 | 29209 | 70791 | 86779 | 50 |
| 60 | 16861 | 30087 | 69913 | 86773 | 40 |
| 70 | 17733 | 30965 | 69035 | 86768 | 30 |
| 80 | 18606 | 31843 | 68157 | 86763 | 20 |
| 90 | 19478 | 32721 | 67279 | 86757 | 10 |
| **97 oo** | 20350 | 33598 | 66402 | 86752 | **03 oo** |
| 10 | 21222 | 34476 | 65524 | 86747 | 90 |
| 20 | 22094 | 35353 | 64647 | 86741 | 80 |
| 30 | 22966 | 36230 | 63770 | 86736 | 70 |
| 40 | 23837 | 37106 | 62894 | 86731 | 60 |
| 50 | 24708 | 37983 | 62017 | 86725 | 50 |
| 60 | 25579 | 38859 | 61141 | 86720 | 40 |
| 70 | 26450 | 39736 | 60264 | 86715 | 30 |
| 80 | 27321 | 40612 | 59388 | 86709 | 20 |
| 90 | 28192 | 41488 | 58512 | 86704 | 10 |
| **98 oo** | 29062 | 42363 | 57637 | 86699 | **02 oo** |
| 10 | 29932 | 43239 | 56761 | 86693 | 90 |
| 20 | 30802 | 44114 | 55886 | 86688 | 80 |
| 30 | 31672 | 44990 | 55010 | 86683 | 70 |
| 40 | 32542 | 45865 | 54135 | 86677 | 60 |
| 50 | 33411 | 46739 | 53261 | 86672 | 50 |
| 60 | 34281 | 47614 | 52386 | 86667 | 40 |
| 70 | 35150 | 48489 | 51511 | 86661 | 30 |
| 80 | 36019 | 49363 | 50637 | 86656 | 20 |
| 90 | 36888 | 50237 | 49763 | 86650 | 10 |
| **99 oo** | 37756 | 51111 | 48889 | 86645 | **01 oo** |
| 10 | 38625 | 51985 | 48015 | 86640 | 90 |
| 20 | 39493 | 52859 | 47141 | 86634 | 80 |
| 30 | 40361 | 53732 | 46268 | 86629 | 70 |
| 40 | 41229 | 54605 | 45395 | 86624 | 60 |
| 50 | 42097 | 55478 | 44522 | 86618 | 50 |
| 60 | 42964 | 56351 | 43649 | 86613 | 40 |
| 70 | 43832 | 57224 | 42776 | 86608 | 30 |
| 80 | 44699 | 58097 | 41903 | 86602 | 20 |
| 90 | 45566 | 58969 | 41031 | 86597 | 10 |
| **100 oo** | 46433 | 59842 | 40158 | 86591 | **00 oo** |
| | **8.89** | **8.89** | **1.10** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $95^g$ |
| | 867 | 872 | 872 | 6 | |

| | 887 | 886 | 885 | 884 | 883 | 881 | 880 | 879 | 878 | 877 | 876 | 875 | 874 | 873 | 871 | 870 | 869 | 868 | 867 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 88,7 | 88,6 | 88,5 | 88,4 | 88,3 | 88,1 | 88,0 | 87,9 | 87,8 | 87,7 | 87,6 | 87,5 | 87,4 | 87,3 | 87,1 | 87,0 | 86,9 | 86,8 | 86,7 | 1 |
| 2 | 177,4 | 177,2 | 177,0 | 176,8 | 176,6 | 176,2 | 176,0 | 175,8 | 175,6 | 175,4 | 175,2 | 175,0 | 174,8 | 174,6 | 174,2 | 174,0 | 173,8 | 173,6 | 173,4 | 2 |
| 3 | 266,1 | 265,8 | 265,5 | 265,2 | 264,9 | 264,3 | 264,0 | 263,7 | 263,4 | 263,1 | 262,8 | 262,5 | 262,2 | 261,9 | 261,3 | 261,0 | 260,7 | 260,4 | 260,1 | 3 |
| 4 | 354,8 | 354,4 | 354,0 | 353,6 | 353,2 | 352,4 | 352,0 | 351,6 | 351,2 | 350,8 | 350,4 | 350,0 | 349,6 | 349,2 | 348,4 | 348,0 | 347,6 | 347,2 | 346,8 | 4 |
| 5 | 443,5 | 443,0 | 442,5 | 442,0 | 441,5 | 440,5 | 440,0 | 439,5 | 439,0 | 438,5 | 438,0 | 437,5 | 437,0 | 436,5 | 435,5 | 435,0 | 434,5 | 434,0 | 433,5 | 5 |
| 6 | 532,2 | 531,6 | 531,0 | 530,4 | 529,8 | 528,6 | 528,0 | 527,4 | 526,8 | 526,2 | 525,6 | 525,0 | 524,4 | 523,8 | 522,6 | 522,0 | 521,4 | 520,8 | 520,2 | 6 |
| 7 | 620,9 | 620,2 | 619,5 | 618,8 | 618,1 | 616,7 | 616,0 | 615,3 | 614,6 | 613,9 | 613,2 | 612,5 | 611,8 | 611,1 | 609,7 | 609,0 | 608,3 | 607,6 | 606,9 | 7 |
| 8 | 709,6 | 708,8 | 708,0 | 707,2 | 706,4 | 704,8 | 704,0 | 703,2 | 702,4 | 701,6 | 700,8 | 700,0 | 699,2 | 698,4 | 696,8 | 696,0 | 695,2 | 694,4 | 693,6 | 8 |
| 9 | 798,3 | 797,4 | 796,5 | 795,6 | 794,7 | 792,9 | 792,0 | 791,1 | 790,2 | 789,3 | 788,4 | 787,5 | 786,6 | 785,7 | 783,9 | 783,0 | 782,1 | 781,2 | 780,3 | 9 |

| 5g | 867 | 872 | 872 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.89** | **8.89** | **1.10** | **9.99** | |
| **00 oo** | 46433 | 59842 | 40158 | 86591 | **100 oo** |
| 10 | 47300 | 60714 | 39286 | 86586 | 90 |
| 20 | 48166 | 61586 | 38414 | 86581 | 80 |
| 30 | 49033 | 62457 | 37543 | 86575 | 70 |
| 40 | 49899 | 63329 | 36671 | 86570 | 60 |
| 50 | 50765 | 64200 | 35800 | 86565 | 50 |
| 60 | 51631 | 65071 | 34929 | 86559 | 40 |
| 70 | 52496 | 65942 | 34058 | 86554 | 30 |
| 80 | 53362 | 66813 | 33187 | 86548 | 20 |
| 90 | 54227 | 67684 | 32316 | 86543 | 10 |
| **01 oo** | 55092 | 68555 | 31445 | 86538 | **99 oo** |
| 10 | 55957 | 69425 | 30575 | 86532 | 90 |
| 20 | 56822 | 70295 | 29705 | 86527 | 80 |
| 30 | 57687 | 71165 | 28835 | 86522 | 70 |
| 40 | 58551 | 72035 | 27965 | 86516 | 60 |
| 50 | 59415 | 72905 | 27095 | 86511 | 50 |
| 60 | 60280 | 73774 | 26226 | 86505 | 40 |
| 70 | 61144 | 74643 | 25357 | 86500 | 30 |
| 80 | 62007 | 75513 | 24487 | 86495 | 20 |
| 90 | 62871 | 76382 | 23618 | 86489 | 10 |
| **02 oo** | 63734 | 77250 | 22750 | 86484 | **98 oo** |
| 10 | 64598 | 78119 | 21881 | 86478 | 90 |
| 20 | 65461 | 78988 | 21012 | 86473 | 80 |
| 30 | 66324 | 79856 | 20144 | 86468 | 70 |
| 40 | 67186 | 80724 | 19276 | 86462 | 60 |
| 50 | 68049 | 81592 | 18408 | 86457 | 50 |
| 60 | 68911 | 82460 | 17540 | 86452 | 40 |
| 70 | 69773 | 83327 | 16673 | 86446 | 30 |
| 80 | 70635 | 84195 | 15805 | 86441 | 20 |
| 90 | 71497 | 85062 | 14938 | 86435 | 10 |
| **03 oo** | 72359 | 85929 | 14071 | 86430 | **97 oo** |
| 10 | 73221 | 86796 | 13204 | 86425 | 90 |
| 20 | 74082 | 87663 | 12337 | 86419 | 80 |
| 30 | 74943 | 88529 | 11471 | 86414 | 70 |
| 40 | 75804 | 89396 | 10604 | 86408 | 60 |
| 50 | 76665 | 90262 | 09738 | 86403 | 50 |
| 60 | 77526 | 91128 | 08872 | 86397 | 40 |
| 70 | 78386 | 91994 | 08006 | 86392 | 30 |
| 80 | 79246 | 92860 | 07140 | 86387 | 20 |
| 90 | 80107 | 93725 | 06275 | 86381 | 10 |
| **04 oo** | 80967 | 94591 | 05409 | 86376 | **96 oo** |
| 10 | 81826 | 95456 | 04544 | 86370 | 90 |
| 20 | 82686 | 96321 | 03679 | 86365 | 80 |
| 30 | 83545 | 97186 | 02814 | 86360 | 70 |
| 40 | 84405 | 98051 | 01949 | 86354 | 60 |
| 50 | 85264 | 98915 | 01085 | 86349 | 50 |
| 60 | 86123 | 99779 | 00221 | 86343 | 40 |
| 70 | 86982 | *00644 | *99356 | 86338 | 30 |
| 80 | 87840 | *01508 | *98492 | 86333 | 20 |
| 90 | 88699 | *02372 | *97628 | 86327 | 10 |
| **05 oo** | 89557 | *03235 | *96765 | 86322 | **95 oo** |
| | **8.89** | ***8.90** | ***1.09** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 858 | 863 | 863 | 6 | **94g** |

| 5g | 858 | 864 | 864 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***8.89** | **8.90** | **1.09** | **9.99** | |
| **05 oo** | *89557 | 03235 | 96765 | 86322 | **95 oo** |
| 10 | *90415 | 04099 | 95901 | 86316 | 90 |
| 20 | *91273 | 04962 | 95038 | 86311 | 80 |
| 30 | *92131 | 05825 | 94175 | 86305 | 70 |
| 40 | *92988 | 06688 | 93312 | 86300 | 60 |
| 50 | *93846 | 07551 | 92449 | 86295 | 50 |
| 60 | *94703 | 08414 | 91586 | 86289 | 40 |
| 70 | *95560 | 09276 | 90724 | 86284 | 30 |
| 80 | *96417 | 10139 | 89861 | 86278 | 20 |
| 90 | *97274 | 11001 | 88999 | 86273 | 10 |
| **06 oo** | *98130 | 11863 | 88137 | 86267 | **94 oo** |
| 10 | *98987 | 12725 | 87275 | 86262 | 90 |
| 20 | *99843 | 13586 | 86414 | 86257 | 80 |
| 30 | 00699 | 14448 | 85552 | 86251 | 70 |
| 40 | 01555 | 15309 | 84691 | 86246 | 60 |
| 50 | 02411 | 16170 | 83830 | 86240 | 50 |
| 60 | 03266 | 17031 | 82969 | 86235 | 40 |
| 70 | 04121 | 17892 | 82108 | 86229 | 30 |
| 80 | 04977 | 18753 | 81247 | 86224 | 20 |
| 90 | 05832 | 19613 | 80387 | 86218 | 10 |
| **07 oo** | 06687 | 20474 | 79526 | 86213 | **93 oo** |
| 10 | 07541 | 21334 | 78666 | 86208 | 90 |
| 20 | 08396 | 22194 | 77806 | 86202 | 80 |
| 30 | 09250 | 23054 | 76946 | 86197 | 70 |
| 40 | 10104 | 23913 | 76087 | 86191 | 60 |
| 50 | 10958 | 24773 | 75227 | 86186 | 50 |
| 60 | 11812 | 25632 | 74368 | 86180 | 40 |
| 70 | 12666 | 26491 | 73509 | 86175 | 30 |
| 80 | 13519 | 27350 | 72650 | 86169 | 20 |
| 90 | 14373 | 28209 | 71791 | 86164 | 10 |
| **08 oo** | 15226 | 29067 | 70933 | 86159 | **92 oo** |
| 10 | 16079 | 29926 | 70074 | 86153 | 90 |
| 20 | 16932 | 30784 | 69216 | 86148 | 80 |
| 30 | 17785 | 31642 | 68358 | 86142 | 70 |
| 40 | 18637 | 32500 | 67500 | 86137 | 60 |
| 50 | 19489 | 33358 | 66642 | 86131 | 50 |
| 60 | 20342 | 34216 | 65784 | 86126 | 40 |
| 70 | 21194 | 35073 | 64927 | 86120 | 30 |
| 80 | 22045 | 35931 | 64069 | 86115 | 20 |
| 90 | 22897 | 36788 | 63212 | 86109 | 10 |
| **09 oo** | 23749 | 37645 | 62355 | 86104 | **91 oo** |
| 10 | 24600 | 38501 | 61499 | 86098 | 90 |
| 20 | 25451 | 39358 | 60642 | 86093 | 80 |
| 30 | 26302 | 40214 | 59786 | 86087 | 70 |
| 40 | 27153 | 41071 | 58929 | 86082 | 60 |
| 50 | 28003 | 41927 | 58073 | 86077 | 50 |
| 60 | 28854 | 42783 | 57217 | 86071 | 40 |
| 70 | 29704 | 43639 | 56361 | 86066 | 30 |
| 80 | 30554 | 44494 | 55506 | 86060 | 20 |
| 90 | 31404 | 45350 | 54650 | 86055 | 10 |
| **10 oo** | 32254 | 46205 | 53795 | 86049 | **90 oo** |
| | **8.90** | **8.90** | **1.09** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 850 | 855 | 855 | 6 | **94g** |

| | 872 | 871 | 870 | 869 | 868 | 867 | 866 | 865 | 864 | 863 | 861 | 860 | 859 | 858 | 857 | 856 | 855 | 854 | 853 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 87,2 | 87,1 | 87,0 | 86,9 | 86,8 | 86,7 | 86,6 | 86,5 | 86,4 | 86,3 | 86,1 | 86,0 | 85,9 | 85,8 | 85,7 | 85,6 | 85,5 | 85,4 | 85,3 | 1 |
| 2 | 174,4 | 174,2 | 174,0 | 173,8 | 173,6 | 173,4 | 173,2 | 173,0 | 172,8 | 172,6 | 172,2 | 172,0 | 171,8 | 171,6 | 171,4 | 171,2 | 171,0 | 170,8 | 170,6 | 2 |
| 3 | 261,6 | 261,3 | 261,0 | 260,7 | 260,4 | 260,1 | 259,8 | 259,5 | 259,2 | 258,9 | 258,3 | 258,0 | 257,7 | 257,4 | 257,1 | 256,8 | 256,5 | 256,2 | 255,9 | 3 |
| 4 | 348,8 | 348,4 | 348,0 | 347,6 | 347,2 | 346,8 | 346,4 | 346,0 | 345,6 | 345,2 | 344,4 | 344,0 | 343,6 | 343,2 | 342,8 | 342,4 | 342,0 | 341,6 | 341,2 | 4 |
| 5 | 436,0 | 435,5 | 435,0 | 434,5 | 434,0 | 433,5 | 433,0 | 432,5 | 432,0 | 431,5 | 430,5 | 430,0 | 429,5 | 429,0 | 428,5 | 428,0 | 427,5 | 427,0 | 426,5 | 5 |
| 6 | 523,2 | 522,6 | 522,0 | 521,4 | 520,8 | 520,2 | 519,6 | 519,0 | 518,4 | 517,8 | 516,6 | 516,0 | 515,4 | 514,8 | 514,2 | 513,6 | 513,0 | 512,4 | 511,8 | 6 |
| 7 | 610,4 | 609,7 | 609,0 | 608,3 | 607,6 | 606,9 | 606,2 | 605,5 | 604,8 | 604,1 | 602,7 | 602,0 | 601,3 | 600,6 | 599,9 | 599,2 | 598,5 | 597,8 | 597,1 | 7 |
| 8 | 697,6 | 696,8 | 696,0 | 695,2 | 694,4 | 693,6 | 692,8 | 692,0 | 691,2 | 690,4 | 688,8 | 688,0 | 687,2 | 686,4 | 685,6 | 684,8 | 684,0 | 683,2 | 682,4 | 8 |
| 9 | 784,8 | 783,9 | 783,0 | 782,1 | 781,2 | 780,3 | 779,4 | 778,5 | 777,6 | 776,7 | 774,9 | 774,0 | 773,1 | 772,2 | 771,3 | 770,4 | 769,5 | 768,6 | 767,7 | 9 |

| 5g | 850 | 855 | 855 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.90** | **8.90** | **1.09** | **9.99** | |
| **10 oo** | 32254 | 46205 | 53795 | 86049 | **90 oo** |
| 10 | 33104 | 47060 | 52940 | 86044 | 90 |
| 20 | 33953 | 47915 | 52085 | 86038 | 80 |
| 30 | 34803 | 48770 | 51230 | 86033 | 70 |
| 40 | 35652 | 49625 | 50375 | 86027 | 60 |
| 50 | 36501 | 50479 | 49521 | 86022 | 50 |
| 60 | 37350 | 51333 | 48667 | 86016 | 40 |
| 70 | 38198 | 52187 | 47813 | 86011 | 30 |
| 80 | 39047 | 53041 | 46959 | 86005 | 20 |
| 90 | 39895 | 53895 | 46105 | 86000 | 10 |
| **11 oo** | 40743 | 54749 | 45251 | 85994 | **89 oo** |
| 10 | 41591 | 55602 | 44398 | 85989 | 90 |
| 20 | 42439 | 56456 | 43544 | 85983 | 80 |
| 30 | 43287 | 57309 | 42691 | 85978 | 70 |
| 40 | 44134 | 58162 | 41838 | 85972 | 60 |
| 50 | 44981 | 59015 | 40985 | 85967 | 50 |
| 60 | 45829 | 59867 | 40133 | 85961 | 40 |
| 70 | 46676 | 60720 | 39280 | 85956 | 30 |
| 80 | 47522 | 61572 | 38428 | 85950 | 20 |
| 90 | 48369 | 62424 | 37576 | 85945 | 10 |
| **12 oo** | 49216 | 63276 | 36724 | 85939 | **88 oo** |
| 10 | 50062 | 64128 | 35872 | 85934 | 90 |
| 20 | 50908 | 64980 | 35020 | 85928 | 80 |
| 30 | 51754 | 65831 | 34169 | 85923 | 70 |
| 40 | 52600 | 66682 | 33318 | 85917 | 60 |
| 50 | 53446 | 67534 | 32466 | 85912 | 50 |
| 60 | 54291 | 68385 | 31615 | 85906 | 40 |
| 70 | 55136 | 69235 | 30765 | 85901 | 30 |
| 80 | 55981 | 70086 | 29914 | 85895 | 20 |
| 90 | 56826 | 70937 | 29063 | 85890 | 10 |
| **13 oo** | 57671 | 71787 | 28213 | 85884 | **87 oo** |
| 10 | 58516 | 72637 | 27363 | 85879 | 90 |
| 20 | 59360 | 73487 | 26513 | 85873 | 80 |
| 30 | 60205 | 74337 | 25663 | 85868 | 70 |
| 40 | 61049 | 75187 | 24813 | 85862 | 60 |
| 50 | 61893 | 76036 | 23964 | 85857 | 50 |
| 60 | 62737 | 76885 | 23115 | 85851 | 40 |
| 70 | 63580 | 77735 | 22265 | 85846 | 30 |
| 80 | 64424 | 78584 | 21416 | 85840 | 20 |
| 90 | 65267 | 79433 | 20567 | 85835 | 10 |
| **14 oo** | 66110 | 80281 | 19719 | 85829 | **86 oo** |
| 10 | 66953 | 81130 | 18870 | 85824 | 90 |
| 20 | 67796 | 81978 | 18022 | 85818 | 80 |
| 30 | 68639 | 82826 | 17174 | 85813 | 70 |
| 40 | 69482 | 83674 | 16326 | 85807 | 60 |
| 50 | 70324 | 84522 | 15478 | 85802 | 50 |
| 60 | 71166 | 85370 | 14630 | 85796 | 40 |
| 70 | 72008 | 86218 | 13782 | 85791 | 30 |
| 80 | 72850 | 87065 | 12935 | 85785 | 20 |
| 90 | 73692 | 87912 | 12088 | 85780 | 10 |
| **15 oo** | 74533 | 88759 | 11241 | 85774 | **85 oo** |
| | **8.90** | **8.90** | **1.09** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 841 | 847 | 847 | 6 | **94g** |

| 5g | 842 | 847 | 847 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.90** | ∗**8.90** | ∗**1.09** | **9.99** | |
| **15 oo** | 74533 | ∗88759 | ∗11241 | 85774 | **85 oo** |
| 10 | 75375 | ∗89606 | ∗10394 | 85768 | 90 |
| 20 | 76216 | ∗90453 | ∗09547 | 85763 | 80 |
| 30 | 77057 | ∗91299 | ∗08701 | 85757 | 70 |
| 40 | 77898 | ∗92146 | ∗07854 | 85752 | 60 |
| 50 | 78738 | ∗92992 | ∗07008 | 85746 | 50 |
| 60 | 79579 | ∗93838 | ∗06162 | 85741 | 40 |
| 70 | 80419 | ∗94684 | ∗05316 | 85735 | 30 |
| 80 | 81260 | ∗95530 | ∗04470 | 85730 | 20 |
| 90 | 82100 | ∗96375 | ∗03625 | 85724 | 10 |
| **16 oo** | 82940 | ∗97221 | ∗02779 | 85719 | **84 oo** |
| 10 | 83779 | ∗98066 | ∗01934 | 85713 | 90 |
| 20 | 84619 | ∗98911 | ∗01089 | 85708 | 80 |
| 30 | 85458 | ∗99756 | ∗00244 | 85702 | 70 |
| 40 | 86297 | 00601 | 99399 | 85696 | 60 |
| 50 | 87137 | 01446 | 98554 | 85691 | 50 |
| 60 | 87975 | 02290 | 97710 | 85685 | 40 |
| 70 | 88814 | 03134 | 96866 | 85680 | 30 |
| 80 | 89653 | 03979 | 96021 | 85674 | 20 |
| 90 | 90491 | 04822 | 95178 | 85669 | 10 |
| **17 oo** | 91329 | 05666 | 94334 | 85663 | **83 oo** |
| 10 | 92168 | 06510 | 93490 | 85658 | 90 |
| 20 | 93006 | 07353 | 92647 | 85652 | 80 |
| 30 | 93843 | 08197 | 91803 | 85647 | 70 |
| 40 | 94681 | 09040 | 90960 | 85641 | 60 |
| 50 | 95518 | 09883 | 90117 | 85635 | 50 |
| 60 | 96356 | 10726 | 89274 | 85630 | 40 |
| 70 | 97193 | 11568 | 88432 | 85624 | 30 |
| 80 | 98030 | 12411 | 87589 | 85619 | 20 |
| 90 | 98867 | 13253 | 86747 | 85613 | 10 |
| **18 oo** | 99703 | 14096 | 85904 | 85608 | **82 oo** |
| 10 | ∗00540 | 14938 | 85062 | 85602 | 90 |
| 20 | ∗01376 | 15779 | 84221 | 85596 | 80 |
| 30 | ∗02212 | 16621 | 83379 | 85591 | 70 |
| 40 | ∗03048 | 17463 | 82537 | 85585 | 60 |
| 50 | ∗03884 | 18304 | 81696 | 85580 | 50 |
| 60 | ∗04720 | 19145 | 80855 | 85574 | 40 |
| 70 | ∗05555 | 19986 | 80014 | 85569 | 30 |
| 80 | ∗06390 | 20827 | 79173 | 85563 | 20 |
| 90 | ∗07226 | 21668 | 78332 | 85557 | 10 |
| **19 oo** | ∗08061 | 22509 | 77491 | 85552 | **81 oo** |
| 10 | ∗08895 | 23349 | 76651 | 85546 | 90 |
| 20 | ∗09730 | 24189 | 75811 | 85541 | 80 |
| 30 | ∗10565 | 25029 | 74971 | 85535 | 70 |
| 40 | ∗11399 | 25869 | 74131 | 85530 | 60 |
| 50 | ∗12233 | 26709 | 73291 | 85524 | 50 |
| 60 | ∗13067 | 27549 | 72451 | 85518 | 40 |
| 70 | ∗13901 | 28388 | 71612 | 85513 | 30 |
| 80 | ∗14735 | 29228 | 70772 | 85507 | 20 |
| 90 | ∗15568 | 30067 | 69933 | 85502 | 10 |
| **20 oo** | ∗16402 | 30906 | 69094 | 85496 | **80 oo** |
| | ∗**8.91** | **8.91** | **1.08** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 833 | 839 | 839 | 6 | **94g** |

| | 852 | 851 | 850 | 849 | 848 | 847 | 846 | 845 | 844 | 842 | 841 | 840 | 839 | 838 | 837 | 836 | 835 | 834 | 833 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 85,2 | 85,1 | 85,0 | 84,9 | 84,8 | 84,7 | 84,6 | 84,5 | 84,4 | 84,2 | 84,1 | 84,0 | 83,9 | 83,8 | 83,7 | 83,6 | 83,5 | 83,4 | 83,3 | 1 |
| 2 | 170,4 | 170,2 | 170,0 | 169,8 | 169,6 | 169,4 | 169,2 | 169,0 | 168,8 | 168,4 | 168,2 | 168,0 | 167,8 | 167,6 | 167,4 | 167,2 | 167,0 | 166,8 | 166,6 | 2 |
| 3 | 255,6 | 255,3 | 255,0 | 254,7 | 254,4 | 254,1 | 253,8 | 253,5 | 253,2 | 252,6 | 252,3 | 252,0 | 251,7 | 251,4 | 251,1 | 250,8 | 250,5 | 250,2 | 249,9 | 3 |
| 4 | 340,8 | 340,4 | 340,0 | 339,6 | 339,2 | 338,8 | 338,4 | 338,0 | 337,6 | 336,8 | 336,4 | 336,0 | 335,6 | 335,2 | 334,8 | 334,4 | 334,0 | 333,6 | 333,2 | 4 |
| 5 | 426,0 | 425,5 | 425,0 | 424,5 | 424,0 | 423,5 | 423,0 | 422,5 | 422,0 | 421,0 | 420,5 | 420,0 | 419,5 | 419,0 | 418,5 | 418,0 | 417,5 | 417,0 | 416,5 | 5 |
| 6 | 511,2 | 510,6 | 510,0 | 509,4 | 508,8 | 508,2 | 507,6 | 507,0 | 506,4 | 505,2 | 504,6 | 504,0 | 503,4 | 502,8 | 502,2 | 501,6 | 501,0 | 500,4 | 499,8 | 6 |
| 7 | 596,4 | 595,7 | 595,0 | 594,3 | 593,6 | 592,9 | 592,2 | 591,5 | 590,8 | 589,4 | 588,7 | 588,0 | 587,3 | 586,6 | 585,9 | 585,2 | 584,5 | 583,8 | 583,1 | 7 |
| 8 | 681,6 | 680,8 | 680,0 | 679,2 | 678,4 | 677,6 | 676,8 | 676,0 | 675,2 | 673,6 | 672,8 | 672,0 | 671,2 | 670,4 | 669,6 | 668,8 | 668,0 | 667,2 | 666,4 | 8 |
| 9 | 766,8 | 765,9 | 765,0 | 764,1 | 763,2 | 762,3 | 761,4 | 760,5 | 759,6 | 757,8 | 756,9 | 756,0 | 755,1 | 754,2 | 753,3 | 752,4 | 751,5 | 750,6 | 749,7 | 9 |

| 5g | 833 | 839 | 839 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.91** | **8.91** | **1.08** | **9.99** | |
| **20 oo** | 16402 | 30906 | 69094 | 85496 | **80 oo** |
| 10 | 17235 | 31745 | 68255 | 85491 | 90 |
| 20 | 18068 | 32583 | 67417 | 85485 | 80 |
| 30 | 18901 | 33422 | 66578 | 85479 | 70 |
| 40 | 19734 | 34260 | 65740 | 85474 | 60 |
| 50 | 20566 | 35098 | 64902 | 85468 | 50 |
| 60 | 21399 | 35936 | 64064 | 85463 | 40 |
| 70 | 22231 | 36774 | 63226 | 85457 | 30 |
| 80 | 23063 | 37612 | 62388 | 85451 | 20 |
| 90 | 23895 | 38449 | 61551 | 85446 | 10 |
| **21 oo** | 24727 | 39287 | 60713 | 85440 | **79 oo** |
| 10 | 25559 | 40124 | 59876 | 85435 | 90 |
| 20 | 26390 | 40961 | 59039 | 85429 | 80 |
| 30 | 27222 | 41798 | 58202 | 85423 | 70 |
| 40 | 28053 | 42635 | 57365 | 85418 | 60 |
| 50 | 28884 | 43471 | 56529 | 85412 | 50 |
| 60 | 29714 | 44308 | 55692 | 85407 | 40 |
| 70 | 30545 | 45144 | 54856 | 85401 | 30 |
| 80 | 31376 | 45980 | 54020 | 85395 | 20 |
| 90 | 32206 | 46816 | 53184 | 85390 | 10 |
| **22 oo** | 33036 | 47652 | 52348 | 85384 | **78 oo** |
| 10 | 33866 | 48488 | 51512 | 85379 | 90 |
| 20 | 34696 | 49323 | 50677 | 85373 | 80 |
| 30 | 35526 | 50158 | 49842 | 85367 | 70 |
| 40 | 36355 | 50994 | 49006 | 85362 | 60 |
| 50 | 37185 | 51829 | 48171 | 85356 | 50 |
| 60 | 38014 | 52664 | 47336 | 85351 | 40 |
| 70 | 38843 | 53498 | 46502 | 85345 | 30 |
| 80 | 39672 | 54333 | 45667 | 85339 | 20 |
| 90 | 40501 | 55167 | 44833 | 85334 | 10 |
| **23 oo** | 41329 | 56001 | 43999 | 85328 | **77 oo** |
| 10 | 42158 | 56835 | 43165 | 85322 | 90 |
| 20 | 42986 | 57669 | 42331 | 85317 | 80 |
| 30 | 43814 | 58503 | 41497 | 85311 | 70 |
| 40 | 44642 | 59337 | 40663 | 85306 | 60 |
| 50 | 45470 | 60170 | 39830 | 85300 | 50 |
| 60 | 46298 | 61003 | 38997 | 85294 | 40 |
| 70 | 47125 | 61836 | 38164 | 85289 | 30 |
| 80 | 47953 | 62669 | 37331 | 85283 | 20 |
| 90 | 48780 | 63502 | 36498 | 85277 | 10 |
| **24 oo** | 49607 | 64335 | 35665 | 85272 | **76 oo** |
| 10 | 50434 | 65167 | 34833 | 85266 | 90 |
| 20 | 51260 | 66000 | 34000 | 85261 | 80 |
| 30 | 52087 | 66832 | 33168 | 85255 | 70 |
| 40 | 52913 | 67664 | 32336 | 85249 | 60 |
| 50 | 53739 | 68496 | 31504 | 85244 | 50 |
| 60 | 54565 | 69327 | 30673 | 85238 | 40 |
| 70 | 55391 | 70159 | 29841 | 85232 | 30 |
| 80 | 56217 | 70990 | 29010 | 85227 | 20 |
| 90 | 57043 | 71822 | 28178 | 85221 | 10 |
| **25 oo** | 57868 | 72653 | 27347 | 85216 | **75 oo** |
| | **8.91** | **8.91** | **1.08** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $94^g$ |
| | 825 | 831 | 831 | 6 | |

| 5g | 826 | 831 | 831 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.91** | **8.91** | **1.08** | **9.99** | |
| **25 oo** | 57868 | 72653 | 27347 | 85216 | **75 oo** |
| 10 | 58693 | 73483 | 26517 | 85210 | 90 |
| 20 | 59519 | 74314 | 25686 | 85204 | 80 |
| 30 | 60343 | 75145 | 24855 | 85199 | 70 |
| 40 | 61168 | 75975 | 24025 | 85193 | 60 |
| 50 | 61993 | 76806 | 23194 | 85187 | 50 |
| 60 | 62817 | 77636 | 22364 | 85182 | 40 |
| 70 | 63642 | 78466 | 21534 | 85176 | 30 |
| 80 | 64466 | 79295 | 20705 | 85170 | 20 |
| 90 | 65290 | 80125 | 19875 | 85165 | 10 |
| **26 oo** | 66114 | 80955 | 19045 | 85159 | **74 oo** |
| 10 | 66937 | 81784 | 18216 | 85153 | 90 |
| 20 | 67761 | 82613 | 17387 | 85148 | 80 |
| 30 | 68584 | 83442 | 16558 | 85142 | 70 |
| 40 | 69408 | 84271 | 15729 | 85136 | 60 |
| 50 | 70231 | 85100 | 14900 | 85131 | 50 |
| 60 | 71054 | 85928 | 14072 | 85125 | 40 |
| 70 | 71876 | 86757 | 13243 | 85120 | 30 |
| 80 | 72699 | 87585 | 12415 | 85114 | 20 |
| 90 | 73521 | 88413 | 11587 | 85108 | 10 |
| **27 oo** | 74344 | 89241 | 10759 | 85103 | **73 oo** |
| 10 | 75166 | 90069 | 09931 | 85097 | 90 |
| 20 | 75988 | 90897 | 09103 | 85091 | 80 |
| 30 | 76810 | 91724 | 08276 | 85086 | 70 |
| 40 | 77631 | 92551 | 07449 | 85080 | 60 |
| 50 | 78453 | 93378 | 06622 | 85074 | 50 |
| 60 | 79274 | 94205 | 05795 | 85069 | 40 |
| 70 | 80095 | 95032 | 04968 | 85063 | 30 |
| 80 | 80916 | 95859 | 04141 | 85057 | 20 |
| 90 | 81737 | 96686 | 03314 | 85052 | 10 |
| **28 oo** | 82558 | 97512 | 02488 | 85046 | **72 oo** |
| 10 | 83378 | 98338 | 01662 | 85040 | 90 |
| 20 | 84199 | 99164 | 00836 | 85035 | 80 |
| 30 | 85019 | 99990 | 00010 | 85029 | 70 |
| 40 | 85839 | *00816 | *99184 | 85023 | 60 |
| 50 | 86659 | *01642 | *98358 | 85018 | 50 |
| 60 | 87479 | *02467 | *97533 | 85012 | 40 |
| 70 | 88299 | *03292 | *96708 | 85006 | 30 |
| 80 | 89118 | *04118 | *95882 | 85000 | 20 |
| 90 | 89937 | *04943 | *95057 | 84995 | 10 |
| **29 oo** | 90756 | *05767 | *94233 | 84989 | **71 oo** |
| 10 | 91575 | *06592 | *93408 | 84983 | 90 |
| 20 | 92394 | *07417 | *92583 | 84978 | 80 |
| 30 | 93213 | *08241 | *91759 | 84972 | 70 |
| 40 | 94032 | *09065 | *90935 | 84966 | 60 |
| 50 | 94850 | *09889 | *90111 | 84961 | 50 |
| 60 | 95668 | *10713 | *89287 | 84955 | 40 |
| 70 | 96486 | *11537 | *88463 | 84949 | 30 |
| 80 | 97304 | *12361 | *87639 | 84944 | 20 |
| 90 | 98122 | *13184 | *86816 | 84938 | 10 |
| **30 oo** | 98940 | *14007 | *85993 | 84932 | **70 oo** |
| | **8.91** | ***8.92** | ***1.07** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $94^g$ |
| | 818 | 823 | 823 | 6 | |

| | 839 | 838 | 837 | 836 | 835 | 834 | 833 | 832 | 831 | 830 | 829 | 828 | 827 | 826 | 825 | 824 | 823 | 822 | 821 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 83,9 | 83,8 | 83,7 | 83,6 | 83,5 | 83,4 | 83,3 | 83,2 | 83,1 | 83,0 | 82,9 | 82,8 | 82,7 | 82,6 | 82,5 | 82,4 | 82,3 | 82,2 | 82,1 | 1 |
| 2 | 167,8 | 167,6 | 167,4 | 167,2 | 167,0 | 166,8 | 166,6 | 166,4 | 166,2 | 166,0 | 165,8 | 165,6 | 165,4 | 165,2 | 165,0 | 164,8 | 164,6 | 164,4 | 164,2 | 2 |
| 3 | 251,7 | 251,4 | 251,1 | 250,8 | 250,5 | 250,2 | 249,9 | 249,6 | 249,3 | 249,0 | 248,7 | 248,4 | 248,1 | 247,8 | 247,5 | 247,2 | 246,9 | 246,6 | 246,3 | 3 |
| 4 | 335,6 | 335,2 | 334,8 | 334,4 | 334,0 | 333,6 | 333,2 | 332,8 | 332,4 | 332,0 | 331,6 | 331,2 | 330,8 | 330,4 | 330,0 | 329,6 | 329,2 | 328,8 | 328,4 | 4 |
| 5 | 419,5 | 419,0 | 418,5 | 418,0 | 417,5 | 417,0 | 416,5 | 416,0 | 415,5 | 415,0 | 414,5 | 414,0 | 413,5 | 413,0 | 412,5 | 412,0 | 411,5 | 411,0 | 410,5 | 5 |
| 6 | 503,4 | 502,8 | 502,2 | 501,6 | 501,0 | 500,4 | 499,8 | 499,2 | 498,6 | 498,0 | 497,4 | 496,8 | 496,2 | 495,6 | 495,0 | 494,4 | 493,8 | 493,2 | 492,6 | 6 |
| 7 | 587,3 | 586,6 | 585,9 | 585,2 | 584,5 | 583,8 | 583,1 | 582,4 | 581,7 | 581,0 | 580,3 | 579,6 | 578,9 | 578,2 | 577,5 | 576,8 | 576,1 | 575,4 | 574,7 | 7 |
| 8 | 671,2 | 670,4 | 669,6 | 668,8 | 668,0 | 667,2 | 666,4 | 665,6 | 664,8 | 664,0 | 663,2 | 662,4 | 661,6 | 660,8 | 660,0 | 659,2 | 658,4 | 657,6 | 656,8 | 8 |
| 9 | 755,1 | 754,2 | 753,3 | 752,4 | 751,5 | 750,6 | 749,7 | 748,8 | 747,9 | 747,0 | 746,1 | 745,2 | 744,3 | 743,4 | 742,5 | 741,6 | 740,7 | 739,8 | 738,9 | 9 |

| 5g | 817 | 823 | 823 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *8.91 | 8.92 | 1.07 | 9.99 | |
| 30 oo | *98940 | 14007 | 85993 | 84932 | 70 oo |
| 10 | *99757 | 14830 | 85170 | 84927 | 90 |
| 20 | 00574 | 15653 | 84347 | 84921 | 80 |
| 30 | 01391 | 16476 | 83524 | 84915 | 70 |
| 40 | 02208 | 17299 | 82701 | 84909 | 60 |
| 50 | 03025 | 18121 | 81879 | 84904 | 50 |
| 60 | 03842 | 18944 | 81056 | 84898 | 40 |
| 70 | 04658 | 19766 | 80234 | 84892 | 30 |
| 80 | 05475 | 20588 | 79412 | 84887 | 20 |
| 90 | 06291 | 21410 | 78590 | 84881 | 10 |
| 31 oo | 07107 | 22232 | 77768 | 84875 | 69 oo |
| 10 | 07923 | 23053 | 76947 | 84870 | 90 |
| 20 | 08739 | 23875 | 76125 | 84864 | 80 |
| 30 | 09554 | 24696 | 75304 | 84858 | 70 |
| 40 | 10370 | 25517 | 74483 | 84852 | 60 |
| 50 | 11185 | 26338 | 73662 | 84847 | 50 |
| 60 | 12000 | 27159 | 72841 | 84841 | 40 |
| 70 | 12815 | 27980 | 72020 | 84835 | 30 |
| 80 | 13630 | 28800 | 71200 | 84830 | 20 |
| 90 | 14445 | 29621 | 70379 | 84824 | 10 |
| 32 oo | 15259 | 30441 | 69559 | 84818 | 68 oo |
| 10 | 16074 | 31261 | 68739 | 84812 | 90 |
| 20 | 16888 | 32081 | 67919 | 84807 | 80 |
| 30 | 17702 | 32901 | 67099 | 84801 | 70 |
| 40 | 18516 | 33720 | 66280 | 84795 | 60 |
| 50 | 19329 | 34540 | 65460 | 84790 | 50 |
| 60 | 20143 | 35359 | 64641 | 84784 | 40 |
| 70 | 20957 | 36178 | 63822 | 84778 | 30 |
| 80 | 21770 | 36997 | 63003 | 84772 | 20 |
| 90 | 22583 | 37816 | 62184 | 84767 | 10 |
| 33 oo | 23396 | 38635 | 61365 | 84761 | 67 oo |
| 10 | 24209 | 39454 | 60546 | 84755 | 90 |
| 20 | 25021 | 40272 | 59728 | 84750 | 80 |
| 30 | 25834 | 41090 | 58910 | 84744 | 70 |
| 40 | 26646 | 41908 | 58092 | 84738 | 60 |
| 50 | 27459 | 42726 | 57274 | 84732 | 50 |
| 60 | 28271 | 43544 | 56456 | 84727 | 40 |
| 70 | 29083 | 44362 | 55638 | 84721 | 30 |
| 80 | 29894 | 45179 | 54821 | 84715 | 20 |
| 90 | 30706 | 45996 | 54004 | 84709 | 10 |
| 34 oo | 31517 | 46814 | 53186 | 84704 | 66 oo |
| 10 | 32329 | 47631 | 52369 | 84698 | 90 |
| 20 | 33140 | 48448 | 51552 | 84692 | 80 |
| 30 | 33951 | 49264 | 50736 | 84686 | 70 |
| 40 | 34762 | 50081 | 49919 | 84681 | 60 |
| 50 | 35572 | 50897 | 49103 | 84675 | 50 |
| 60 | 36383 | 51714 | 48286 | 84669 | 40 |
| 70 | 37193 | 52530 | 47470 | 84664 | 30 |
| 80 | 38003 | 53346 | 46654 | 84658 | 20 |
| 90 | 38814 | 54162 | 45838 | 84652 | 10 |
| 35 oo | 39624 | 54977 | 45023 | 84646 | 65 oo |
| | 8.92 | 8.92 | 1.07 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 94g |
| | 810 | 815 | 815 | 6 | |

| 5g | 810 | 816 | 816 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 8.92 | 8.92 | 1.07 | 9.99 | |
| 35 oo | 39624 | 54977 | 45023 | 84646 | 65 oo |
| 10 | 40433 | 55793 | 44207 | 84641 | 90 |
| 20 | 41243 | 56608 | 43392 | 84635 | 80 |
| 30 | 42052 | 57423 | 42577 | 84629 | 70 |
| 40 | 42862 | 58238 | 41762 | 84623 | 60 |
| 50 | 43671 | 59053 | 40947 | 84618 | 50 |
| 60 | 44480 | 59868 | 40132 | 84612 | 40 |
| 70 | 45289 | 60683 | 39317 | 84606 | 30 |
| 80 | 46097 | 61497 | 38503 | 84600 | 20 |
| 90 | 46906 | 62312 | 37688 | 84595 | 10 |
| 36 oo | 47714 | 63126 | 36874 | 84589 | 64 oo |
| 10 | 48523 | 63940 | 36060 | 84583 | 90 |
| 20 | 49331 | 64754 | 35246 | 84577 | 80 |
| 30 | 50139 | 65567 | 34433 | 84571 | 70 |
| 40 | 50947 | 66381 | 33619 | 84566 | 60 |
| 50 | 51754 | 67194 | 32806 | 84560 | 50 |
| 60 | 52562 | 68008 | 31992 | 84554 | 40 |
| 70 | 53369 | 68821 | 31179 | 84548 | 30 |
| 80 | 54176 | 69634 | 30366 | 84543 | 20 |
| 90 | 54983 | 70446 | 29554 | 84537 | 10 |
| 37 oo | 55790 | 71259 | 28741 | 84531 | 63 oo |
| 10 | 56597 | 72072 | 27928 | 84525 | 90 |
| 20 | 57404 | 72884 | 27116 | 84520 | 80 |
| 30 | 58210 | 73696 | 26304 | 84514 | 70 |
| 40 | 59016 | 74508 | 25492 | 84508 | 60 |
| 50 | 59822 | 75320 | 24680 | 84502 | 50 |
| 60 | 60628 | 76132 | 23868 | 84497 | 40 |
| 70 | 61434 | 76944 | 23056 | 84491 | 30 |
| 80 | 62240 | 77755 | 22245 | 84485 | 20 |
| 90 | 63046 | 78566 | 21434 | 84479 | 10 |
| 38 oo | 63851 | 79378 | 20622 | 84473 | 62 oo |
| 10 | 64656 | 80189 | 19811 | 84468 | 90 |
| 20 | 65461 | 80999 | 19001 | 84462 | 80 |
| 30 | 66266 | 81810 | 18190 | 84456 | 70 |
| 40 | 67071 | 82621 | 17379 | 84450 | 60 |
| 50 | 67876 | 83431 | 16569 | 84444 | 50 |
| 60 | 68680 | 84241 | 15759 | 84439 | 40 |
| 70 | 69484 | 85052 | 14948 | 84433 | 30 |
| 80 | 70289 | 85862 | 14138 | 84427 | 20 |
| 90 | 71093 | 86671 | 13329 | 84421 | 10 |
| 39 oo | 71897 | 87481 | 12519 | 84416 | 61 oo |
| 10 | 72700 | 88291 | 11709 | 84410 | 90 |
| 20 | 73504 | 89100 | 10900 | 84404 | 80 |
| 30 | 74307 | 89909 | 10091 | 84398 | 70 |
| 40 | 75111 | 90718 | 09282 | 84392 | 60 |
| 50 | 75914 | 91527 | 08473 | 84387 | 50 |
| 60 | 76717 | 92336 | 07664 | 84381 | 40 |
| 70 | 77520 | 93145 | 06855 | 84375 | 30 |
| 80 | 78322 | 93953 | 06047 | 84369 | 20 |
| 90 | 79125 | 94761 | 05239 | 84363 | 10 |
| 40 oo | 79927 | 95570 | 04430 | 84358 | 60 oo |
| | 8.92 | 8.92 | 1.07 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 94g |
| | 802 | 808 | 808 | 6 | |

| | 820 | 819 | 818 | 817 | 816 | 815 | 814 | 813 | 812 | 811 | 810 | 809 | 808 | 807 | 806 | 805 | 804 | 803 | 802 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 82,0 | 81,9 | 81,8 | 81,7 | 81,6 | 81,5 | 81,4 | 81,3 | 81,2 | 81,1 | 81,0 | 80,9 | 80,8 | 80,7 | 80,6 | 80,5 | 80,4 | 80,3 | 80,2 | 1 |
| 2 | 164,0 | 163,8 | 163,6 | 163,4 | 163,2 | 163,0 | 162,8 | 162,6 | 162,4 | 162,2 | 162,0 | 161,8 | 161,6 | 161,4 | 161,2 | 161,0 | 160,8 | 160,6 | 160,4 | 2 |
| 3 | 246,0 | 245,7 | 245,4 | 245,1 | 244,8 | 244,5 | 244,2 | 243,9 | 243,6 | 243,3 | 243,0 | 242,7 | 242,4 | 242,1 | 241,8 | 241,5 | 241,2 | 240,9 | 240,6 | 3 |
| 4 | 328,0 | 327,6 | 327,2 | 326,8 | 326,4 | 326,0 | 325,6 | 325,2 | 324,8 | 324,4 | 324,0 | 323,6 | 323,2 | 322,8 | 322,4 | 322,0 | 321,6 | 321,2 | 320,8 | 4 |
| 5 | 410,0 | 409,5 | 409,0 | 408,5 | 408,0 | 407,5 | 407,0 | 406,5 | 406,0 | 405,5 | 405,0 | 404,5 | 404,0 | 403,5 | 403,0 | 402,5 | 402,0 | 401,5 | 401,0 | 5 |
| 6 | 492,0 | 491,4 | 490,8 | 490,2 | 489,6 | 489,0 | 488,4 | 487,8 | 487,2 | 486,6 | 486,0 | 485,4 | 484,8 | 484,2 | 483,6 | 483,0 | 482,4 | 481,8 | 481,2 | 6 |
| 7 | 574,0 | 573,3 | 572,6 | 571,9 | 571,2 | 570,5 | 569,8 | 569,1 | 568,4 | 567,7 | 567,0 | 566,3 | 565,6 | 564,9 | 564,2 | 563,5 | 562,8 | 562,1 | 561,4 | 7 |
| 8 | 656,0 | 655,2 | 654,4 | 653,6 | 652,8 | 652,0 | 651,2 | 650,4 | 649,6 | 648,8 | 648,0 | 647,2 | 646,4 | 645,6 | 644,8 | 644,0 | 643,2 | 642,4 | 641,6 | 8 |
| 9 | 738,0 | 737,1 | 736,2 | 735,3 | 734,4 | 733,5 | 732,6 | 731,7 | 730,8 | 729,9 | 729,0 | 728,1 | 727,2 | 726,3 | 725,4 | 724,5 | 723,6 | 722,7 | 721,8 | 9 |

| 5g | 803 | 808 | 808 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.92** | ∗**8.92** | ∗**1.07** | **9.99** | |
| **40 oo** | 79927 | ∗95570 | ∗04430 | 84358 | **60 oo** |
| 10 | 80729 | ∗96378 | ∗03622 | 84352 | 90 |
| 20 | 81532 | ∗97186 | ∗02814 | 84346 | 80 |
| 30 | 82334 | ∗97993 | ∗02007 | 84340 | 70 |
| 40 | 83135 | ∗98801 | ∗01199 | 84334 | 60 |
| 50 | 83937 | ∗99608 | ∗00392 | 84329 | 50 |
| 60 | 84738 | 00416 | 99584 | 84323 | 40 |
| 70 | 85540 | 01223 | 98777 | 84317 | 30 |
| 80 | 86341 | 02030 | 97970 | 84311 | 20 |
| 90 | 87142 | 02837 | 97163 | 84305 | 10 |
| **41 oo** | 87943 | 03643 | 96357 | 84300 | **59 oo** |
| 10 | 88744 | 04450 | 95550 | 84294 | 90 |
| 20 | 89544 | 05256 | 94744 | 84288 | 80 |
| 30 | 90345 | 06063 | 93937 | 84282 | 70 |
| 40 | 91145 | 06869 | 93131 | 84276 | 60 |
| 50 | 91945 | 07675 | 92325 | 84270 | 50 |
| 60 | 92745 | 08481 | 91519 | 84265 | 40 |
| 70 | 93545 | 09286 | 90714 | 84259 | 30 |
| 80 | 94345 | 10092 | 89908 | 84253 | 20 |
| 90 | 95144 | 10897 | 89103 | 84247 | 10 |
| **42 oo** | 95944 | 11702 | 88298 | 84241 | **58 oo** |
| 10 | 96743 | 12508 | 87492 | 84236 | 90 |
| 20 | 97542 | 13312 | 86688 | 84230 | 80 |
| 30 | 98341 | 14117 | 85883 | 84224 | 70 |
| 40 | 99140 | 14922 | 85078 | 84218 | 60 |
| 50 | 99939 | 15726 | 84274 | 84212 | 50 |
| 60 | ∗00737 | 16531 | 83469 | 84206 | 40 |
| 70 | ∗01536 | 17335 | 82665 | 84201 | 30 |
| 80 | ∗02334 | 18139 | 81861 | 84195 | 20 |
| 90 | ∗03132 | 18943 | 81057 | 84189 | 10 |
| **43 oo** | ∗03930 | 19747 | 80253 | 84183 | **57 oo** |
| 10 | ∗04728 | 20550 | 79450 | 84177 | 90 |
| 20 | ∗05525 | 21354 | 78646 | 84171 | 80 |
| 30 | ∗06323 | 22157 | 77843 | 84166 | 70 |
| 40 | ∗07120 | 22960 | 77040 | 84160 | 60 |
| 50 | ∗07917 | 23763 | 76237 | 84154 | 50 |
| 60 | ∗08714 | 24566 | 75434 | 84148 | 40 |
| 70 | ∗09511 | 25369 | 74631 | 84142 | 30 |
| 80 | ∗10308 | 26172 | 73828 | 84136 | 20 |
| 90 | ∗11105 | 26974 | 73026 | 84131 | 10 |
| **44 oo** | ∗11901 | 27776 | 72224 | 84125 | **56 oo** |
| 10 | ∗12697 | 28579 | 71421 | 84119 | 90 |
| 20 | ∗13494 | 29381 | 70619 | 84113 | 80 |
| 30 | ∗14290 | 30182 | 69818 | 84107 | 70 |
| 40 | ∗15086 | 30984 | 69016 | 84101 | 60 |
| 50 | ∗15881 | 31786 | 68214 | 84095 | 50 |
| 60 | ∗16677 | 32587 | 67413 | 84090 | 40 |
| 70 | ∗17472 | 33389 | 66611 | 84084 | 30 |
| 80 | ∗18268 | 34190 | 65810 | 84078 | 20 |
| 90 | ∗19063 | 34991 | 65009 | 84072 | 10 |
| **45 oo** | ∗19858 | 35791 | 64209 | 84066 | **55 oo** |
| | ∗**8.93** | **8.93** | **1.06** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 795 | 800 | 800 | 6 | **94g** |

| 5g | 795 | 801 | 801 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.93** | **8.93** | **1.06** | **9.99** | |
| **45 oo** | 19858 | 35791 | 64209 | 84066 | **55 oo** |
| 10 | 20653 | 36592 | 63408 | 84060 | 90 |
| 20 | 21447 | 37393 | 62607 | 84055 | 80 |
| 30 | 22242 | 38193 | 61807 | 84049 | 70 |
| 40 | 23036 | 38993 | 61007 | 84043 | 60 |
| 50 | 23831 | 39794 | 60206 | 84037 | 50 |
| 60 | 24625 | 40594 | 59406 | 84031 | 40 |
| 70 | 25419 | 41393 | 58607 | 84025 | 30 |
| 80 | 26212 | 42193 | 57807 | 84019 | 20 |
| 90 | 27006 | 42993 | 57007 | 84014 | 10 |
| **46 oo** | 27800 | 43792 | 56208 | 84008 | **54 oo** |
| 10 | 28593 | 44591 | 55409 | 84002 | 90 |
| 20 | 29386 | 45390 | 54610 | 83996 | 80 |
| 30 | 30179 | 46189 | 53811 | 83990 | 70 |
| 40 | 30972 | 46988 | 53012 | 83984 | 60 |
| 50 | 31765 | 47787 | 52213 | 83978 | 50 |
| 60 | 32558 | 48585 | 51415 | 83972 | 40 |
| 70 | 33350 | 49384 | 50616 | 83967 | 30 |
| 80 | 34143 | 50182 | 49818 | 83961 | 20 |
| 90 | 34935 | 50980 | 49020 | 83955 | 10 |
| **47 oo** | 35727 | 51778 | 48222 | 83949 | **53 oo** |
| 10 | 36519 | 52576 | 47424 | 83943 | 90 |
| 20 | 37311 | 53373 | 46627 | 83937 | 80 |
| 30 | 38102 | 54171 | 45829 | 83931 | 70 |
| 40 | 38894 | 54968 | 45032 | 83925 | 60 |
| 50 | 39685 | 55766 | 44234 | 83920 | 50 |
| 60 | 40476 | 56563 | 43437 | 83914 | 40 |
| 70 | 41267 | 57360 | 42640 | 83908 | 30 |
| 80 | 42058 | 58156 | 41844 | 83902 | 20 |
| 90 | 42849 | 58953 | 41047 | 83896 | 10 |
| **48 oo** | 43640 | 59750 | 40250 | 83890 | **52 oo** |
| 10 | 44430 | 60546 | 39454 | 83884 | 90 |
| 20 | 45221 | 61342 | 38658 | 83878 | 80 |
| 30 | 46011 | 62138 | 37862 | 83872 | 70 |
| 40 | 46801 | 62934 | 37066 | 83867 | 60 |
| 50 | 47591 | 63730 | 36270 | 83861 | 50 |
| 60 | 48380 | 64526 | 35474 | 83855 | 40 |
| 70 | 49170 | 65321 | 34679 | 83849 | 30 |
| 80 | 49959 | 66116 | 33884 | 83843 | 20 |
| 90 | 50749 | 66912 | 33088 | 83837 | 10 |
| **49 oo** | 51538 | 67707 | 32293 | 83831 | **51 oo** |
| 10 | 52327 | 68502 | 31498 | 83825 | 90 |
| 20 | 53116 | 69296 | 30704 | 83819 | 80 |
| 30 | 53905 | 70091 | 29909 | 83814 | 70 |
| 40 | 54693 | 70886 | 29114 | 83808 | 60 |
| 50 | 55482 | 71680 | 28320 | 83802 | 50 |
| 60 | 56270 | 72474 | 27526 | 83796 | 40 |
| 70 | 57058 | 73268 | 26732 | 83790 | 30 |
| 80 | 57846 | 74062 | 25938 | 83784 | 20 |
| 90 | 58634 | 74856 | 25144 | 83778 | 10 |
| **50 oo** | 59422 | 75650 | 24350 | 83772 | **50 oo** |
| | **8.93** | **8.93** | **1.06** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 788 | 794 | 794 | 6 | **94g** |

| | 808 | 807 | 806 | 805 | 804 | 803 | 802 | 801 | 800 | 799 | 798 | 797 | 796 | 795 | 794 | 793 | 792 | 791 | 790 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 80,8 | 80,7 | 80,6 | 80,5 | 80,4 | 80,3 | 80,2 | 80,1 | 80,0 | 79,9 | 79,8 | 79,7 | 79,6 | 79,5 | 79,4 | 79,3 | 79,2 | 79,1 | 79,0 | 1 |
| 2 | 161,6 | 161,4 | 161,2 | 161,0 | 160,8 | 160,6 | 160,4 | 160,2 | 160,0 | 159,8 | 159,6 | 159,4 | 159,2 | 159,0 | 158,8 | 158,6 | 158,4 | 158,2 | 158,0 | 2 |
| 3 | 242,4 | 242,1 | 241,8 | 241,5 | 241,2 | 240,9 | 240,6 | 240,3 | 240,0 | 239,7 | 239,4 | 239,1 | 238,8 | 238,5 | 238,2 | 237,9 | 237,6 | 237,3 | 237,0 | 3 |
| 4 | 323,2 | 322,8 | 322,4 | 322,0 | 321,6 | 321,2 | 320,8 | 320,4 | 320,0 | 319,6 | 319,2 | 318,8 | 318,4 | 318,0 | 317,6 | 317,2 | 316,8 | 316,4 | 316,0 | 4 |
| 5 | 404,0 | 403,5 | 403,0 | 402,5 | 402,0 | 401,5 | 401,0 | 400,5 | 400,0 | 399,5 | 399,0 | 398,5 | 398,0 | 397,5 | 397,0 | 396,5 | 396,0 | 395,5 | 395,0 | 5 |
| 6 | 484,8 | 484,2 | 483,6 | 483,0 | 482,4 | 481,8 | 481,2 | 480,6 | 480,0 | 479,4 | 478,8 | 478,2 | 477,6 | 477,0 | 476,4 | 475,8 | 475,2 | 474,6 | 474,0 | 6 |
| 7 | 565,6 | 564,9 | 564,2 | 563,5 | 562,8 | 562,1 | 561,4 | 560,7 | 560,0 | 559,3 | 558,6 | 557,9 | 557,2 | 556,5 | 555,8 | 555,1 | 554,4 | 553,7 | 553,0 | 7 |
| 8 | 646,4 | 645,6 | 644,8 | 644,0 | 643,2 | 642,4 | 641,6 | 640,8 | 640,0 | 639,2 | 638,4 | 637,6 | 636,8 | 636,0 | 635,2 | 634,4 | 633,6 | 632,8 | 632,0 | 8 |
| 9 | 727,2 | 726,3 | 725,4 | 724,5 | 723,6 | 722,7 | 721,8 | 720,9 | 720,0 | 719,1 | 718,2 | 717,3 | 716,4 | 715,5 | 714,6 | 713,7 | 712,8 | 711,9 | 711,0 | 9 |

| 5g | 788 | 794 | 794 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.93** | **8.93** | **1.06** | **9.99** | |
| **50 oo** | 59422 | 75650 | 24350 | 83772 | **50 oo** |
| 10 | 60209 | 76443 | 23557 | 83766 | 90 |
| 20 | 60997 | 77236 | 22764 | 83760 | 80 |
| 30 | 61784 | 78030 | 21970 | 83754 | 70 |
| 40 | 62571 | 78823 | 21177 | 83749 | 60 |
| 50 | 63358 | 79616 | 20384 | 83743 | 50 |
| 60 | 64145 | 80408 | 19592 | 83737 | 40 |
| 70 | 64932 | 81201 | 18799 | 83731 | 30 |
| 80 | 65718 | 81994 | 18006 | 83725 | 20 |
| 90 | 66505 | 82786 | 17214 | 83719 | 10 |
| **51 oo** | 67291 | 83578 | 16422 | 83713 | **49 oo** |
| 10 | 68077 | 84370 | 15630 | 83707 | 90 |
| 20 | 68863 | 85162 | 14838 | 83701 | 80 |
| 30 | 69649 | 85954 | 14046 | 83695 | 70 |
| 40 | 70435 | 86746 | 13254 | 83689 | 60 |
| 50 | 71221 | 87537 | 12463 | 83683 | 50 |
| 60 | 72006 | 88328 | 11672 | 83677 | 40 |
| 70 | 72791 | 89120 | 10880 | 83672 | 30 |
| 80 | 73576 | 89911 | 10089 | 83666 | 20 |
| 90 | 74361 | 90702 | 09298 | 83660 | 10 |
| **52 oo** | 75146 | 91492 | 08508 | 83654 | **48 oo** |
| 10 | 75931 | 92283 | 07717 | 83648 | 90 |
| 20 | 76716 | 93074 | 06926 | 83642 | 80 |
| 30 | 77500 | 93864 | 06136 | 83636 | 70 |
| 40 | 78284 | 94654 | 05346 | 83630 | 60 |
| 50 | 79068 | 95444 | 04556 | 83624 | 50 |
| 60 | 79852 | 96234 | 03766 | 83618 | 40 |
| 70 | 80636 | 97024 | 02976 | 83612 | 30 |
| 80 | 81420 | 97814 | 02186 | 83606 | 20 |
| 90 | 82204 | 98603 | 01397 | 83600 | 10 |
| **53 oo** | 82987 | 99393 | 00607 | 83594 | **47 oo** |
| 10 | 83770 | ∗00182 | ∗99818 | 83588 | 90 |
| 20 | 84554 | ∗00971 | ∗99029 | 83583 | 80 |
| 30 | 85337 | ∗01760 | ∗98240 | 83577 | 70 |
| 40 | 86119 | ∗02549 | ∗97451 | 83571 | 60 |
| 50 | 86902 | ∗03337 | ∗96663 | 83565 | 50 |
| 60 | 87685 | ∗04126 | ∗95874 | 83559 | 40 |
| 70 | 88467 | ∗04914 | ∗95086 | 83553 | 30 |
| 80 | 89249 | ∗05703 | ∗94297 | 83547 | 20 |
| 90 | 90032 | ∗06491 | ∗93509 | 83541 | 10 |
| **54 oo** | 90814 | ∗07279 | ∗92721 | 83535 | **46 oo** |
| 10 | 91595 | ∗08066 | ∗91934 | 83529 | 90 |
| 20 | 92377 | ∗08854 | ∗91146 | 83523 | 80 |
| 30 | 93159 | ∗09642 | ∗90358 | 83517 | 70 |
| 40 | 93940 | ∗10429 | ∗89571 | 83511 | 60 |
| 50 | 94722 | ∗11216 | ∗88784 | 83505 | 50 |
| 60 | 95503 | ∗12004 | ∗87996 | 83499 | 40 |
| 70 | 96284 | ∗12790 | ∗87210 | 83493 | 30 |
| 80 | 97065 | ∗13577 | ∗86423 | 83487 | 20 |
| 90 | 97845 | ∗14364 | ∗85636 | 83481 | 10 |
| **55 oo** | 98626 | ∗15151 | ∗84849 | 83475 | **45 oo** |
| | **8.93** | ∗**8.94** | ∗**1.05** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 780 | 786 | 786 | 6 | 94g |

| 5g | 781 | 786 | 786 | 5 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**8.93** | **8.94** | **1.05** | **9.99** | |
| **55 oo** | ∗98626 | 15151 | 84849 | 83475 | **45 oo** |
| 10 | ∗99406 | 15937 | 84063 | 83469 | 90 |
| 20 | 00187 | 16723 | 83277 | 83463 | 80 |
| 30 | 00967 | 17509 | 82491 | 83458 | 70 |
| 40 | 01747 | 18295 | 81705 | 83452 | 60 |
| 50 | 02527 | 19081 | 80919 | 83446 | 50 |
| 60 | 03307 | 19867 | 80133 | 83440 | 40 |
| 70 | 04086 | 20653 | 79347 | 83434 | 30 |
| 80 | 04866 | 21438 | 78562 | 83428 | 20 |
| 90 | 05645 | 22223 | 77777 | 83422 | 10 |
| **56 oo** | 06424 | 23008 | 76992 | 83416 | **44 oo** |
| 10 | 07203 | 23794 | 76206 | 83410 | 90 |
| 20 | 07982 | 24578 | 75422 | 83404 | 80 |
| 30 | 08761 | 25363 | 74637 | 83398 | 70 |
| 40 | 09540 | 26148 | 73852 | 83392 | 60 |
| 50 | 10318 | 26932 | 73068 | 83386 | 50 |
| 60 | 11096 | 27717 | 72283 | 83380 | 40 |
| 70 | 11875 | 28501 | 71499 | 83374 | 30 |
| 80 | 12653 | 29285 | 70715 | 83368 | 20 |
| 90 | 13431 | 30069 | 69931 | 83362 | 10 |
| **57 oo** | 14208 | 30852 | 69148 | 83356 | **43 oo** |
| 10 | 14986 | 31636 | 68364 | 83350 | 90 |
| 20 | 15764 | 32420 | 67580 | 83344 | 80 |
| 30 | 16541 | 33203 | 66797 | 83338 | 70 |
| 40 | 17318 | 33986 | 66014 | 83332 | 60 |
| 50 | 18095 | 34769 | 65231 | 83326 | 50 |
| 60 | 18872 | 35552 | 64448 | 83320 | 40 |
| 70 | 19649 | 36335 | 63665 | 83314 | 30 |
| 80 | 20426 | 37118 | 62882 | 83308 | 20 |
| 90 | 21202 | 37900 | 62100 | 83302 | 10 |
| **58 oo** | 21978 | 38682 | 61318 | 83296 | **42 oo** |
| 10 | 22755 | 39465 | 60535 | 83290 | 90 |
| 20 | 23531 | 40247 | 59753 | 83284 | 80 |
| 30 | 24307 | 41029 | 58971 | 83278 | 70 |
| 40 | 25083 | 41811 | 58189 | 83272 | 60 |
| 50 | 25858 | 42592 | 57408 | 83266 | 50 |
| 60 | 26634 | 43374 | 56626 | 83260 | 40 |
| 70 | 27409 | 44155 | 55845 | 83254 | 30 |
| 80 | 28185 | 44936 | 55064 | 83248 | 20 |
| 90 | 28960 | 45718 | 54282 | 83242 | 10 |
| **59 oo** | 29735 | 46499 | 53501 | 83236 | **41 oo** |
| 10 | 30509 | 47279 | 52721 | 83230 | 90 |
| 20 | 31284 | 48060 | 51940 | 83224 | 80 |
| 30 | 32059 | 48841 | 51159 | 83218 | 70 |
| 40 | 32833 | 49621 | 50379 | 83212 | 60 |
| 50 | 33607 | 50401 | 49599 | 83206 | 50 |
| 60 | 34382 | 51182 | 48818 | 83200 | 40 |
| 70 | 35156 | 51962 | 48038 | 83194 | 30 |
| 80 | 35929 | 52742 | 47258 | 83188 | 20 |
| 90 | 36703 | 53521 | 46479 | 83182 | 10 |
| **60 oo** | 37477 | 54301 | 45699 | 83176 | **40 oo** |
| | **8.94** | **8.94** | **1.05** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 773 | 779 | 779 | 6 | 94g |

| | 791 | 790 | 789 | 788 | 787 | 786 | 785 | 784 | 783 | 782 | 781 | 780 | 779 | 778 | 777 | 776 | 775 | 774 | 773 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 79,1 | 79,0 | 78,9 | 78,8 | 78,7 | 78,6 | 78,5 | 78,4 | 78,3 | 78,2 | 78,1 | 78,0 | 77,9 | 77,8 | 77,7 | 77,6 | 77,5 | 77,4 | 77,3 | 1 |
| 2 | 158,2 | 158,0 | 157,8 | 157,6 | 157,4 | 157,2 | 157,0 | 156,8 | 156,6 | 156,4 | 156,2 | 156,0 | 155,8 | 155,6 | 155,4 | 155,2 | 155,0 | 154,8 | 154,6 | 2 |
| 3 | 237,3 | 237,0 | 236,7 | 236,4 | 236,1 | 235,8 | 235,5 | 235,2 | 234,9 | 234,6 | 234,3 | 234,0 | 233,7 | 233,4 | 233,1 | 232,8 | 232,5 | 232,2 | 231,9 | 3 |
| 4 | 316,4 | 316,0 | 315,6 | 315,2 | 314,8 | 314,4 | 314,0 | 313,6 | 313,2 | 312,8 | 312,4 | 312,0 | 311,6 | 311,2 | 310,8 | 310,4 | 310,0 | 309,6 | 309,2 | 4 |
| 5 | 395,5 | 395,0 | 394,5 | 394,0 | 393,5 | 393,0 | 392,5 | 392,0 | 391,5 | 391,0 | 390,5 | 390,0 | 389,5 | 389,0 | 388,5 | 388,0 | 387,5 | 387,0 | 386,5 | 5 |
| 6 | 474,6 | 474,0 | 473,4 | 472,8 | 472,2 | 471,6 | 471,0 | 470,4 | 469,8 | 469,2 | 468,6 | 468,0 | 467,4 | 466,8 | 466,2 | 465,6 | 465,0 | 464,4 | 463,8 | 6 |
| 7 | 553,7 | 553,0 | 552,3 | 551,6 | 550,9 | 550,2 | 549,5 | 548,8 | 548,1 | 547,4 | 546,7 | 546,0 | 545,3 | 544,6 | 543,9 | 543,2 | 542,5 | 541,8 | 541,1 | 7 |
| 8 | 632,8 | 632,0 | 631,2 | 630,4 | 629,6 | 628,8 | 628,0 | 627,2 | 626,4 | 625,6 | 624,8 | 624,0 | 623,2 | 622,4 | 621,6 | 620,8 | 620,0 | 619,2 | 618,4 | 8 |
| 9 | 711,9 | 711,0 | 710,1 | 709,2 | 708,3 | 707,4 | 706,5 | 705,6 | 704,7 | 703,8 | 702,9 | 702,0 | 701,1 | 700,2 | 699,3 | 698,4 | 697,5 | 696,6 | 695,7 | 9 |

| 5g | 774 | 780 | 780 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.94** | **8.94** | **1.05** | **9.99** | |
| **60 oo** | 37477 | 54301 | 45699 | 83176 | **40 oo** |
| 10 | 38250 | 55080 | 44920 | 83170 | 90 |
| 20 | 39024 | 55860 | 44140 | 83164 | 80 |
| 30 | 39797 | 56639 | 43361 | 83158 | 70 |
| 40 | 40570 | 57418 | 42582 | 83152 | 60 |
| 50 | 41343 | 58197 | 41803 | 83146 | 50 |
| 60 | 42115 | 58976 | 41024 | 83140 | 40 |
| 70 | 42888 | 59754 | 40246 | 83134 | 30 |
| 80 | 43661 | 60533 | 39467 | 83128 | 20 |
| 90 | 44433 | 61311 | 38689 | 83122 | 10 |
| **61 oo** | 45205 | 62089 | 37911 | 83116 | **39 oo** |
| 10 | 45977 | 62868 | 37132 | 83110 | 90 |
| 20 | 46749 | 63645 | 36355 | 83104 | 80 |
| 30 | 47521 | 64423 | 35577 | 83098 | 70 |
| 40 | 48293 | 65201 | 34799 | 83092 | 60 |
| 50 | 49064 | 65979 | 34021 | 83086 | 50 |
| 60 | 49835 | 66756 | 33244 | 83080 | 40 |
| 70 | 50607 | 67533 | 32467 | 83073 | 30 |
| 80 | 51378 | 68310 | 31690 | 83067 | 20 |
| 90 | 52149 | 69087 | 30913 | 83061 | 10 |
| **62 oo** | 52920 | 69864 | 30136 | 83055 | **38 oo** |
| 10 | 53690 | 70641 | 29359 | 83049 | 90 |
| 20 | 54461 | 71418 | 28582 | 83043 | 80 |
| 30 | 55231 | 72194 | 27806 | 83037 | 70 |
| 40 | 56002 | 72970 | 27030 | 83031 | 60 |
| 50 | 56772 | 73746 | 26254 | 83025 | 50 |
| 60 | 57542 | 74523 | 25477 | 83019 | 40 |
| 70 | 58312 | 75298 | 24702 | 83013 | 30 |
| 80 | 59081 | 76074 | 23926 | 83007 | 20 |
| 90 | 59851 | 76850 | 23150 | 83001 | 10 |
| **63 oo** | 60620 | 77625 | 22375 | 82995 | **37 oo** |
| 10 | 61390 | 78401 | 21599 | 82989 | 90 |
| 20 | 62159 | 79176 | 20824 | 82983 | 80 |
| 30 | 62928 | 79951 | 20049 | 82977 | 70 |
| 40 | 63697 | 80726 | 19274 | 82971 | 60 |
| 50 | 64465 | 81501 | 18499 | 82965 | 50 |
| 60 | 65234 | 82275 | 17725 | 82959 | 40 |
| 70 | 66003 | 83050 | 16950 | 82953 | 30 |
| 80 | 66771 | 83824 | 16176 | 82947 | 20 |
| 90 | 67539 | 84599 | 15401 | 82940 | 10 |
| **64 oo** | 68307 | 85373 | 14627 | 82934 | **36 oo** |
| 10 | 69075 | 86147 | 13853 | 82928 | 90 |
| 20 | 69843 | 86921 | 13079 | 82922 | 80 |
| 30 | 70611 | 87694 | 12306 | 82916 | 70 |
| 40 | 71378 | 88468 | 11532 | 82910 | 60 |
| 50 | 72146 | 89241 | 10759 | 82904 | 50 |
| 60 | 72913 | 90015 | 09985 | 82898 | 40 |
| 70 | 73680 | 90788 | 09212 | 82892 | 30 |
| 80 | 74447 | 91561 | 08439 | 82886 | 20 |
| 90 | 75214 | 92334 | 07666 | 82880 | 10 |
| **65 oo** | 75981 | 93107 | 06893 | 82874 | **35 oo** |
| | **8.94** | **8.94** | **1.05** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 767 | 773 | 773 | 7 | 94g |

| 5g | 767 | 773 | 773 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.94** | ∗**8.94** | ∗**1.05** | **9.99** | |
| **65 oo** | 75981 | ∗93107 | ∗06893 | 82874 | **35 oo** |
| 10 | 76747 | ∗93879 | ∗06121 | 82868 | 90 |
| 20 | 77514 | ∗94652 | ∗05348 | 82862 | 80 |
| 30 | 78280 | ∗95424 | ∗04576 | 82856 | 70 |
| 40 | 79046 | ∗96197 | ∗03803 | 82849 | 60 |
| 50 | 79812 | ∗96969 | ∗03031 | 82843 | 50 |
| 60 | 80578 | ∗97741 | ∗02259 | 82837 | 40 |
| 70 | 81344 | ∗98512 | ∗01488 | 82831 | 30 |
| 80 | 82109 | ∗99284 | ∗00716 | 82825 | 20 |
| 90 | 82875 | 00056 | 99944 | 82819 | 10 |
| **66 oo** | 83640 | 00827 | 99173 | 82813 | **34 oo** |
| 10 | 84405 | 01598 | 98402 | 82807 | 90 |
| 20 | 85170 | 02370 | 97630 | 82801 | 80 |
| 30 | 85935 | 03141 | 96859 | 82795 | 70 |
| 40 | 86700 | 03911 | 96089 | 82789 | 60 |
| 50 | 87465 | 04682 | 95318 | 82783 | 50 |
| 60 | 88229 | 05453 | 94547 | 82777 | 40 |
| 70 | 88994 | 06223 | 93777 | 82770 | 30 |
| 80 | 89758 | 06994 | 93006 | 82764 | 20 |
| 90 | 90522 | 07764 | 92236 | 82758 | 10 |
| **67 oo** | 91286 | 08534 | 91466 | 82752 | **33 oo** |
| 10 | 92050 | 09304 | 90696 | 82746 | 90 |
| 20 | 92814 | 10074 | 89926 | 82740 | 80 |
| 30 | 93577 | 10843 | 89157 | 82734 | 70 |
| 40 | 94341 | 11613 | 88387 | 82728 | 60 |
| 50 | 95104 | 12382 | 87618 | 82722 | 50 |
| 60 | 95867 | 13152 | 86848 | 82716 | 40 |
| 70 | 96630 | 13921 | 86079 | 82709 | 30 |
| 80 | 97393 | 14690 | 85310 | 82703 | 20 |
| 90 | 98156 | 15459 | 84541 | 82697 | 10 |
| **68 oo** | 98919 | 16227 | 83773 | 82691 | **32 oo** |
| 10 | 99681 | 16996 | 83004 | 82685 | 90 |
| 20 | ∗00444 | 17765 | 82235 | 82679 | 80 |
| 30 | ∗01206 | 18533 | 81467 | 82673 | 70 |
| 40 | ∗01968 | 19301 | 80699 | 82667 | 60 |
| 50 | ∗02730 | 20069 | 79931 | 82661 | 50 |
| 60 | ∗03492 | 20837 | 79163 | 82655 | 40 |
| 70 | ∗04253 | 21605 | 78395 | 82648 | 30 |
| 80 | ∗05015 | 22373 | 77627 | 82642 | 20 |
| 90 | ∗05776 | 23140 | 76860 | 82636 | 10 |
| **69 oo** | ∗06538 | 23908 | 76092 | 82630 | **31 oo** |
| 10 | ∗07299 | 24675 | 75325 | 82624 | 90 |
| 20 | ∗08060 | 25442 | 74558 | 82618 | 80 |
| 30 | ∗08821 | 26209 | 73791 | 82612 | 70 |
| 40 | ∗09581 | 26976 | 73024 | 82606 | 60 |
| 50 | ∗10342 | 27743 | 72257 | 82600 | 50 |
| 60 | ∗11103 | 28509 | 71491 | 82593 | 40 |
| 70 | ∗11863 | 29276 | 70724 | 82587 | 30 |
| 80 | ∗12623 | 30042 | 69958 | 82581 | 20 |
| 90 | ∗13383 | 30808 | 69192 | 82575 | 10 |
| **70 oo** | ∗14143 | 31574 | 68426 | 82569 | **30 oo** |
| | ∗**8.95** | **8.95** | **1.04** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 760 | 766 | 766 | 7 | 94g |

| | 780 | 779 | 778 | 777 | 776 | 775 | 774 | 773 | 772 | 771 | 770 | 769 | 768 | 767 | 766 | 765 | 764 | 763 | 762 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 78,0 | 77,9 | 77,8 | 77,7 | 77,6 | 77,5 | 77,4 | 77,3 | 77,2 | 77,1 | 77,0 | 76,9 | 76,8 | 76,7 | 76,6 | 76,5 | 76,4 | 76,3 | 76,2 | 1 |
| 2 | 156,0 | 155,8 | 155,6 | 155,4 | 155,2 | 155,0 | 154,8 | 154,6 | 154,4 | 154,2 | 154,0 | 153,8 | 153,6 | 153,4 | 153,2 | 153,0 | 152,8 | 152,6 | 152,4 | 2 |
| 3 | 234,0 | 233,7 | 233,4 | 233,1 | 232,8 | 232,5 | 232,2 | 231,9 | 231,6 | 231,3 | 231,0 | 230,7 | 230,4 | 230,1 | 229,8 | 229,5 | 229,2 | 228,9 | 228,6 | 3 |
| 4 | 312,0 | 311,6 | 311,2 | 310,8 | 310,4 | 310,0 | 309,6 | 309,2 | 308,8 | 308,4 | 308,0 | 307,6 | 307,2 | 306,8 | 306,4 | 306,0 | 305,6 | 305,2 | 304,8 | 4 |
| 5 | 390,0 | 389,5 | 389,0 | 388,5 | 388,0 | 387,5 | 387,0 | 386,5 | 386,0 | 385,5 | 385,0 | 384,5 | 384,0 | 383,5 | 383,0 | 382,5 | 382,0 | 381,5 | 381,0 | 5 |
| 6 | 468,0 | 467,4 | 466,8 | 466,2 | 465,6 | 465,0 | 464,4 | 463,8 | 463,2 | 462,6 | 462,0 | 461,4 | 460,8 | 460,2 | 459,6 | 459,0 | 458,4 | 457,8 | 457,2 | 6 |
| 7 | 546,0 | 545,3 | 544,6 | 543,9 | 543,2 | 542,5 | 541,8 | 541,1 | 540,4 | 539,7 | 539,0 | 538,3 | 537,6 | 536,9 | 536,2 | 535,5 | 534,8 | 534,1 | 533,4 | 7 |
| 8 | 624,0 | 623,2 | 622,4 | 621,6 | 620,8 | 620,0 | 619,2 | 618,4 | 617,6 | 616,8 | 616,0 | 615,2 | 614,4 | 613,6 | 612,8 | 612,0 | 611,2 | 610,4 | 609,6 | 8 |
| 9 | 702,0 | 701,1 | 700,2 | 699,3 | 698,4 | 697,5 | 696,6 | 695,7 | 694,8 | 693,9 | 693,0 | 692,1 | 691,2 | 690,3 | 689,4 | 688,5 | 687,6 | 686,7 | 685,8 | 9 |

| 5g | 760 | 766 | 766 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.95** | **8.95** | **1.04** | **9.99** | |
| **70 oo** | 14143 | 31574 | 68426 | 82569 | **30 oo** |
| 10 | 14903 | 32340 | 67660 | 82563 | 90 |
| 20 | 15663 | 33106 | 66894 | 82557 | 80 |
| 30 | 16422 | 33872 | 66128 | 82551 | 70 |
| 40 | 17182 | 34637 | 65363 | 82544 | 60 |
| 50 | 17941 | 35403 | 64597 | 82538 | 50 |
| 60 | 18700 | 36168 | 63832 | 82532 | 40 |
| 70 | 19459 | 36933 | 63067 | 82526 | 30 |
| 80 | 20218 | 37698 | 62302 | 82520 | 20 |
| 90 | 20977 | 38463 | 61537 | 82514 | 10 |
| **71 oo** | 21735 | 39228 | 60772 | 82508 | **29 oo** |
| 10 | 22494 | 39992 | 60008 | 82501 | 90 |
| 20 | 23252 | 40757 | 59243 | 82495 | 80 |
| 30 | 24010 | 41521 | 58479 | 82489 | 70 |
| 40 | 24768 | 42285 | 57715 | 82483 | 60 |
| 50 | 25526 | 43049 | 56951 | 82477 | 50 |
| 60 | 26284 | 43813 | 56187 | 82471 | 40 |
| 70 | 27042 | 44577 | 55423 | 82465 | 30 |
| 80 | 27799 | 45341 | 54659 | 82458 | 20 |
| 90 | 28557 | 46104 | 53896 | 82452 | 10 |
| **72 oo** | 29314 | 46868 | 53132 | 82446 | **28 oo** |
| 10 | 30071 | 47631 | 52369 | 82440 | 90 |
| 20 | 30828 | 48394 | 51606 | 82434 | 80 |
| 30 | 31585 | 49157 | 50843 | 82428 | 70 |
| 40 | 32342 | 49920 | 50080 | 82422 | 60 |
| 50 | 33098 | 50683 | 49317 | 82415 | 50 |
| 60 | 33855 | 51446 | 48554 | 82409 | 40 |
| 70 | 34611 | 52208 | 47792 | 82403 | 30 |
| 80 | 35368 | 52971 | 47029 | 82397 | 20 |
| 90 | 36124 | 53733 | 46267 | 82391 | 10 |
| **73 oo** | 36880 | 54495 | 45505 | 82385 | **27 oo** |
| 10 | 37635 | 55257 | 44743 | 82379 | 90 |
| 20 | 38391 | 56019 | 43981 | 82372 | 80 |
| 30 | 39147 | 56780 | 43220 | 82366 | 70 |
| 40 | 39902 | 57542 | 42458 | 82360 | 60 |
| 50 | 40657 | 58303 | 41697 | 82354 | 50 |
| 60 | 41412 | 59065 | 40935 | 82348 | 40 |
| 70 | 42168 | 59826 | 40174 | 82342 | 30 |
| 80 | 42922 | 60587 | 39413 | 82335 | 20 |
| 90 | 43677 | 61348 | 38652 | 82329 | 10 |
| **74 oo** | 44432 | 62109 | 37891 | 82323 | **26 oo** |
| 10 | 45186 | 62869 | 37131 | 82317 | 90 |
| 20 | 45941 | 63630 | 36370 | 82311 | 80 |
| 30 | 46695 | 64390 | 35610 | 82305 | 70 |
| 40 | 47449 | 65151 | 34849 | 82298 | 60 |
| 50 | 48203 | 65911 | 34089 | 82292 | 50 |
| 60 | 48957 | 66671 | 33329 | 82286 | 40 |
| 70 | 49710 | 67431 | 32569 | 82280 | 30 |
| 80 | 50464 | 68190 | 31810 | 82274 | 20 |
| 90 | 51217 | 68950 | 31050 | 82268 | 10 |
| **75 oo** | 51971 | 69709 | 30291 | 82261 | **25 oo** |
| | **8.95** | **8.95** | **1.04** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **94g** |
| | 753 | 759 | 759 | 7 | |

| 5g | 753 | 760 | 760 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.95** | **8.95** | **1.04** | **9.99** | |
| **75 oo** | 51971 | 69709 | 30291 | 82261 | **25 oo** |
| 10 | 52724 | 70469 | 29531 | 82255 | 90 |
| 20 | 53477 | 71228 | 28772 | 82249 | 80 |
| 30 | 54230 | 71987 | 28013 | 82243 | 70 |
| 40 | 54983 | 72746 | 27254 | 82237 | 60 |
| 50 | 55735 | 73505 | 26495 | 82230 | 50 |
| 60 | 56488 | 74264 | 25736 | 82224 | 40 |
| 70 | 57240 | 75022 | 24978 | 82218 | 30 |
| 80 | 57992 | 75781 | 24219 | 82212 | 20 |
| 90 | 58745 | 76539 | 23461 | 82206 | 10 |
| **76 oo** | 59497 | 77297 | 22703 | 82199 | **24 oo** |
| 10 | 60248 | 78055 | 21945 | 82193 | 90 |
| 20 | 61000 | 78813 | 21187 | 82187 | 80 |
| 30 | 61752 | 79571 | 20429 | 82181 | 70 |
| 40 | 62503 | 80329 | 19671 | 82175 | 60 |
| 50 | 63255 | 81086 | 18914 | 82169 | 50 |
| 60 | 64006 | 81843 | 18157 | 82162 | 40 |
| 70 | 64757 | 82601 | 17399 | 82156 | 30 |
| 80 | 65508 | 83358 | 16642 | 82150 | 20 |
| 90 | 66259 | 84115 | 15885 | 82144 | 10 |
| **77 oo** | 67009 | 84872 | 15128 | 82138 | **23 oo** |
| 10 | 67760 | 85628 | 14372 | 82131 | 90 |
| 20 | 68510 | 86385 | 13615 | 82125 | 80 |
| 30 | 69261 | 87142 | 12858 | 82119 | 70 |
| 40 | 70011 | 87898 | 12102 | 82113 | 60 |
| 50 | 70761 | 88654 | 11346 | 82107 | 50 |
| 60 | 71511 | 89410 | 10590 | 82100 | 40 |
| 70 | 72260 | 90166 | 09834 | 82094 | 30 |
| 80 | 73010 | 90922 | 09078 | 82088 | 20 |
| 90 | 73760 | 91678 | 08322 | 82082 | 10 |
| **78 oo** | 74509 | 92433 | 07567 | 82075 | **22 oo** |
| 10 | 75258 | 93189 | 06811 | 82069 | 90 |
| 20 | 76007 | 93944 | 06056 | 82063 | 80 |
| 30 | 76756 | 94699 | 05301 | 82057 | 70 |
| 40 | 77505 | 95454 | 04546 | 82051 | 60 |
| 50 | 78254 | 96209 | 03791 | 82044 | 50 |
| 60 | 79002 | 96964 | 03036 | 82038 | 40 |
| 70 | 79751 | 97719 | 02281 | 82032 | 30 |
| 80 | 80499 | 98473 | 01527 | 82026 | 20 |
| 90 | 81247 | 99228 | 00772 | 82020 | 10 |
| **79 oo** | 81995 | 99982 | 00018 | 82013 | **21 oo** |
| 10 | 82743 | *00736 | *99264 | 82007 | 90 |
| 20 | 83491 | *01490 | *98510 | 82001 | 80 |
| 30 | 84239 | *02244 | *97756 | 81995 | 70 |
| 40 | 84986 | *02998 | *97002 | 81988 | 60 |
| 50 | 85734 | *03752 | *96248 | 81982 | 50 |
| 60 | 86481 | *04505 | *95495 | 81976 | 40 |
| 70 | 87228 | *05259 | *94741 | 81970 | 30 |
| 80 | 87975 | *06012 | *93988 | 81964 | 20 |
| 90 | 88722 | *06765 | *93235 | 81957 | 10 |
| **80 oo** | 89469 | *07518 | *92482 | 81951 | **20 oo** |
| | **8.95** | ***8.96** | ***1.03** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **94g** |
| | 747 | 753 | 753 | 7 | |

| | 765 | 764 | 763 | 762 | 761 | 760 | 759 | 758 | 757 | 756 | 755 | 754 | 753 | 752 | 751 | 750 | 749 | 748 | 747 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 76,5 | 76,4 | 76,3 | 76,2 | 76,1 | 76,0 | 75,9 | 75,8 | 75,7 | 75,6 | 75,5 | 75,4 | 75,3 | 75,2 | 75,1 | 75,0 | 74,9 | 74,8 | 74,7 | 1 |
| 2 | 153,0 | 152,8 | 152,6 | 152,4 | 152,2 | 152,0 | 151,8 | 151,6 | 151,4 | 151,2 | 151,0 | 150,8 | 150,6 | 150,4 | 150,2 | 150,0 | 149,8 | 149,6 | 149,4 | 2 |
| 3 | 229,5 | 229,2 | 228,9 | 228,6 | 228,3 | 228,0 | 227,7 | 227,4 | 227,1 | 226,8 | 226,5 | 226,2 | 225,9 | 225,6 | 225,3 | 225,0 | 224,7 | 224,4 | 224,1 | 3 |
| 4 | 306,0 | 305,6 | 305,2 | 304,8 | 304,4 | 304,0 | 303,6 | 303,2 | 302,8 | 302,4 | 302,0 | 301,6 | 301,2 | 300,8 | 300,4 | 300,0 | 299,6 | 299,2 | 298,8 | 4 |
| 5 | 382,5 | 382,0 | 381,5 | 381,0 | 380,5 | 380,0 | 379,5 | 379,0 | 378,5 | 378,0 | 377,5 | 377,0 | 376,5 | 376,0 | 375,5 | 375,0 | 374,5 | 374,0 | 373,5 | 5 |
| 6 | 459,0 | 458,4 | 457,8 | 457,2 | 456,6 | 456,0 | 455,4 | 454,8 | 454,2 | 453,6 | 453,0 | 452,4 | 451,8 | 451,2 | 450,6 | 450,0 | 449,4 | 448,8 | 448,2 | 6 |
| 7 | 535,5 | 534,8 | 534,1 | 533,4 | 532,7 | 532,0 | 531,3 | 530,6 | 529,9 | 529,2 | 528,5 | 527,8 | 527,1 | 526,4 | 525,7 | 525,0 | 524,3 | 523,6 | 522,9 | 7 |
| 8 | 612,0 | 611,2 | 610,4 | 609,6 | 608,8 | 608,0 | 607,2 | 606,4 | 605,6 | 604,8 | 604,0 | 603,2 | 602,4 | 601,6 | 600,8 | 600,0 | 599,2 | 598,4 | 597,6 | 8 |
| 9 | 688,5 | 687,6 | 686,7 | 685,8 | 684,9 | 684,0 | 683,1 | 682,2 | 681,3 | 680,4 | 679,5 | 678,6 | 677,7 | 676,8 | 675,9 | 675,0 | 674,1 | 673,2 | 672,3 | 9 |

| 5g | 747 | 753 | 753 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *8.95 | 8.96 | 1.03 | 9.99 | |
| 80 oo | *89469 | 07518 | 92482 | 81951 | 20 oo |
| 10 | *90216 | 08271 | 91729 | 81945 | 90 |
| 20 | *90962 | 09024 | 90976 | 81939 | 80 |
| 30 | *91709 | 09776 | 90224 | 81932 | 70 |
| 40 | *92455 | 10529 | 89471 | 81926 | 60 |
| 50 | *93201 | 11281 | 88719 | 81920 | 50 |
| 60 | *93947 | 12033 | 87967 | 81914 | 40 |
| 70 | *94693 | 12785 | 87215 | 81907 | 30 |
| 80 | *95439 | 13537 | 86463 | 81901 | 20 |
| 90 | *96184 | 14289 | 85711 | 81895 | 10 |
| 81 oo | *96930 | 15041 | 84959 | 81889 | 19 oo |
| 10 | *97675 | 15793 | 84207 | 81882 | 90 |
| 20 | *98420 | 16544 | 83456 | 81876 | 80 |
| 30 | *99165 | 17295 | 82705 | 81870 | 70 |
| 40 | *99910 | 18047 | 81953 | 81864 | 60 |
| 50 | 00655 | 18798 | 81202 | 81857 | 50 |
| 60 | 01400 | 19549 | 80451 | 81851 | 40 |
| 70 | 02144 | 20300 | 79700 | 81845 | 30 |
| 80 | 02889 | 21050 | 78950 | 81839 | 20 |
| 90 | 03633 | 21801 | 78199 | 81832 | 10 |
| 82 oo | 04377 | 22551 | 77449 | 81826 | 18 oo |
| 10 | 05122 | 23302 | 76698 | 81820 | 90 |
| 20 | 05865 | 24052 | 75948 | 81814 | 80 |
| 30 | 06609 | 24802 | 75198 | 81807 | 70 |
| 40 | 07353 | 25552 | 74448 | 81801 | 60 |
| 50 | 08096 | 26302 | 73698 | 81795 | 50 |
| 60 | 08840 | 27051 | 72949 | 81789 | 40 |
| 70 | 09583 | 27801 | 72199 | 81782 | 30 |
| 80 | 10326 | 28550 | 71450 | 81776 | 20 |
| 90 | 11069 | 29300 | 70700 | 81770 | 10 |
| 83 oo | 11812 | 30049 | 69951 | 81764 | 17 oo |
| 10 | 12555 | 30798 | 69202 | 81757 | 90 |
| 20 | 13298 | 31547 | 68453 | 81751 | 80 |
| 30 | 14040 | 32295 | 67705 | 81745 | 70 |
| 40 | 14783 | 33044 | 66956 | 81739 | 60 |
| 50 | 15525 | 33793 | 66207 | 81732 | 50 |
| 60 | 16267 | 34541 | 65459 | 81726 | 40 |
| 70 | 17009 | 35289 | 64711 | 81720 | 30 |
| 80 | 17751 | 36038 | 63962 | 81713 | 20 |
| 90 | 18493 | 36786 | 63214 | 81707 | 10 |
| 84 oo | 19234 | 37533 | 62467 | 81701 | 16 oo |
| 10 | 19976 | 38281 | 61719 | 81695 | 90 |
| 20 | 20717 | 39029 | 60971 | 81688 | 80 |
| 30 | 21459 | 39776 | 60224 | 81682 | 70 |
| 40 | 22200 | 40524 | 59476 | 81676 | 60 |
| 50 | 22941 | 41271 | 58729 | 81670 | 50 |
| 60 | 23682 | 42018 | 57982 | 81663 | 40 |
| 70 | 24422 | 42765 | 57235 | 81657 | 30 |
| 80 | 25163 | 43512 | 56488 | 81651 | 20 |
| 90 | 25903 | 44259 | 55741 | 81644 | 10 |
| 85 oo | 26644 | 45006 | 54994 | 81638 | 15 oo |
| | 8.96 | 8.96 | 1.03 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 94g |
| | 740 | 747 | 747 | 7 | |

| 5g | 740 | 747 | 747 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 8.96 | 8.96 | 1.03 | 9.99 | |
| 85 oo | 26644 | 45006 | 54994 | 81638 | 15 oo |
| 10 | 27384 | 45752 | 54248 | 81632 | 90 |
| 20 | 28124 | 46499 | 53501 | 81626 | 80 |
| 30 | 28864 | 47245 | 52755 | 81619 | 70 |
| 40 | 29604 | 47991 | 52009 | 81613 | 60 |
| 50 | 30344 | 48737 | 51263 | 81607 | 50 |
| 60 | 31083 | 49483 | 50517 | 81600 | 40 |
| 70 | 31823 | 50229 | 49771 | 81594 | 30 |
| 80 | 32562 | 50974 | 49026 | 81588 | 20 |
| 90 | 33301 | 51720 | 48280 | 81581 | 10 |
| 86 oo | 34040 | 52465 | 47535 | 81575 | 14 oo |
| 10 | 34779 | 53210 | 46790 | 81569 | 90 |
| 20 | 35518 | 53955 | 46045 | 81563 | 80 |
| 30 | 36257 | 54700 | 45300 | 81556 | 70 |
| 40 | 36995 | 55445 | 44555 | 81550 | 60 |
| 50 | 37734 | 56190 | 43810 | 81544 | 50 |
| 60 | 38472 | 56935 | 43065 | 81537 | 40 |
| 70 | 39210 | 57679 | 42321 | 81531 | 30 |
| 80 | 39948 | 58424 | 41576 | 81525 | 20 |
| 90 | 40686 | 59168 | 40832 | 81518 | 10 |
| 87 oo | 41424 | 59912 | 40088 | 81512 | 13 oo |
| 10 | 42162 | 60656 | 39344 | 81506 | 90 |
| 20 | 42899 | 61400 | 38600 | 81500 | 80 |
| 30 | 43637 | 62144 | 37856 | 81493 | 70 |
| 40 | 44374 | 62887 | 37113 | 81487 | 60 |
| 50 | 45111 | 63631 | 36369 | 81481 | 50 |
| 60 | 45848 | 64374 | 35626 | 81474 | 40 |
| 70 | 46585 | 65117 | 34883 | 81468 | 30 |
| 80 | 47322 | 65861 | 34139 | 81462 | 20 |
| 90 | 48059 | 66604 | 33396 | 81455 | 10 |
| 88 oo | 48795 | 67346 | 32654 | 81449 | 12 oo |
| 10 | 49532 | 68089 | 31911 | 81443 | 90 |
| 20 | 50268 | 68832 | 31168 | 81436 | 80 |
| 30 | 51004 | 69574 | 30426 | 81430 | 70 |
| 40 | 51740 | 70317 | 29683 | 81424 | 60 |
| 50 | 52476 | 71059 | 28941 | 81417 | 50 |
| 60 | 53212 | 71801 | 28199 | 81411 | 40 |
| 70 | 53948 | 72543 | 27457 | 81405 | 30 |
| 80 | 54683 | 73285 | 26715 | 81398 | 20 |
| 90 | 55419 | 74027 | 25973 | 81392 | 10 |
| 89 oo | 56154 | 74768 | 25232 | 81386 | 11 oo |
| 10 | 56889 | 75510 | 24490 | 81379 | 90 |
| 20 | 57624 | 76251 | 23749 | 81373 | 80 |
| 30 | 58359 | 76992 | 23008 | 81367 | 70 |
| 40 | 59094 | 77734 | 22266 | 81360 | 60 |
| 50 | 59829 | 78475 | 21525 | 81354 | 50 |
| 60 | 60563 | 79215 | 20785 | 81348 | 40 |
| 70 | 61298 | 79956 | 20044 | 81341 | 30 |
| 80 | 62032 | 80697 | 19303 | 81335 | 20 |
| 90 | 62766 | 81437 | 18563 | 81329 | 10 |
| 90 oo | 63500 | 82178 | 17822 | 81322 | 10 oo |
| | 8.96 | 8.96 | 1.03 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 94g |
| | 734 | 740 | 740 | 7 | |

| | 753 | 752 | 751 | 750 | 749 | 748 | 747 | 746 | 745 | 744 | 743 | 742 | 741 | 740 | 739 | 738 | 737 | 736 | 735 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 75,3 | 75,2 | 75,1 | 75,0 | 74,9 | 74,8 | 74,7 | 74,6 | 74,5 | 74,4 | 74,3 | 74,2 | 74,1 | 74,0 | 73,9 | 73,8 | 73,7 | 73,6 | 73,5 | 1 |
| 2 | 150,6 | 150,4 | 150,2 | 150,0 | 149,8 | 149,6 | 149,4 | 149,2 | 149,0 | 148,8 | 148,6 | 148,4 | 148,2 | 148,0 | 147,8 | 147,6 | 147,4 | 147,2 | 147,0 | 2 |
| 3 | 225,9 | 225,6 | 225,3 | 225,0 | 224,7 | 224,4 | 224,1 | 223,8 | 223,5 | 223,2 | 222,9 | 222,6 | 222,3 | 222,0 | 221,7 | 221,4 | 221,1 | 220,8 | 220,5 | 3 |
| 4 | 301,2 | 300,8 | 300,4 | 300,0 | 299,6 | 299,2 | 298,8 | 298,4 | 298,0 | 297,6 | 297,2 | 296,8 | 296,4 | 296,0 | 295,6 | 295,2 | 294,8 | 294,4 | 294,0 | 4 |
| 5 | 376,5 | 376,0 | 375,5 | 375,0 | 374,5 | 374,0 | 373,5 | 373,0 | 372,5 | 372,0 | 371,5 | 371,0 | 370,5 | 370,0 | 369,5 | 369,0 | 368,5 | 368,0 | 367,5 | 5 |
| 6 | 451,8 | 451,2 | 450,6 | 450,0 | 449,4 | 448,8 | 448,2 | 447,6 | 447,0 | 446,4 | 445,8 | 445,2 | 444,6 | 444,0 | 443,4 | 442,8 | 442,2 | 441,6 | 441,0 | 6 |
| 7 | 527,1 | 526,4 | 525,7 | 525,0 | 524,3 | 523,6 | 522,9 | 522,2 | 521,5 | 520,8 | 520,1 | 519,4 | 518,7 | 518,0 | 517,3 | 516,6 | 515,9 | 515,2 | 514,5 | 7 |
| 8 | 602,4 | 601,6 | 600,8 | 600,0 | 599,2 | 598,4 | 597,6 | 596,8 | 596,0 | 595,2 | 594,4 | 593,6 | 592,8 | 592,0 | 591,2 | 590,4 | 589,6 | 588,8 | 588,0 | 8 |
| 9 | 677,7 | 676,8 | 675,9 | 675,0 | 674,1 | 673,2 | 672,3 | 671,4 | 670,5 | 669,6 | 668,7 | 667,8 | 666,9 | 666,0 | 665,1 | 664,2 | 663,3 | 662,4 | 661,5 | 9 |

| 5g | 734 | 740 | 740 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.96** | ∗**8.96** | ∗**1.03** | **9.99** | |
| **90 oo** | 63500 | ∗82178 | ∗17822 | 81322 | **10 oo** |
| 10 | 64234 | ∗82918 | ∗17082 | 81316 | 90 |
| 20 | 64968 | ∗83658 | ∗16342 | 81310 | 80 |
| 30 | 65702 | ∗84398 | ∗15602 | 81303 | 70 |
| 40 | 66435 | ∗85138 | ∗14862 | 81297 | 60 |
| 50 | 67169 | ∗85878 | ∗14122 | 81291 | 50 |
| 60 | 67902 | ∗86617 | ∗13383 | 81284 | 40 |
| 70 | 68635 | ∗87357 | ∗12643 | 81278 | 30 |
| 80 | 69368 | ∗88096 | ∗11904 | 81272 | 20 |
| 90 | 70101 | ∗88836 | ∗11164 | 81265 | 10 |
| **91 oo** | 70834 | ∗89575 | ∗10425 | 81259 | **09 oo** |
| 10 | 71566 | ∗90314 | ∗09686 | 81253 | 90 |
| 20 | 72299 | ∗91053 | ∗08947 | 81246 | 80 |
| 30 | 73031 | ∗91791 | ∗08209 | 81240 | 70 |
| 40 | 73764 | ∗92530 | ∗07470 | 81234 | 60 |
| 50 | 74496 | ∗93269 | ∗06731 | 81227 | 50 |
| 60 | 75228 | ∗94007 | ∗05993 | 81221 | 40 |
| 70 | 75960 | ∗94745 | ∗05255 | 81214 | 30 |
| 80 | 76692 | ∗95484 | ∗04516 | 81208 | 20 |
| 90 | 77423 | ∗96222 | ∗03778 | 81202 | 10 |
| **92 oo** | 78155 | ∗96959 | ∗03041 | 81195 | **08 oo** |
| 10 | 78886 | ∗97697 | ∗02303 | 81189 | 90 |
| 20 | 79618 | ∗98435 | ∗01565 | 81183 | 80 |
| 30 | 80349 | ∗99172 | ∗00828 | 81176 | 70 |
| 40 | 81080 | ∗99910 | ∗00090 | 81170 | 60 |
| 50 | 81811 | 00647 | 99353 | 81164 | 50 |
| 60 | 82542 | 01384 | 98616 | 81157 | 40 |
| 70 | 83272 | 02121 | 97879 | 81151 | 30 |
| 80 | 84003 | 02858 | 97142 | 81144 | 20 |
| 90 | 84733 | 03595 | 96405 | 81138 | 10 |
| **93 oo** | 85464 | 04332 | 95668 | 81132 | **07 oo** |
| 10 | 86194 | 05068 | 94932 | 81125 | 90 |
| 20 | 86924 | 05805 | 94195 | 81119 | 80 |
| 30 | 87654 | 06541 | 93459 | 81113 | 70 |
| 40 | 88384 | 07277 | 92723 | 81106 | 60 |
| 50 | 89113 | 08013 | 91987 | 81100 | 50 |
| 60 | 89843 | 08749 | 91251 | 81093 | 40 |
| 70 | 90572 | 09485 | 90515 | 81087 | 30 |
| 80 | 91302 | 10221 | 89779 | 81081 | 20 |
| 90 | 92031 | 10956 | 89044 | 81074 | 10 |
| **94 oo** | 92760 | 11692 | 88308 | 81068 | **06 oo** |
| 10 | 93489 | 12427 | 87573 | 81062 | 90 |
| 20 | 94218 | 13162 | 86838 | 81055 | 80 |
| 30 | 94946 | 13898 | 86102 | 81049 | 70 |
| 40 | 95675 | 14633 | 85367 | 81042 | 60 |
| 50 | 96403 | 15367 | 84633 | 81036 | 50 |
| 60 | 97132 | 16102 | 83898 | 81030 | 40 |
| 70 | 97860 | 16837 | 83163 | 81023 | 30 |
| 80 | 98588 | 17571 | 82429 | 81017 | 20 |
| 90 | 99316 | 18306 | 81694 | 81010 | 10 |
| **95 oo** | ∗00044 | 19040 | 80960 | 81004 | **05 oo** |
| | ∗**8.97** | **8.97** | **1.02** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | $7^{28}$ | 734 | 734 | 7 | $94^{g}$ |

| 5g | $7^{28}$ | 734 | 734 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.97** | **8.97** | **1.02** | **9.99** | |
| **95 oo** | 00044 | 19040 | 80960 | 81004 | **05 oo** |
| 10 | 00772 | 19774 | 80226 | 80998 | 90 |
| 20 | 01499 | 20508 | 79492 | 80991 | 80 |
| 30 | 02227 | 21242 | 78758 | 80985 | 70 |
| 40 | 02954 | 21976 | 78024 | 80978 | 60 |
| 50 | 03681 | 22709 | 77291 | 80972 | 50 |
| 60 | 04408 | 23443 | 76557 | 80966 | 40 |
| 70 | 05135 | 24176 | 75824 | 80959 | 30 |
| 80 | 05862 | 24909 | 75091 | 80953 | 20 |
| 90 | 06589 | 25642 | 74358 | 80946 | 10 |
| **96 oo** | 07315 | 26375 | 73625 | 80940 | **04 oo** |
| 10 | 08042 | 27108 | 72892 | 80934 | 90 |
| 20 | 08768 | 27841 | 72159 | 80927 | 80 |
| 30 | 09495 | 28574 | 71426 | 80921 | 70 |
| 40 | 10221 | 29306 | 70694 | 80914 | 60 |
| 50 | 10947 | 30039 | 69961 | 80908 | 50 |
| 60 | 11673 | 30771 | 69229 | 80902 | 40 |
| 70 | 12398 | 31503 | 68497 | 80895 | 30 |
| 80 | 13124 | 32235 | 67765 | 80889 | 20 |
| 90 | 13849 | 32967 | 67033 | 80882 | 10 |
| **97 oo** | 14575 | 33699 | 66301 | 80876 | **03 oo** |
| 10 | 15300 | 34431 | 65569 | 80870 | 90 |
| 20 | 16025 | 35162 | 64838 | 80863 | 80 |
| 30 | 16750 | 35894 | 64106 | 80857 | 70 |
| 40 | 17475 | 36625 | 63375 | 80850 | 60 |
| 50 | 18200 | 37356 | 62644 | 80844 | 50 |
| 60 | 18925 | 38087 | 61913 | 80837 | 40 |
| 70 | 19649 | 38818 | 61182 | 80831 | 30 |
| 80 | 20374 | 39549 | 60451 | 80825 | 20 |
| 90 | 21098 | 40280 | 59720 | 80818 | 10 |
| **98 oo** | 21822 | 41010 | 58990 | 80812 | **02 oo** |
| 10 | 22546 | 41741 | 58259 | 80805 | 90 |
| 20 | 23270 | 42471 | 57529 | 80799 | 80 |
| 30 | 23994 | 43201 | 56799 | 80792 | 70 |
| 40 | 24718 | 43932 | 56068 | 80786 | 60 |
| 50 | 25441 | 44661 | 55339 | 80780 | 50 |
| 60 | 26165 | 45391 | 54609 | 80773 | 40 |
| 70 | 26888 | 46121 | 53879 | 80767 | 30 |
| 80 | 27611 | 46851 | 53149 | 80760 | 20 |
| 90 | 28334 | 47580 | 52420 | 80754 | 10 |
| **99 oo** | 29057 | 48310 | 51690 | 80747 | **01 oo** |
| 10 | 29780 | 49039 | 50961 | 80741 | 90 |
| 20 | 30503 | 49768 | 50232 | 80735 | 80 |
| 30 | 31225 | 50497 | 49503 | 80728 | 70 |
| 40 | 31948 | 51226 | 48774 | 80722 | 60 |
| 50 | 32670 | 51955 | 48045 | 80715 | 50 |
| 60 | 33392 | 52683 | 47317 | 80709 | 40 |
| 70 | 34114 | 53412 | 46588 | 80702 | 30 |
| 80 | 34836 | 54140 | 45860 | 80696 | 20 |
| 90 | 35558 | 54869 | 45131 | 80689 | 10 |
| **100 oo** | 36280 | 55597 | 44403 | 80683 | **00 oo** |
| | **8.97** | **8.97** | **1.02** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 722 | $7^{28}$ | $7^{28}$ | 7 | $94^{g}$ |

| | 740 | 739 | 738 | 737 | 736 | 735 | 734 | 733 | 732 | 731 | 730 | 729 | 728 | 727 | 726 | 725 | 724 | 723 | 722 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 74,0 | 73,9 | 73,8 | 73,7 | 73,6 | 73,5 | 73,4 | 73,3 | 73,2 | 73,1 | 73,0 | 72,9 | 72,8 | 72,7 | 72,6 | 72,5 | 72,4 | 72,3 | 72,2 | 1 |
| 2 | 148,0 | 147,8 | 147,6 | 147,4 | 147,2 | 147,0 | 146,8 | 146,6 | 146,4 | 146,2 | 146,0 | 145,8 | 145,6 | 145,4 | 145,2 | 145,0 | 144,8 | 144,6 | 144,4 | 2 |
| 3 | 222,0 | 221,7 | 221,4 | 221,1 | 220,8 | 220,5 | 220,2 | 219,9 | 219,6 | 219,3 | 219,0 | 218,7 | 218,4 | 218,1 | 217,8 | 217,5 | 217,2 | 216,9 | 216,6 | 3 |
| 4 | 296,0 | 295,6 | 295,2 | 294,8 | 294,4 | 294,0 | 293,6 | 293,2 | 292,8 | 292,4 | 292,0 | 291,6 | 291,2 | 290,8 | 290,4 | 290,0 | 289,6 | 289,2 | 288,8 | 4 |
| 5 | 370,0 | 369,5 | 369,0 | 368,5 | 368,0 | 367,5 | 367,0 | 366,5 | 366,0 | 365,5 | 365,0 | 364,5 | 364,0 | 363,5 | 363,0 | 362,5 | 362,0 | 361,5 | 361,0 | 5 |
| 6 | 444,0 | 443,4 | 442,8 | 442,2 | 441,6 | 441,0 | 440,4 | 439,8 | 439,2 | 438,6 | 438,0 | 437,4 | 436,8 | 436,2 | 435,6 | 435,0 | 434,4 | 433,8 | 433,2 | 6 |
| 7 | 518,0 | 517,3 | 516,6 | 515,9 | 515,2 | 514,5 | 513,8 | 513,1 | 512,4 | 511,7 | 511,0 | 510,3 | 509,6 | 508,9 | 508,2 | 507,5 | 506,8 | 506,1 | 505,4 | 7 |
| 8 | 592,0 | 591,2 | 590,4 | 589,6 | 588,8 | 588,0 | 587,2 | 586,4 | 585,6 | 584,8 | 584,0 | 583,2 | 582,4 | 581,6 | 580,8 | 580,0 | 579,2 | 578,4 | 577,6 | 8 |
| 9 | 666,0 | 665,1 | 664,2 | 663,3 | 662,4 | 661,5 | 660,6 | 659,7 | 658,8 | 657,9 | 657,0 | 656,1 | 655,2 | 654,3 | 653,4 | 652,5 | 651,6 | 650,7 | 649,8 | 9 |

| $6^g$ | 722 | 728 | 728 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.97** | **8.97** | **1.02** | **9.99** | |
| **00 oo** | 36280 | 55597 | 44403 | 80683 | **100 oo** |
| 10 | 37002 | 56325 | 43675 | 80677 | 90 |
| 20 | 37723 | 57053 | 42947 | 80670 | 80 |
| 30 | 38444 | 57781 | 42219 | 80664 | 70 |
| 40 | 39166 | 58508 | 41492 | 80657 | 60 |
| 50 | 39887 | 59236 | 40764 | 80651 | 50 |
| 60 | 40608 | 59964 | 40036 | 80644 | 40 |
| 70 | 41329 | 60691 | 39309 | 80638 | 30 |
| 80 | 42049 | 61418 | 38582 | 80631 | 20 |
| 90 | 42770 | 62145 | 37855 | 80625 | 10 |
| **01 oo** | 43491 | 62872 | 37128 | 80618 | **99 oo** |
| 10 | 44211 | 63599 | 36401 | 80612 | 90 |
| 20 | 44931 | 64326 | 35674 | 80605 | 80 |
| 30 | 45652 | 65052 | 34948 | 80599 | 70 |
| 40 | 46372 | 65779 | 34221 | 80593 | 60 |
| 50 | 47092 | 66505 | 33495 | 80586 | 50 |
| 60 | 47811 | 67232 | 32768 | 80580 | 40 |
| 70 | 48531 | 67958 | 32042 | 80573 | 30 |
| 80 | 49251 | 68684 | 31316 | 80567 | 20 |
| 90 | 49970 | 69410 | 30590 | 80560 | 10 |
| **02 oo** | 50689 | 70136 | 29864 | 80554 | **98 oo** |
| 10 | 51409 | 70861 | 29139 | 80547 | 90 |
| 20 | 52128 | 71587 | 28413 | 80541 | 80 |
| 30 | 52847 | 72312 | 27688 | 80534 | 70 |
| 40 | 53565 | 73038 | 26962 | 80528 | 60 |
| 50 | 54284 | 73763 | 26237 | 80521 | 50 |
| 60 | 55003 | 74488 | 25512 | 80515 | 40 |
| 70 | 55721 | 75213 | 24787 | 80508 | 30 |
| 80 | 56440 | 75938 | 24062 | 80502 | 20 |
| 90 | 57158 | 76662 | 23338 | 80495 | 10 |
| **03 oo** | 57876 | 77387 | 22613 | 80489 | **97 oo** |
| 10 | 58594 | 78111 | 21889 | 80483 | 90 |
| 20 | 59312 | 78836 | 21164 | 80476 | 80 |
| 30 | 60030 | 79560 | 20440 | 80470 | 70 |
| 40 | 60747 | 80284 | 19716 | 80463 | 60 |
| 50 | 61465 | 81008 | 18992 | 80457 | 50 |
| 60 | 62182 | 81732 | 18268 | 80450 | 40 |
| 70 | 62900 | 82456 | 17544 | 80444 | 30 |
| 80 | 63617 | 83180 | 16820 | 80437 | 20 |
| 90 | 64334 | 83903 | 16097 | 80431 | 10 |
| **04 oo** | 65051 | 84627 | 15373 | 80424 | **96 oo** |
| 10 | 65768 | 85350 | 14650 | 80418 | 90 |
| 20 | 66484 | 86073 | 13927 | 80411 | 80 |
| 30 | 67201 | 86796 | 13204 | 80405 | 70 |
| 40 | 67917 | 87519 | 12481 | 80398 | 60 |
| 50 | 68634 | 88242 | 11758 | 80392 | 50 |
| 60 | 69350 | 88965 | 11035 | 80385 | 40 |
| 70 | 70066 | 89687 | 10313 | 80379 | 30 |
| 80 | 70782 | 90410 | 09590 | 80372 | 20 |
| 90 | 71498 | 91132 | 08868 | 80366 | 10 |
| **05 oo** | 72213 | 91854 | 08146 | 80359 | **95 oo** |
| | **8.97** | **8.97** | **1.02** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 715 | 722 | 722 | 7 | |

| $6^g$ | 716 | 722 | 722 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.97** | ∗**8.97** | ∗**1.02** | **9.99** | |
| **05 oo** | 72213 | ∗91854 | ∗08146 | 80359 | **95 oo** |
| 10 | 72929 | ∗92576 | ∗07424 | 80353 | 90 |
| 20 | 73645 | ∗93298 | ∗06702 | 80346 | 80 |
| 30 | 74360 | ∗94020 | ∗05980 | 80340 | 70 |
| 40 | 75075 | ∗94742 | ∗05258 | 80333 | 60 |
| 50 | 75790 | ∗95464 | ∗04536 | 80327 | 50 |
| 60 | 76505 | ∗96185 | ∗03815 | 80320 | 40 |
| 70 | 77220 | ∗96907 | ∗03093 | 80314 | 30 |
| 80 | 77935 | ∗97628 | ∗02372 | 80307 | 20 |
| 90 | 78650 | ∗98349 | ∗01651 | 80301 | 10 |
| **06 oo** | 79364 | ∗99070 | ∗00930 | 80294 | **94 oo** |
| 10 | 80079 | ∗99791 | ∗00209 | 80288 | 90 |
| 20 | 80793 | 00512 | 99488 | 80281 | 80 |
| 30 | 81507 | 01233 | 98767 | 80275 | 70 |
| 40 | 82221 | 01953 | 98047 | 80268 | 60 |
| 50 | 82935 | 02674 | 97326 | 80262 | 50 |
| 60 | 83649 | 03394 | 96606 | 80255 | 40 |
| 70 | 84363 | 04114 | 95886 | 80248 | 30 |
| 80 | 85076 | 04835 | 95165 | 80242 | 20 |
| 90 | 85790 | 05555 | 94445 | 80235 | 10 |
| **07 oo** | 86503 | 06274 | 93726 | 80229 | **93 oo** |
| 10 | 87217 | 06994 | 93006 | 80222 | 90 |
| 20 | 87930 | 07714 | 92286 | 80216 | 80 |
| 30 | 88643 | 08433 | 91567 | 80209 | 70 |
| 40 | 89356 | 09153 | 90847 | 80203 | 60 |
| 50 | 90068 | 09872 | 90128 | 80196 | 50 |
| 60 | 90781 | 10591 | 89409 | 80190 | 40 |
| 70 | 91494 | 11310 | 88690 | 80183 | 30 |
| 80 | 92206 | 12029 | 87971 | 80177 | 20 |
| 90 | 92918 | 12748 | 87252 | 80170 | 10 |
| **08 oo** | 93630 | 13467 | 86533 | 80164 | **92 oo** |
| 10 | 94343 | 14185 | 85815 | 80157 | 90 |
| 20 | 95055 | 14904 | 85096 | 80151 | 80 |
| 30 | 95766 | 15622 | 84378 | 80144 | 70 |
| 40 | 96478 | 16341 | 83659 | 80137 | 60 |
| 50 | 97190 | 17059 | 82941 | 80131 | 50 |
| 60 | 97901 | 17777 | 82223 | 80124 | 40 |
| 70 | 98612 | 18495 | 81505 | 80118 | 30 |
| 80 | 99324 | 19212 | 80788 | 80111 | 20 |
| 90 | ∗00035 | 19930 | 80070 | 80105 | 10 |
| **09 oo** | ∗00746 | 20648 | 79352 | 80098 | **91 oo** |
| 10 | ∗01457 | 21365 | 78635 | 80092 | 90 |
| 20 | ∗02168 | 22082 | 77918 | 80085 | 80 |
| 30 | ∗02878 | 22800 | 77200 | 80079 | 70 |
| 40 | ∗03589 | 23517 | 76483 | 80072 | 60 |
| 50 | ∗04299 | 24234 | 75766 | 80065 | 50 |
| 60 | ∗05009 | 24951 | 75049 | 80059 | 40 |
| 70 | ∗05720 | 25667 | 74333 | 80052 | 30 |
| 80 | ∗06430 | 26384 | 73616 | 80046 | 20 |
| 90 | ∗07140 | 27100 | 72900 | 80039 | 10 |
| **10 oo** | ∗07850 | 27817 | 72183 | 80033 | **90 oo** |
| | ∗**8.98** | **8.98** | **1.01** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 710 | 716 | 716 | 7 | |

| | 728 | 727 | 726 | 725 | 724 | 723 | 722 | 721 | 720 | 719 | 718 | 717 | 716 | 715 | 714 | 713 | 712 | 711 | 710 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 72,8 | 72,7 | 72,6 | 72,5 | 72,4 | 72,3 | 72,2 | 72,1 | 72,0 | 71,9 | 71,8 | 71,7 | 71,6 | 71,5 | 71,4 | 71,3 | 71,2 | 71,1 | 71,0 | 1 |
| 2 | 145,6 | 145,4 | 145,2 | 145,0 | 144,8 | 144,6 | 144,4 | 144,2 | 144,0 | 143,8 | 143,6 | 143,4 | 143,2 | 143,0 | 142,8 | 142,6 | 142,4 | 142,2 | 142,0 | 2 |
| 3 | 218,4 | 218,1 | 217,8 | 217,5 | 217,2 | 216,9 | 216,6 | 216,3 | 216,0 | 215,7 | 215,4 | 215,1 | 214,8 | 214,5 | 214,2 | 213,9 | 213,6 | 213,3 | 213,0 | 3 |
| 4 | 291,2 | 290,8 | 290,4 | 290,0 | 289,6 | 289,2 | 288,8 | 288,4 | 288,0 | 287,6 | 287,2 | 286,8 | 286,4 | 286,0 | 285,6 | 285,2 | 284,8 | 284,4 | 284,0 | 4 |
| 5 | 364,0 | 363,5 | 363,0 | 362,5 | 362,0 | 361,5 | 361,0 | 360,5 | 360,0 | 359,5 | 359,0 | 358,5 | 358,0 | 357,5 | 357,0 | 356,5 | 356,0 | 355,5 | 355,0 | 5 |
| 6 | 436,8 | 436,2 | 435,6 | 435,0 | 434,4 | 433,8 | 433,2 | 432,6 | 432,0 | 431,4 | 430,8 | 430,2 | 429,6 | 429,0 | 428,4 | 427,8 | 427,2 | 426,6 | 426,0 | 6 |
| 7 | 509,6 | 508,9 | 508,2 | 507,5 | 506,8 | 506,1 | 505,4 | 504,7 | 504,0 | 503,3 | 502,6 | 501,9 | 501,2 | 500,5 | 499,8 | 499,1 | 498,4 | 497,7 | 497,0 | 7 |
| 8 | 582,4 | 581,6 | 580,8 | 580,0 | 579,2 | 578,4 | 577,6 | 576,8 | 576,0 | 575,2 | 574,4 | 573,6 | 572,8 | 572,0 | 571,2 | 570,4 | 569,6 | 568,8 | 568,0 | 8 |
| 9 | 655,2 | 654,3 | 653,4 | 652,5 | 651,6 | 650,7 | 649,8 | 648,9 | 648,0 | 647,1 | 646,2 | 645,3 | 644,4 | 643,5 | 642,6 | 641,7 | 640,8 | 639,9 | 639,0 | 9 |

| $6^g$ | 710 | 716 | 716 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.98** | **8.98** | **1.01** | **9.99** | |
| **10 oo** | 07850 | 27817 | 72183 | 80033 | **90 oo** |
| 10 | 08559 | 28533 | 71467 | 80026 | 90 |
| 20 | 09269 | 29249 | 70751 | 80020 | 80 |
| 30 | 09978 | 29965 | 70035 | 80013 | 70 |
| 40 | 10688 | 30681 | 69319 | 80006 | 60 |
| 50 | 11397 | 31397 | 68603 | 80000 | 50 |
| 60 | 12106 | 32113 | 67887 | 79993 | 40 |
| 70 | 12815 | 32828 | 67172 | 79987 | 30 |
| 80 | 13524 | 33544 | 66456 | 79980 | 20 |
| 90 | 14233 | 34259 | 65741 | 79974 | 10 |
| **11 oo** | 14941 | 34974 | 65026 | 79967 | **89 oo** |
| 10 | 15650 | 35689 | 64311 | 79961 | 90 |
| 20 | 16358 | 36404 | 63596 | 79954 | 80 |
| 30 | 17067 | 37119 | 62881 | 79947 | 70 |
| 40 | 17775 | 37834 | 62166 | 79941 | 60 |
| 50 | 18483 | 38549 | 61451 | 79934 | 50 |
| 60 | 19191 | 39263 | 60737 | 79928 | 40 |
| 70 | 19899 | 39978 | 60022 | 79921 | 30 |
| 80 | 20607 | 40692 | 59308 | 79915 | 20 |
| 90 | 21314 | 41406 | 58594 | 79908 | 10 |
| **12 oo** | 22022 | 42120 | 57880 | 79901 | **88 oo** |
| 10 | 22729 | 42834 | 57166 | 79895 | 90 |
| 20 | 23436 | 43548 | 56452 | 79888 | 80 |
| 30 | 24144 | 44262 | 55738 | 79882 | 70 |
| 40 | 24851 | 44976 | 55024 | 79875 | 60 |
| 50 | 25557 | 45689 | 54311 | 79868 | 50 |
| 60 | 26264 | 46402 | 53598 | 79862 | 40 |
| 70 | 26971 | 47116 | 52884 | 79855 | 30 |
| 80 | 27678 | 47829 | 52171 | 79849 | 20 |
| 90 | 28384 | 48542 | 51458 | 79842 | 10 |
| **13 oo** | 29090 | 49255 | 50745 | 79836 | **87 oo** |
| 10 | 29797 | 49968 | 50032 | 79829 | 90 |
| 20 | 30503 | 50680 | 49320 | 79822 | 80 |
| 30 | 31209 | 51393 | 48607 | 79816 | 70 |
| 40 | 31915 | 52105 | 47895 | 79809 | 60 |
| 50 | 32620 | 52818 | 47182 | 79803 | 50 |
| 60 | 33326 | 53530 | 46470 | 79796 | 40 |
| 70 | 34031 | 54242 | 45758 | 79789 | 30 |
| 80 | 34737 | 54954 | 45046 | 79783 | 20 |
| 90 | 35442 | 55666 | 44334 | 79776 | 10 |
| **14 oo** | 36147 | 56378 | 43622 | 79770 | **86 oo** |
| 10 | 36852 | 57089 | 42911 | 79763 | 90 |
| 20 | 37557 | 57801 | 42199 | 79756 | 80 |
| 30 | 38262 | 58512 | 41488 | 79750 | 70 |
| 40 | 38967 | 59224 | 40776 | 79743 | 60 |
| 50 | 39672 | 59935 | 40065 | 79737 | 50 |
| 60 | 40376 | 60646 | 39354 | 79730 | 40 |
| 70 | 41080 | 61357 | 38643 | 79723 | 30 |
| 80 | 41785 | 62068 | 37932 | 79717 | 20 |
| 90 | 42489 | 62779 | 37221 | 79710 | 10 |
| **15 oo** | 43193 | 63489 | 36511 | 79704 | **85 oo** |
| | **8.98** | **8.98** | **1.01** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 704 | 710 | 710 | 7 | |

| $6^g$ | 704 | 711 | 711 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.98** | **8.98** | **1.01** | **9.99** | |
| **15 oo** | 43193 | 63489 | 36511 | 79704 | **85 oo** |
| 10 | 43897 | 64200 | 35800 | 79697 | 90 |
| 20 | 44601 | 64910 | 35090 | 79690 | 80 |
| 30 | 45304 | 65621 | 34379 | 79684 | 70 |
| 40 | 46008 | 66331 | 33669 | 79677 | 60 |
| 50 | 46711 | 67041 | 32959 | 79670 | 50 |
| 60 | 47415 | 67751 | 32249 | 79664 | 40 |
| 70 | 48118 | 68461 | 31539 | 79657 | 30 |
| 80 | 48821 | 69170 | 30830 | 79651 | 20 |
| 90 | 49524 | 69880 | 30120 | 79644 | 10 |
| **16 oo** | 50227 | 70589 | 29411 | 79637 | **84 oo** |
| 10 | 50930 | 71299 | 28701 | 79631 | 90 |
| 20 | 51632 | 72008 | 27992 | 79624 | 80 |
| 30 | 52335 | 72717 | 27283 | 79617 | 70 |
| 40 | 53037 | 73426 | 26574 | 79611 | 60 |
| 50 | 53740 | 74135 | 25865 | 79604 | 50 |
| 60 | 54442 | 74844 | 25156 | 79598 | 40 |
| 70 | 55144 | 75553 | 24447 | 79591 | 30 |
| 80 | 55846 | 76261 | 23739 | 79584 | 20 |
| 90 | 56548 | 76970 | 23030 | 79578 | 10 |
| **17 oo** | 57249 | 77678 | 22322 | 79571 | **83 oo** |
| 10 | 57951 | 78386 | 21614 | 79564 | 90 |
| 20 | 58652 | 79095 | 20905 | 79558 | 80 |
| 30 | 59354 | 79803 | 20197 | 79551 | 70 |
| 40 | 60055 | 80511 | 19489 | 79545 | 60 |
| 50 | 60756 | 81218 | 18782 | 79538 | 50 |
| 60 | 61457 | 81926 | 18074 | 79531 | 40 |
| 70 | 62158 | 82634 | 17366 | 79525 | 30 |
| 80 | 62859 | 83341 | 16659 | 79518 | 20 |
| 90 | 63560 | 84048 | 15952 | 79511 | 10 |
| **18 oo** | 64260 | 84756 | 15244 | 79505 | **82 oo** |
| 10 | 64961 | 85463 | 14537 | 79498 | 90 |
| 20 | 65661 | 86170 | 13830 | 79491 | 80 |
| 30 | 66361 | 86877 | 13123 | 79485 | 70 |
| 40 | 67062 | 87583 | 12417 | 79478 | 60 |
| 50 | 67762 | 88290 | 11710 | 79471 | 50 |
| 60 | 68461 | 88997 | 11003 | 79465 | 40 |
| 70 | 69161 | 89703 | 10297 | 79458 | 30 |
| 80 | 69861 | 90409 | 09591 | 79452 | 20 |
| 90 | 70561 | 91116 | 08884 | 79445 | 10 |
| **19 oo** | 71260 | 91822 | 08178 | 79438 | **81 oo** |
| 10 | 71959 | 92528 | 07472 | 79432 | 90 |
| 20 | 72659 | 93234 | 06766 | 79425 | 80 |
| 30 | 73358 | 93939 | 06061 | 79418 | 70 |
| 40 | 74057 | 94645 | 05355 | 79412 | 60 |
| 50 | 74756 | 95351 | 04649 | 79405 | 50 |
| 60 | 75454 | 96056 | 03944 | 79398 | 40 |
| 70 | 76153 | 96761 | 03239 | 79392 | 30 |
| 80 | 76852 | 97467 | 02533 | 79385 | 20 |
| 90 | 77550 | 98172 | 01828 | 79378 | 10 |
| **20 oo** | 78248 | 98877 | 01123 | 79372 | **80 oo** |
| | **8.98** | **8.98** | **1.01** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 698 | 705 | 705 | 7 | |

| | 716 | 715 | 714 | 713 | 712 | 711 | 710 | 709 | 708 | 707 | 706 | 705 | 704 | 703 | 702 | 701 | 700 | 699 | 698 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 71,6 | 71,5 | 71,4 | 71,3 | 71,2 | 71,1 | 71,0 | 70,9 | 70,8 | 70,7 | 70,6 | 70,5 | 70,4 | 70,3 | 70,2 | 70,1 | 70,0 | 69,9 | 69,8 | 1 |
| 2 | 143,2 | 143,0 | 142,8 | 142,6 | 142,4 | 142,2 | 142,0 | 141,8 | 141,6 | 141,4 | 141,2 | 141,0 | 140,8 | 140,6 | 140,4 | 140,2 | 140,0 | 139,8 | 139,6 | 2 |
| 3 | 214,8 | 214,5 | 214,2 | 213,9 | 213,6 | 213,3 | 213,0 | 212,7 | 212,4 | 212,1 | 211,8 | 211,5 | 211,2 | 210,9 | 210,6 | 210,3 | 210,0 | 209,7 | 209,4 | 3 |
| 4 | 286,4 | 286,0 | 285,6 | 285,2 | 284,8 | 284,4 | 284,0 | 283,6 | 283,2 | 282,8 | 282,4 | 282,0 | 281,6 | 281,2 | 280,8 | 280,4 | 280,0 | 279,6 | 279,2 | 4 |
| 5 | 358,0 | 357,5 | 357,0 | 356,5 | 356,0 | 355,5 | 355,0 | 354,5 | 354,0 | 353,5 | 353,0 | 352,5 | 352,0 | 351,5 | 351,0 | 350,5 | 350,0 | 349,5 | 349,0 | 5 |
| 6 | 429,6 | 429,0 | 428,4 | 427,8 | 427,2 | 426,6 | 426,0 | 425,4 | 424,8 | 424,2 | 423,6 | 423,0 | 422,4 | 421,8 | 421,2 | 420,6 | 420,0 | 419,4 | 418,8 | 6 |
| 7 | 501,2 | 500,5 | 499,8 | 499,1 | 498,4 | 497,7 | 497,0 | 496,3 | 495,6 | 494,9 | 494,2 | 493,5 | 492,8 | 492,1 | 491,4 | 490,7 | 490,0 | 489,3 | 488,6 | 7 |
| 8 | 572,8 | 572,0 | 571,2 | 570,4 | 569,6 | 568,8 | 568,0 | 567,2 | 566,4 | 565,6 | 564,8 | 564,0 | 563,2 | 562,4 | 561,6 | 560,8 | 560,0 | 559,2 | 558,4 | 8 |
| 9 | 644,4 | 643,5 | 642,6 | 641,7 | 640,8 | 639,9 | 639,0 | 638,1 | 637,2 | 636,3 | 635,4 | 634,5 | 633,6 | 632,7 | 631,8 | 630,9 | 630,0 | 629,1 | 628,2 | 9 |

| $6^g$ | 699 | 705 | 705 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.98** | ∗**8.98** | ∗**1.01** | **9.99** | |
| **20 oo** | 78248 | ∗98877 | ∗01123 | 79372 | **80 oo** |
| 10 | 78946 | ∗99581 | ∗00419 | 79365 | 90 |
| 20 | 79645 | 00286 | 99714 | 79358 | 80 |
| 30 | 80343 | 00991 | 99009 | 79352 | 70 |
| 40 | 81040 | 01695 | 98305 | 79345 | 60 |
| 50 | 81738 | 02400 | 97600 | 79338 | 50 |
| 60 | 82436 | 03104 | 96896 | 79332 | 40 |
| 70 | 83133 | 03808 | 96192 | 79325 | 30 |
| 80 | 83831 | 04512 | 95488 | 79318 | 20 |
| 90 | 84528 | 05216 | 94784 | 79312 | 10 |
| **21 oo** | 85225 | 05920 | 94080 | 79305 | **79 oo** |
| 10 | 85922 | 06624 | 93376 | 79298 | 90 |
| 20 | 86619 | 07328 | 92672 | 79292 | 80 |
| 30 | 87316 | 08031 | 91969 | 79285 | 70 |
| 40 | 88013 | 08735 | 91265 | 79278 | 60 |
| 50 | 88709 | 09438 | 90562 | 79272 | 50 |
| 60 | 89406 | 10141 | 89859 | 79265 | 40 |
| 70 | 90102 | 10844 | 89156 | 79258 | 30 |
| 80 | 90799 | 11547 | 88453 | 79251 | 20 |
| 90 | 91495 | 12250 | 87750 | 79245 | 10 |
| **22 oo** | 92191 | 12953 | 87047 | 79238 | **78 oo** |
| 10 | 92887 | 13655 | 86345 | 79231 | 90 |
| 20 | 93583 | 14358 | 85642 | 79225 | 80 |
| 30 | 94278 | 15060 | 84940 | 79218 | 70 |
| 40 | 94974 | 15763 | 84237 | 79211 | 60 |
| 50 | 95669 | 16465 | 83535 | 79205 | 50 |
| 60 | 96365 | 17167 | 82833 | 79198 | 40 |
| 70 | 97060 | 17869 | 82131 | 79191 | 30 |
| 80 | 97755 | 18571 | 81429 | 79185 | 20 |
| 90 | 98450 | 19272 | 80728 | 79178 | 10 |
| **23 oo** | 99145 | 19974 | 80026 | 79171 | **77 oo** |
| 10 | 99840 | 20676 | 79324 | 79164 | 90 |
| 20 | ∗00535 | 21377 | 78623 | 79158 | 80 |
| 30 | ∗01229 | 22078 | 77922 | 79151 | 70 |
| 40 | ∗01924 | 22779 | 77221 | 79144 | 60 |
| 50 | ∗02618 | 23480 | 76520 | 79138 | 50 |
| 60 | ∗03312 | 24181 | 75819 | 79131 | 40 |
| 70 | ∗04007 | 24882 | 75118 | 79124 | 30 |
| 80 | ∗04701 | 25583 | 74417 | 79118 | 20 |
| 90 | ∗05395 | 26284 | 73716 | 79111 | 10 |
| **24 oo** | ∗06088 | 26984 | 73016 | 79104 | **76 oo** |
| 10 | ∗06782 | 27685 | 72315 | 79097 | 90 |
| 20 | ∗07476 | 28385 | 71615 | 79091 | 80 |
| 30 | ∗08169 | 29085 | 70915 | 79084 | 70 |
| 40 | ∗08862 | 29785 | 70215 | 79077 | 60 |
| 50 | ∗09556 | 30485 | 69515 | 79071 | 50 |
| 60 | ∗10249 | 31185 | 68815 | 79064 | 40 |
| 70 | ∗10942 | 31885 | 68115 | 79057 | 30 |
| 80 | ∗11635 | 32584 | 67416 | 79050 | 20 |
| 90 | ∗12328 | 33284 | 66716 | 79044 | 10 |
| **25 oo** | ∗13020 | 33983 | 66017 | 79037 | **75 oo** |
| | ∗**8.99** | **8.99** | **1.00** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 692 | 699 | 699 | 7 | |

| $6^g$ | 693 | 700 | 700 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.99** | **8.99** | **1.00** | **9.99** | |
| **25 oo** | 13020 | 33983 | 66017 | 79037 | **75 oo** |
| 10 | 13713 | 34683 | 65317 | 79030 | 90 |
| 20 | 14405 | 35382 | 64618 | 79024 | 80 |
| 30 | 15098 | 36081 | 63919 | 79017 | 70 |
| 40 | 15790 | 36780 | 63220 | 79010 | 60 |
| 50 | 16482 | 37479 | 62521 | 79003 | 50 |
| 60 | 17174 | 38177 | 61823 | 78997 | 40 |
| 70 | 17866 | 38876 | 61124 | 78990 | 30 |
| 80 | 18558 | 39575 | 60425 | 78983 | 20 |
| 90 | 19249 | 40273 | 59727 | 78977 | 10 |
| **26 oo** | 19941 | 40971 | 59029 | 78970 | **74 oo** |
| 10 | 20633 | 41669 | 58331 | 78963 | 90 |
| 20 | 21324 | 42368 | 57632 | 78956 | 80 |
| 30 | 22015 | 43066 | 56934 | 78950 | 70 |
| 40 | 22706 | 43763 | 56237 | 78943 | 60 |
| 50 | 23397 | 44461 | 55539 | 78936 | 50 |
| 60 | 24088 | 45159 | 54841 | 78929 | 40 |
| 70 | 24779 | 45856 | 54144 | 78923 | 30 |
| 80 | 25470 | 46554 | 53446 | 78916 | 20 |
| 90 | 26160 | 47251 | 52749 | 78909 | 10 |
| **27 oo** | 26851 | 47948 | 52052 | 78902 | **73 oo** |
| 10 | 27541 | 48645 | 51355 | 78896 | 90 |
| 20 | 28231 | 49342 | 50658 | 78889 | 80 |
| 30 | 28922 | 50039 | 49961 | 78882 | 70 |
| 40 | 29612 | 50736 | 49264 | 78875 | 60 |
| 50 | 30301 | 51433 | 48567 | 78869 | 50 |
| 60 | 30991 | 52129 | 47871 | 78862 | 40 |
| 70 | 31681 | 52826 | 47174 | 78855 | 30 |
| 80 | 32371 | 53522 | 46478 | 78848 | 20 |
| 90 | 33060 | 54218 | 45782 | 78842 | 10 |
| **28 oo** | 33749 | 54914 | 45086 | 78835 | **72 oo** |
| 10 | 34439 | 55610 | 44390 | 78828 | 90 |
| 20 | 35128 | 56306 | 43694 | 78821 | 80 |
| 30 | 35817 | 57002 | 42998 | 78815 | 70 |
| 40 | 36506 | 57698 | 42302 | 78808 | 60 |
| 50 | 37195 | 58393 | 41607 | 78801 | 50 |
| 60 | 37883 | 59089 | 40911 | 78794 | 40 |
| 70 | 38572 | 59784 | 40216 | 78788 | 30 |
| 80 | 39260 | 60479 | 39521 | 78781 | 20 |
| 90 | 39949 | 61174 | 38826 | 78774 | 10 |
| **29 oo** | 40637 | 61870 | 38130 | 78767 | **71 oo** |
| 10 | 41325 | 62564 | 37436 | 78761 | 90 |
| 20 | 42013 | 63259 | 36741 | 78754 | 80 |
| 30 | 42701 | 63954 | 36046 | 78747 | 70 |
| 40 | 43389 | 64649 | 35351 | 78740 | 60 |
| 50 | 44077 | 65343 | 34657 | 78734 | 50 |
| 60 | 44764 | 66037 | 33963 | 78727 | 40 |
| 70 | 45452 | 66732 | 33268 | 78720 | 30 |
| 80 | 46139 | 67426 | 32574 | 78713 | 20 |
| 90 | 46826 | 68120 | 31880 | 78706 | 10 |
| **30 oo** | 47513 | 68814 | 31186 | 78700 | **70 oo** |
| | **8.99** | **8.99** | **1.00** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 687 | 694 | 694 | 7 | |

| | 705 | 704 | 703 | 702 | 701 | 700 | 699 | 698 | 697 | 696 | 695 | 694 | 693 | 692 | 691 | 690 | 689 | 688 | 687 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 70,5 | 70,4 | 70,3 | 70,2 | 70,1 | 70,0 | 69,9 | 69,8 | 69,7 | 69,6 | 69,5 | 69,4 | 69,3 | 69,2 | 69,1 | 69,0 | 68,9 | 68,8 | 68,7 | 1 |
| 2 | 141,0 | 140,8 | 140,6 | 140,4 | 140,2 | 140,0 | 139,8 | 139,6 | 139,4 | 139,2 | 139,0 | 138,8 | 138,6 | 138,4 | 138,2 | 138,0 | 137,8 | 137,6 | 137,4 | 2 |
| 3 | 211,5 | 211,2 | 210,9 | 210,6 | 210,3 | 210,0 | 209,7 | 209,4 | 209,1 | 208,8 | 208,5 | 208,2 | 207,9 | 207,6 | 207,3 | 207,0 | 206,7 | 206,4 | 206,1 | 3 |
| 4 | 282,0 | 281,6 | 281,2 | 280,8 | 280,4 | 280,0 | 279,6 | 279,2 | 278,8 | 278,4 | 278,0 | 277,6 | 277,2 | 276,8 | 276,4 | 276,0 | 275,6 | 275,2 | 274,8 | 4 |
| 5 | 352,5 | 352,0 | 351,5 | 351,0 | 350,5 | 350,0 | 349,5 | 349,0 | 348,5 | 348,0 | 347,5 | 347,0 | 346,5 | 346,0 | 345,5 | 345,0 | 344,5 | 344,0 | 343,5 | 5 |
| 6 | 423,0 | 422,4 | 421,8 | 421,2 | 420,6 | 420,0 | 419,4 | 418,8 | 418,2 | 417,6 | 417,0 | 416,4 | 415,8 | 415,2 | 414,6 | 414,0 | 413,4 | 412,8 | 412,2 | 6 |
| 7 | 493,5 | 492,8 | 492,1 | 491,4 | 490,7 | 490,0 | 489,3 | 488,6 | 487,9 | 487,2 | 486,5 | 485,8 | 485,1 | 484,4 | 483,7 | 483,0 | 482,3 | 481,6 | 480,9 | 7 |
| 8 | 564,0 | 563,2 | 562,4 | 561,6 | 560,8 | 560,0 | 559,2 | 558,4 | 557,6 | 556,8 | 556,0 | 555,2 | 554,4 | 553,6 | 552,8 | 552,0 | 551,2 | 550,4 | 549,6 | 8 |
| 9 | 634,5 | 633,6 | 632,7 | 631,8 | 630,9 | 630,0 | 629,1 | 628,2 | 627,3 | 626,4 | 625,5 | 624,6 | 623,7 | 622,8 | 621,9 | 621,0 | 620,1 | 619,2 | 618,3 | 9 |

| $6^g$ | 688 | 694 | 694 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.99** | **8.99** | **1.00** | **9.99** | |
| **30 oo** | 47513 | 68814 | 31186 | 78700 | **70 oo** |
| 10 | 48201 | 69508 | 30492 | 78693 | 90 |
| 20 | 48887 | 70201 | 29799 | 78686 | 80 |
| 30 | 49574 | 70895 | 29105 | 78679 | 70 |
| 40 | 50261 | 71588 | 28412 | 78673 | 60 |
| 50 | 50948 | 72282 | 27718 | 78666 | 50 |
| 60 | 51634 | 72975 | 27025 | 78659 | 40 |
| 70 | 52321 | 73668 | 26332 | 78652 | 30 |
| 80 | 53007 | 74361 | 25639 | 78646 | 20 |
| 90 | 53693 | 75054 | 24946 | 78639 | 10 |
| **31 oo** | 54379 | 75747 | 24253 | 78632 | **69 oo** |
| 10 | 55065 | 76440 | 23560 | 78625 | 90 |
| 20 | 55751 | 77132 | 22868 | 78618 | 80 |
| 30 | 56437 | 77825 | 22175 | 78612 | 70 |
| 40 | 57122 | 78517 | 21483 | 78605 | 60 |
| 50 | 57808 | 79210 | 20790 | 78598 | 50 |
| 60 | 58493 | 79902 | 20098 | 78591 | 40 |
| 70 | 59178 | 80594 | 19406 | 78584 | 30 |
| 80 | 59864 | 81286 | 18714 | 78578 | 20 |
| 90 | 60549 | 81978 | 18022 | 78571 | 10 |
| **32 oo** | 61234 | 82670 | 17330 | 78564 | **68 oo** |
| 10 | 61918 | 83361 | 16639 | 78557 | 90 |
| 20 | 62603 | 84053 | 15947 | 78550 | 80 |
| 30 | 63288 | 84744 | 15256 | 78544 | 70 |
| 40 | 63972 | 85436 | 14564 | 78537 | 60 |
| 50 | 64657 | 86127 | 13873 | 78530 | 50 |
| 60 | 65341 | 86818 | 13182 | 78523 | 40 |
| 70 | 66025 | 87509 | 12491 | 78516 | 30 |
| 80 | 66709 | 88200 | 11800 | 78510 | 20 |
| 90 | 67393 | 88891 | 11109 | 78503 | 10 |
| **33 oo** | 68077 | 89581 | 10419 | 78496 | **67 oo** |
| 10 | 68761 | 90272 | 09728 | 78489 | 90 |
| 20 | 69445 | 90962 | 09038 | 78482 | 80 |
| 30 | 70128 | 91653 | 08347 | 78476 | 70 |
| 40 | 70812 | 92343 | 07657 | 78469 | 60 |
| 50 | 71495 | 93033 | 06967 | 78462 | 50 |
| 60 | 72178 | 93723 | 06277 | 78455 | 40 |
| 70 | 72861 | 94413 | 05587 | 78448 | 30 |
| 80 | 73544 | 95103 | 04897 | 78442 | 20 |
| 90 | 74227 | 95793 | 04207 | 78435 | 10 |
| **34 oo** | 74910 | 96482 | 03518 | 78428 | **66 oo** |
| 10 | 75593 | 97172 | 02828 | 78421 | 90 |
| 20 | 76275 | 97861 | 02139 | 78414 | 80 |
| 30 | 76958 | 98550 | 01450 | 78407 | 70 |
| 40 | 77640 | 99240 | 00760 | 78401 | 60 |
| 50 | 78323 | 99929 | 00071 | 78394 | 50 |
| 60 | 79005 | ∗00618 | ∗99382 | 78387 | 40 |
| 70 | 79687 | ∗01307 | ∗98693 | 78380 | 30 |
| 80 | 80369 | ∗01995 | ∗98005 | 78373 | 20 |
| 90 | 81050 | ∗02684 | ∗97316 | 78367 | 10 |
| **35 oo** | 81732 | ∗03372 | ∗96628 | 78360 | **65 oo** |
| | **8.99** | **∗9.00** | **∗0.99** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 681 | 688 | 688 | 7 | **93g** |

| $6^g$ | 682 | 689 | 689 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **8.99** | **9.00** | **0.99** | **9.99** | |
| **35 oo** | 81732 | 03372 | 96628 | 78360 | **65 oo** |
| 10 | 82414 | 04061 | 95939 | 78353 | 90 |
| 20 | 83095 | 04749 | 95251 | 78346 | 80 |
| 30 | 83777 | 05437 | 94563 | 78339 | 70 |
| 40 | 84458 | 06126 | 93874 | 78332 | 60 |
| 50 | 85139 | 06814 | 93186 | 78326 | 50 |
| 60 | 85820 | 07501 | 92499 | 78319 | 40 |
| 70 | 86501 | 08189 | 91811 | 78312 | 30 |
| 80 | 87182 | 08877 | 91123 | 78305 | 20 |
| 90 | 87863 | 09565 | 90435 | 78298 | 10 |
| **36 oo** | 88543 | 10252 | 89748 | 78291 | **64 oo** |
| 10 | 89224 | 10939 | 89061 | 78285 | 90 |
| 20 | 89904 | 11627 | 88373 | 78278 | 80 |
| 30 | 90585 | 12314 | 87686 | 78271 | 70 |
| 40 | 91265 | 13001 | 86999 | 78264 | 60 |
| 50 | 91945 | 13688 | 86312 | 78257 | 50 |
| 60 | 92625 | 14375 | 85625 | 78250 | 40 |
| 70 | 93305 | 15061 | 84939 | 78243 | 30 |
| 80 | 93985 | 15748 | 84252 | 78237 | 20 |
| 90 | 94664 | 16434 | 83566 | 78230 | 10 |
| **37 oo** | 95344 | 17121 | 82879 | 78223 | **63 oo** |
| 10 | 96023 | 17807 | 82193 | 78216 | 90 |
| 20 | 96703 | 18493 | 81507 | 78209 | 80 |
| 30 | 97382 | 19179 | 80821 | 78202 | 70 |
| 40 | 98061 | 19865 | 80135 | 78196 | 60 |
| 50 | 98740 | 20551 | 79449 | 78189 | 50 |
| 60 | 99419 | 21237 | 78763 | 78182 | 40 |
| 70 | ∗00098 | 21923 | 78077 | 78175 | 30 |
| 80 | ∗00776 | 22608 | 77392 | 78168 | 20 |
| 90 | ∗01455 | 23294 | 76706 | 78161 | 10 |
| **38 oo** | ∗02133 | 23979 | 76021 | 78154 | **62 oo** |
| 10 | ∗02812 | 24664 | 75336 | 78148 | 90 |
| 20 | ∗03490 | 25349 | 74651 | 78141 | 80 |
| 30 | ∗04168 | 26034 | 73966 | 78134 | 70 |
| 40 | ∗04846 | 26719 | 73281 | 78127 | 60 |
| 50 | ∗05524 | 27404 | 72596 | 78120 | 50 |
| 60 | ∗06202 | 28089 | 71911 | 78113 | 40 |
| 70 | ∗06880 | 28773 | 71227 | 78106 | 30 |
| 80 | ∗07557 | 29458 | 70542 | 78100 | 20 |
| 90 | ∗08235 | 30142 | 69858 | 78093 | 10 |
| **39 oo** | ∗08912 | 30827 | 69173 | 78086 | **61 oo** |
| 10 | ∗09590 | 31511 | 68489 | 78079 | 90 |
| 20 | ∗10267 | 32195 | 67805 | 78072 | 80 |
| 30 | ∗10944 | 32879 | 67121 | 78065 | 70 |
| 40 | ∗11621 | 33563 | 66437 | 78058 | 60 |
| 50 | ∗12298 | 34247 | 65753 | 78051 | 50 |
| 60 | ∗12975 | 34930 | 65070 | 78045 | 40 |
| 70 | ∗13651 | 35614 | 64386 | 78038 | 30 |
| 80 | ∗14328 | 36297 | 63703 | 78031 | 20 |
| 90 | ∗15004 | 36980 | 63020 | 78024 | 10 |
| **40 oo** | ∗15681 | 37664 | 62336 | 78017 | **60 oo** |
| | **∗9.00** | **9.00** | **0.99** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 676 | 683 | 683 | 7 | **93g** |

| | 694 | 693 | 692 | 691 | 690 | 689 | 688 | 687 | 686 | 685 | 684 | 683 | 682 | 681 | 680 | 679 | 678 | 677 | 676 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 69,4 | 69,3 | 69,2 | 69,1 | 69,0 | 68,9 | 68,8 | 68,7 | 68,6 | 68,5 | 68,4 | 68,3 | 68,2 | 68,1 | 68,0 | 67,9 | 67,8 | 67,7 | 67,6 | 1 |
| 2 | 138,8 | 138,6 | 138,4 | 138,2 | 138,0 | 137,8 | 137,6 | 137,4 | 137,2 | 137,0 | 136,8 | 136,6 | 136,4 | 136,2 | 136,0 | 135,8 | 135,6 | 135,4 | 135,2 | 2 |
| 3 | 208,2 | 207,9 | 207,6 | 207,3 | 207,0 | 206,7 | 206,4 | 206,1 | 205,8 | 205,5 | 205,2 | 204,9 | 204,6 | 204,3 | 204,0 | 203,7 | 203,4 | 203,1 | 202,8 | 3 |
| 4 | 277,6 | 277,2 | 276,8 | 276,4 | 276,0 | 275,6 | 275,2 | 274,8 | 274,4 | 274,0 | 273,6 | 273,2 | 272,8 | 272,4 | 272,0 | 271,6 | 271,2 | 270,8 | 270,4 | 4 |
| 5 | 347,0 | 346,5 | 346,0 | 345,5 | 345,0 | 344,5 | 344,0 | 343,5 | 343,0 | 342,5 | 342,0 | 341,5 | 341,0 | 340,5 | 340,0 | 339,5 | 339,0 | 338,5 | 338,0 | 5 |
| 6 | 416,4 | 415,8 | 415,2 | 414,6 | 414,0 | 413,4 | 412,8 | 412,2 | 411,6 | 411,0 | 410,4 | 409,8 | 409,2 | 408,6 | 408,0 | 407,4 | 406,8 | 406,2 | 405,6 | 6 |
| 7 | 485,8 | 485,1 | 484,4 | 483,7 | 483,0 | 482,3 | 481,6 | 480,9 | 480,2 | 479,5 | 478,8 | 478,1 | 477,4 | 476,7 | 476,0 | 475,3 | 474,6 | 473,9 | 473,2 | 7 |
| 8 | 555,2 | 554,4 | 553,6 | 552,8 | 552,0 | 551,2 | 550,4 | 549,6 | 548,8 | 548,0 | 547,2 | 546,4 | 545,6 | 544,8 | 544,0 | 543,2 | 542,4 | 541,6 | 540,8 | 8 |
| 9 | 624,6 | 623,7 | 622,8 | 621,9 | 621,0 | 620,1 | 619,2 | 618,3 | 617,4 | 616,5 | 615,6 | 614,7 | 613,8 | 612,9 | 612,0 | 611,1 | 610,2 | 609,3 | 608,4 | 9 |

| $6^g$ | 676 | 683 | 683 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.00** | **9.00** | **0.99** | **9.99** | |
| **40 oo** | 15681 | 37664 | 62336 | 78017 | **60 oo** |
| 10 | 16357 | 38347 | 61653 | 78010 | 90 |
| 20 | 17033 | 39030 | 60970 | 78003 | 80 |
| 30 | 17709 | 39713 | 60287 | 77996 | 70 |
| 40 | 18385 | 40396 | 59604 | 77989 | 60 |
| 50 | 19061 | 41078 | 58922 | 77983 | 50 |
| 60 | 19737 | 41761 | 58239 | 77976 | 40 |
| 70 | 20412 | 42443 | 57557 | 77969 | 30 |
| 80 | 21088 | 43126 | 56874 | 77962 | 20 |
| 90 | 21763 | 43808 | 56192 | 77955 | 10 |
| **41 oo** | 22438 | 44490 | 55510 | 77948 | **59 oo** |
| 10 | 23114 | 45172 | 54828 | 77941 | 90 |
| 20 | 23789 | 45854 | 54146 | 77934 | 80 |
| 30 | 24464 | 46536 | 53464 | 77927 | 70 |
| 40 | 25138 | 47218 | 52782 | 77921 | 60 |
| 50 | 25813 | 47900 | 52100 | 77914 | 50 |
| 60 | 26488 | 48581 | 51419 | 77907 | 40 |
| 70 | 27162 | 49263 | 50737 | 77900 | 30 |
| 80 | 27837 | 49944 | 50056 | 77893 | 20 |
| 90 | 28511 | 50625 | 49375 | 77886 | 10 |
| **42 oo** | 29185 | 51306 | 48694 | 77879 | **58 oo** |
| 10 | 29860 | 51987 | 48013 | 77872 | 90 |
| 20 | 30534 | 52668 | 47332 | 77865 | 80 |
| 30 | 31208 | 53349 | 46651 | 77858 | 70 |
| 40 | 31881 | 54030 | 45970 | 77852 | 60 |
| 50 | 32555 | 54710 | 45290 | 77845 | 50 |
| 60 | 33229 | 55391 | 44609 | 77838 | 40 |
| 70 | 33902 | 56071 | 43929 | 77831 | 30 |
| 80 | 34575 | 56752 | 43248 | 77824 | 20 |
| 90 | 35249 | 57432 | 42568 | 77817 | 10 |
| **43 oo** | 35922 | 58112 | 41888 | 77810 | **57 oo** |
| 10 | 36595 | 58792 | 41208 | 77803 | 90 |
| 20 | 37268 | 59472 | 40528 | 77796 | 80 |
| 30 | 37941 | 60151 | 39849 | 77789 | 70 |
| 40 | 38614 | 60831 | 39169 | 77782 | 60 |
| 50 | 39286 | 61511 | 38489 | 77775 | 50 |
| 60 | 39959 | 62190 | 37810 | 77769 | 40 |
| 70 | 40631 | 62870 | 37130 | 77762 | 30 |
| 80 | 41304 | 63549 | 36451 | 77755 | 20 |
| 90 | 41976 | 64228 | 35772 | 77748 | 10 |
| **44 oo** | 42648 | 64907 | 35093 | 77741 | **56 oo** |
| 10 | 43320 | 65586 | 34414 | 77734 | 90 |
| 20 | 43992 | 66265 | 33735 | 77727 | 80 |
| 30 | 44664 | 66944 | 33056 | 77720 | 70 |
| 40 | 45335 | 67622 | 32378 | 77713 | 60 |
| 50 | 46007 | 68301 | 31699 | 77706 | 50 |
| 60 | 46678 | 68979 | 31021 | 77699 | 40 |
| 70 | 47350 | 69657 | 30343 | 77692 | 30 |
| 80 | 48021 | 70336 | 29664 | 77685 | 20 |
| 90 | 48692 | 71014 | 28986 | 77679 | 10 |
| **45 oo** | 49363 | 71692 | 28308 | 77672 | **55 oo** |
| | **9.00** | **9.00** | **0.99** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 671 | 678 | 678 | 7 | |

| $6^g$ | 671 | 678 | 678 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.00** | **9.00** | **0.99** | **9.99** | |
| **45 oo** | 49363 | 71692 | 28308 | 77672 | **55 oo** |
| 10 | 50034 | 72370 | 27630 | 77665 | 90 |
| 20 | 50705 | 73047 | 26953 | 77658 | 80 |
| 30 | 51376 | 73725 | 26275 | 77651 | 70 |
| 40 | 52047 | 74403 | 25597 | 77644 | 60 |
| 50 | 52717 | 75080 | 24920 | 77637 | 50 |
| 60 | 53388 | 75758 | 24242 | 77630 | 40 |
| 70 | 54058 | 76435 | 23565 | 77623 | 30 |
| 80 | 54728 | 77112 | 22888 | 77616 | 20 |
| 90 | 55398 | 77789 | 22211 | 77609 | 10 |
| **46 oo** | 56068 | 78466 | 21534 | 77602 | **54 oo** |
| 10 | 56738 | 79143 | 20857 | 77595 | 90 |
| 20 | 57408 | 79820 | 20180 | 77588 | 80 |
| 30 | 58078 | 80496 | 19504 | 77581 | 70 |
| 40 | 58747 | 81173 | 18827 | 77574 | 60 |
| 50 | 59417 | 81849 | 18151 | 77567 | 50 |
| 60 | 60086 | 82526 | 17474 | 77560 | 40 |
| 70 | 60756 | 83202 | 16798 | 77554 | 30 |
| 80 | 61425 | 83878 | 16122 | 77547 | 20 |
| 90 | 62094 | 84554 | 15446 | 77540 | 10 |
| **47 oo** | 62763 | 85230 | 14770 | 77533 | **53 oo** |
| 10 | 63432 | 85906 | 14094 | 77526 | 90 |
| 20 | 64100 | 86582 | 13418 | 77519 | 80 |
| 30 | 64769 | 87257 | 12743 | 77512 | 70 |
| 40 | 65438 | 87933 | 12067 | 77505 | 60 |
| 50 | 66106 | 88608 | 11392 | 77498 | 50 |
| 60 | 66775 | 89284 | 10716 | 77491 | 40 |
| 70 | 67443 | 89959 | 10041 | 77484 | 30 |
| 80 | 68111 | 90634 | 09366 | 77477 | 20 |
| 90 | 68779 | 91309 | 08691 | 77470 | 10 |
| **48 oo** | 69447 | 91984 | 08016 | 77463 | **52 oo** |
| 10 | 70115 | 92659 | 07341 | 77456 | 90 |
| 20 | 70782 | 93333 | 06667 | 77449 | 80 |
| 30 | 71450 | 94008 | 05992 | 77442 | 70 |
| 40 | 72118 | 94682 | 05318 | 77435 | 60 |
| 50 | 72785 | 95357 | 04643 | 77428 | 50 |
| 60 | 73452 | 96031 | 03969 | 77421 | 40 |
| 70 | 74120 | 96705 | 03295 | 77414 | 30 |
| 80 | 74787 | 97379 | 02621 | 77407 | 20 |
| 90 | 75454 | 98053 | 01947 | 77400 | 10 |
| **49 oo** | 76121 | 98727 | 01273 | 77393 | **51 oo** |
| 10 | 76787 | 99401 | 00599 | 77386 | 90 |
| 20 | 77454 | *00075 | *99925 | 77379 | 80 |
| 30 | 78121 | *00748 | *99252 | 77372 | 70 |
| 40 | 78787 | *01422 | *98578 | 77365 | 60 |
| 50 | 79454 | *02095 | *97905 | 77358 | 50 |
| 60 | 80120 | *02768 | *97232 | 77351 | 40 |
| 70 | 80786 | *03442 | *96558 | 77344 | 30 |
| 80 | 81452 | *04115 | *95885 | 77337 | 20 |
| 90 | 82118 | *04788 | *95212 | 77330 | 10 |
| **50 oo** | 82784 | *05461 | *94539 | 77323 | **50 oo** |
| | **9.00** | ***9.01** | ***0.98** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 666 | 673 | 673 | 7 | |

| | 683 | 682 | 681 | 680 | 679 | 678 | 677 | 676 | 675 | 674 | 673 | 672 | 671 | 670 | 669 | 668 | 667 | 666 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 68,3 | 68,2 | 68,1 | 68,0 | 67,9 | 67,8 | 67,7 | 67,6 | 67,5 | 67,4 | 67,3 | 67,2 | 67,1 | 67,0 | 66,9 | 66,8 | 66,7 | 66,6 | 1 |
| 2 | 136,6 | 136,4 | 136,2 | 136,0 | 135,8 | 135,6 | 135,4 | 135,2 | 135,0 | 134,8 | 134,6 | 134,4 | 134,2 | 134,0 | 133,8 | 133,6 | 133,4 | 133,2 | 2 |
| 3 | 204,9 | 204,6 | 204,3 | 204,0 | 203,7 | 203,4 | 203,1 | 202,8 | 202,5 | 202,2 | 201,9 | 201,6 | 201,3 | 201,0 | 200,7 | 200,4 | 200,1 | 199,8 | 3 |
| 4 | 273,2 | 272,8 | 272,4 | 272,0 | 271,6 | 271,2 | 270,8 | 270,4 | 270,0 | 269,6 | 269,2 | 268,8 | 268,4 | 268,0 | 267,6 | 267,2 | 266,8 | 266,4 | 4 |
| 5 | 341,5 | 341,0 | 340,5 | 340,0 | 339,5 | 339,0 | 338,5 | 338,0 | 337,5 | 337,0 | 336,5 | 336,0 | 335,5 | 335,0 | 334,5 | 334,0 | 333,5 | 333,0 | 5 |
| 6 | 409,8 | 409,2 | 408,6 | 408,0 | 407,4 | 406,8 | 406,2 | 405,6 | 405,0 | 404,4 | 403,8 | 403,2 | 402,6 | 402,0 | 401,4 | 400,8 | 400,2 | 399,6 | 6 |
| 7 | 478,1 | 477,4 | 476,7 | 476,0 | 475,3 | 474,6 | 473,9 | 473,2 | 472,5 | 471,8 | 471,1 | 470,4 | 469,7 | 469,0 | 468,3 | 467,6 | 466,9 | 466,2 | 7 |
| 8 | 546,4 | 545,6 | 544,8 | 544,0 | 543,2 | 542,4 | 541,6 | 540,8 | 540,0 | 539,2 | 538,4 | 537,6 | 536,8 | 536,0 | 535,2 | 534,4 | 533,6 | 532,8 | 8 |
| 9 | 614,7 | 613,8 | 612,9 | 612,0 | 611,1 | 610,2 | 609,3 | 608,4 | 607,5 | 606,6 | 605,7 | 604,8 | 603,9 | 603,0 | 602,1 | 601,2 | 600,3 | 599,4 | 9 |

| $6^g$ | 666 | 673 | 673 | 6 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.00** | **9.01** | **0.98** | **9.99** | |
| **50 oo** | 82784 | 05461 | 94539 | 77323 | **50 oo** |
| 10 | 83450 | 06133 | 93867 | 77316 | 90 |
| 20 | 84115 | 06806 | 93194 | 77309 | 80 |
| 30 | 84781 | 07479 | 92521 | 77302 | 70 |
| 40 | 85446 | 08151 | 91849 | 77295 | 60 |
| 50 | 86112 | 08823 | 91177 | 77288 | 50 |
| 60 | 86777 | 09496 | 90504 | 77282 | 40 |
| 70 | 87442 | 10168 | 89832 | 77275 | 30 |
| 80 | 88107 | 10840 | 89160 | 77268 | 20 |
| 90 | 88772 | 11512 | 88488 | 77261 | 10 |
| **51 oo** | 89437 | 12184 | 87816 | 77254 | **49 oo** |
| 10 | 90102 | 12855 | 87145 | 77247 | 90 |
| 20 | 90766 | 13527 | 86473 | 77240 | 80 |
| 30 | 91431 | 14198 | 85802 | 77233 | 70 |
| 40 | 92095 | 14870 | 85130 | 77225 | 60 |
| 50 | 92760 | 15541 | 84459 | 77218 | 50 |
| 60 | 93424 | 16212 | 83788 | 77211 | 40 |
| 70 | 94088 | 16884 | 83116 | 77204 | 30 |
| 80 | 94752 | 17555 | 82445 | 77197 | 20 |
| 90 | 95416 | 18226 | 81774 | 77190 | 10 |
| **52 oo** | 96080 | 18896 | 81104 | 77183 | **48 oo** |
| 10 | 96744 | 19567 | 80433 | 77176 | 90 |
| 20 | 97407 | 20238 | 79762 | 77169 | 80 |
| 30 | 98071 | 20908 | 79092 | 77162 | 70 |
| 40 | 98734 | 21579 | 78421 | 77155 | 60 |
| 50 | 99397 | 22249 | 77751 | 77148 | 50 |
| 60 | *00061 | 22919 | 77081 | 77141 | 40 |
| 70 | *00724 | 23589 | 76411 | 77134 | 30 |
| 80 | *01387 | 24259 | 75741 | 77127 | 20 |
| 90 | *02050 | 24929 | 75071 | 77120 | 10 |
| **53 oo** | *02712 | 25599 | 74401 | 77113 | **47 oo** |
| 10 | *03375 | 26269 | 73731 | 77106 | 90 |
| 20 | *04038 | 26938 | 73062 | 77099 | 80 |
| 30 | *04700 | 27608 | 72392 | 77092 | 70 |
| 40 | *05363 | 28277 | 71723 | 77085 | 60 |
| 50 | *06025 | 28947 | 71053 | 77078 | 50 |
| 60 | *06687 | 29616 | 70384 | 77071 | 40 |
| 70 | *07349 | 30285 | 69715 | 77064 | 30 |
| 80 | *08011 | 30954 | 69046 | 77057 | 20 |
| 90 | *08673 | 31623 | 68377 | 77050 | 10 |
| **54 oo** | *09335 | 32292 | 67708 | 77043 | **46 oo** |
| 10 | *09996 | 32960 | 67040 | 77036 | 90 |
| 20 | *10658 | 33629 | 66371 | 77029 | 80 |
| 30 | *11319 | 34298 | 65702 | 77022 | 70 |
| 40 | *11981 | 34966 | 65034 | 77015 | 60 |
| 50 | *12642 | 35634 | 64366 | 77008 | 50 |
| 60 | *13303 | 36302 | 63698 | 77001 | 40 |
| 70 | *13964 | 36971 | 63029 | 76994 | 30 |
| 80 | *14625 | 37639 | 62361 | 76987 | 20 |
| 90 | *15286 | 38306 | 61694 | 76980 | 10 |
| **55 oo** | *15947 | 38974 | 61026 | 76973 | **45 oo** |
| | ***9.01** | **9.01** | **0.98** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 661 | 667 | 667 | 8 | |

| $6^g$ | 661 | 668 | 668 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.01** | **9.01** | **0.98** | **9.99** | |
| **55 oo** | 15947 | 38974 | 61026 | 76973 | **45 oo** |
| 10 | 16607 | 39642 | 60358 | 76966 | 90 |
| 20 | 17268 | 40309 | 59691 | 76959 | 80 |
| 30 | 17928 | 40977 | 59023 | 76951 | 70 |
| 40 | 18589 | 41644 | 58356 | 76944 | 60 |
| 50 | 19249 | 42312 | 57688 | 76937 | 50 |
| 60 | 19909 | 42979 | 57021 | 76930 | 40 |
| 70 | 20569 | 43646 | 56354 | 76923 | 30 |
| 80 | 21229 | 44313 | 55687 | 76916 | 20 |
| 90 | 21889 | 44980 | 55020 | 76909 | 10 |
| **56 oo** | 22549 | 45647 | 54353 | 76902 | **44 oo** |
| 10 | 23208 | 46313 | 53687 | 76895 | 90 |
| 20 | 23868 | 46980 | 53020 | 76888 | 80 |
| 30 | 24527 | 47646 | 52354 | 76881 | 70 |
| 40 | 25187 | 48313 | 51687 | 76874 | 60 |
| 50 | 25846 | 48979 | 51021 | 76867 | 50 |
| 60 | 26505 | 49645 | 50355 | 76860 | 40 |
| 70 | 27164 | 50311 | 49689 | 76853 | 30 |
| 80 | 27823 | 50977 | 49023 | 76846 | 20 |
| 90 | 28482 | 51643 | 48357 | 76839 | 10 |
| **57 oo** | 29141 | 52309 | 47691 | 76832 | **43 oo** |
| 10 | 29799 | 52975 | 47025 | 76824 | 90 |
| 20 | 30458 | 53640 | 46360 | 76817 | 80 |
| 30 | 31116 | 54306 | 45694 | 76810 | 70 |
| 40 | 31775 | 54971 | 45029 | 76803 | 60 |
| 50 | 32433 | 55637 | 44363 | 76796 | 50 |
| 60 | 33091 | 56302 | 43698 | 76789 | 40 |
| 70 | 33749 | 56967 | 43033 | 76782 | 30 |
| 80 | 34407 | 57632 | 42368 | 76775 | 20 |
| 90 | 35065 | 58297 | 41703 | 76768 | 10 |
| **58 oo** | 35722 | 58962 | 41038 | 76761 | **42 oo** |
| 10 | 36380 | 59626 | 40374 | 76754 | 90 |
| 20 | 37038 | 60291 | 39709 | 76747 | 80 |
| 30 | 37695 | 60955 | 39045 | 76740 | 70 |
| 40 | 38352 | 61620 | 38380 | 76733 | 60 |
| 50 | 39009 | 62284 | 37716 | 76725 | 50 |
| 60 | 39667 | 62948 | 37052 | 76718 | 40 |
| 70 | 40324 | 63612 | 36388 | 76711 | 30 |
| 80 | 40981 | 64276 | 35724 | 76704 | 20 |
| 90 | 41637 | 64940 | 35060 | 76697 | 10 |
| **59 oo** | 42294 | 65604 | 34396 | 76690 | **41 oo** |
| 10 | 42951 | 66268 | 33732 | 76683 | 90 |
| 20 | 43607 | 66931 | 33069 | 76676 | 80 |
| 30 | 44264 | 67595 | 32405 | 76669 | 70 |
| 40 | 44920 | 68258 | 31742 | 76662 | 60 |
| 50 | 45576 | 68922 | 31078 | 76655 | 50 |
| 60 | 46232 | 69585 | 30415 | 76647 | 40 |
| 70 | 46888 | 70248 | 29752 | 76640 | 30 |
| 80 | 47544 | 70911 | 29089 | 76633 | 20 |
| 90 | 48200 | 71574 | 28426 | 76626 | 10 |
| **60 oo** | 48856 | 72237 | 27763 | 76619 | **40 oo** |
| | **9.01** | **9.01** | **0.98** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 656 | 663 | 663 | 8 | |

| | 673 | 672 | 671 | 670 | 669 | 668 | 667 | 666 | 665 | 664 | 663 | 662 | 661 | 660 | 659 | 658 | 657 | 656 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 67,3 | 67,2 | 67,1 | 67,0 | 66,9 | 66,8 | 66,7 | 66,6 | 66,5 | 66,4 | 66,3 | 66,2 | 66,1 | 66,0 | 65,9 | 65,8 | 65,7 | 65,6 | 1 |
| 2 | 134,6 | 134,4 | 134,2 | 134,0 | 133,8 | 133,6 | 133,4 | 133,2 | 133,0 | 132,8 | 132,6 | 132,4 | 132,2 | 132,0 | 131,8 | 131,6 | 131,4 | 131,2 | 2 |
| 3 | 201,9 | 201,6 | 201,3 | 201,0 | 200,7 | 200,4 | 200,1 | 199,8 | 199,5 | 199,2 | 198,9 | 198,6 | 198,3 | 198,0 | 197,7 | 197,4 | 197,1 | 196,8 | 3 |
| 4 | 269,2 | 268,8 | 268,4 | 268,0 | 267,6 | 267,2 | 266,8 | 266,4 | 266,0 | 265,6 | 265,2 | 264,8 | 264,4 | 264,0 | 263,6 | 263,2 | 262,8 | 262,4 | 4 |
| 5 | 336,5 | 336,0 | 335,5 | 335,0 | 334,5 | 334,0 | 333,5 | 333,0 | 332,5 | 332,0 | 331,5 | 331,0 | 330,5 | 330,0 | 329,5 | 329,0 | 328,5 | 328,0 | 5 |
| 6 | 403,8 | 403,2 | 402,6 | 402,0 | 401,4 | 400,8 | 400,2 | 399,6 | 399,0 | 398,4 | 397,8 | 397,2 | 396,6 | 396,0 | 395,4 | 394,8 | 394,2 | 393,6 | 6 |
| 7 | 471,1 | 470,4 | 469,7 | 469,0 | 468,3 | 467,6 | 466,9 | 466,2 | 465,5 | 464,8 | 464,1 | 463,4 | 462,7 | 462,0 | 461,3 | 460,6 | 459,9 | 459,2 | 7 |
| 8 | 538,4 | 537,6 | 536,8 | 536,0 | 535,2 | 534,4 | 533,6 | 532,8 | 532,0 | 531,2 | 530,4 | 529,6 | 528,8 | 528,0 | 527,2 | 526,4 | 525,6 | 524,8 | 8 |
| 9 | 605,7 | 604,8 | 603,9 | 603,0 | 602,1 | 601,2 | 600,3 | 599,4 | 598,5 | 597,6 | 596,7 | 595,8 | 594,9 | 594,0 | 593,1 | 592,2 | 591,3 | 590,4 | 9 |

| $6^g$ | 656 | 663 | 663 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.01** | **9.01** | **0.98** | **9.99** | |
| **60 oo** | 48856 | 72237 | 27763 | 76619 | **40 oo** |
| 10 | 49511 | 72899 | 27101 | 76612 | 90 |
| 20 | 50167 | 73562 | 26438 | 76605 | 80 |
| 30 | 50822 | 74224 | 25776 | 76598 | 70 |
| 40 | 51478 | 74887 | 25113 | 76591 | 60 |
| 50 | 52133 | 75549 | 24451 | 76584 | 50 |
| 60 | 52788 | 76211 | 23789 | 76576 | 40 |
| 70 | 53443 | 76873 | 23127 | 76569 | 30 |
| 80 | 54098 | 77536 | 22464 | 76562 | 20 |
| 90 | 54753 | 78197 | 21803 | 76555 | 10 |
| **61 oo** | 55407 | 78859 | 21141 | 76548 | **39 oo** |
| 10 | 56062 | 79521 | 20479 | 76541 | 90 |
| 20 | 56716 | 80183 | 19817 | 76534 | 80 |
| 30 | 57371 | 80844 | 19156 | 76527 | 70 |
| 40 | 58025 | 81506 | 18494 | 76520 | 60 |
| 50 | 58679 | 82167 | 17833 | 76512 | 50 |
| 60 | 59333 | 82828 | 17172 | 76505 | 40 |
| 70 | 59988 | 83489 | 16511 | 76498 | 30 |
| 80 | 60641 | 84150 | 15850 | 76491 | 20 |
| 90 | 61295 | 84811 | 15189 | 76484 | 10 |
| **62 oo** | 61949 | 85472 | 14528 | 76477 | **38 oo** |
| 10 | 62603 | 86133 | 13867 | 76470 | 90 |
| 20 | 63256 | 86793 | 13207 | 76463 | 80 |
| 30 | 63910 | 87454 | 12546 | 76456 | 70 |
| 40 | 64563 | 88114 | 11886 | 76448 | 60 |
| 50 | 65216 | 88775 | 11225 | 76441 | 50 |
| 60 | 65869 | 89435 | 10565 | 76434 | 40 |
| 70 | 66522 | 90095 | 09905 | 76427 | 30 |
| 80 | 67175 | 90755 | 09245 | 76420 | 20 |
| 90 | 67828 | 91415 | 08585 | 76413 | 10 |
| **63 oo** | 68481 | 92075 | 07925 | 76406 | **37 oo** |
| 10 | 69133 | 92735 | 07265 | 76399 | 90 |
| 20 | 69786 | 93394 | 06606 | 76391 | 80 |
| 30 | 70438 | 94054 | 05946 | 76384 | 70 |
| 40 | 71091 | 94713 | 05287 | 76377 | 60 |
| 50 | 71743 | 95373 | 04627 | 76370 | 50 |
| 60 | 72395 | 96032 | 03968 | 76363 | 40 |
| 70 | 73047 | 96691 | 03309 | 76356 | 30 |
| 80 | 73699 | 97350 | 02650 | 76349 | 20 |
| 90 | 74351 | 98009 | 01991 | 76341 | 10 |
| **64 oo** | 75002 | 98668 | 01332 | 76334 | **36 oo** |
| 10 | 75654 | 99327 | 00673 | 76327 | 90 |
| 20 | 76306 | 99986 | 00014 | 76320 | 80 |
| 30 | 76957 | ∗00644 | ∗99356 | 76313 | 70 |
| 40 | 77608 | ∗01303 | ∗98697 | 76306 | 60 |
| 50 | 78260 | ∗01961 | ∗98039 | 76299 | 50 |
| 60 | 78911 | ∗02619 | ∗97381 | 76291 | 40 |
| 70 | 79562 | ∗03278 | ∗96722 | 76284 | 30 |
| 80 | 80213 | ∗03936 | ∗96064 | 76277 | 20 |
| 90 | 80864 | ∗04594 | ∗95406 | 76270 | 10 |
| **65 oo** | 81514 | ∗05252 | ∗94748 | 76263 | **35 oo** |
| | **9.01** | **∗9.02** | **∗0.97** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 650 | 658 | 658 | 8 | |

| $6^g$ | 651 | 658 | 658 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.01** | **9.02** | **0.97** | **9.99** | |
| **65 oo** | 81514 | 05252 | 94748 | 76263 | **35 oo** |
| 10 | 82165 | 05909 | 94091 | 76256 | 90 |
| 20 | 82816 | 06567 | 93433 | 76249 | 80 |
| 30 | 83466 | 07225 | 92775 | 76241 | 70 |
| 40 | 84116 | 07882 | 92118 | 76234 | 60 |
| 50 | 84767 | 08540 | 91460 | 76227 | 50 |
| 60 | 85417 | 09197 | 90803 | 76220 | 40 |
| 70 | 86067 | 09854 | 90146 | 76213 | 30 |
| 80 | 86717 | 10511 | 89489 | 76206 | 20 |
| 90 | 87367 | 11168 | 88832 | 76198 | 10 |
| **66 oo** | 88016 | 11825 | 88175 | 76191 | **34 oo** |
| 10 | 88666 | 12482 | 87518 | 76184 | 90 |
| 20 | 89316 | 13139 | 86861 | 76177 | 80 |
| 30 | 89965 | 13795 | 86205 | 76170 | 70 |
| 40 | 90614 | 14452 | 85548 | 76163 | 60 |
| 50 | 91264 | 15108 | 84892 | 76155 | 50 |
| 60 | 91913 | 15765 | 84235 | 76148 | 40 |
| 70 | 92562 | 16421 | 83579 | 76141 | 30 |
| 80 | 93211 | 17077 | 82923 | 76134 | 20 |
| 90 | 93860 | 17733 | 82267 | 76127 | 10 |
| **67 oo** | 94509 | 18389 | 81611 | 76120 | **33 oo** |
| 10 | 95157 | 19045 | 80955 | 76112 | 90 |
| 20 | 95806 | 19701 | 80299 | 76105 | 80 |
| 30 | 96454 | 20356 | 79644 | 76098 | 70 |
| 40 | 97103 | 21012 | 78988 | 76091 | 60 |
| 50 | 97751 | 21667 | 78333 | 76084 | 50 |
| 60 | 98399 | 22323 | 77677 | 76077 | 40 |
| 70 | 99047 | 22978 | 77022 | 76069 | 30 |
| 80 | 99695 | 23633 | 76367 | 76062 | 20 |
| 90 | ∗00343 | 24288 | 75712 | 76055 | 10 |
| **68 oo** | ∗00991 | 24943 | 75057 | 76048 | **32 oo** |
| 10 | ∗01639 | 25598 | 74402 | 76041 | 90 |
| 20 | ∗02286 | 26253 | 73747 | 76033 | 80 |
| 30 | ∗02934 | 26908 | 73092 | 76026 | 70 |
| 40 | ∗03581 | 27562 | 72438 | 76019 | 60 |
| 50 | ∗04229 | 28217 | 71783 | 76012 | 50 |
| 60 | ∗04876 | 28871 | 71129 | 76005 | 40 |
| 70 | ∗05523 | 29525 | 70475 | 75997 | 30 |
| 80 | ∗06170 | 30180 | 69820 | 75990 | 20 |
| 90 | ∗06817 | 30834 | 69166 | 75983 | 10 |
| **69 oo** | ∗07464 | 31488 | 68512 | 75976 | **31 oo** |
| 10 | ∗08110 | 32142 | 67858 | 75969 | 90 |
| 20 | ∗08757 | 32796 | 67204 | 75961 | 80 |
| 30 | ∗09404 | 33449 | 66551 | 75954 | 70 |
| 40 | ∗10050 | 34103 | 65897 | 75947 | 60 |
| 50 | ∗10696 | 34756 | 65244 | 75940 | 50 |
| 60 | ∗11343 | 35410 | 64590 | 75933 | 40 |
| 70 | ∗11989 | 36063 | 63937 | 75925 | 30 |
| 80 | ∗12635 | 36717 | 63283 | 75918 | 20 |
| 90 | ∗13281 | 37370 | 62630 | 75911 | 10 |
| **70 oo** | ∗13927 | 38023 | 61977 | 75904 | **30 oo** |
| | **∗9.02** | **9.02** | **0.97** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 646 | 653 | 653 | 8 | |

| | 663 | 662 | 661 | 660 | 659 | 658 | 657 | 656 | 655 | 654 | 653 | 652 | 651 | 650 | 649 | 648 | 647 | 646 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 66,3 | 66,2 | 66,1 | 66,0 | 65,9 | 65,8 | 65,7 | 65,6 | 65,5 | 65,4 | 65,3 | 65,2 | 65,1 | 65,0 | 64,9 | 64,8 | 64,7 | 64,6 | 1 |
| 2 | 132,6 | 132,4 | 132,2 | 132,0 | 131,8 | 131,6 | 131,4 | 131,2 | 131,0 | 130,8 | 130,6 | 130,4 | 130,2 | 130,0 | 129,8 | 129,6 | 129,4 | 129,2 | 2 |
| 3 | 198,9 | 198,6 | 198,3 | 198,0 | 197,7 | 197,4 | 197,1 | 196,8 | 196,5 | 196,2 | 195,9 | 195,6 | 195,3 | 195,0 | 194,7 | 194,4 | 194,1 | 193,8 | 3 |
| 4 | 265,2 | 264,8 | 264,4 | 264,0 | 263,6 | 263,2 | 262,8 | 262,4 | 262,0 | 261,6 | 261,2 | 260,8 | 260,4 | 260,0 | 259,6 | 259,2 | 258,8 | 258,4 | 4 |
| 5 | 331,5 | 331,0 | 330,5 | 330,0 | 329,5 | 329,0 | 328,5 | 328,0 | 327,5 | 327,0 | 326,5 | 326,0 | 325,5 | 325,0 | 324,5 | 324,0 | 323,5 | 323,0 | 5 |
| 6 | 397,8 | 397,2 | 396,6 | 396,0 | 395,4 | 394,8 | 394,2 | 393,6 | 393,0 | 392,4 | 391,8 | 391,2 | 390,6 | 390,0 | 389,4 | 388,8 | 388,2 | 387,6 | 6 |
| 7 | 464,1 | 463,4 | 462,7 | 462,0 | 461,3 | 460,6 | 459,9 | 459,2 | 458,5 | 457,8 | 457,1 | 456,4 | 455,7 | 455,0 | 454,3 | 453,6 | 452,9 | 452,2 | 7 |
| 8 | 530,4 | 529,6 | 528,8 | 528,0 | 527,2 | 526,4 | 525,6 | 524,8 | 524,0 | 523,2 | 522,4 | 521,6 | 520,8 | 520,0 | 519,2 | 518,4 | 517,6 | 516,8 | 8 |
| 9 | 596,7 | 595,8 | 594,9 | 594,0 | 593,1 | 592,2 | 591,3 | 590,4 | 589,5 | 588,6 | 587,7 | 586,8 | 585,9 | 585,0 | 584,1 | 583,2 | 582,3 | 581,4 | 9 |

| $6^g$ | 646 | 653 | 653 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.02** | **9.02** | **0.97** | **9.99** | |
| **70 oo** | 13927 | 38023 | 61977 | 75904 | **30 oo** |
| 10 | 14572 | 38676 | 61324 | 75897 | 90 |
| 20 | 15218 | 39329 | 60671 | 75889 | 80 |
| 30 | 15864 | 39981 | 60019 | 75882 | 70 |
| 40 | 16509 | 40634 | 59366 | 75875 | 60 |
| 50 | 17154 | 41287 | 58713 | 75868 | 50 |
| 60 | 17800 | 41939 | 58061 | 75861 | 40 |
| 70 | 18445 | 42591 | 57409 | 75853 | 30 |
| 80 | 19090 | 43244 | 56756 | 75846 | 20 |
| 90 | 19735 | 43896 | 56104 | 75839 | 10 |
| **71 oo** | 20380 | 44548 | 55452 | 75832 | **29 oo** |
| 10 | 21025 | 45200 | 54800 | 75825 | 90 |
| 20 | 21669 | 45852 | 54148 | 75817 | 80 |
| 30 | 22314 | 46504 | 53496 | 75810 | 70 |
| 40 | 22958 | 47156 | 52844 | 75803 | 60 |
| 50 | 23603 | 47807 | 52193 | 75796 | 50 |
| 60 | 24247 | 48459 | 51541 | 75788 | 40 |
| 70 | 24891 | 49110 | 50890 | 75781 | 30 |
| 80 | 25535 | 49761 | 50239 | 75774 | 20 |
| 90 | 26179 | 50413 | 49587 | 75767 | 10 |
| **72 oo** | 26823 | 51064 | 48936 | 75760 | **28 oo** |
| 10 | 27467 | 51715 | 48285 | 75752 | 90 |
| 20 | 28111 | 52366 | 47634 | 75745 | 80 |
| 30 | 28755 | 53017 | 46983 | 75738 | 70 |
| 40 | 29398 | 53667 | 46333 | 75731 | 60 |
| 50 | 30042 | 54318 | 45682 | 75723 | 50 |
| 60 | 30685 | 54969 | 45031 | 75716 | 40 |
| 70 | 31328 | 55619 | 44381 | 75709 | 30 |
| 80 | 31971 | 56270 | 43730 | 75702 | 20 |
| 90 | 32614 | 56920 | 43080 | 75694 | 10 |
| **73 oo** | 33257 | 57570 | 42430 | 75687 | **27 oo** |
| 10 | 33900 | 58220 | 41780 | 75680 | 90 |
| 20 | 34543 | 58870 | 41130 | 75673 | 80 |
| 30 | 35186 | 59520 | 40480 | 75665 | 70 |
| 40 | 35828 | 60170 | 39830 | 75658 | 60 |
| 50 | 36471 | 60820 | 39180 | 75651 | 50 |
| 60 | 37113 | 61469 | 38531 | 75644 | 40 |
| 70 | 37755 | 62119 | 37881 | 75637 | 30 |
| 80 | 38397 | 62768 | 37232 | 75629 | 20 |
| 90 | 39040 | 63417 | 36583 | 75622 | 10 |
| **74 oo** | 39681 | 64067 | 35933 | 75615 | **26 oo** |
| 10 | 40323 | 64716 | 35284 | 75608 | 90 |
| 20 | 40965 | 65365 | 34635 | 75600 | 80 |
| 30 | 41607 | 66014 | 33986 | 75593 | 70 |
| 40 | 42249 | 66663 | 33337 | 75586 | 60 |
| 50 | 42890 | 67312 | 32688 | 75579 | 50 |
| 60 | 43531 | 67960 | 32040 | 75571 | 40 |
| 70 | 44173 | 68609 | 31391 | 75564 | 30 |
| 80 | 44814 | 69257 | 30743 | 75557 | 20 |
| 90 | 45455 | 69906 | 30094 | 75549 | 10 |
| **75 oo** | 46096 | 70554 | 29446 | 75542 | **25 oo** |
| | **9.02** | **9.02** | **0.97** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 641 | 648 | 648 | 8 | |

| $6^g$ | 641 | 648 | 648 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.02** | **9.02** | **0.97** | **9.99** | |
| **75 oo** | 46096 | 70554 | 29446 | 75542 | **25 oo** |
| 10 | 46737 | 71202 | 28798 | 75535 | 90 |
| 20 | 47378 | 71850 | 28150 | 75528 | 80 |
| 30 | 48019 | 72498 | 27502 | 75520 | 70 |
| 40 | 48659 | 73146 | 26854 | 75513 | 60 |
| 50 | 49300 | 73794 | 26206 | 75506 | 50 |
| 60 | 49940 | 74442 | 25558 | 75499 | 40 |
| 70 | 50581 | 75089 | 24911 | 75491 | 30 |
| 80 | 51221 | 75737 | 24263 | 75484 | 20 |
| 90 | 51861 | 76384 | 23616 | 75477 | 10 |
| **76 oo** | 52501 | 77032 | 22968 | 75470 | **24 oo** |
| 10 | 53141 | 77679 | 22321 | 75462 | 90 |
| 20 | 53781 | 78326 | 21674 | 75455 | 80 |
| 30 | 54421 | 78973 | 21027 | 75448 | 70 |
| 40 | 55061 | 79620 | 20380 | 75440 | 60 |
| 50 | 55700 | 80267 | 19733 | 75433 | 50 |
| 60 | 56340 | 80914 | 19086 | 75426 | 40 |
| 70 | 56979 | 81560 | 18440 | 75419 | 30 |
| 80 | 57618 | 82207 | 17793 | 75411 | 20 |
| 90 | 58258 | 82854 | 17146 | 75404 | 10 |
| **77 oo** | 58897 | 83500 | 16500 | 75397 | **23 oo** |
| 10 | 59536 | 84146 | 15854 | 75390 | 90 |
| 20 | 60175 | 84793 | 15207 | 75382 | 80 |
| 30 | 60814 | 85439 | 14561 | 75375 | 70 |
| 40 | 61452 | 86085 | 13915 | 75368 | 60 |
| 50 | 62091 | 86731 | 13269 | 75360 | 50 |
| 60 | 62730 | 87376 | 12624 | 75353 | 40 |
| 70 | 63368 | 88022 | 11978 | 75346 | 30 |
| 80 | 64006 | 88668 | 11332 | 75339 | 20 |
| 90 | 64645 | 89313 | 10687 | 75331 | 10 |
| **78 oo** | 65283 | 89959 | 10041 | 75324 | **22 oo** |
| 10 | 65921 | 90604 | 09396 | 75317 | 90 |
| 20 | 66559 | 91250 | 08750 | 75309 | 80 |
| 30 | 67197 | 91895 | 08105 | 75302 | 70 |
| 40 | 67835 | 92540 | 07460 | 75295 | 60 |
| 50 | 68472 | 93185 | 06815 | 75287 | 50 |
| 60 | 69110 | 93830 | 06170 | 75280 | 40 |
| 70 | 69747 | 94475 | 05525 | 75273 | 30 |
| 80 | 70385 | 95119 | 04881 | 75266 | 20 |
| 90 | 71022 | 95764 | 04236 | 75258 | 10 |
| **79 oo** | 71659 | 96408 | 03592 | 75251 | **21 oo** |
| 10 | 72296 | 97053 | 02947 | 75244 | 90 |
| 20 | 72934 | 97697 | 02303 | 75236 | 80 |
| 30 | 73570 | 98341 | 01659 | 75229 | 70 |
| 40 | 74207 | 98986 | 01014 | 75222 | 60 |
| 50 | 74844 | 99630 | 00370 | 75214 | 50 |
| 60 | 75481 | *00274 | *99726 | 75207 | 40 |
| 70 | 76117 | *00918 | *99082 | 75200 | 30 |
| 80 | 76754 | *01561 | *98439 | 75192 | 20 |
| 90 | 77390 | *02205 | *97795 | 75185 | 10 |
| **80 oo** | 78026 | *02849 | *97151 | 75178 | **20 oo** |
| | **9.02** | ***9.03** | ***0.96** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 636 | 643 | 643 | 8 | |

| | 653 | 652 | 651 | 650 | 649 | 648 | 647 | 646 | 645 | 644 | 643 | 642 | 641 | 640 | 639 | 638 | 637 | 636 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 65,3 | 65,2 | 65,1 | 65,0 | 64,9 | 64,8 | 64,7 | 64,6 | 64,5 | 64,4 | 64,3 | 64,2 | 64,1 | 64,0 | 63,9 | 63,8 | 63,7 | 63,6 | 1 |
| 2 | 130,6 | 130,4 | 130,2 | 130,0 | 129,8 | 129,6 | 129,4 | 129,2 | 129,0 | 128,8 | 128,6 | 128,4 | 128,2 | 128,0 | 127,8 | 127,6 | 127,4 | 127,2 | 2 |
| 3 | 195,9 | 195,6 | 195,3 | 195,0 | 194,7 | 194,4 | 194,1 | 193,8 | 193,5 | 193,2 | 192,9 | 192,6 | 192,3 | 192,0 | 191,7 | 191,4 | 191,1 | 190,8 | 3 |
| 4 | 261,2 | 260,8 | 260,4 | 260,0 | 259,6 | 259,2 | 258,8 | 258,4 | 258,0 | 257,6 | 257,2 | 256,8 | 256,4 | 256,0 | 255,6 | 255,2 | 254,8 | 254,4 | 4 |
| 5 | 326,5 | 326,0 | 325,5 | 325,0 | 324,5 | 324,0 | 323,5 | 323,0 | 322,5 | 322,0 | 321,5 | 321,0 | 320,5 | 320,0 | 319,5 | 319,0 | 318,5 | 318,0 | 5 |
| 6 | 391,8 | 391,2 | 390,6 | 390,0 | 389,4 | 388,8 | 388,2 | 387,6 | 387,0 | 386,4 | 385,8 | 385,2 | 384,6 | 384,0 | 383,4 | 382,8 | 382,2 | 381,6 | 6 |
| 7 | 457,1 | 456,4 | 455,7 | 455,0 | 454,3 | 453,6 | 452,9 | 452,2 | 451,5 | 450,8 | 450,1 | 449,4 | 448,7 | 448,0 | 447,3 | 446,6 | 445,9 | 445,2 | 7 |
| 8 | 522,4 | 521,6 | 520,8 | 520,0 | 519,2 | 518,4 | 517,6 | 516,8 | 516,0 | 515,2 | 514,4 | 513,6 | 512,8 | 512,0 | 511,2 | 510,4 | 509,6 | 508,8 | 8 |
| 9 | 587,7 | 586,8 | 585,9 | 585,0 | 584,1 | 583,2 | 582,3 | 581,4 | 580,5 | 579,6 | 578,7 | 577,8 | 576,9 | 576,0 | 575,1 | 574,2 | 573,3 | 572,4 | 9 |

| 6g | 637 | 644 | 644 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.02** | **9.03** | **0.96** | **9.99** | |
| **80 oo** | 78026 | 02849 | 97151 | 75178 | **20 oo** |
| 10 | 78663 | 03492 | 96508 | 75171 | 90 |
| 20 | 79299 | 04136 | 95864 | 75163 | 80 |
| 30 | 79935 | 04779 | 95221 | 75156 | 70 |
| 40 | 80571 | 05422 | 94578 | 75149 | 60 |
| 50 | 81206 | 06065 | 93935 | 75141 | 50 |
| 60 | 81842 | 06708 | 93292 | 75134 | 40 |
| 70 | 82478 | 07351 | 92649 | 75127 | 30 |
| 80 | 83113 | 07994 | 92006 | 75119 | 20 |
| 90 | 83749 | 08637 | 91363 | 75112 | 10 |
| **81 oo** | 84384 | 09279 | 90721 | 75105 | **19 oo** |
| 10 | 85019 | 09922 | 90078 | 75097 | 90 |
| 20 | 85655 | 10565 | 89435 | 75090 | 80 |
| 30 | 86290 | 11207 | 88793 | 75083 | 70 |
| 40 | 86925 | 11849 | 88151 | 75075 | 60 |
| 50 | 87559 | 12491 | 87509 | 75068 | 50 |
| 60 | 88194 | 13134 | 86866 | 75061 | 40 |
| 70 | 88829 | 13776 | 86224 | 75053 | 30 |
| 80 | 89463 | 14417 | 85583 | 75046 | 20 |
| 90 | 90098 | 15059 | 84941 | 75039 | 10 |
| **82 oo** | 90732 | 15701 | 84299 | 75031 | **18 oo** |
| 10 | 91367 | 16343 | 83657 | 75024 | 90 |
| 20 | 92001 | 16984 | 83016 | 75017 | 80 |
| 30 | 92635 | 17626 | 82374 | 75009 | 70 |
| 40 | 93269 | 18267 | 81733 | 75002 | 60 |
| 50 | 93903 | 18908 | 81092 | 74995 | 50 |
| 60 | 94537 | 19550 | 80450 | 74987 | 40 |
| 70 | 95171 | 20191 | 79809 | 74980 | 30 |
| 80 | 95804 | 20832 | 79168 | 74973 | 20 |
| 90 | 96438 | 21473 | 78527 | 74965 | 10 |
| **83 oo** | 97071 | 22113 | 77887 | 74958 | **17 oo** |
| 10 | 97705 | 22754 | 77246 | 74951 | 90 |
| 20 | 98338 | 23395 | 76605 | 74943 | 80 |
| 30 | 98971 | 24035 | 75965 | 74936 | 70 |
| 40 | 99604 | 24676 | 75324 | 74929 | 60 |
| 50 | *00237 | 25316 | 74684 | 74921 | 50 |
| 60 | *00870 | 25956 | 74044 | 74914 | 40 |
| 70 | *01503 | 26596 | 73404 | 74906 | 30 |
| 80 | *02136 | 27237 | 72763 | 74899 | 20 |
| 90 | *02768 | 27877 | 72123 | 74892 | 10 |
| **84 oo** | *03401 | 28516 | 71484 | 74884 | **16 oo** |
| 10 | *04033 | 29156 | 70844 | 74877 | 90 |
| 20 | *04666 | 29796 | 70204 | 74870 | 80 |
| 30 | *05298 | 30436 | 69564 | 74862 | 70 |
| 40 | *05930 | 31075 | 68925 | 74855 | 60 |
| 50 | *06562 | 31715 | 68285 | 74848 | 50 |
| 60 | *07194 | 32354 | 67646 | 74840 | 40 |
| 70 | *07826 | 32993 | 67007 | 74833 | 30 |
| 80 | *08458 | 33632 | 66368 | 74825 | 20 |
| 90 | *09089 | 34271 | 65729 | 74818 | 10 |
| **85 oo** | *09721 | 34910 | 65090 | 74811 | **15 oo** |
| | ***9.03** | **9.03** | **0.96** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **93g** |
| | 631 | 639 | 639 | 8 | |

| 6g | 632 | 639 | 639 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.03** | **9.03** | **0.96** | **9.99** | |
| **85 oo** | 09721 | 34910 | 65090 | 74811 | **15 oo** |
| 10 | 10353 | 35549 | 64451 | 74803 | 90 |
| 20 | 10984 | 36188 | 63812 | 74796 | 80 |
| 30 | 11615 | 36827 | 63173 | 74789 | 70 |
| 40 | 12247 | 37465 | 62535 | 74781 | 60 |
| 50 | 12878 | 38104 | 61896 | 74774 | 50 |
| 60 | 13509 | 38742 | 61258 | 74767 | 40 |
| 70 | 14140 | 39381 | 60619 | 74759 | 30 |
| 80 | 14771 | 40019 | 59981 | 74752 | 20 |
| 90 | 15401 | 40657 | 59343 | 74744 | 10 |
| **86 oo** | 16032 | 41295 | 58705 | 74737 | **14 oo** |
| 10 | 16663 | 41933 | 58067 | 74730 | 90 |
| 20 | 17293 | 42571 | 57429 | 74722 | 80 |
| 30 | 17923 | 43209 | 56791 | 74715 | 70 |
| 40 | 18554 | 43846 | 56154 | 74707 | 60 |
| 50 | 19184 | 44484 | 55516 | 74700 | 50 |
| 60 | 19814 | 45121 | 54879 | 74693 | 40 |
| 70 | 20444 | 45759 | 54241 | 74685 | 30 |
| 80 | 21074 | 46396 | 53604 | 74678 | 20 |
| 90 | 21704 | 47033 | 52967 | 74671 | 10 |
| **87 oo** | 22334 | 47670 | 52330 | 74663 | **13 oo** |
| 10 | 22963 | 48308 | 51692 | 74656 | 90 |
| 20 | 23593 | 48945 | 51055 | 74648 | 80 |
| 30 | 24222 | 49581 | 50419 | 74641 | 70 |
| 40 | 24852 | 50218 | 49782 | 74634 | 60 |
| 50 | 25481 | 50855 | 49145 | 74626 | 50 |
| 60 | 26110 | 51491 | 48509 | 74619 | 40 |
| 70 | 26739 | 52128 | 47872 | 74611 | 30 |
| 80 | 27368 | 52764 | 47236 | 74604 | 20 |
| 90 | 27997 | 53401 | 46599 | 74597 | 10 |
| **88 oo** | 28626 | 54037 | 45963 | 74589 | **12 oo** |
| 10 | 29255 | 54673 | 45327 | 74582 | 90 |
| 20 | 29883 | 55309 | 44691 | 74574 | 80 |
| 30 | 30512 | 55945 | 44055 | 74567 | 70 |
| 40 | 31140 | 56581 | 43419 | 74560 | 60 |
| 50 | 31769 | 57217 | 42783 | 74552 | 50 |
| 60 | 32397 | 57852 | 42148 | 74545 | 40 |
| 70 | 33025 | 58488 | 41512 | 74537 | 30 |
| 80 | 33653 | 59123 | 40877 | 74530 | 20 |
| 90 | 34281 | 59759 | 40241 | 74523 | 10 |
| **89 oo** | 34909 | 60394 | 39606 | 74515 | **11 oo** |
| 10 | 35537 | 61029 | 38971 | 74508 | 90 |
| 20 | 36165 | 61665 | 38335 | 74500 | 80 |
| 30 | 36793 | 62300 | 37700 | 74493 | 70 |
| 40 | 37420 | 62935 | 37065 | 74485 | 60 |
| 50 | 38047 | 63569 | 36431 | 74478 | 50 |
| 60 | 38675 | 64204 | 35796 | 74471 | 40 |
| 70 | 39302 | 64839 | 35161 | 74463 | 30 |
| 80 | 39929 | 65473 | 34527 | 74456 | 20 |
| 90 | 40556 | 66108 | 33892 | 74448 | 10 |
| **90 oo** | 41183 | 66742 | 33258 | 74441 | **10 oo** |
| | **9.03** | **9.03** | **0.96** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **93g** |
| | 627 | 634 | 634 | 8 | |

| | 644 | 643 | 642 | 641 | 640 | 639 | 638 | 637 | 636 | 635 | 634 | 633 | 632 | 631 | 630 | 629 | 628 | 627 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 64,4 | 64,3 | 64,2 | 64,1 | 64,0 | 63,9 | 63,8 | 63,7 | 63,6 | 63,5 | 63,4 | 63,3 | 63,2 | 63,1 | 63,0 | 62,9 | 62,8 | 62,7 | 1 |
| 2 | 128,8 | 128,6 | 128,4 | 128,2 | 128,0 | 127,8 | 127,6 | 127,4 | 127,2 | 127,0 | 126,8 | 126,6 | 126,4 | 126,2 | 126,0 | 125,8 | 125,6 | 125,4 | 2 |
| 3 | 193,2 | 192,9 | 192,6 | 192,3 | 192,0 | 191,7 | 191,4 | 191,1 | 190,8 | 190,5 | 190,2 | 189,9 | 189,6 | 189,3 | 189,0 | 188,7 | 188,4 | 188,1 | 3 |
| 4 | 257,6 | 257,2 | 256,8 | 256,4 | 256,0 | 255,6 | 255,2 | 254,8 | 254,4 | 254,0 | 253,6 | 253,2 | 252,8 | 252,4 | 252,0 | 251,6 | 251,2 | 250,8 | 4 |
| 5 | 322,0 | 321,5 | 321,0 | 320,5 | 320,0 | 319,5 | 319,0 | 318,5 | 318,0 | 317,5 | 317,0 | 316,5 | 316,0 | 315,5 | 315,0 | 314,5 | 314,0 | 313,5 | 5 |
| 6 | 386,4 | 385,8 | 385,2 | 384,6 | 384,0 | 383,4 | 382,8 | 382,2 | 381,6 | 381,0 | 380,4 | 379,8 | 379,2 | 378,6 | 378,0 | 377,4 | 376,8 | 376,2 | 6 |
| 7 | 450,8 | 450,1 | 449,4 | 448,7 | 448,0 | 447,3 | 446,6 | 445,9 | 445,2 | 444,5 | 443,8 | 443,1 | 442,4 | 441,7 | 441,0 | 440,3 | 439,6 | 438,9 | 7 |
| 8 | 515,2 | 514,4 | 513,6 | 512,8 | 512,0 | 511,2 | 510,4 | 509,6 | 508,8 | 508,0 | 507,2 | 506,4 | 505,6 | 504,8 | 504,0 | 503,2 | 502,4 | 501,6 | 8 |
| 9 | 579,6 | 578,7 | 577,8 | 576,9 | 576,0 | 575,1 | 574,2 | 573,3 | 572,4 | 571,5 | 570,6 | 569,7 | 568,8 | 567,9 | 567,0 | 566,1 | 565,2 | 564,3 | 9 |

| $6^g$ | 627 | 635 | 635 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.03** | **9.03** | **0.96** | **9.99** | |
| **90 oo** | 41183 | 66742 | 33258 | 74441 | **10 oo** |
| 10 | 41810 | 67377 | 32623 | 74434 | 90 |
| 20 | 42437 | 68011 | 31989 | 74426 | 80 |
| 30 | 43064 | 68645 | 31355 | 74419 | 70 |
| 40 | 43690 | 69279 | 30721 | 74411 | 60 |
| 50 | 44317 | 69913 | 30087 | 74404 | 50 |
| 60 | 44943 | 70547 | 29453 | 74396 | 40 |
| 70 | 45570 | 71181 | 28819 | 74389 | 30 |
| 80 | 46196 | 71814 | 28186 | 74382 | 20 |
| 90 | 46822 | 72448 | 27552 | 74374 | 10 |
| **91 oo** | 47448 | 73082 | 26918 | 74367 | **09 oo** |
| 10 | 48074 | 73715 | 26285 | 74359 | 90 |
| 20 | 48700 | 74348 | 25652 | 74352 | 80 |
| 30 | 49326 | 74982 | 25018 | 74344 | 70 |
| 40 | 49952 | 75615 | 24385 | 74337 | 60 |
| 50 | 50577 | 76248 | 23752 | 74330 | 50 |
| 60 | 51203 | 76881 | 23119 | 74322 | 40 |
| 70 | 51828 | 77514 | 22486 | 74315 | 30 |
| 80 | 52454 | 78146 | 21854 | 74307 | 20 |
| 90 | 53079 | 78779 | 21221 | 74300 | 10 |
| **92 oo** | 53704 | 79412 | 20588 | 74292 | **08 oo** |
| 10 | 54329 | 80044 | 19956 | 74285 | 90 |
| 20 | 54954 | 80677 | 19323 | 74277 | 80 |
| 30 | 55579 | 81309 | 18691 | 74270 | 70 |
| 40 | 56204 | 81941 | 18059 | 74263 | 60 |
| 50 | 56828 | 82573 | 17427 | 74255 | 50 |
| 60 | 57453 | 83205 | 16795 | 74248 | 40 |
| 70 | 58078 | 83837 | 16163 | 74240 | 30 |
| 80 | 58702 | 84469 | 15531 | 74233 | 20 |
| 90 | 59326 | 85101 | 14899 | 74225 | 10 |
| **93 oo** | 59951 | 85733 | 14267 | 74218 | **07 oo** |
| 10 | 60575 | 86364 | 13636 | 74210 | 90 |
| 20 | 61199 | 86996 | 13004 | 74203 | 80 |
| 30 | 61823 | 87627 | 12373 | 74195 | 70 |
| 40 | 62447 | 88259 | 11741 | 74188 | 60 |
| 50 | 63071 | 88890 | 11110 | 74181 | 50 |
| 60 | 63694 | 89521 | 10479 | 74173 | 40 |
| 70 | 64318 | 90152 | 09848 | 74166 | 30 |
| 80 | 64941 | 90783 | 09217 | 74158 | 20 |
| 90 | 65565 | 91414 | 08586 | 74151 | 10 |
| **94 oo** | 66188 | 92045 | 07955 | 74143 | **06 oo** |
| 10 | 66811 | 92676 | 07324 | 74136 | 90 |
| 20 | 67435 | 93306 | 06694 | 74128 | 80 |
| 30 | 68058 | 93937 | 06063 | 74121 | 70 |
| 40 | 68681 | 94567 | 05433 | 74113 | 60 |
| 50 | 69304 | 95198 | 04802 | 74106 | 50 |
| 60 | 69926 | 95828 | 04172 | 74098 | 40 |
| 70 | 70549 | 96458 | 03542 | 74091 | 30 |
| 80 | 71172 | 97088 | 02912 | 74083 | 20 |
| 90 | 71794 | 97718 | 02282 | 74076 | 10 |
| **95 oo** | 72417 | 98348 | 01652 | 74068 | **05 oo** |
| | **9.03** | **9.03** | **0.96** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 622 | 630 | 630 | 8 | |

| $6^g$ | 623 | 630 | 630 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.03** | ***9.03** | ***0.96** | **9.99** | |
| **95 oo** | 72417 | *98348 | *01652 | 74068 | **05 oo** |
| 10 | 73039 | *98978 | *01022 | 74061 | 90 |
| 20 | 73661 | *99608 | *00392 | 74054 | 80 |
| 30 | 74284 | 00237 | 99763 | 74046 | 70 |
| 40 | 74906 | 00867 | 99133 | 74039 | 60 |
| 50 | 75528 | 01497 | 98503 | 74031 | 50 |
| 60 | 76150 | 02126 | 97874 | 74024 | 40 |
| 70 | 76771 | 02755 | 97245 | 74016 | 30 |
| 80 | 77393 | 03384 | 96616 | 74009 | 20 |
| 90 | 78015 | 04014 | 95986 | 74001 | 10 |
| **96 oo** | 78636 | 04643 | 95357 | 73994 | **04 oo** |
| 10 | 79258 | 05272 | 94728 | 73986 | 90 |
| 20 | 79879 | 05900 | 94100 | 73979 | 80 |
| 30 | 80500 | 06529 | 93471 | 73971 | 70 |
| 40 | 81121 | 07158 | 92842 | 73964 | 60 |
| 50 | 81743 | 07786 | 92214 | 73956 | 50 |
| 60 | 82364 | 08415 | 91585 | 73949 | 40 |
| 70 | 82985 | 09043 | 90957 | 73941 | 30 |
| 80 | 83605 | 09672 | 90328 | 73934 | 20 |
| 90 | 84226 | 10300 | 89700 | 73926 | 10 |
| **97 oo** | 84847 | 10928 | 89072 | 73919 | **03 oo** |
| 10 | 85467 | 11556 | 88444 | 73911 | 90 |
| 20 | 86088 | 12184 | 87816 | 73904 | 80 |
| 30 | 86708 | 12812 | 87188 | 73896 | 70 |
| 40 | 87328 | 13440 | 86560 | 73889 | 60 |
| 50 | 87949 | 14067 | 85933 | 73881 | 50 |
| 60 | 88569 | 14695 | 85305 | 73874 | 40 |
| 70 | 89189 | 15323 | 84677 | 73866 | 30 |
| 80 | 89809 | 15950 | 84050 | 73859 | 20 |
| 90 | 90428 | 16577 | 83423 | 73851 | 10 |
| **98 oo** | 91048 | 17205 | 82795 | 73844 | **02 oo** |
| 10 | 91668 | 17832 | 82168 | 73836 | 90 |
| 20 | 92287 | 18459 | 81541 | 73829 | 80 |
| 30 | 92907 | 19086 | 80914 | 73821 | 70 |
| 40 | 93526 | 19713 | 80287 | 73814 | 60 |
| 50 | 94146 | 20340 | 79660 | 73806 | 50 |
| 60 | 94765 | 20966 | 79034 | 73799 | 40 |
| 70 | 95384 | 21593 | 78407 | 73791 | 30 |
| 80 | 96003 | 22219 | 77781 | 73784 | 20 |
| 90 | 96622 | 22846 | 77154 | 73776 | 10 |
| **99 oo** | 97241 | 23472 | 76528 | 73769 | **01 oo** |
| 10 | 97860 | 24099 | 75901 | 73761 | 90 |
| 20 | 98478 | 24725 | 75275 | 73753 | 80 |
| 30 | 99097 | 25351 | 74649 | 73746 | 70 |
| 40 | 99715 | 25977 | 74023 | 73738 | 60 |
| 50 | *00334 | 26603 | 73397 | 73731 | 50 |
| 60 | *00952 | 27229 | 72771 | 73723 | 40 |
| 70 | *01570 | 27854 | 72146 | 73716 | 30 |
| 80 | *02188 | 28480 | 71520 | 73708 | 20 |
| 90 | *02806 | 29106 | 70894 | 73701 | 10 |
| **100 oo** | *03424 | 29731 | 70269 | 73693 | **00 oo** |
| | ***9.04** | **9.04** | **0.95** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $93^g$ |
| | 618 | 625 | 625 | 8 | |

| | 635 | 634 | 633 | 632 | 631 | 630 | 629 | 628 | 627 | 626 | 625 | 624 | 623 | 622 | 621 | 620 | 619 | 618 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 63,5 | 63,4 | 63,3 | 63,2 | 63,1 | 63,0 | 62,9 | 62,8 | 62,7 | 62,6 | 62,5 | 62,4 | 62,3 | 62,2 | 62,1 | 62,0 | 61,9 | 61,8 | 1 |
| 2 | 127,0 | 126,8 | 126,6 | 126,4 | 126,2 | 126,0 | 125,8 | 125,6 | 125,4 | 125,2 | 125,0 | 124,8 | 124,6 | 124,4 | 124,2 | 124,0 | 123,8 | 123,6 | 2 |
| 3 | 190,5 | 190,2 | 189,9 | 189,6 | 189,3 | 189,0 | 188,7 | 188,4 | 188,1 | 187,8 | 187,5 | 187,2 | 186,9 | 186,6 | 186,3 | 186,0 | 185,7 | 185,4 | 3 |
| 4 | 254,0 | 253,6 | 253,2 | 252,8 | 252,4 | 252,0 | 251,6 | 251,2 | 250,8 | 250,4 | 250,0 | 249,6 | 249,2 | 248,8 | 248,4 | 248,0 | 247,6 | 247,2 | 4 |
| 5 | 317,5 | 317,0 | 316,5 | 316,0 | 315,5 | 315,0 | 314,5 | 314,0 | 313,5 | 313,0 | 312,5 | 312,0 | 311,5 | 311,0 | 310,5 | 310,0 | 309,5 | 309,0 | 5 |
| 6 | 381,0 | 380,4 | 379,8 | 379,2 | 378,6 | 378,0 | 377,4 | 376,8 | 376,2 | 375,6 | 375,0 | 374,4 | 373,8 | 373,2 | 372,6 | 372,0 | 371,4 | 370,8 | 6 |
| 7 | 444,5 | 443,8 | 443,1 | 442,4 | 441,7 | 441,0 | 440,3 | 439,6 | 438,9 | 438,2 | 437,5 | 436,8 | 436,1 | 435,4 | 434,7 | 434,0 | 433,3 | 432,6 | 7 |
| 8 | 508,0 | 507,2 | 506,4 | 505,6 | 504,8 | 504,0 | 503,2 | 502,4 | 501,6 | 500,8 | 500,0 | 499,2 | 498,4 | 497,6 | 496,8 | 496,0 | 495,2 | 494,4 | 8 |
| 9 | 571,5 | 570,6 | 569,7 | 568,8 | 567,9 | 567,0 | 566,1 | 565,2 | 564,3 | 563,4 | 562,5 | 561,6 | 560,7 | 559,8 | 558,9 | 558,0 | 557,1 | 556,2 | 9 |

| 7g | 618 | 626 | 626 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.04** | **9.04** | **0.95** | **9.99** | |
| **00 oo** | 03424 | 29731 | 70269 | 73693 | **100 oo** |
| 10 | 04042 | 30357 | 69643 | 73686 | 90 |
| 20 | 04660 | 30982 | 69018 | 73678 | 80 |
| 30 | 05278 | 31607 | 68393 | 73671 | 70 |
| 40 | 05895 | 32232 | 67768 | 73663 | 60 |
| 50 | 06513 | 32857 | 67143 | 73656 | 50 |
| 60 | 07130 | 33482 | 66518 | 73648 | 40 |
| 70 | 07748 | 34107 | 65893 | 73641 | 30 |
| 80 | 08365 | 34732 | 65268 | 73633 | 20 |
| 90 | 08982 | 35357 | 64643 | 73625 | 10 |
| **01 oo** | 09599 | 35981 | 64019 | 73618 | **99 oo** |
| 10 | 10216 | 36606 | 63394 | 73610 | 90 |
| 20 | 10833 | 37230 | 62770 | 73603 | 80 |
| 30 | 11450 | 37855 | 62145 | 73595 | 70 |
| 40 | 12067 | 38479 | 61521 | 73588 | 60 |
| 50 | 12683 | 39103 | 60897 | 73580 | 50 |
| 60 | 13300 | 39727 | 60273 | 73573 | 40 |
| 70 | 13916 | 40351 | 59649 | 73565 | 30 |
| 80 | 14533 | 40975 | 59025 | 73558 | 20 |
| 90 | 15149 | 41599 | 58401 | 73550 | 10 |
| **02 oo** | 15765 | 42223 | 57777 | 73542 | **98 oo** |
| 10 | 16381 | 42846 | 57154 | 73535 | 90 |
| 20 | 16997 | 43470 | 56530 | 73527 | 80 |
| 30 | 17613 | 44093 | 55907 | 73520 | 70 |
| 40 | 18229 | 44717 | 55283 | 73512 | 60 |
| 50 | 18845 | 45340 | 54660 | 73505 | 50 |
| 60 | 19460 | 45963 | 54037 | 73497 | 40 |
| 70 | 20076 | 46586 | 53414 | 73490 | 30 |
| 80 | 20691 | 47209 | 52791 | 73482 | 20 |
| 90 | 21307 | 47832 | 52168 | 73474 | 10 |
| **03 oo** | 21922 | 48455 | 51545 | 73467 | **97 oo** |
| 10 | 22537 | 49078 | 50922 | 73459 | 90 |
| 20 | 23152 | 49701 | 50299 | 73452 | 80 |
| 30 | 23767 | 50323 | 49677 | 73444 | 70 |
| 40 | 24382 | 50946 | 49054 | 73437 | 60 |
| 50 | 24997 | 51568 | 48432 | 73429 | 50 |
| 60 | 25612 | 52191 | 47809 | 73421 | 40 |
| 70 | 26227 | 52813 | 47187 | 73414 | 30 |
| 80 | 26841 | 53435 | 46565 | 73406 | 20 |
| 90 | 27456 | 54057 | 45943 | 73399 | 10 |
| **04 oo** | 28070 | 54679 | 45321 | 73391 | **96 oo** |
| 10 | 28685 | 55301 | 44699 | 73384 | 90 |
| 20 | 29299 | 55923 | 44077 | 73376 | 80 |
| 30 | 29913 | 56545 | 43455 | 73368 | 70 |
| 40 | 30527 | 57166 | 42834 | 73361 | 60 |
| 50 | 31141 | 57788 | 42212 | 73353 | 50 |
| 60 | 31755 | 58409 | 41591 | 73346 | 40 |
| 70 | 32369 | 59031 | 40969 | 73338 | 30 |
| 80 | 32982 | 59652 | 40348 | 73330 | 20 |
| 90 | 33596 | 60273 | 39727 | 73323 | 10 |
| **05 oo** | 34210 | 60894 | 39106 | 73315 | **95 oo** |
| | **9.04** | **9.04** | **0.95** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 613 | 621 | 621 | 8 | |

| 7g | 614 | 621 | 621 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.04** | **9.04** | **0.95** | **9.99** | |
| **05 oo** | 34210 | 60894 | 39106 | 73315 | **95 oo** |
| 10 | 34823 | 61515 | 38485 | 73308 | 90 |
| 20 | 35436 | 62136 | 37864 | 73300 | 80 |
| 30 | 36050 | 62757 | 37243 | 73293 | 70 |
| 40 | 36663 | 63378 | 36622 | 73285 | 60 |
| 50 | 37276 | 63999 | 36001 | 73277 | 50 |
| 60 | 37889 | 64619 | 35381 | 73270 | 40 |
| 70 | 38502 | 65240 | 34760 | 73262 | 30 |
| 80 | 39115 | 65860 | 34140 | 73255 | 20 |
| 90 | 39728 | 66481 | 33519 | 73247 | 10 |
| **06 oo** | 40340 | 67101 | 32899 | 73239 | **94 oo** |
| 10 | 40953 | 67721 | 32279 | 73232 | 90 |
| 20 | 41565 | 68341 | 31659 | 73224 | 80 |
| 30 | 42178 | 68961 | 31039 | 73217 | 70 |
| 40 | 42790 | 69581 | 30419 | 73209 | 60 |
| 50 | 43402 | 70201 | 29799 | 73201 | 50 |
| 60 | 44014 | 70821 | 29179 | 73194 | 40 |
| 70 | 44626 | 71440 | 28560 | 73186 | 30 |
| 80 | 45238 | 72060 | 27940 | 73179 | 20 |
| 90 | 45850 | 72679 | 27321 | 73171 | 10 |
| **07 oo** | 46462 | 73299 | 26701 | 73163 | **93 oo** |
| 10 | 47074 | 73918 | 26082 | 73156 | 90 |
| 20 | 47685 | 74537 | 25463 | 73148 | 80 |
| 30 | 48297 | 75156 | 24844 | 73141 | 70 |
| 40 | 48908 | 75775 | 24225 | 73133 | 60 |
| 50 | 49520 | 76394 | 23606 | 73125 | 50 |
| 60 | 50131 | 77013 | 22987 | 73118 | 40 |
| 70 | 50742 | 77632 | 22368 | 73110 | 30 |
| 80 | 51353 | 78251 | 21749 | 73102 | 20 |
| 90 | 51964 | 78869 | 21131 | 73095 | 10 |
| **08 oo** | 52575 | 79488 | 20512 | 73087 | **92 oo** |
| 10 | 53186 | 80106 | 19894 | 73080 | 90 |
| 20 | 53797 | 80725 | 19275 | 73072 | 80 |
| 30 | 54408 | 81343 | 18657 | 73064 | 70 |
| 40 | 55018 | 81961 | 18039 | 73057 | 60 |
| 50 | 55629 | 82579 | 17421 | 73049 | 50 |
| 60 | 56239 | 83197 | 16803 | 73042 | 40 |
| 70 | 56849 | 83815 | 16185 | 73034 | 30 |
| 80 | 57460 | 84433 | 15567 | 73026 | 20 |
| 90 | 58070 | 85051 | 14949 | 73019 | 10 |
| **09 oo** | 58680 | 85669 | 14331 | 73011 | **91 oo** |
| 10 | 59290 | 86286 | 13714 | 73003 | 90 |
| 20 | 59900 | 86904 | 13096 | 72996 | 80 |
| 30 | 60509 | 87521 | 12479 | 72988 | 70 |
| 40 | 61119 | 88139 | 11861 | 72981 | 60 |
| 50 | 61729 | 88756 | 11244 | 72973 | 50 |
| 60 | 62338 | 89373 | 10627 | 72965 | 40 |
| 70 | 62948 | 89990 | 10010 | 72958 | 30 |
| 80 | 63557 | 90607 | 09393 | 72950 | 20 |
| 90 | 64166 | 91224 | 08776 | 72942 | 10 |
| **10 oo** | 64775 | 91841 | 08159 | 72935 | **90 oo** |
| | **9.04** | **9.04** | **0.95** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 609 | 617 | 617 | 8 | |

| | 626 | 625 | 624 | 623 | 622 | 621 | 620 | 619 | 618 | 617 | 616 | 615 | 614 | 613 | 612 | 611 | 610 | 609 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 62,6 | 62,5 | 62,4 | 62,3 | 62,2 | 62,1 | 62,0 | 61,9 | 61,8 | 61,7 | 61,6 | 61,5 | 61,4 | 61,3 | 61,2 | 61,1 | 61,0 | 60,9 | 1 |
| 2 | 125,2 | 125,0 | 124,8 | 124,6 | 124,4 | 124,2 | 124,0 | 123,8 | 123,6 | 123,4 | 123,2 | 123,0 | 122,8 | 122,6 | 122,4 | 122,2 | 122,0 | 121,8 | 2 |
| 3 | 187,8 | 187,5 | 187,2 | 186,9 | 186,6 | 186,3 | 186,0 | 185,7 | 185,4 | 185,1 | 184,8 | 184,5 | 184,2 | 183,9 | 183,6 | 183,3 | 183,0 | 182,7 | 3 |
| 4 | 250,4 | 250,0 | 249,6 | 249,2 | 248,8 | 248,4 | 248,0 | 247,6 | 247,2 | 246,8 | 246,4 | 246,0 | 245,6 | 245,2 | 244,8 | 244,4 | 244,0 | 243,6 | 4 |
| 5 | 313,0 | 312,5 | 312,0 | 311,5 | 311,0 | 310,5 | 310,0 | 309,5 | 309,0 | 308,5 | 308,0 | 307,5 | 307,0 | 306,5 | 306,0 | 305,5 | 305,0 | 304,5 | 5 |
| 6 | 375,6 | 375,0 | 374,4 | 373,8 | 373,2 | 372,6 | 372,0 | 371,4 | 370,8 | 370,2 | 369,6 | 369,0 | 368,4 | 367,8 | 367,2 | 366,6 | 366,0 | 365,4 | 6 |
| 7 | 438,2 | 437,5 | 436,8 | 436,1 | 435,4 | 434,7 | 434,0 | 433,3 | 432,6 | 431,9 | 431,2 | 430,5 | 429,8 | 429,1 | 428,4 | 427,7 | 427,0 | 426,3 | 7 |
| 8 | 500,8 | 500,0 | 499,2 | 498,4 | 497,6 | 496,8 | 496,0 | 495,2 | 494,4 | 493,6 | 492,8 | 492,0 | 491,2 | 490,4 | 489,6 | 488,8 | 488,0 | 487,2 | 8 |
| 9 | 563,4 | 562,5 | 561,6 | 560,7 | 559,8 | 558,9 | 558,0 | 557,1 | 556,2 | 555,3 | 554,4 | 553,5 | 552,6 | 551,7 | 550,8 | 549,9 | 549,0 | 548,1 | 9 |

| 7g | 610 | 617 | 617 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.04** | ***9.04** | ***0.95** | **9.99** | |
| **10 oo** | 64775 | *91841 | *08159 | 72935 | **90 oo** |
| 10 | 65385 | *92458 | *07542 | 72927 | 90 |
| 20 | 65994 | *93074 | *06926 | 72919 | 80 |
| 30 | 66603 | *93691 | *06309 | 72912 | 70 |
| 40 | 67211 | *94307 | *05693 | 72904 | 60 |
| 50 | 67820 | *94924 | *05076 | 72896 | 50 |
| 60 | 68429 | *95540 | *04460 | 72889 | 40 |
| 70 | 69037 | *96156 | *03844 | 72881 | 30 |
| 80 | 69646 | *96772 | *03228 | 72874 | 20 |
| 90 | 70254 | *97388 | *02612 | 72866 | 10 |
| **11 oo** | 70863 | *98004 | *01996 | 72858 | **89 oo** |
| 10 | 71471 | *98620 | *01380 | 72851 | 90 |
| 20 | 72079 | *99236 | *00764 | 72843 | 80 |
| 30 | 72687 | *99852 | *00148 | 72835 | 70 |
| 40 | 73295 | 00467 | 99533 | 72828 | 60 |
| 50 | 73903 | 01083 | 98917 | 72820 | 50 |
| 60 | 74511 | 01698 | 98302 | 72812 | 40 |
| 70 | 75118 | 02314 | 97686 | 72805 | 30 |
| 80 | 75726 | 02929 | 97071 | 72797 | 20 |
| 90 | 76334 | 03544 | 96456 | 72789 | 10 |
| **12 oo** | 76941 | 04159 | 95841 | 72782 | **88 oo** |
| 10 | 77548 | 04774 | 95226 | 72774 | 90 |
| 20 | 78156 | 05389 | 94611 | 72766 | 80 |
| 30 | 78763 | 06004 | 93996 | 72759 | 70 |
| 40 | 79370 | 06619 | 93381 | 72751 | 60 |
| 50 | 79977 | 07234 | 92766 | 72743 | 50 |
| 60 | 80584 | 07848 | 92152 | 72736 | 40 |
| 70 | 81191 | 08463 | 91537 | 72728 | 30 |
| 80 | 81798 | 09077 | 90923 | 72720 | 20 |
| 90 | 82404 | 09692 | 90308 | 72713 | 10 |
| **13 oo** | 83011 | 10306 | 89694 | 72705 | **87 oo** |
| 10 | 83617 | 10920 | 89080 | 72697 | 90 |
| 20 | 84224 | 11534 | 88466 | 72690 | 80 |
| 30 | 84830 | 12148 | 87852 | 72682 | 70 |
| 40 | 85437 | 12762 | 87238 | 72674 | 60 |
| 50 | 86043 | 13376 | 86624 | 72667 | 50 |
| 60 | 86649 | 13990 | 86010 | 72659 | 40 |
| 70 | 87255 | 14604 | 85396 | 72651 | 30 |
| 80 | 87861 | 15217 | 84783 | 72644 | 20 |
| 90 | 88467 | 15831 | 84169 | 72636 | 10 |
| **14 oo** | 89072 | 16444 | 83556 | 72628 | **86 oo** |
| 10 | 89678 | 17057 | 82943 | 72621 | 90 |
| 20 | 90284 | 17671 | 82329 | 72613 | 80 |
| 30 | 90889 | 18284 | 81716 | 72605 | 70 |
| 40 | 91494 | 18897 | 81103 | 72597 | 60 |
| 50 | 92100 | 19510 | 80490 | 72590 | 50 |
| 60 | 92705 | 20123 | 79877 | 72582 | 40 |
| 70 | 93310 | 20736 | 79264 | 72574 | 30 |
| 80 | 93915 | 21348 | 78652 | 72567 | 20 |
| 90 | 94520 | 21961 | 78039 | 72559 | 10 |
| **15 oo** | 95125 | 22574 | 77426 | 72551 | **85 oo** |
| | **9.04** | **9.05** | **0.94** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 605 | 612 | 612 | 8 | |

| 7g | 605 | 613 | 613 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9.04** | **9.05** | **0.94** | **9.99** | |
| **15 oo** | *95125 | 22574 | 77426 | 72551 | **85 oo** |
| 10 | *95730 | 23186 | 76814 | 72544 | 90 |
| 20 | *96335 | 23799 | 76201 | 72536 | 80 |
| 30 | *96939 | 24411 | 75589 | 72528 | 70 |
| 40 | *97544 | 25023 | 74977 | 72521 | 60 |
| 50 | *98148 | 25635 | 74365 | 72513 | 50 |
| 60 | *98753 | 26247 | 73753 | 72505 | 40 |
| 70 | *99357 | 26859 | 73141 | 72497 | 30 |
| 80 | *99961 | 27471 | 72529 | 72490 | 20 |
| 90 | 00565 | 28083 | 71917 | 72482 | 10 |
| **16 oo** | 01169 | 28695 | 71305 | 72474 | **84 oo** |
| 10 | 01773 | 29307 | 70693 | 72467 | 90 |
| 20 | 02377 | 29918 | 70082 | 72459 | 80 |
| 30 | 02981 | 30530 | 69470 | 72451 | 70 |
| 40 | 03585 | 31141 | 68859 | 72444 | 60 |
| 50 | 04188 | 31752 | 68248 | 72436 | 50 |
| 60 | 04792 | 32364 | 67636 | 72428 | 40 |
| 70 | 05395 | 32975 | 67025 | 72420 | 30 |
| 80 | 05999 | 33586 | 66414 | 72413 | 20 |
| 90 | 06602 | 34197 | 65803 | 72405 | 10 |
| **17 oo** | 07205 | 34808 | 65192 | 72397 | **83 oo** |
| 10 | 07808 | 35419 | 64581 | 72390 | 90 |
| 20 | 08411 | 36029 | 63971 | 72382 | 80 |
| 30 | 09014 | 36640 | 63360 | 72374 | 70 |
| 40 | 09617 | 37251 | 62749 | 72366 | 60 |
| 50 | 10220 | 37861 | 62139 | 72359 | 50 |
| 60 | 10822 | 38471 | 61529 | 72351 | 40 |
| 70 | 11425 | 39082 | 60918 | 72343 | 30 |
| 80 | 12027 | 39692 | 60308 | 72335 | 20 |
| 90 | 12630 | 40302 | 59698 | 72328 | 10 |
| **18 oo** | 13232 | 40912 | 59088 | 72320 | **82 oo** |
| 10 | 13834 | 41522 | 58478 | 72312 | 90 |
| 20 | 14437 | 42132 | 57868 | 72305 | 80 |
| 30 | 15039 | 42742 | 57258 | 72297 | 70 |
| 40 | 15641 | 43352 | 56648 | 72289 | 60 |
| 50 | 16243 | 43961 | 56039 | 72281 | 50 |
| 60 | 16845 | 44571 | 55429 | 72274 | 40 |
| 70 | 17446 | 45180 | 54820 | 72266 | 30 |
| 80 | 18048 | 45790 | 54210 | 72258 | 20 |
| 90 | 18650 | 46399 | 53601 | 72250 | 10 |
| **19 oo** | 19251 | 47008 | 52992 | 72243 | **81 oo** |
| 10 | 19852 | 47617 | 52383 | 72235 | 90 |
| 20 | 20454 | 48227 | 51773 | 72227 | 80 |
| 30 | 21055 | 48836 | 51164 | 72219 | 70 |
| 40 | 21656 | 49444 | 50556 | 72212 | 60 |
| 50 | 22257 | 50053 | 49947 | 72204 | 50 |
| 60 | 22858 | 50662 | 49338 | 72196 | 40 |
| 70 | 23459 | 51271 | 48729 | 72189 | 30 |
| 80 | 24060 | 51879 | 48121 | 72181 | 20 |
| 90 | 24661 | 52488 | 47512 | 72173 | 10 |
| **20 oo** | 25261 | 53096 | 46904 | 72165 | **80 oo** |
| | **9.05** | **9.05** | **0.94** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 600 | 608 | 608 | 8 | |

| | 617 | 616 | 615 | 614 | 613 | 612 | 611 | 610 | 609 | 608 | 607 | 606 | 605 | 604 | 603 | 602 | 601 | 600 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 61,7 | 61,6 | 61,5 | 61,4 | 61,3 | 61,2 | 61,1 | 61,0 | 60,9 | 60,8 | 60,7 | 60,6 | 60,5 | 60,4 | 60,3 | 60,2 | 60,1 | 60,0 | 1 |
| 2 | 123,4 | 123,2 | 123,0 | 122,8 | 122,6 | 122,4 | 122,2 | 122,0 | 121,8 | 121,6 | 121,4 | 121,2 | 121,0 | 120,8 | 120,6 | 120,4 | 120,2 | 120,0 | 2 |
| 3 | 185,1 | 184,8 | 184,5 | 184,2 | 183,9 | 183,6 | 183,3 | 183,0 | 182,7 | 182,4 | 182,1 | 181,8 | 181,5 | 181,2 | 180,9 | 180,6 | 180,3 | 180,0 | 3 |
| 4 | 246,8 | 246,4 | 246,0 | 245,6 | 245,2 | 244,8 | 244,4 | 244,0 | 243,6 | 243,2 | 242,8 | 242,4 | 242,0 | 241,6 | 241,2 | 240,8 | 240,4 | 240,0 | 4 |
| 5 | 308,5 | 308,0 | 307,5 | 307,0 | 306,5 | 306,0 | 305,5 | 305,0 | 304,5 | 304,0 | 303,5 | 303,0 | 302,5 | 302,0 | 301,5 | 301,0 | 300,5 | 300,0 | 5 |
| 6 | 370,2 | 369,6 | 369,0 | 368,4 | 367,8 | 367,2 | 366,6 | 366,0 | 365,4 | 364,8 | 364,2 | 363,6 | 363,0 | 362,4 | 361,8 | 361,2 | 360,6 | 360,0 | 6 |
| 7 | 431,9 | 431,2 | 430,5 | 429,8 | 429,1 | 428,4 | 427,7 | 427,0 | 426,3 | 425,6 | 424,9 | 424,2 | 423,5 | 422,8 | 422,1 | 421,4 | 420,7 | 420,0 | 7 |
| 8 | 493,6 | 492,8 | 492,0 | 491,2 | 490,4 | 489,6 | 488,8 | 488,0 | 487,2 | 486,4 | 485,6 | 484,8 | 484,0 | 483,2 | 482,4 | 481,6 | 480,8 | 480,0 | 8 |
| 9 | 555,3 | 554,4 | 553,5 | 552,6 | 551,7 | 550,8 | 549,9 | 549,0 | 548,1 | 547,2 | 546,3 | 545,4 | 544,5 | 543,6 | 542,7 | 541,8 | 540,9 | 540,0 | 9 |

| 7g | 601 | 609 | 609 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.05** | **9.05** | **0.94** | **9.99** | |
| **20 oo** | 25261 | 53096 | 46904 | 72165 | **80 oo** |
| 10 | 25862 | 53704 | 46296 | 72158 | 90 |
| 20 | 26462 | 54313 | 45687 | 72150 | 80 |
| 30 | 27063 | 54921 | 45079 | 72142 | 70 |
| 40 | 27663 | 55529 | 44471 | 72134 | 60 |
| 50 | 28263 | 56137 | 43863 | 72127 | 50 |
| 60 | 28864 | 56745 | 43255 | 72119 | 40 |
| 70 | 29464 | 57353 | 42647 | 72111 | 30 |
| 80 | 30064 | 57960 | 42040 | 72103 | 20 |
| 90 | 30663 | 58568 | 41432 | 72095 | 10 |
| **21 oo** | 31263 | 59176 | 40824 | 72088 | **79 oo** |
| 10 | 31863 | 59783 | 40217 | 72080 | 90 |
| 20 | 32463 | 60390 | 39610 | 72072 | 80 |
| 30 | 33062 | 60998 | 39002 | 72064 | 70 |
| 40 | 33662 | 61605 | 38395 | 72057 | 60 |
| 50 | 34261 | 62212 | 37788 | 72049 | 50 |
| 60 | 34860 | 62819 | 37181 | 72041 | 40 |
| 70 | 35460 | 63426 | 36574 | 72033 | 30 |
| 80 | 36059 | 64033 | 35967 | 72026 | 20 |
| 90 | 36658 | 64640 | 35360 | 72018 | 10 |
| **22 oo** | 37257 | 65247 | 34753 | 72010 | **78 oo** |
| 10 | 37856 | 65853 | 34147 | 72002 | 90 |
| 20 | 38455 | 66460 | 33540 | 71995 | 80 |
| 30 | 39053 | 67066 | 32934 | 71987 | 70 |
| 40 | 39652 | 67673 | 32327 | 71979 | 60 |
| 50 | 40250 | 68279 | 31721 | 71971 | 50 |
| 60 | 40849 | 68885 | 31115 | 71963 | 40 |
| 70 | 41447 | 69492 | 30508 | 71956 | 30 |
| 80 | 42046 | 70098 | 29902 | 71948 | 20 |
| 90 | 42644 | 70704 | 29296 | 71940 | 10 |
| **23 oo** | 43242 | 71310 | 28690 | 71932 | **77 oo** |
| 10 | 43840 | 71915 | 28085 | 71925 | 90 |
| 20 | 44438 | 72521 | 27479 | 71917 | 80 |
| 30 | 45036 | 73127 | 26873 | 71909 | 70 |
| 40 | 45634 | 73733 | 26267 | 71901 | 60 |
| 50 | 46231 | 74338 | 25662 | 71893 | 50 |
| 60 | 46829 | 74943 | 25057 | 71886 | 40 |
| 70 | 47427 | 75549 | 24451 | 71878 | 30 |
| 80 | 48024 | 76154 | 23846 | 71870 | 20 |
| 90 | 48621 | 76759 | 23241 | 71862 | 10 |
| **24 oo** | 49219 | 77364 | 22636 | 71854 | **76 oo** |
| 10 | 49816 | 77969 | 22031 | 71847 | 90 |
| 20 | 50413 | 78574 | 21426 | 71839 | 80 |
| 30 | 51010 | 79179 | 20821 | 71831 | 70 |
| 40 | 51607 | 79784 | 20216 | 71823 | 60 |
| 50 | 52204 | 80389 | 19611 | 71815 | 50 |
| 60 | 52801 | 80993 | 19007 | 71808 | 40 |
| 70 | 53398 | 81598 | 18402 | 71800 | 30 |
| 80 | 53994 | 82202 | 17798 | 71792 | 20 |
| 90 | 54591 | 82807 | 17193 | 71784 | 10 |
| **25 oo** | 55187 | 83411 | 16589 | 71776 | **75 oo** |
| | **9.05** | **9.05** | **0.94** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 596 | 604 | 604 | 8 | |

| 7g | 597 | 604 | 604 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.05** | **9.05** | **0.94** | **9.99** | |
| **25 oo** | 55187 | 83411 | 16589 | 71776 | **75 oo** |
| 10 | 55784 | 84015 | 15985 | 71769 | 90 |
| 20 | 56380 | 84619 | 15381 | 71761 | 80 |
| 30 | 56976 | 85223 | 14777 | 71753 | 70 |
| 40 | 57572 | 85827 | 14173 | 71745 | 60 |
| 50 | 58168 | 86431 | 13569 | 71737 | 50 |
| 60 | 58764 | 87035 | 12965 | 71730 | 40 |
| 70 | 59360 | 87638 | 12362 | 71722 | 30 |
| 80 | 59956 | 88242 | 11758 | 71714 | 20 |
| 90 | 60552 | 88846 | 11154 | 71706 | 10 |
| **26 oo** | 61148 | 89449 | 10551 | 71698 | **74 oo** |
| 10 | 61743 | 90052 | 09948 | 71691 | 90 |
| 20 | 62339 | 90656 | 09344 | 71683 | 80 |
| 30 | 62934 | 91259 | 08741 | 71675 | 70 |
| 40 | 63529 | 91862 | 08138 | 71667 | 60 |
| 50 | 64125 | 92465 | 07535 | 71659 | 50 |
| 60 | 64720 | 93068 | 06932 | 71652 | 40 |
| 70 | 65315 | 93671 | 06329 | 71644 | 30 |
| 80 | 65910 | 94274 | 05726 | 71636 | 20 |
| 90 | 66505 | 94877 | 05123 | 71628 | 10 |
| **27 oo** | 67099 | 95479 | 04521 | 71620 | **73 oo** |
| 10 | 67694 | 96082 | 03918 | 71612 | 90 |
| 20 | 68289 | 96684 | 03316 | 71605 | 80 |
| 30 | 68883 | 97287 | 02713 | 71597 | 70 |
| 40 | 69478 | 97889 | 02111 | 71589 | 60 |
| 50 | 70072 | 98491 | 01509 | 71581 | 50 |
| 60 | 70667 | 99093 | 00907 | 71573 | 40 |
| 70 | 71261 | 99695 | 00305 | 71565 | 30 |
| 80 | 71855 | *00297 | *99703 | 71558 | 20 |
| 90 | 72449 | *00899 | *99101 | 71550 | 10 |
| **28 oo** | 73043 | *01501 | *98499 | 71542 | **72 oo** |
| 10 | 73637 | *02103 | *97897 | 71534 | 90 |
| 20 | 74231 | *02705 | *97295 | 71526 | 80 |
| 30 | 74825 | *03306 | *96694 | 71518 | 70 |
| 40 | 75418 | *03908 | *96092 | 71511 | 60 |
| 50 | 76012 | *04509 | *95491 | 71503 | 50 |
| 60 | 76605 | *05110 | *94890 | 71495 | 40 |
| 70 | 77199 | *05712 | *94288 | 71487 | 30 |
| 80 | 77792 | *06313 | *93687 | 71479 | 20 |
| 90 | 78385 | *06914 | *93086 | 71471 | 10 |
| **29 oo** | 78979 | *07515 | *92485 | 71464 | **71 oo** |
| 10 | 79572 | *08116 | *91884 | 71456 | 90 |
| 20 | 80165 | *08717 | *91283 | 71448 | 80 |
| 30 | 80758 | *09318 | *90682 | 71440 | 70 |
| 40 | 81350 | *09918 | *90082 | 71432 | 60 |
| 50 | 81943 | *10519 | *89481 | 71424 | 50 |
| 60 | 82536 | *11119 | *88881 | 71416 | 40 |
| 70 | 83128 | *11720 | *88280 | 71409 | 30 |
| 80 | 83721 | *12320 | *87680 | 71401 | 20 |
| 90 | 84313 | *12921 | *87079 | 71393 | 10 |
| **30 oo** | 84906 | *13521 | *86479 | 71385 | **70 oo** |
| | **9.05** | ***9.06** | ***0.93** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 592 | 600 | 600 | 8 | |

| | 609 | 608 | 607 | 606 | 605 | 604 | 603 | 602 | 601 | 600 | 599 | 598 | 597 | 596 | 595 | 594 | 593 | 592 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 60,9 | 60,8 | 60,7 | 60,6 | 60,5 | 60,4 | 60,3 | 60,2 | 60,1 | 60,0 | 59,9 | 59,8 | 59,7 | 59,6 | 59,5 | 59,4 | 59,3 | 59,2 | 1 |
| 2 | 121,8 | 121,6 | 121,4 | 121,2 | 121,0 | 120,8 | 120,6 | 120,4 | 120,2 | 120,0 | 119,8 | 119,6 | 119,4 | 119,2 | 119,0 | 118,8 | 118,6 | 118,4 | 2 |
| 3 | 182,7 | 182,4 | 182,1 | 181,8 | 181,5 | 181,2 | 180,9 | 180,6 | 180,3 | 180,0 | 179,7 | 179,4 | 179,1 | 178,8 | 178,5 | 178,2 | 177,9 | 177,6 | 3 |
| 4 | 243,6 | 243,2 | 242,8 | 242,4 | 242,0 | 241,6 | 241,2 | 240,8 | 240,4 | 240,0 | 239,6 | 239,2 | 238,8 | 238,4 | 238,0 | 237,6 | 237,2 | 236,8 | 4 |
| 5 | 304,5 | 304,0 | 303,5 | 303,0 | 302,5 | 302,0 | 301,5 | 301,0 | 300,5 | 300,0 | 299,5 | 299,0 | 298,5 | 298,0 | 297,5 | 297,0 | 296,5 | 296,0 | 5 |
| 6 | 365,4 | 364,8 | 364,2 | 363,6 | 363,0 | 362,4 | 361,8 | 361,2 | 360,6 | 360,0 | 359,4 | 358,8 | 358,2 | 357,6 | 357,0 | 356,4 | 355,8 | 355,2 | 6 |
| 7 | 426,3 | 425,6 | 424,9 | 424,2 | 423,5 | 422,8 | 422,1 | 421,4 | 420,7 | 420,0 | 419,3 | 418,6 | 417,9 | 417,2 | 416,5 | 415,8 | 415,1 | 414,4 | 7 |
| 8 | 487,2 | 486,4 | 485,6 | 484,8 | 484,0 | 483,2 | 482,4 | 481,6 | 480,8 | 480,0 | 479,2 | 478,4 | 477,6 | 476,8 | 476,0 | 475,2 | 474,4 | 473,6 | 8 |
| 9 | 548,1 | 547,2 | 546,3 | 545,4 | 544,5 | 543,6 | 542,7 | 541,8 | 540,9 | 540,0 | 539,1 | 538,2 | 537,3 | 536,4 | 535,5 | 534,6 | 533,7 | 532,8 | 9 |

| 7g | 592 | 600 | 600 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.05** | **9.06** | **0.93** | **9.99** | |
| **30 00** | 84906 | 13521 | 86479 | 71385 | **70 00** |
| 10 | 85498 | 14121 | 85879 | 71377 | 90 |
| 20 | 86090 | 14721 | 85279 | 71369 | 80 |
| 30 | 86682 | 15321 | 84679 | 71361 | 70 |
| 40 | 87274 | 15921 | 84079 | 71354 | 60 |
| 50 | 87866 | 16521 | 83479 | 71346 | 50 |
| 60 | 88458 | 17120 | 82880 | 71338 | 40 |
| 70 | 89050 | 17720 | 82280 | 71330 | 30 |
| 80 | 89642 | 18320 | 81680 | 71322 | 20 |
| 90 | 90233 | 18919 | 81081 | 71314 | 10 |
| **31 00** | 90825 | 19518 | 80482 | 71306 | **69 00** |
| 10 | 91416 | 20118 | 79882 | 71299 | 90 |
| 20 | 92008 | 20717 | 79283 | 71291 | 80 |
| 30 | 92599 | 21316 | 78684 | 71283 | 70 |
| 40 | 93190 | 21915 | 78085 | 71275 | 60 |
| 50 | 93781 | 22514 | 77486 | 71267 | 50 |
| 60 | 94372 | 23113 | 76887 | 71259 | 40 |
| 70 | 94963 | 23712 | 76288 | 71251 | 30 |
| 80 | 95554 | 24311 | 75689 | 71243 | 20 |
| 90 | 96145 | 24909 | 75091 | 71236 | 10 |
| **32 00** | 96736 | 25508 | 74492 | 71228 | **68 00** |
| 10 | 97326 | 26107 | 73893 | 71220 | 90 |
| 20 | 97917 | 26705 | 73295 | 71212 | 80 |
| 30 | 98507 | 27303 | 72697 | 71204 | 70 |
| 40 | 99098 | 27902 | 72098 | 71196 | 60 |
| 50 | 99688 | 28500 | 71500 | 71188 | 50 |
| 60 | *00278 | 29098 | 70902 | 71180 | 40 |
| 70 | *00869 | 29696 | 70304 | 71172 | 30 |
| 80 | *01459 | 30294 | 69706 | 71165 | 20 |
| 90 | *02049 | 30892 | 69108 | 71157 | 10 |
| **33 00** | *02638 | 31490 | 68510 | 71149 | **67 00** |
| 10 | *03228 | 32087 | 67913 | 71141 | 90 |
| 20 | *03818 | 32685 | 67315 | 71133 | 80 |
| 30 | *04408 | 33283 | 66717 | 71125 | 70 |
| 40 | *04997 | 33880 | 66120 | 71117 | 60 |
| 50 | *05587 | 34477 | 65523 | 71109 | 50 |
| 60 | *06176 | 35075 | 64925 | 71101 | 40 |
| 70 | *06766 | 35672 | 64328 | 71094 | 30 |
| 80 | *07355 | 36269 | 63731 | 71086 | 20 |
| 90 | *07944 | 36866 | 63134 | 71078 | 10 |
| **34 00** | *08533 | 37463 | 62537 | 71070 | **66 00** |
| 10 | *09122 | 38060 | 61940 | 71062 | 90 |
| 20 | *09711 | 38657 | 61343 | 71054 | 80 |
| 30 | *10300 | 39254 | 60746 | 71046 | 70 |
| 40 | *10889 | 39850 | 60150 | 71038 | 60 |
| 50 | *11477 | 40447 | 59553 | 71030 | 50 |
| 60 | *12066 | 41044 | 58956 | 71022 | 40 |
| 70 | *12655 | 41640 | 58360 | 71015 | 30 |
| 80 | *13243 | 42236 | 57764 | 71007 | 20 |
| 90 | *13831 | 42833 | 57167 | 70999 | 10 |
| **35 00** | *14420 | 43429 | 56571 | 70991 | **65 00** |
| | ***9.06** | **9.06** | **0.93** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 588 | 596 | 596 | 8 | |

| 7g | 588 | 596 | 596 | 7 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.06** | **9.06** | **0.93** | **9.99** | |
| **35 00** | 14420 | 43429 | 56571 | 70991 | **65 00** |
| 10 | 15008 | 44025 | 55975 | 70983 | 90 |
| 20 | 15596 | 44621 | 55379 | 70975 | 80 |
| 30 | 16184 | 45217 | 54783 | 70967 | 70 |
| 40 | 16772 | 45813 | 54187 | 70959 | 60 |
| 50 | 17360 | 46409 | 53591 | 70951 | 50 |
| 60 | 17948 | 47004 | 52996 | 70943 | 40 |
| 70 | 18535 | 47600 | 52400 | 70935 | 30 |
| 80 | 19123 | 48196 | 51804 | 70927 | 20 |
| 90 | 19711 | 48791 | 51209 | 70920 | 10 |
| **36 00** | 20298 | 49386 | 50614 | 70912 | **64 00** |
| 10 | 20886 | 49982 | 50018 | 70904 | 90 |
| 20 | 21473 | 50577 | 49423 | 70896 | 80 |
| 30 | 22060 | 51172 | 48828 | 70888 | 70 |
| 40 | 22647 | 51767 | 48233 | 70880 | 60 |
| 50 | 23234 | 52362 | 47638 | 70872 | 50 |
| 60 | 23821 | 52957 | 47043 | 70864 | 40 |
| 70 | 24408 | 53552 | 46448 | 70856 | 30 |
| 80 | 24995 | 54147 | 45853 | 70848 | 20 |
| 90 | 25582 | 54742 | 45258 | 70840 | 10 |
| **37 00** | 26169 | 55336 | 44664 | 70832 | **63 00** |
| 10 | 26755 | 55931 | 44069 | 70824 | 90 |
| 20 | 27342 | 56525 | 43475 | 70816 | 80 |
| 30 | 27928 | 57120 | 42880 | 70809 | 70 |
| 40 | 28514 | 57714 | 42286 | 70801 | 60 |
| 50 | 29101 | 58308 | 41692 | 70793 | 50 |
| 60 | 29687 | 58902 | 41098 | 70785 | 40 |
| 70 | 30273 | 59496 | 40504 | 70777 | 30 |
| 80 | 30859 | 60090 | 39910 | 70769 | 20 |
| 90 | 31445 | 60684 | 39316 | 70761 | 10 |
| **38 00** | 32031 | 61278 | 38722 | 70753 | **62 00** |
| 10 | 32617 | 61872 | 38128 | 70745 | 90 |
| 20 | 33202 | 62465 | 37535 | 70737 | 80 |
| 30 | 33788 | 63059 | 36941 | 70729 | 70 |
| 40 | 34374 | 63652 | 36348 | 70721 | 60 |
| 50 | 34959 | 64246 | 35754 | 70713 | 50 |
| 60 | 35544 | 64839 | 35161 | 70705 | 40 |
| 70 | 36130 | 65432 | 34568 | 70697 | 30 |
| 80 | 36715 | 66026 | 33974 | 70689 | 20 |
| 90 | 37300 | 66619 | 33381 | 70681 | 10 |
| **39 00** | 37885 | 67212 | 32788 | 70673 | **61 00** |
| 10 | 38470 | 67805 | 32195 | 70666 | 90 |
| 20 | 39055 | 68398 | 31602 | 70658 | 80 |
| 30 | 39640 | 68990 | 31010 | 70650 | 70 |
| 40 | 40225 | 69583 | 30417 | 70642 | 60 |
| 50 | 40809 | 70176 | 29824 | 70634 | 50 |
| 60 | 41394 | 70768 | 29232 | 70626 | 40 |
| 70 | 41979 | 71361 | 28639 | 70618 | 30 |
| 80 | 42563 | 71953 | 28047 | 70610 | 20 |
| 90 | 43147 | 72546 | 27454 | 70602 | 10 |
| **40 00** | 43732 | 73138 | 26862 | 70594 | **60 00** |
| | **9.06** | **9.06** | **0.93** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 584 | 592 | 592 | 8 | |

| | 600 | 599 | 598 | 597 | 596 | 595 | 594 | 593 | 592 | 591 | 590 | 589 | 588 | 587 | 586 | 585 | 584 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 60,0 | 59,9 | 59,8 | 59,7 | 59,6 | 59,5 | 59,4 | 59,3 | 59,2 | 59,1 | 59,0 | 58,9 | 58,8 | 58,7 | 58,6 | 58,5 | 58,4 | 1 |
| 2 | 120,0 | 119,8 | 119,6 | 119,4 | 119,2 | 119,0 | 118,8 | 118,6 | 118,4 | 118,2 | 118,0 | 117,8 | 117,6 | 117,4 | 117,2 | 117,0 | 116,8 | 2 |
| 3 | 180,0 | 179,7 | 179,4 | 179,1 | 178,8 | 178,5 | 178,2 | 177,9 | 177,6 | 177,3 | 177,0 | 176,7 | 176,4 | 176,1 | 175,8 | 175,5 | 175,2 | 3 |
| 4 | 240,0 | 239,6 | 239,2 | 238,8 | 238,4 | 238,0 | 237,6 | 237,2 | 236,8 | 236,4 | 236,0 | 235,6 | 235,2 | 234,8 | 234,4 | 234,0 | 233,6 | 4 |
| 5 | 300,0 | 299,5 | 299,0 | 298,5 | 298,0 | 297,5 | 297,0 | 296,5 | 296,0 | 295,5 | 295,0 | 294,5 | 294,0 | 293,5 | 293,0 | 292,5 | 292,0 | 5 |
| 6 | 360,0 | 359,4 | 358,8 | 358,2 | 357,6 | 357,0 | 356,4 | 355,8 | 355,2 | 354,6 | 354,0 | 353,4 | 352,8 | 352,2 | 351,6 | 351,0 | 350,4 | 6 |
| 7 | 420,0 | 419,3 | 418,6 | 417,9 | 417,2 | 416,5 | 415,8 | 415,1 | 414,4 | 413,7 | 413,0 | 412,3 | 411,6 | 410,9 | 410,2 | 409,5 | 408,8 | 7 |
| 8 | 480,0 | 479,2 | 478,4 | 477,6 | 476,8 | 476,0 | 475,2 | 474,4 | 473,6 | 472,8 | 472,0 | 471,2 | 470,4 | 469,6 | 468,8 | 468,0 | 467,2 | 8 |
| 9 | 540,0 | 539,1 | 538,2 | 537,3 | 536,4 | 535,5 | 534,6 | 533,7 | 532,8 | 531,9 | 531,0 | 530,1 | 529,2 | 528,3 | 527,4 | 526,5 | 525,6 | 9 |

| 7g | 584 | 592 | 592 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.06** | **9.06** | **0.93** | **9.99** | |
| **40 oo** | 43732 | 73138 | 26862 | 70594 | **60 oo** |
| 10 | 44316 | 73730 | 26270 | 70586 | 90 |
| 20 | 44900 | 74322 | 25678 | 70578 | 80 |
| 30 | 45484 | 74914 | 25086 | 70570 | 70 |
| 40 | 46068 | 75506 | 24494 | 70562 | 60 |
| 50 | 46652 | 76098 | 23902 | 70554 | 50 |
| 60 | 47236 | 76690 | 23310 | 70546 | 40 |
| 70 | 47819 | 77281 | 22719 | 70538 | 30 |
| 80 | 48403 | 77873 | 22127 | 70530 | 20 |
| 90 | 48987 | 78464 | 21536 | 70522 | 10 |
| **41 oo** | 49570 | 79056 | 20944 | 70514 | **59 oo** |
| 10 | 50153 | 79647 | 20353 | 70506 | 90 |
| 20 | 50737 | 80239 | 19761 | 70498 | 80 |
| 30 | 51320 | 80830 | 19170 | 70490 | 70 |
| 40 | 51903 | 81421 | 18579 | 70482 | 60 |
| 50 | 52486 | 82012 | 17988 | 70474 | 50 |
| 60 | 53069 | 82603 | 17397 | 70466 | 40 |
| 70 | 53652 | 83194 | 16806 | 70458 | 30 |
| 80 | 54235 | 83785 | 16215 | 70450 | 20 |
| 90 | 54818 | 84375 | 15625 | 70442 | 10 |
| **42 oo** | 55400 | 84966 | 15034 | 70434 | **58 oo** |
| 10 | 55983 | 85557 | 14443 | 70426 | 90 |
| 20 | 56566 | 86147 | 13853 | 70418 | 80 |
| 30 | 57148 | 86738 | 13262 | 70410 | 70 |
| 40 | 57730 | 87328 | 12672 | 70402 | 60 |
| 50 | 58313 | 87918 | 12082 | 70394 | 50 |
| 60 | 58895 | 88509 | 11491 | 70386 | 40 |
| 70 | 59477 | 89099 | 10901 | 70378 | 30 |
| 80 | 60059 | 89689 | 10311 | 70370 | 20 |
| 90 | 60641 | 90279 | 09721 | 70362 | 10 |
| **43 oo** | 61223 | 90869 | 09131 | 70354 | **57 oo** |
| 10 | 61805 | 91458 | 08542 | 70346 | 90 |
| 20 | 62387 | 92048 | 07952 | 70338 | 80 |
| 30 | 62968 | 92638 | 07362 | 70330 | 70 |
| 40 | 63550 | 93227 | 06773 | 70322 | 60 |
| 50 | 64131 | 93817 | 06183 | 70314 | 50 |
| 60 | 64713 | 94406 | 05594 | 70306 | 40 |
| 70 | 65294 | 94996 | 05004 | 70298 | 30 |
| 80 | 65875 | 95585 | 04415 | 70290 | 20 |
| 90 | 66457 | 96174 | 03826 | 70282 | 10 |
| **44 oo** | 67038 | 96763 | 03237 | 70274 | **56 oo** |
| 10 | 67619 | 97352 | 02648 | 70266 | 90 |
| 20 | 68200 | 97941 | 02059 | 70258 | 80 |
| 30 | 68781 | 98530 | 01470 | 70250 | 70 |
| 40 | 69361 | 99119 | 00881 | 70242 | 60 |
| 50 | 69942 | 99708 | 00292 | 70234 | 50 |
| 60 | 70523 | *00296 | *99704 | 70226 | 40 |
| 70 | 71103 | *00885 | *99115 | 70218 | 30 |
| 80 | 71684 | *01473 | *98527 | 70210 | 20 |
| 90 | 72264 | *02062 | *97938 | 70202 | 10 |
| **45 oo** | 72844 | *02650 | *97350 | 70194 | **55 oo** |
| | **9.06** | ***9.07** | ***0.92** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 580 | 588 | 588 | 8 | **92g** |

| 7g | 581 | 589 | 589 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.06** | **9.07** | **0.92** | **9.99** | |
| **45 oo** | 72844 | 02650 | 97350 | 70194 | **55 oo** |
| 10 | 73425 | 03238 | 96762 | 70186 | 90 |
| 20 | 74005 | 03827 | 96173 | 70178 | 80 |
| 30 | 74585 | 04415 | 95585 | 70170 | 70 |
| 40 | 75165 | 05003 | 94997 | 70162 | 60 |
| 50 | 75745 | 05591 | 94409 | 70154 | 50 |
| 60 | 76325 | 06179 | 93821 | 70146 | 40 |
| 70 | 76904 | 06766 | 93234 | 70138 | 30 |
| 80 | 77484 | 07354 | 92646 | 70130 | 20 |
| 90 | 78064 | 07942 | 92058 | 70122 | 10 |
| **46 oo** | 78643 | 08529 | 91471 | 70114 | **54 oo** |
| 10 | 79223 | 09117 | 90883 | 70106 | 90 |
| 20 | 79802 | 09704 | 90296 | 70098 | 80 |
| 30 | 80381 | 10292 | 89708 | 70090 | 70 |
| 40 | 80961 | 10879 | 89121 | 70082 | 60 |
| 50 | 81540 | 11466 | 88534 | 70074 | 50 |
| 60 | 82119 | 12053 | 87947 | 70066 | 40 |
| 70 | 82698 | 12640 | 87360 | 70058 | 30 |
| 80 | 83277 | 13227 | 86773 | 70050 | 20 |
| 90 | 83856 | 13814 | 86186 | 70042 | 10 |
| **47 oo** | 84434 | 14401 | 85599 | 70034 | **53 oo** |
| 10 | 85013 | 14987 | 85013 | 70026 | 90 |
| 20 | 85592 | 15574 | 84426 | 70018 | 80 |
| 30 | 86170 | 16161 | 83839 | 70009 | 70 |
| 40 | 86749 | 16747 | 83253 | 70001 | 60 |
| 50 | 87327 | 17334 | 82666 | 69993 | 50 |
| 60 | 87905 | 17920 | 82080 | 69985 | 40 |
| 70 | 88483 | 18506 | 81494 | 69977 | 30 |
| 80 | 89062 | 19092 | 80908 | 69969 | 20 |
| 90 | 89640 | 19678 | 80322 | 69961 | 10 |
| **48 oo** | 90218 | 20264 | 79736 | 69953 | **52 oo** |
| 10 | 90795 | 20850 | 79150 | 69945 | 90 |
| 20 | 91373 | 21436 | 78564 | 69937 | 80 |
| 30 | 91951 | 22022 | 77978 | 69929 | 70 |
| 40 | 92529 | 22608 | 77392 | 69921 | 60 |
| 50 | 93106 | 23193 | 76807 | 69913 | 50 |
| 60 | 93684 | 23779 | 76221 | 69905 | 40 |
| 70 | 94261 | 24364 | 75636 | 69897 | 30 |
| 80 | 94839 | 24950 | 75050 | 69889 | 20 |
| 90 | 95416 | 25535 | 74465 | 69881 | 10 |
| **49 oo** | 95993 | 26120 | 73880 | 69873 | **51 oo** |
| 10 | 96570 | 26706 | 73294 | 69864 | 90 |
| 20 | 97147 | 27291 | 72709 | 69856 | 80 |
| 30 | 97724 | 27876 | 72124 | 69848 | 70 |
| 40 | 98301 | 28461 | 71539 | 69840 | 60 |
| 50 | 98878 | 29046 | 70954 | 69832 | 50 |
| 60 | 99455 | 29630 | 70370 | 69824 | 40 |
| 70 | *00031 | 30215 | 69785 | 69816 | 30 |
| 80 | *00608 | 30800 | 69200 | 69808 | 20 |
| 90 | *01184 | 31384 | 68616 | 69800 | 10 |
| **50 oo** | *01761 | 31969 | 68031 | 69792 | **50 oo** |
| | ***9.07** | **9.07** | **0.92** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 576 | 584 | 584 | 9 | **92g** |

| | 592 | 591 | 590 | 589 | 588 | 587 | 586 | 585 | 584 | 583 | 582 | 581 | 580 | 579 | 578 | 577 | 576 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 59,2 | 59,1 | 59,0 | 58,9 | 58,8 | 58,7 | 58,6 | 58,5 | 58,4 | 58,3 | 58,2 | 58,1 | 58,0 | 57,9 | 57,8 | 57,7 | 57,6 | 1 |
| 2 | 118,4 | 118,2 | 118,0 | 117,8 | 117,6 | 117,4 | 117,2 | 117,0 | 116,8 | 116,6 | 116,4 | 116,2 | 116,0 | 115,8 | 115,6 | 115,4 | 115,2 | 2 |
| 3 | 177,6 | 177,3 | 177,0 | 176,7 | 176,4 | 176,1 | 175,8 | 175,5 | 175,2 | 174,9 | 174,6 | 174,3 | 174,0 | 173,7 | 173,4 | 173,1 | 172,8 | 3 |
| 4 | 236,8 | 236,4 | 236,0 | 235,6 | 235,2 | 234,8 | 234,4 | 234,0 | 233,6 | 233,2 | 232,8 | 232,4 | 232,0 | 231,6 | 231,2 | 230,8 | 230,4 | 4 |
| 5 | 296,0 | 295,5 | 295,0 | 294,5 | 294,0 | 293,5 | 293,0 | 292,5 | 292,0 | 291,5 | 291,0 | 290,5 | 290,0 | 289,5 | 289,0 | 288,5 | 288,0 | 5 |
| 6 | 355,2 | 354,6 | 354,0 | 353,4 | 352,8 | 352,2 | 351,6 | 351,0 | 350,4 | 349,8 | 349,2 | 348,6 | 348,0 | 347,4 | 346,8 | 346,2 | 345,6 | 6 |
| 7 | 414,4 | 413,7 | 413,0 | 412,3 | 411,6 | 410,9 | 410,2 | 409,5 | 408,8 | 408,1 | 407,4 | 406,7 | 406,0 | 405,3 | 404,6 | 403,9 | 403,2 | 7 |
| 8 | 473,6 | 472,8 | 472,0 | 471,2 | 470,4 | 469,6 | 468,8 | 468,0 | 467,2 | 466,4 | 465,6 | 464,8 | 464,0 | 463,2 | 462,4 | 461,6 | 460,8 | 8 |
| 9 | 532,8 | 531,9 | 531,0 | 530,1 | 529,2 | 528,3 | 527,4 | 526,5 | 525,6 | 524,7 | 523,8 | 522,9 | 522,0 | 521,1 | 520,2 | 519,3 | 518,4 | 9 |

| 7g | 577 | 585 | 585 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.07** | **9.07** | **0.92** | **9.99** | |
| **50 oo** | 01761 | 31969 | 68031 | 69792 | **50 oo** |
| 10 | 02337 | 32553 | 67447 | 69784 | 90 |
| 20 | 02913 | 33138 | 66862 | 69776 | 80 |
| 30 | 03489 | 33722 | 66278 | 69768 | 70 |
| 40 | 04066 | 34306 | 65694 | 69760 | 60 |
| 50 | 04642 | 34890 | 65110 | 69751 | 50 |
| 60 | 05218 | 35474 | 64526 | 69743 | 40 |
| 70 | 05793 | 36058 | 63942 | 69735 | 30 |
| 80 | 06369 | 36642 | 63358 | 69727 | 20 |
| 90 | 06945 | 37226 | 62774 | 69719 | 10 |
| **51 oo** | 07521 | 37810 | 62190 | 69711 | **49 oo** |
| 10 | 08096 | 38393 | 61607 | 69703 | 90 |
| 20 | 08672 | 38977 | 61023 | 69695 | 80 |
| 30 | 09247 | 39560 | 60440 | 69687 | 70 |
| 40 | 09822 | 40144 | 59856 | 69679 | 60 |
| 50 | 10398 | 40727 | 59273 | 69671 | 50 |
| 60 | 10973 | 41310 | 58690 | 69663 | 40 |
| 70 | 11548 | 41893 | 58107 | 69654 | 30 |
| 80 | 12123 | 42477 | 57523 | 69646 | 20 |
| 90 | 12698 | 43060 | 56940 | 69638 | 10 |
| **52 oo** | 13273 | 43643 | 56357 | 69630 | **48 oo** |
| 10 | 13848 | 44225 | 55775 | 69622 | 90 |
| 20 | 14422 | 44808 | 55192 | 69614 | 80 |
| 30 | 14997 | 45391 | 54609 | 69606 | 70 |
| 40 | 15571 | 45974 | 54026 | 69598 | 60 |
| 50 | 16146 | 46556 | 53444 | 69590 | 50 |
| 60 | 16720 | 47139 | 52861 | 69582 | 40 |
| 70 | 17295 | 47721 | 52279 | 69573 | 30 |
| 80 | 17869 | 48304 | 51696 | 69565 | 20 |
| 90 | 18443 | 48886 | 51114 | 69557 | 10 |
| **53 oo** | 19017 | 49468 | 50532 | 69549 | **47 oo** |
| 10 | 19591 | 50050 | 49950 | 69541 | 90 |
| 20 | 20165 | 50632 | 49368 | 69533 | 80 |
| 30 | 20739 | 51214 | 48786 | 69525 | 70 |
| 40 | 21313 | 51796 | 48204 | 69517 | 60 |
| 50 | 21887 | 52378 | 47622 | 69509 | 50 |
| 60 | 22460 | 52960 | 47040 | 69500 | 40 |
| 70 | 23034 | 53541 | 46459 | 69492 | 30 |
| 80 | 23607 | 54123 | 45877 | 69484 | 20 |
| 90 | 24181 | 54704 | 45296 | 69476 | 10 |
| **54 oo** | 24754 | 55286 | 44714 | 69468 | **46 oo** |
| 10 | 25327 | 55867 | 44133 | 69460 | 90 |
| 20 | 25900 | 56449 | 43551 | 69452 | 80 |
| 30 | 26474 | 57030 | 42970 | 69444 | 70 |
| 40 | 27047 | 57611 | 42389 | 69436 | 60 |
| 50 | 27619 | 58192 | 41808 | 69427 | 50 |
| 60 | 28192 | 58773 | 41227 | 69419 | 40 |
| 70 | 28765 | 59354 | 40646 | 69411 | 30 |
| 80 | 29338 | 59935 | 40065 | 69403 | 20 |
| 90 | 29911 | 60516 | 39484 | 69395 | 10 |
| **55 oo** | 30483 | 61096 | 38904 | 69387 | **45 oo** |
| | **9.07** | **9.07** | **0.92** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 572 | 580 | 580 | 9 | |

| 7g | 573 | 581 | 581 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.07** | **9.07** | **0.92** | **9.99** | |
| **55 oo** | 30483 | 61096 | 38904 | 69387 | **45 oo** |
| 10 | 31056 | 61677 | 38323 | 69379 | 90 |
| 20 | 31628 | 62257 | 37743 | 69371 | 80 |
| 30 | 32200 | 62838 | 37162 | 69362 | 70 |
| 40 | 32773 | 63418 | 36582 | 69354 | 60 |
| 50 | 33345 | 63999 | 36001 | 69346 | 50 |
| 60 | 33917 | 64579 | 35421 | 69338 | 40 |
| 70 | 34489 | 65159 | 34841 | 69330 | 30 |
| 80 | 35061 | 65739 | 34261 | 69322 | 20 |
| 90 | 35633 | 66319 | 33681 | 69314 | 10 |
| **56 oo** | 36204 | 66899 | 33101 | 69305 | **44 oo** |
| 10 | 36776 | 67479 | 32521 | 69297 | 90 |
| 20 | 37348 | 68059 | 31941 | 69289 | 80 |
| 30 | 37919 | 68638 | 31362 | 69281 | 70 |
| 40 | 38491 | 69218 | 30782 | 69273 | 60 |
| 50 | 39062 | 69798 | 30202 | 69265 | 50 |
| 60 | 39634 | 70377 | 29623 | 69257 | 40 |
| 70 | 40205 | 70956 | 29044 | 69248 | 30 |
| 80 | 40776 | 71536 | 28464 | 69240 | 20 |
| 90 | 41347 | 72115 | 27885 | 69232 | 10 |
| **57 oo** | 41918 | 72694 | 27306 | 69224 | **43 oo** |
| 10 | 42489 | 73273 | 26727 | 69216 | 90 |
| 20 | 43060 | 73852 | 26148 | 69208 | 80 |
| 30 | 43631 | 74431 | 25569 | 69200 | 70 |
| 40 | 44202 | 75010 | 24990 | 69191 | 60 |
| 50 | 44772 | 75589 | 24411 | 69183 | 50 |
| 60 | 45343 | 76168 | 23832 | 69175 | 40 |
| 70 | 45913 | 76746 | 23254 | 69167 | 30 |
| 80 | 46484 | 77325 | 22675 | 69159 | 20 |
| 90 | 47054 | 77904 | 22096 | 69151 | 10 |
| **58 oo** | 47624 | 78482 | 21518 | 69142 | **42 oo** |
| 10 | 48195 | 79060 | 20940 | 69134 | 90 |
| 20 | 48765 | 79639 | 20361 | 69126 | 80 |
| 30 | 49335 | 80217 | 19783 | 69118 | 70 |
| 40 | 49905 | 80795 | 19205 | 69110 | 60 |
| 50 | 50475 | 81373 | 18627 | 69102 | 50 |
| 60 | 51045 | 81951 | 18049 | 69093 | 40 |
| 70 | 51614 | 82529 | 17471 | 69085 | 30 |
| 80 | 52184 | 83107 | 16893 | 69077 | 20 |
| 90 | 52754 | 83685 | 16315 | 69069 | 10 |
| **59 oo** | 53323 | 84262 | 15738 | 69061 | **41 oo** |
| 10 | 53892 | 84840 | 15160 | 69053 | 90 |
| 20 | 54462 | 85417 | 14583 | 69044 | 80 |
| 30 | 55031 | 85995 | 14005 | 69036 | 70 |
| 40 | 55600 | 86572 | 13428 | 69028 | 60 |
| 50 | 56169 | 87150 | 12850 | 69020 | 50 |
| 60 | 56739 | 87727 | 12273 | 69012 | 40 |
| 70 | 57308 | 88304 | 11696 | 69004 | 30 |
| 80 | 57876 | 88881 | 11119 | 68995 | 20 |
| 90 | 58445 | 89458 | 10542 | 68987 | 10 |
| **60 oo** | 59014 | 90035 | 09965 | 68979 | **40 oo** |
| | **9.07** | **9.07** | **0.92** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 568 | 577 | 577 | 9 | |

| | 585 | 584 | 583 | 582 | 581 | 580 | 579 | 578 | 577 | 576 | 575 | 574 | 573 | 572 | 571 | 570 | 569 | 568 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 58,5 | 58,4 | 58,3 | 58,2 | 58,1 | 58,0 | 57,9 | 57,8 | 57,7 | 57,6 | 57,5 | 57,4 | 57,3 | 57,2 | 57,1 | 57,0 | 56,9 | 56,8 | 1 |
| 2 | 117,0 | 116,8 | 116,6 | 116,4 | 116,2 | 116,0 | 115,8 | 115,6 | 115,4 | 115,2 | 115,0 | 114,8 | 114,6 | 114,4 | 114,2 | 114,0 | 113,8 | 113,6 | 2 |
| 3 | 175,5 | 175,2 | 174,9 | 174,6 | 174,3 | 174,0 | 173,7 | 173,4 | 173,1 | 172,8 | 172,5 | 172,2 | 171,9 | 171,6 | 171,3 | 171,0 | 170,7 | 170,4 | 3 |
| 4 | 234,0 | 233,6 | 233,2 | 232,8 | 232,4 | 232,0 | 231,6 | 231,2 | 230,8 | 230,4 | 230,0 | 229,6 | 229,2 | 228,8 | 228,4 | 228,0 | 227,6 | 227,2 | 4 |
| 5 | 292,5 | 292,0 | 291,5 | 291,0 | 290,5 | 290,0 | 289,5 | 289,0 | 288,5 | 288,0 | 287,5 | 287,0 | 286,5 | 286,0 | 285,5 | 285,0 | 284,5 | 284,0 | 5 |
| 6 | 351,0 | 350,4 | 349,8 | 349,2 | 348,6 | 348,0 | 347,4 | 346,8 | 346,2 | 345,6 | 345,0 | 344,4 | 343,8 | 343,2 | 342,6 | 342,0 | 341,4 | 340,8 | 6 |
| 7 | 409,5 | 408,8 | 408,1 | 407,4 | 406,7 | 406,0 | 405,3 | 404,6 | 403,9 | 403,2 | 402,5 | 401,8 | 401,1 | 400,4 | 399,7 | 399,0 | 398,3 | 397,6 | 7 |
| 8 | 468,0 | 467,2 | 466,4 | 465,6 | 464,8 | 464,0 | 463,2 | 462,4 | 461,6 | 460,8 | 460,0 | 459,2 | 458,4 | 457,6 | 456,8 | 456,0 | 455,2 | 454,4 | 8 |
| 9 | 526,5 | 525,6 | 524,7 | 523,8 | 522,9 | 522,0 | 521,1 | 520,2 | 519,3 | 518,4 | 517,5 | 516,6 | 515,7 | 514,8 | 513,9 | 513,0 | 512,1 | 511,2 | 9 |

| 7g | 569 | 577 | 577 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.07** | ***9.07** | ***0.92** | **9.99** | |
| **60 oo** | 59014 | *90035 | *09965 | 68979 | **40 oo** |
| 10 | 59583 | *90612 | *09388 | 68971 | 90 |
| 20 | 60151 | *91189 | *08811 | 68963 | 80 |
| 30 | 60720 | *91765 | *08235 | 68954 | 70 |
| 40 | 61288 | *92342 | *07658 | 68946 | 60 |
| 50 | 61857 | *92919 | *07081 | 68938 | 50 |
| 60 | 62425 | *93495 | *06505 | 68930 | 40 |
| 70 | 62993 | *94072 | *05928 | 68922 | 30 |
| 80 | 63561 | *94648 | *05352 | 68914 | 20 |
| 90 | 64130 | *95224 | *04776 | 68905 | 10 |
| **61 oo** | 64698 | *95800 | *04200 | 68897 | **39 oo** |
| 10 | 65265 | *96377 | *03623 | 68889 | 90 |
| 20 | 65833 | *96953 | *03047 | 68881 | 80 |
| 30 | 66401 | *97529 | *02471 | 68873 | 70 |
| 40 | 66969 | *98104 | *01896 | 68864 | 60 |
| 50 | 67536 | *98680 | *01320 | 68856 | 50 |
| 60 | 68104 | *99256 | *00744 | 68848 | 40 |
| 70 | 68671 | *99832 | *00168 | 68840 | 30 |
| 80 | 69239 | 00407 | 99593 | 68832 | 20 |
| 90 | 69806 | 00983 | 99017 | 68823 | 10 |
| **62 oo** | 70373 | 01558 | 98442 | 68815 | **38 oo** |
| 10 | 70941 | 02134 | 97866 | 68807 | 90 |
| 20 | 71508 | 02709 | 97291 | 68799 | 80 |
| 30 | 72075 | 03284 | 96716 | 68791 | 70 |
| 40 | 72642 | 03859 | 96141 | 68782 | 60 |
| 50 | 73209 | 04434 | 95566 | 68774 | 50 |
| 60 | 73775 | 05009 | 94991 | 68766 | 40 |
| 70 | 74342 | 05584 | 94416 | 68758 | 30 |
| 80 | 74909 | 06159 | 93841 | 68749 | 20 |
| 90 | 75475 | 06734 | 93266 | 68741 | 10 |
| **63 oo** | 76042 | 07309 | 92691 | 68733 | **37 oo** |
| 10 | 76608 | 07883 | 92117 | 68725 | 90 |
| 20 | 77175 | 08458 | 91542 | 68717 | 80 |
| 30 | 77741 | 09033 | 90967 | 68708 | 70 |
| 40 | 78307 | 09607 | 90393 | 68700 | 60 |
| 50 | 78873 | 10181 | 89819 | 68692 | 50 |
| 60 | 79439 | 10756 | 89244 | 68684 | 40 |
| 70 | 80005 | 11330 | 88670 | 68676 | 30 |
| 80 | 80571 | 11904 | 88096 | 68667 | 20 |
| 90 | 81137 | 12478 | 87522 | 68659 | 10 |
| **64 oo** | 81703 | 13052 | 86948 | 68651 | **36 oo** |
| 10 | 82268 | 13626 | 86374 | 68643 | 90 |
| 20 | 82834 | 14200 | 85800 | 68634 | 80 |
| 30 | 83400 | 14773 | 85227 | 68626 | 70 |
| 40 | 83965 | 15347 | 84653 | 68618 | 60 |
| 50 | 84530 | 15921 | 84079 | 68610 | 50 |
| 60 | 85096 | 16494 | 83506 | 68601 | 40 |
| 70 | 85661 | 17068 | 82932 | 68593 | 30 |
| 80 | 86226 | 17641 | 82359 | 68585 | 20 |
| 90 | 86791 | 18214 | 81786 | 68577 | 10 |
| **65 oo** | 87356 | 18788 | 81212 | 68569 | **35 oo** |
| | **9.07** | **9.08** | **0.91** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 565 | 573 | 573 | 9 | |

| 7g | 565 | 573 | 573 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9.07** | **9.08** | **0.91** | **9.99** | |
| **65 oo** | *87356 | 18788 | 81212 | 68569 | **35 oo** |
| 10 | *87921 | 19361 | 80639 | 68560 | 90 |
| 20 | *88486 | 19934 | 80066 | 68552 | 80 |
| 30 | *89051 | 20507 | 79493 | 68544 | 70 |
| 40 | *89615 | 21080 | 78920 | 68536 | 60 |
| 50 | *90180 | 21653 | 78347 | 68527 | 50 |
| 60 | *90745 | 22226 | 77774 | 68519 | 40 |
| 70 | *91309 | 22798 | 77202 | 68511 | 30 |
| 80 | *91874 | 23371 | 76629 | 68503 | 20 |
| 90 | *92438 | 23944 | 76056 | 68494 | 10 |
| **66 oo** | *93002 | 24516 | 75484 | 68486 | **34 oo** |
| 10 | *93566 | 25089 | 74911 | 68478 | 90 |
| 20 | *94130 | 25661 | 74339 | 68470 | 80 |
| 30 | *94694 | 26233 | 73767 | 68461 | 70 |
| 40 | *95258 | 26805 | 73195 | 68453 | 60 |
| 50 | *95822 | 27378 | 72622 | 68445 | 50 |
| 60 | *96386 | 27950 | 72050 | 68437 | 40 |
| 70 | *96950 | 28522 | 71478 | 68428 | 30 |
| 80 | *97514 | 29094 | 70906 | 68420 | 20 |
| 90 | *98077 | 29665 | 70335 | 68412 | 10 |
| **67 oo** | *98641 | 30237 | 69763 | 68404 | **33 oo** |
| 10 | *99204 | 30809 | 69191 | 68395 | 90 |
| 20 | *99768 | 31380 | 68620 | 68387 | 80 |
| 30 | 00331 | 31952 | 68048 | 68379 | 70 |
| 40 | 00894 | 32524 | 67476 | 68371 | 60 |
| 50 | 01457 | 33095 | 66905 | 68362 | 50 |
| 60 | 02020 | 33666 | 66334 | 68354 | 40 |
| 70 | 02583 | 34238 | 65762 | 68346 | 30 |
| 80 | 03146 | 34809 | 65191 | 68337 | 20 |
| 90 | 03709 | 35380 | 64620 | 68329 | 10 |
| **68 oo** | 04272 | 35951 | 64049 | 68321 | **32 oo** |
| 10 | 04835 | 36522 | 63478 | 68313 | 90 |
| 20 | 05397 | 37093 | 62907 | 68304 | 80 |
| 30 | 05960 | 37664 | 62336 | 68296 | 70 |
| 40 | 06522 | 38234 | 61766 | 68288 | 60 |
| 50 | 07085 | 38805 | 61195 | 68280 | 50 |
| 60 | 07647 | 39376 | 60624 | 68271 | 40 |
| 70 | 08209 | 39946 | 60054 | 68263 | 30 |
| 80 | 08771 | 40517 | 59483 | 68255 | 20 |
| 90 | 09333 | 41087 | 58913 | 68246 | 10 |
| **69 oo** | 09896 | 41657 | 58343 | 68238 | **31 oo** |
| 10 | 10457 | 42228 | 57772 | 68230 | 90 |
| 20 | 11019 | 42798 | 57202 | 68222 | 80 |
| 30 | 11581 | 43368 | 56632 | 68213 | 70 |
| 40 | 12143 | 43938 | 56062 | 68205 | 60 |
| 50 | 12705 | 44508 | 55492 | 68197 | 50 |
| 60 | 13266 | 45078 | 54922 | 68188 | 40 |
| 70 | 13828 | 45648 | 54352 | 68180 | 30 |
| 80 | 14389 | 46217 | 53783 | 68172 | 20 |
| 90 | 14951 | 46787 | 53213 | 68164 | 10 |
| **70 oo** | 15512 | 47357 | 52643 | 68155 | **30 oo** |
| | **9.08** | **9.08** | **0.91** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 561 | 569 | 569 | 9 | |

| | 577 | 576 | 575 | 574 | 573 | 572 | 571 | 570 | 569 | 568 | 567 | 566 | 565 | 564 | 563 | 562 | 561 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 57,7 | 57,6 | 57,5 | 57,4 | 57,3 | 57,2 | 57,1 | 57,0 | 56,9 | 56,8 | 56,7 | 56,6 | 56,5 | 56,4 | 56,3 | 56,2 | 56,1 | 1 |
| 2 | 115,4 | 115,2 | 115,0 | 114,8 | 114,6 | 114,4 | 114,2 | 114,0 | 113,8 | 113,6 | 113,4 | 113,2 | 113,0 | 112,8 | 112,6 | 112,4 | 112,2 | 2 |
| 3 | 173,1 | 172,8 | 172,5 | 172,2 | 171,9 | 171,6 | 171,3 | 171,0 | 170,7 | 170,4 | 170,1 | 169,8 | 169,5 | 169,2 | 168,9 | 168,6 | 168,3 | 3 |
| 4 | 230,8 | 230,4 | 230,0 | 229,6 | 229,2 | 228,8 | 228,4 | 228,0 | 227,6 | 227,2 | 226,8 | 226,4 | 226,0 | 225,6 | 225,2 | 224,8 | 224,4 | 4 |
| 5 | 288,5 | 288,0 | 287,5 | 287,0 | 286,5 | 286,0 | 285,5 | 285,0 | 284,5 | 284,0 | 283,5 | 283,0 | 282,5 | 282,0 | 281,5 | 281,0 | 280,5 | 5 |
| 6 | 346,2 | 345,6 | 345,0 | 344,4 | 343,8 | 343,2 | 342,6 | 342,0 | 341,4 | 340,8 | 340,2 | 339,6 | 339,0 | 338,4 | 337,8 | 337,2 | 336,6 | 6 |
| 7 | 403,9 | 403,2 | 402,5 | 401,8 | 401,1 | 400,4 | 399,7 | 399,0 | 398,3 | 397,6 | 396,9 | 396,2 | 395,5 | 394,8 | 394,1 | 393,4 | 392,7 | 7 |
| 8 | 461,6 | 460,8 | 460,0 | 459,2 | 458,4 | 457,6 | 456,8 | 456,0 | 455,2 | 454,4 | 453,6 | 452,8 | 452,0 | 451,2 | 450,4 | 449,6 | 448,8 | 8 |
| 9 | 519,3 | 518,4 | 517,5 | 516,6 | 515,7 | 514,8 | 513,9 | 513,0 | 512,1 | 511,2 | 510,3 | 509,4 | 508,5 | 507,6 | 506,7 | 505,8 | 504,9 | 9 |

| 7g | 561 | 570 | 570 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.08** | **9.08** | **0.91** | **9.99** | |
| **70 oo** | 15512 | 47357 | 52643 | 68155 | **30 oo** |
| 10 | 16073 | 47926 | 52074 | 68147 | 90 |
| 20 | 16634 | 48496 | 51504 | 68139 | 80 |
| 30 | 17195 | 49065 | 50935 | 68130 | 70 |
| 40 | 17756 | 49634 | 50366 | 68122 | 60 |
| 50 | 18317 | 50203 | 49797 | 68114 | 50 |
| 60 | 18878 | 50773 | 49227 | 68106 | 40 |
| 70 | 19439 | 51342 | 48658 | 68097 | 30 |
| 80 | 20000 | 51911 | 48089 | 68089 | 20 |
| 90 | 20560 | 52480 | 47520 | 68081 | 10 |
| **71 oo** | 21121 | 53049 | 46951 | 68072 | **29 oo** |
| 10 | 21681 | 53617 | 46383 | 68064 | 90 |
| 20 | 22242 | 54186 | 45814 | 68056 | 80 |
| 30 | 22802 | 54755 | 45245 | 68047 | 70 |
| 40 | 23362 | 55323 | 44677 | 68039 | 60 |
| 50 | 23923 | 55892 | 44108 | 68031 | 50 |
| 60 | 24483 | 56460 | 43540 | 68022 | 40 |
| 70 | 25043 | 57029 | 42971 | 68014 | 30 |
| 80 | 25603 | 57597 | 42403 | 68006 | 20 |
| 90 | 26163 | 58165 | 41835 | 67998 | 10 |
| **72 oo** | 26722 | 58733 | 41267 | 67989 | **28 oo** |
| 10 | 27282 | 59301 | 40699 | 67981 | 90 |
| 20 | 27842 | 59869 | 40131 | 67973 | 80 |
| 30 | 28402 | 60437 | 39563 | 67964 | 70 |
| 40 | 28961 | 61005 | 38995 | 67956 | 60 |
| 50 | 29521 | 61573 | 38427 | 67948 | 50 |
| 60 | 30080 | 62141 | 37859 | 67939 | 40 |
| 70 | 30639 | 62708 | 37292 | 67931 | 30 |
| 80 | 31199 | 63276 | 36724 | 67923 | 20 |
| 90 | 31758 | 63843 | 36157 | 67914 | 10 |
| **73 oo** | 32317 | 64411 | 35589 | 67906 | **27 oo** |
| 10 | 32876 | 64978 | 35022 | 67898 | 90 |
| 20 | 33435 | 65545 | 34455 | 67889 | 80 |
| 30 | 33994 | 66113 | 33887 | 67881 | 70 |
| 40 | 34552 | 66680 | 33320 | 67873 | 60 |
| 50 | 35111 | 67247 | 32753 | 67864 | 50 |
| 60 | 35670 | 67814 | 32186 | 67856 | 40 |
| 70 | 36228 | 68381 | 31619 | 67848 | 30 |
| 80 | 36787 | 68948 | 31052 | 67839 | 20 |
| 90 | 37345 | 69514 | 30486 | 67831 | 10 |
| **74 oo** | 37904 | 70081 | 29919 | 67823 | **26 oo** |
| 10 | 38462 | 70648 | 29352 | 67814 | 90 |
| 20 | 39020 | 71214 | 28786 | 67806 | 80 |
| 30 | 39578 | 71781 | 28219 | 67798 | 70 |
| 40 | 40137 | 72347 | 27653 | 67789 | 60 |
| 50 | 40695 | 72914 | 27086 | 67781 | 50 |
| 60 | 41253 | 73480 | 26520 | 67773 | 40 |
| 70 | 41810 | 74046 | 25954 | 67764 | 30 |
| 80 | 42368 | 74612 | 25388 | 67756 | 20 |
| 90 | 42926 | 75178 | 24822 | 67748 | 10 |
| **75 oo** | 43484 | 75744 | 24256 | 67739 | **25 oo** |
| | **9.08** | **9.08** | **0.91** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 557 | 566 | 566 | 9 | |

| 7g | 558 | 566 | 566 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.08** | **9.08** | **0.91** | **9.99** | |
| **75 oo** | 43484 | 75744 | 24256 | 67739 | **25 oo** |
| 10 | 44041 | 76310 | 23690 | 67731 | 90 |
| 20 | 44599 | 76876 | 23124 | 67723 | 80 |
| 30 | 45156 | 77442 | 22558 | 67714 | 70 |
| 40 | 45713 | 78007 | 21993 | 67706 | 60 |
| 50 | 46271 | 78573 | 21427 | 67698 | 50 |
| 60 | 46828 | 79139 | 20861 | 67689 | 40 |
| 70 | 47385 | 79704 | 20296 | 67681 | 30 |
| 80 | 47942 | 80270 | 19730 | 67673 | 20 |
| 90 | 48499 | 80835 | 19165 | 67664 | 10 |
| **76 oo** | 49056 | 81400 | 18600 | 67656 | **24 oo** |
| 10 | 49613 | 81965 | 18035 | 67647 | 90 |
| 20 | 50170 | 82531 | 17469 | 67639 | 80 |
| 30 | 50726 | 83096 | 16904 | 67631 | 70 |
| 40 | 51283 | 83661 | 16339 | 67622 | 60 |
| 50 | 51840 | 84225 | 15775 | 67614 | 50 |
| 60 | 52396 | 84790 | 15210 | 67606 | 40 |
| 70 | 52952 | 85355 | 14645 | 67597 | 30 |
| 80 | 53509 | 85920 | 14080 | 67589 | 20 |
| 90 | 54065 | 86484 | 13516 | 67581 | 10 |
| **77 oo** | 54621 | 87049 | 12951 | 67572 | **23 oo** |
| 10 | 55177 | 87613 | 12387 | 67564 | 90 |
| 20 | 55733 | 88178 | 11822 | 67555 | 80 |
| 30 | 56289 | 88742 | 11258 | 67547 | 70 |
| 40 | 56845 | 89307 | 10693 | 67539 | 60 |
| 50 | 57401 | 89871 | 10129 | 67530 | 50 |
| 60 | 57957 | 90435 | 09565 | 67522 | 40 |
| 70 | 58513 | 90999 | 09001 | 67514 | 30 |
| 80 | 59068 | 91563 | 08437 | 67505 | 20 |
| 90 | 59624 | 92127 | 07873 | 67497 | 10 |
| **78 oo** | 60179 | 92691 | 07309 | 67488 | **22 oo** |
| 10 | 60735 | 93254 | 06746 | 67480 | 90 |
| 20 | 61290 | 93818 | 06182 | 67472 | 80 |
| 30 | 61845 | 94382 | 05618 | 67463 | 70 |
| 40 | 62400 | 94945 | 05055 | 67455 | 60 |
| 50 | 62955 | 95509 | 04491 | 67447 | 50 |
| 60 | 63511 | 96072 | 03928 | 67438 | 40 |
| 70 | 64065 | 96636 | 03364 | 67430 | 30 |
| 80 | 64620 | 97199 | 02801 | 67421 | 20 |
| 90 | 65175 | 97762 | 02238 | 67413 | 10 |
| **79 oo** | 65730 | 98325 | 01675 | 67405 | **21 oo** |
| 10 | 66285 | 98888 | 01112 | 67396 | 90 |
| 20 | 66839 | 99451 | 00549 | 67388 | 80 |
| 30 | 67394 | *00014 | *99986 | 67379 | 70 |
| 40 | 67948 | *00577 | *99423 | 67371 | 60 |
| 50 | 68503 | *01140 | *98860 | 67363 | 50 |
| 60 | 69057 | *01703 | *98297 | 67354 | 40 |
| 70 | 69611 | *02265 | *97735 | 67346 | 30 |
| 80 | 70165 | *02828 | *97172 | 67337 | 20 |
| 90 | 70720 | *03390 | *96610 | 67329 | 10 |
| **80 oo** | 71274 | *03953 | *96047 | 67321 | **20 oo** |
| | **9.08** | ***9.09** | ***0.90** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 554 | 562 | 562 | 9 | |

| | 570 | 569 | 568 | 567 | 566 | 565 | 564 | 563 | 562 | 561 | 560 | 559 | 558 | 557 | 556 | 555 | 554 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 57,0 | 56,9 | 56,8 | 56,7 | 56,6 | 56,5 | 56,4 | 56,3 | 56,2 | 56,1 | 56,0 | 55,9 | 55,8 | 55,7 | 55,6 | 55,5 | 55,4 | 1 |
| 2 | 114,0 | 113,8 | 113,6 | 113,4 | 113,2 | 113,0 | 112,8 | 112,6 | 112,4 | 112,2 | 112,0 | 111,8 | 111,6 | 111,4 | 111,2 | 111,0 | 110,8 | 2 |
| 3 | 171,0 | 170,7 | 170,4 | 170,1 | 169,8 | 169,5 | 169,2 | 168,9 | 168,6 | 168,3 | 168,0 | 167,7 | 167,4 | 167,1 | 166,8 | 166,5 | 166,2 | 3 |
| 4 | 228,0 | 227,6 | 227,2 | 226,8 | 226,4 | 226,0 | 225,6 | 225,2 | 224,8 | 224,4 | 224,0 | 223,6 | 223,2 | 222,8 | 222,4 | 222,0 | 221,6 | 4 |
| 5 | 285,0 | 284,5 | 284,0 | 283,5 | 283,0 | 282,5 | 282,0 | 281,5 | 281,0 | 280,5 | 280,0 | 279,5 | 279,0 | 278,5 | 278,0 | 277,5 | 277,0 | 5 |
| 6 | 342,0 | 341,4 | 340,8 | 340,2 | 339,6 | 339,0 | 338,4 | 337,8 | 337,2 | 336,6 | 336,0 | 335,4 | 334,8 | 334,2 | 333,6 | 333,0 | 332,4 | 6 |
| 7 | 399,0 | 398,3 | 397,6 | 396,9 | 396,2 | 395,5 | 394,8 | 394,1 | 393,4 | 392,7 | 392,0 | 391,3 | 390,6 | 389,9 | 389,2 | 388,5 | 387,8 | 7 |
| 8 | 456,0 | 455,2 | 454,4 | 453,6 | 452,8 | 452,0 | 451,2 | 450,4 | 449,6 | 448,8 | 448,0 | 447,2 | 446,4 | 445,6 | 444,8 | 444,0 | 443,2 | 8 |
| 9 | 513,0 | 512,1 | 511,2 | 510,3 | 509,4 | 508,5 | 507,6 | 506,7 | 505,8 | 504,9 | 504,0 | 503,1 | 502,2 | 501,3 | 500,4 | 499,5 | 498,6 | 9 |

| 7g | 554 | 563 | 563 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.08** | **9.09** | **0.90** | **9.99** | |
| **80 oo** | 71274 | 03953 | 96047 | 67321 | **20 oo** |
| 10 | 71828 | 04515 | 95485 | 67312 | 90 |
| 20 | 72381 | 05078 | 94922 | 67304 | 80 |
| 30 | 72935 | 05640 | 94360 | 67295 | 70 |
| 40 | 73489 | 06202 | 93798 | 67287 | 60 |
| 50 | 74043 | 06764 | 93236 | 67279 | 50 |
| 60 | 74596 | 07326 | 92674 | 67270 | 40 |
| 70 | 75150 | 07888 | 92112 | 67262 | 30 |
| 80 | 75703 | 08450 | 91550 | 67253 | 20 |
| 90 | 76257 | 09012 | 90988 | 67245 | 10 |
| **81 oo** | 76810 | 09573 | 90427 | 67237 | **19 oo** |
| 10 | 77363 | 10135 | 89865 | 67228 | 90 |
| 20 | 77916 | 10697 | 89303 | 67220 | 80 |
| 30 | 78469 | 11258 | 88742 | 67211 | 70 |
| 40 | 79023 | 11820 | 88180 | 67203 | 60 |
| 50 | 79575 | 12381 | 87619 | 67195 | 50 |
| 60 | 80128 | 12942 | 87058 | 67186 | 40 |
| 70 | 80681 | 13503 | 86497 | 67178 | 30 |
| 80 | 81234 | 14065 | 85935 | 67169 | 20 |
| 90 | 81787 | 14626 | 85374 | 67161 | 10 |
| **82 oo** | 82339 | 15187 | 84813 | 67152 | **18 oo** |
| 10 | 82892 | 15748 | 84252 | 67144 | 90 |
| 20 | 83444 | 16309 | 83691 | 67136 | 80 |
| 30 | 83997 | 16869 | 83131 | 67127 | 70 |
| 40 | 84549 | 17430 | 82570 | 67119 | 60 |
| 50 | 85101 | 17991 | 82009 | 67110 | 50 |
| 60 | 85653 | 18551 | 81449 | 67102 | 40 |
| 70 | 86205 | 19112 | 80888 | 67093 | 30 |
| 80 | 86757 | 19672 | 80328 | 67085 | 20 |
| 90 | 87309 | 20233 | 79767 | 67077 | 10 |
| **83 oo** | 87861 | 20793 | 79207 | 67068 | **17 oo** |
| 10 | 88413 | 21353 | 78647 | 67060 | 90 |
| 20 | 88965 | 21914 | 78086 | 67051 | 80 |
| 30 | 89517 | 22474 | 77526 | 67043 | 70 |
| 40 | 90068 | 23034 | 76966 | 67034 | 60 |
| 50 | 90620 | 23594 | 76406 | 67026 | 50 |
| 60 | 91171 | 24154 | 75846 | 67018 | 40 |
| 70 | 91723 | 24713 | 75287 | 67009 | 30 |
| 80 | 92274 | 25273 | 74727 | 67001 | 20 |
| 90 | 92825 | 25833 | 74167 | 66992 | 10 |
| **84 oo** | 93376 | 26392 | 73608 | 66984 | **16 oo** |
| 10 | 93927 | 26952 | 73048 | 66975 | 90 |
| 20 | 94478 | 27512 | 72488 | 66967 | 80 |
| 30 | 95029 | 28071 | 71929 | 66958 | 70 |
| 40 | 95580 | 28630 | 71370 | 66950 | 60 |
| 50 | 96131 | 29190 | 70810 | 66942 | 50 |
| 60 | 96682 | 29749 | 70251 | 66933 | 40 |
| 70 | 97233 | 30308 | 69692 | 66925 | 30 |
| 80 | 97783 | 30867 | 69133 | 66916 | 20 |
| 90 | 98334 | 31426 | 68574 | 66908 | 10 |
| **85 oo** | 98884 | 31985 | 68015 | 66899 | **15 oo** |
| | **9.08** | **9.09** | **0.90** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 550 | 559 | 559 | 9 | |

| 7g | 551 | 559 | 559 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.08 | **9.09** | **0.90** | **9.99** | |
| **85 oo** | *98884 | 31985 | 68015 | 66899 | **15 oo** |
| 10 | *99435 | 32544 | 67456 | 66891 | 90 |
| 20 | *99985 | 33103 | 66897 | 66882 | 80 |
| 30 | 00535 | 33661 | 66339 | 66874 | 70 |
| 40 | 01085 | 34220 | 65780 | 66865 | 60 |
| 50 | 01635 | 34778 | 65222 | 66857 | 50 |
| 60 | 02186 | 35337 | 64663 | 66849 | 40 |
| 70 | 02736 | 35895 | 64105 | 66840 | 30 |
| 80 | 03285 | 36454 | 63546 | 66832 | 20 |
| 90 | 03835 | 37012 | 62988 | 66823 | 10 |
| **86 oo** | 04385 | 37570 | 62430 | 66815 | **14 oo** |
| 10 | 04935 | 38128 | 61872 | 66806 | 90 |
| 20 | 05484 | 38687 | 61313 | 66798 | 80 |
| 30 | 06034 | 39245 | 60755 | 66789 | 70 |
| 40 | 06583 | 39803 | 60197 | 66781 | 60 |
| 50 | 07133 | 40360 | 59640 | 66772 | 50 |
| 60 | 07682 | 40918 | 59082 | 66764 | 40 |
| 70 | 08231 | 41476 | 58524 | 66755 | 30 |
| 80 | 08781 | 42034 | 57966 | 66747 | 20 |
| 90 | 09330 | 42591 | 57409 | 66738 | 10 |
| **87 oo** | 09879 | 43149 | 56851 | 66730 | **13 oo** |
| 10 | 10428 | 43706 | 56294 | 66722 | 90 |
| 20 | 10977 | 44264 | 55736 | 66713 | 80 |
| 30 | 11525 | 44821 | 55179 | 66705 | 70 |
| 40 | 12074 | 45378 | 54622 | 66696 | 60 |
| 50 | 12623 | 45935 | 54065 | 66688 | 50 |
| 60 | 13172 | 46492 | 53508 | 66679 | 40 |
| 70 | 13720 | 47050 | 52950 | 66671 | 30 |
| 80 | 14269 | 47607 | 52393 | 66662 | 20 |
| 90 | 14817 | 48163 | 51837 | 66654 | 10 |
| **88 oo** | 15365 | 48720 | 51280 | 66645 | **12 oo** |
| 10 | 15914 | 49277 | 50723 | 66637 | 90 |
| 20 | 16462 | 49834 | 50166 | 66628 | 80 |
| 30 | 17010 | 50390 | 49610 | 66620 | 70 |
| 40 | 17558 | 50947 | 49053 | 66611 | 60 |
| 50 | 18106 | 51503 | 48497 | 66603 | 50 |
| 60 | 18654 | 52060 | 47940 | 66594 | 40 |
| 70 | 19202 | 52616 | 47384 | 66586 | 30 |
| 80 | 19750 | 53172 | 46828 | 66577 | 20 |
| 90 | 20297 | 53729 | 46271 | 66569 | 10 |
| **89 oo** | 20845 | 54285 | 45715 | 66560 | **11 oo** |
| 10 | 21393 | 54841 | 45159 | 66552 | 90 |
| 20 | 21940 | 55397 | 44603 | 66543 | 80 |
| 30 | 22488 | 55953 | 44047 | 66535 | 70 |
| 40 | 23035 | 56509 | 43491 | 66526 | 60 |
| 50 | 23582 | 57065 | 42935 | 66518 | 50 |
| 60 | 24130 | 57620 | 42380 | 66509 | 40 |
| 70 | 24677 | 58176 | 41824 | 66501 | 30 |
| 80 | 25224 | 58732 | 41268 | 66492 | 20 |
| 90 | 25771 | 59287 | 40713 | 66484 | 10 |
| **90 oo** | 26318 | 59843 | 40157 | 66475 | **10 oo** |
| | **9.09** | **9.09** | **0.90** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **92g** |
| | 547 | 555 | 555 | 9 | |

| | 563 | 562 | 561 | 560 | 559 | 558 | 557 | 556 | 555 | 554 | 553 | 552 | 551 | 550 | 549 | 548 | 547 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 56,3 | 56,2 | 56,1 | 56,0 | 55,9 | 55,8 | 55,7 | 55,6 | 55,5 | 55,4 | 55,3 | 55,2 | 55,1 | 55,0 | 54,9 | 54,8 | 54,7 | 1 |
| 2 | 112,6 | 112,4 | 112,2 | 112,0 | 111,8 | 111,6 | 111,4 | 111,2 | 111,0 | 110,8 | 110,6 | 110,4 | 110,2 | 110,0 | 109,8 | 109,6 | 109,4 | 2 |
| 3 | 168,9 | 168,6 | 168,3 | 168,0 | 167,7 | 167,4 | 167,1 | 166,8 | 166,5 | 166,2 | 165,9 | 165,6 | 165,3 | 165,0 | 164,7 | 164,4 | 164,1 | 3 |
| 4 | 225,2 | 224,8 | 224,4 | 224,0 | 223,6 | 223,2 | 222,8 | 222,4 | 222,0 | 221,6 | 221,2 | 220,8 | 220,4 | 220,0 | 219,6 | 219,2 | 218,8 | 4 |
| 5 | 281,5 | 281,0 | 280,5 | 280,0 | 279,5 | 279,0 | 278,5 | 278,0 | 277,5 | 277,0 | 276,5 | 276,0 | 275,5 | 275,0 | 274,5 | 274,0 | 273,5 | 5 |
| 6 | 337,8 | 337,2 | 336,6 | 336,0 | 335,4 | 334,8 | 334,2 | 333,6 | 333,0 | 332,4 | 331,8 | 331,2 | 330,6 | 330,0 | 329,4 | 328,8 | 328,2 | 6 |
| 7 | 394,1 | 393,4 | 392,7 | 392,0 | 391,3 | 390,6 | 389,9 | 389,2 | 388,5 | 387,8 | 387,1 | 386,4 | 385,7 | 385,0 | 384,3 | 383,6 | 382,9 | 7 |
| 8 | 450,4 | 449,6 | 448,8 | 448,0 | 447,2 | 446,4 | 445,6 | 444,8 | 444,0 | 443,2 | 442,4 | 441,6 | 440,8 | 440,0 | 439,2 | 438,4 | 437,6 | 8 |
| 9 | 506,7 | 505,8 | 504,9 | 504,0 | 503,1 | 502,2 | 501,3 | 500,4 | 499,5 | 498,6 | 497,7 | 496,8 | 495,9 | 495,0 | 494,1 | 493,2 | 492,3 | 9 |

| 7g | 547 | 556 | 556 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.09** | **9.09** | **0.90** | **9.99** | |
| **90 oo** | 26318 | 59843 | 40157 | 66475 | **10 oo** |
| 10 | 26865 | 60398 | 39602 | 66467 | 90 |
| 20 | 27411 | 60953 | 39047 | 66458 | 80 |
| 30 | 27958 | 61509 | 38491 | 66450 | 70 |
| 40 | 28505 | 62064 | 37936 | 66441 | 60 |
| 50 | 29051 | 62619 | 37381 | 66433 | 50 |
| 60 | 29598 | 63174 | 36826 | 66424 | 40 |
| 70 | 30144 | 63729 | 36271 | 66416 | 30 |
| 80 | 30691 | 64284 | 35716 | 66407 | 20 |
| 90 | 31237 | 64839 | 35161 | 66399 | 10 |
| **91 oo** | 31783 | 65393 | 34607 | 66390 | **09 oo** |
| 10 | 32330 | 65948 | 34052 | 66382 | 90 |
| 20 | 32876 | 66503 | 33497 | 66373 | 80 |
| 30 | 33422 | 67057 | 32943 | 66365 | 70 |
| 40 | 33968 | 67612 | 32388 | 66356 | 60 |
| 50 | 34514 | 68166 | 31834 | 66347 | 50 |
| 60 | 35059 | 68721 | 31279 | 66339 | 40 |
| 70 | 35605 | 69275 | 30725 | 66330 | 30 |
| 80 | 36151 | 69829 | 30171 | 66322 | 20 |
| 90 | 36697 | 70383 | 29617 | 66313 | 10 |
| **92 oo** | 37242 | 70937 | 29063 | 66305 | **08 oo** |
| 10 | 37788 | 71491 | 28509 | 66296 | 90 |
| 20 | 38333 | 72045 | 27955 | 66288 | 80 |
| 30 | 38878 | 72599 | 27401 | 66279 | 70 |
| 40 | 39424 | 73153 | 26847 | 66271 | 60 |
| 50 | 39969 | 73707 | 26293 | 66262 | 50 |
| 60 | 40514 | 74260 | 25740 | 66254 | 40 |
| 70 | 41059 | 74814 | 25186 | 66245 | 30 |
| 80 | 41604 | 75367 | 24633 | 66237 | 20 |
| 90 | 42149 | 75921 | 24079 | 66228 | 10 |
| **93 oo** | 42694 | 76474 | 23526 | 66219 | **07 oo** |
| 10 | 43239 | 77028 | 22972 | 66211 | 90 |
| 20 | 43783 | 77581 | 22419 | 66202 | 80 |
| 30 | 44328 | 78134 | 21866 | 66194 | 70 |
| 40 | 44873 | 78687 | 21313 | 66185 | 60 |
| 50 | 45417 | 79240 | 20760 | 66177 | 50 |
| 60 | 45962 | 79793 | 20207 | 66168 | 40 |
| 70 | 46506 | 80346 | 19654 | 66160 | 30 |
| 80 | 47050 | 80899 | 19101 | 66151 | 20 |
| 90 | 47594 | 81452 | 18548 | 66143 | 10 |
| **94 oo** | 48139 | 82005 | 17995 | 66134 | **06 oo** |
| 10 | 48683 | 82557 | 17443 | 66125 | 90 |
| 20 | 49227 | 83110 | 16890 | 66117 | 80 |
| 30 | 49771 | 83662 | 16338 | 66108 | 70 |
| 40 | 50315 | 84215 | 15785 | 66100 | 60 |
| 50 | 50858 | 84767 | 15233 | 66091 | 50 |
| 60 | 51402 | 85319 | 14681 | 66083 | 40 |
| 70 | 51946 | 85872 | 14128 | 66074 | 30 |
| 80 | 52489 | 86424 | 13576 | 66066 | 20 |
| 90 | 53033 | 86976 | 13024 | 66057 | 10 |
| **95 oo** | 53576 | 87528 | 12472 | 66048 | **05 oo** |
| | **9.09** | **9.09** | **0.90** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 543 | 552 | 552 | 9 | **92g** |

| 7g | 544 | 552 | 552 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.09** | ***9.09** | ***0.90** | **9.99** | |
| **95 oo** | 53576 | *87528 | *12472 | 66048 | **05 oo** |
| 10 | 54120 | *88080 | *11920 | 66040 | 90 |
| 20 | 54663 | *88632 | *11368 | 66031 | 80 |
| 30 | 55206 | *89184 | *10816 | 66023 | 70 |
| 40 | 55750 | *89736 | *10264 | 66014 | 60 |
| 50 | 56293 | *90287 | *09713 | 66006 | 50 |
| 60 | 56836 | *90839 | *09161 | 65997 | 40 |
| 70 | 57379 | *91390 | *08610 | 65988 | 30 |
| 80 | 57922 | *91942 | *08058 | 65980 | 20 |
| 90 | 58465 | *92493 | *07507 | 65971 | 10 |
| **96 oo** | 59007 | *93045 | *06955 | 65963 | **04 oo** |
| 10 | 59550 | *93596 | *06404 | 65954 | 90 |
| 20 | 60093 | *94147 | *05853 | 65946 | 80 |
| 30 | 60635 | *94698 | *05302 | 65937 | 70 |
| 40 | 61178 | *95249 | *04751 | 65928 | 60 |
| 50 | 61720 | *95800 | *04200 | 65920 | 50 |
| 60 | 62263 | *96351 | *03649 | 65911 | 40 |
| 70 | 62805 | *96902 | *03098 | 65903 | 30 |
| 80 | 63347 | *97453 | *02547 | 65894 | 20 |
| 90 | 63889 | *98004 | *01996 | 65885 | 10 |
| **97 oo** | 64431 | *98555 | *01445 | 65877 | **03 oo** |
| 10 | 64973 | *99105 | *00895 | 65868 | 90 |
| 20 | 65515 | *99656 | *00344 | 65860 | 80 |
| 30 | 66057 | 00206 | 99794 | 65851 | 70 |
| 40 | 66599 | 00757 | 99243 | 65843 | 60 |
| 50 | 67141 | 01307 | 98693 | 65834 | 50 |
| 60 | 67683 | 01857 | 98143 | 65825 | 40 |
| 70 | 68224 | 02407 | 97593 | 65817 | 30 |
| 80 | 68766 | 02958 | 97042 | 65808 | 20 |
| 90 | 69307 | 03508 | 96492 | 65800 | 10 |
| **98 oo** | 69849 | 04058 | 95942 | 65791 | **02 oo** |
| 10 | 70390 | 04608 | 95392 | 65782 | 90 |
| 20 | 70931 | 05157 | 94843 | 65774 | 80 |
| 30 | 71472 | 05707 | 94293 | 65765 | 70 |
| 40 | 72014 | 06257 | 93743 | 65757 | 60 |
| 50 | 72555 | 06807 | 93193 | 65748 | 50 |
| 60 | 73096 | 07356 | 92644 | 65739 | 40 |
| 70 | 73637 | 07906 | 92094 | 65731 | 30 |
| 80 | 74177 | 08455 | 91545 | 65722 | 20 |
| 90 | 74718 | 09005 | 90995 | 65714 | 10 |
| **99 oo** | 75259 | 09554 | 90446 | 65705 | **01 oo** |
| 10 | 75800 | 10103 | 89897 | 65696 | 90 |
| 20 | 76340 | 10652 | 89348 | 65688 | 80 |
| 30 | 76881 | 11202 | 88798 | 65679 | 70 |
| 40 | 77421 | 11751 | 88249 | 65671 | 60 |
| 50 | 77962 | 12300 | 87700 | 65662 | 50 |
| 60 | 78502 | 12849 | 87151 | 65653 | 40 |
| 70 | 79042 | 13397 | 86603 | 65645 | 30 |
| 80 | 79582 | 13946 | 86054 | 65636 | 20 |
| 90 | 80122 | 14495 | 85505 | 65627 | 10 |
| **100 oo** | 80662 | 15044 | 84956 | 65619 | **00 oo** |
| | **9.09** | **9.10** | **0.89** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 540 | 548 | 548 | 9 | **92g** |

| | 556 | 555 | 554 | 553 | 552 | 551 | 550 | 549 | 548 | 547 | 546 | 545 | 544 | 543 | 542 | 541 | 540 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55,6 | 55,5 | 55,4 | 55,3 | 55,2 | 55,1 | 55,0 | 54,9 | 54,8 | 54,7 | 54,6 | 54,5 | 54,4 | 54,3 | 54,2 | 54,1 | 54,0 | 1 |
| 2 | 111,2 | 111,0 | 110,8 | 110,6 | 110,4 | 110,2 | 110,0 | 109,8 | 109,6 | 109,4 | 109,2 | 109,0 | 108,8 | 108,6 | 108,4 | 108,2 | 108,0 | 2 |
| 3 | 166,8 | 166,5 | 166,2 | 165,9 | 165,6 | 165,3 | 165,0 | 164,7 | 164,4 | 164,1 | 163,8 | 163,5 | 163,2 | 162,9 | 162,6 | 162,3 | 162,0 | 3 |
| 4 | 222,4 | 222,0 | 221,6 | 221,2 | 220,8 | 220,4 | 220,0 | 219,6 | 219,2 | 218,8 | 218,4 | 218,0 | 217,6 | 217,2 | 216,8 | 216,4 | 216,0 | 4 |
| 5 | 278,0 | 277,5 | 277,0 | 276,5 | 276,0 | 275,5 | 275,0 | 274,5 | 274,0 | 273,5 | 273,0 | 272,5 | 272,0 | 271,5 | 271,0 | 270,5 | 270,0 | 5 |
| 6 | 333,6 | 333,0 | 332,4 | 331,8 | 331,2 | 330,6 | 330,0 | 329,4 | 328,8 | 328,2 | 327,6 | 327,0 | 326,4 | 325,8 | 325,2 | 324,6 | 324,0 | 6 |
| 7 | 389,2 | 388,5 | 387,8 | 387,1 | 386,4 | 385,7 | 385,0 | 384,3 | 383,6 | 382,9 | 382,2 | 381,5 | 380,8 | 380,1 | 379,4 | 378,7 | 378,0 | 7 |
| 8 | 444,8 | 444,0 | 443,2 | 442,4 | 441,6 | 440,8 | 440,0 | 439,2 | 438,4 | 437,6 | 436,8 | 436,0 | 435,2 | 434,4 | 433,6 | 432,8 | 432,0 | 8 |
| 9 | 500,4 | 499,5 | 498,6 | 497,7 | 496,8 | 495,9 | 495,0 | 494,1 | 493,2 | 492,3 | 491,4 | 490,5 | 489,6 | 488,7 | 487,8 | 486,9 | 486,0 | 9 |

| $8^g$ | 540 | 549 | 549 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.09** | **9.10** | **0.89** | **9.99** | |
| **00 oo** | 80662 | 15044 | 84956 | 65619 | **100 oo** |
| 10 | 81202 | 15592 | 84408 | 65610 | 90 |
| 20 | 81742 | 16141 | 83859 | 65602 | 80 |
| 30 | 82282 | 16689 | 83311 | 65593 | 70 |
| 40 | 82822 | 17238 | 82762 | 65584 | 60 |
| 50 | 83362 | 17786 | 82214 | 65576 | 50 |
| 60 | 83901 | 18334 | 81666 | 65567 | 40 |
| 70 | 84441 | 18882 | 81118 | 65558 | 30 |
| 80 | 84980 | 19430 | 80570 | 65550 | 20 |
| 90 | 85520 | 19979 | 80021 | 65541 | 10 |
| **01 oo** | 86059 | 20526 | 79474 | 65533 | **99 oo** |
| 10 | 86598 | 21074 | 78926 | 65524 | 90 |
| 20 | 87138 | 21622 | 78378 | 65515 | 80 |
| 30 | 87677 | 22170 | 77830 | 65507 | 70 |
| 40 | 88216 | 22718 | 77282 | 65498 | 60 |
| 50 | 88755 | 23265 | 76735 | 65489 | 50 |
| 60 | 89294 | 23813 | 76187 | 65481 | 40 |
| 70 | 89833 | 24361 | 75639 | 65472 | 30 |
| 80 | 90372 | 24908 | 75092 | 65464 | 20 |
| 90 | 90910 | 25455 | 74545 | 65455 | 10 |
| **02 oo** | 91449 | 26003 | 73997 | 65446 | **98 oo** |
| 10 | 91988 | 26550 | 73450 | 65438 | 90 |
| 20 | 92526 | 27097 | 72903 | 65429 | 80 |
| 30 | 93065 | 27644 | 72356 | 65420 | 70 |
| 40 | 93603 | 28191 | 71809 | 65412 | 60 |
| 50 | 94141 | 28738 | 71262 | 65403 | 50 |
| 60 | 94680 | 29285 | 70715 | 65394 | 40 |
| 70 | 95218 | 29832 | 70168 | 65386 | 30 |
| 80 | 95756 | 30379 | 69621 | 65377 | 20 |
| 90 | 96294 | 30926 | 69074 | 65368 | 10 |
| **03 oo** | 96832 | 31472 | 68528 | 65360 | **97 oo** |
| 10 | 97370 | 32019 | 67981 | 65351 | 90 |
| 20 | 97908 | 32565 | 67435 | 65343 | 80 |
| 30 | 98446 | 33112 | 66888 | 65334 | 70 |
| 40 | 98983 | 33658 | 66342 | 65325 | 60 |
| 50 | 99521 | 34204 | 65796 | 65317 | 50 |
| 60 | ∗00059 | 34751 | 65249 | 65308 | 40 |
| 70 | ∗00596 | 35297 | 64703 | 65299 | 30 |
| 80 | ∗01134 | 35843 | 64157 | 65291 | 20 |
| 90 | ∗01671 | 36389 | 63611 | 65282 | 10 |
| **04 oo** | ∗02208 | 36935 | 63065 | 65273 | **96 oo** |
| 10 | ∗02746 | 37481 | 62519 | 65265 | 90 |
| 20 | ∗03283 | 38027 | 61973 | 65256 | 80 |
| 30 | ∗03820 | 38573 | 61427 | 65247 | 70 |
| 40 | ∗04357 | 39118 | 60882 | 65239 | 60 |
| 50 | ∗04894 | 39664 | 60336 | 65230 | 50 |
| 60 | ∗05431 | 40210 | 59790 | 65221 | 40 |
| 70 | ∗05968 | 40755 | 59245 | 65213 | 30 |
| 80 | ∗06505 | 41301 | 58699 | 65204 | 20 |
| 90 | ∗07041 | 41846 | 58154 | 65195 | 10 |
| **05 oo** | ∗07578 | 42391 | 57609 | 65187 | **95 oo** |
| | **∗9.10** | **9.10** | **0.89** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 536 | 545 | 545 | 9 | **91$^g$** |

| $8^g$ | 537 | 546 | 546 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.10** | **9.10** | **0.89** | **9.99** | |
| **05 oo** | 07578 | 42391 | 57609 | 65187 | **95 oo** |
| 10 | 08114 | 42937 | 57063 | 65178 | 90 |
| 20 | 08651 | 43482 | 56518 | 65169 | 80 |
| 30 | 09187 | 44027 | 55973 | 65161 | 70 |
| 40 | 09724 | 44572 | 55428 | 65152 | 60 |
| 50 | 10260 | 45117 | 54883 | 65143 | 50 |
| 60 | 10796 | 45662 | 54338 | 65135 | 40 |
| 70 | 11333 | 46207 | 53793 | 65126 | 30 |
| 80 | 11869 | 46752 | 53248 | 65117 | 20 |
| 90 | 12405 | 47296 | 52704 | 65108 | 10 |
| **06 oo** | 12941 | 47841 | 52159 | 65100 | **94 oo** |
| 10 | 13477 | 48386 | 51614 | 65091 | 90 |
| 20 | 14012 | 48930 | 51070 | 65082 | 80 |
| 30 | 14548 | 49474 | 50526 | 65074 | 70 |
| 40 | 15084 | 50019 | 49981 | 65065 | 60 |
| 50 | 15620 | 50563 | 49437 | 65056 | 50 |
| 60 | 16155 | 51107 | 48893 | 65048 | 40 |
| 70 | 16691 | 51652 | 48348 | 65039 | 30 |
| 80 | 17226 | 52196 | 47804 | 65030 | 20 |
| 90 | 17761 | 52740 | 47260 | 65022 | 10 |
| **07 oo** | 18297 | 53284 | 46716 | 65013 | **93 oo** |
| 10 | 18832 | 53828 | 46172 | 65004 | 90 |
| 20 | 19367 | 54372 | 45628 | 64996 | 80 |
| 30 | 19902 | 54915 | 45085 | 64987 | 70 |
| 40 | 20437 | 55459 | 44541 | 64978 | 60 |
| 50 | 20972 | 56003 | 43997 | 64969 | 50 |
| 60 | 21507 | 56547 | 43453 | 64961 | 40 |
| 70 | 22042 | 57090 | 42910 | 64952 | 30 |
| 80 | 22577 | 57634 | 42366 | 64943 | 20 |
| 90 | 23112 | 58177 | 41823 | 64935 | 10 |
| **08 oo** | 23646 | 58720 | 41280 | 64926 | **92 oo** |
| 10 | 24181 | 59264 | 40736 | 64917 | 90 |
| 20 | 24715 | 59807 | 40193 | 64909 | 80 |
| 30 | 25250 | 60350 | 39650 | 64900 | 70 |
| 40 | 25784 | 60893 | 39107 | 64891 | 60 |
| 50 | 26318 | 61436 | 38564 | 64882 | 50 |
| 60 | 26853 | 61979 | 38021 | 64874 | 40 |
| 70 | 27387 | 62522 | 37478 | 64865 | 30 |
| 80 | 27921 | 63065 | 36935 | 64856 | 20 |
| 90 | 28455 | 63607 | 36393 | 64848 | 10 |
| **09 oo** | 28989 | 64150 | 35850 | 64839 | **91 oo** |
| 10 | 29523 | 64693 | 35307 | 64830 | 90 |
| 20 | 30057 | 65235 | 34765 | 64821 | 80 |
| 30 | 30590 | 65778 | 34222 | 64813 | 70 |
| 40 | 31124 | 66320 | 33680 | 64804 | 60 |
| 50 | 31658 | 66863 | 33137 | 64795 | 50 |
| 60 | 32191 | 67405 | 32595 | 64787 | 40 |
| 70 | 32725 | 67947 | 32053 | 64778 | 30 |
| 80 | 33258 | 68489 | 31511 | 64769 | 20 |
| 90 | 33792 | 69031 | 30969 | 64760 | 10 |
| **10 oo** | 34325 | 69573 | 30427 | 64752 | **90 oo** |
| | **9.10** | **9.10** | **0.89** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 533 | 542 | 542 | 9 | **91$^g$** |

| | 549 | 548 | 547 | 546 | 545 | 544 | 543 | 542 | 540 | 539 | 538 | 537 | 536 | 535 | 534 | 533 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 54,9 | 54,8 | 54,7 | 54,6 | 54,5 | 54,4 | 54,3 | 54,2 | 54,0 | 53,9 | 53,8 | 53,7 | 53,6 | 53,5 | 53,4 | 53,3 | 1 |
| 2 | 109,8 | 109,6 | 109,4 | 109,2 | 109,0 | 108,8 | 108,6 | 108,4 | 108,0 | 107,8 | 107,6 | 107,4 | 107,2 | 107,0 | 106,8 | 106,6 | 2 |
| 3 | 164,7 | 164,4 | 164,1 | 163,8 | 163,5 | 163,2 | 162,9 | 162,6 | 162,0 | 161,7 | 161,4 | 161,1 | 160,8 | 160,5 | 160,2 | 159,9 | 3 |
| 4 | 219,6 | 219,2 | 218,8 | 218,4 | 218,0 | 217,6 | 217,2 | 216,8 | 216,0 | 215,6 | 215,2 | 214,8 | 214,4 | 214,0 | 213,6 | 213,2 | 4 |
| 5 | 274,5 | 274,0 | 273,5 | 273,0 | 272,5 | 272,0 | 271,5 | 271,0 | 270,0 | 269,5 | 269,0 | 268,5 | 268,0 | 267,5 | 267,0 | 266,5 | 5 |
| 6 | 329,4 | 328,8 | 328,2 | 327,6 | 327,0 | 326,4 | 325,8 | 325,2 | 324,0 | 323,4 | 322,8 | 322,2 | 321,6 | 321,0 | 320,4 | 319,8 | 6 |
| 7 | 384,3 | 383,6 | 382,9 | 382,2 | 381,5 | 380,8 | 380,1 | 379,4 | 378,0 | 377,3 | 376,6 | 375,9 | 375,2 | 374,5 | 373,8 | 373,1 | 7 |
| 8 | 439,2 | 438,4 | 437,6 | 436,8 | 436,0 | 435,2 | 434,4 | 433,6 | 432,0 | 431,2 | 430,4 | 429,6 | 428,8 | 428,0 | 427,2 | 426,4 | 8 |
| 9 | 494,1 | 493,2 | 492,3 | 491,4 | 490,5 | 489,6 | 488,7 | 487,8 | 486,0 | 485,1 | 484,2 | 483,3 | 482,4 | 481,5 | 480,6 | 479,7 | 9 |

| $8^g$ | 533 | 542 | 542 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.10** | **9.10** | **0.89** | **9.99** | |
| **10 oo** | 34325 | 69573 | 30427 | 64752 | **90 oo** |
| 10 | 34858 | 70115 | 29885 | 64743 | 90 |
| 20 | 35391 | 70657 | 29343 | 64734 | 80 |
| 30 | 35924 | 71199 | 28801 | 64725 | 70 |
| 40 | 36457 | 71741 | 28259 | 64717 | 60 |
| 50 | 36990 | 72282 | 27718 | 64708 | 50 |
| 60 | 37523 | 72824 | 27176 | 64699 | 40 |
| 70 | 38056 | 73366 | 26634 | 64690 | 30 |
| 80 | 38589 | 73907 | 26093 | 64682 | 20 |
| 90 | 39122 | 74449 | 25551 | 64673 | 10 |
| **11 oo** | 39654 | 74990 | 25010 | 64664 | **89 oo** |
| 10 | 40187 | 75531 | 24469 | 64656 | 90 |
| 20 | 40719 | 76073 | 23927 | 64647 | 80 |
| 30 | 41252 | 76614 | 23386 | 64638 | 70 |
| 40 | 41784 | 77155 | 22845 | 64629 | 60 |
| 50 | 42316 | 77696 | 22304 | 64621 | 50 |
| 60 | 42849 | 78237 | 21763 | 64612 | 40 |
| 70 | 43381 | 78778 | 21222 | 64603 | 30 |
| 80 | 43913 | 79319 | 20681 | 64594 | 20 |
| 90 | 44445 | 79859 | 20141 | 64586 | 10 |
| **12 oo** | 44977 | 80400 | 19600 | 64577 | **88 oo** |
| 10 | 45509 | 80941 | 19059 | 64568 | 90 |
| 20 | 46041 | 81481 | 18519 | 64559 | 80 |
| 30 | 46573 | 82022 | 17978 | 64551 | 70 |
| 40 | 47104 | 82562 | 17438 | 64542 | 60 |
| 50 | 47636 | 83103 | 16897 | 64533 | 50 |
| 60 | 48167 | 83643 | 16357 | 64524 | 40 |
| 70 | 48699 | 84183 | 15817 | 64516 | 30 |
| 80 | 49230 | 84724 | 15276 | 64507 | 20 |
| 90 | 49762 | 85264 | 14736 | 64498 | 10 |
| **13 oo** | 50293 | 85804 | 14196 | 64489 | **87 oo** |
| 10 | 50824 | 86344 | 13656 | 64481 | 90 |
| 20 | 51356 | 86884 | 13116 | 64472 | 80 |
| 30 | 51887 | 87424 | 12576 | 64463 | 70 |
| 40 | 52418 | 87963 | 12037 | 64454 | 60 |
| 50 | 52949 | 88503 | 11497 | 64445 | 50 |
| 60 | 53480 | 89043 | 10957 | 64437 | 40 |
| 70 | 54010 | 89583 | 10417 | 64428 | 30 |
| 80 | 54541 | 90122 | 09878 | 64419 | 20 |
| 90 | 55072 | 90662 | 09338 | 64410 | 10 |
| **14 oo** | 55603 | 91201 | 08799 | 64402 | **86 oo** |
| 10 | 56133 | 91740 | 08260 | 64393 | 90 |
| 20 | 56664 | 92280 | 07720 | 64384 | 80 |
| 30 | 57194 | 92819 | 07181 | 64375 | 70 |
| 40 | 57725 | 93358 | 06642 | 64367 | 60 |
| 50 | 58255 | 93897 | 06103 | 64358 | 50 |
| 60 | 58785 | 94436 | 05564 | 64349 | 40 |
| 70 | 59315 | 94975 | 05025 | 64340 | 30 |
| 80 | 59845 | 95514 | 04486 | 64331 | 20 |
| 90 | 60376 | 96053 | 03947 | 64323 | 10 |
| **15 oo** | 60906 | 96592 | 03408 | 64314 | **85 oo** |
| | **9.10** | **9.10** | **0.89** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $91^g$ |
| | 530 | 539 | 539 | 9 | |

| $8^g$ | 530 | 539 | 539 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.10** | ∗**9.10** | ∗**0.89** | **9.99** | |
| **15 oo** | 60906 | ∗96592 | ∗03408 | 64314 | **85 oo** |
| 10 | 61435 | ∗97130 | ∗02870 | 64305 | 90 |
| 20 | 61965 | ∗97669 | ∗02331 | 64296 | 80 |
| 30 | 62495 | ∗98208 | ∗01792 | 64288 | 70 |
| 40 | 63025 | ∗98746 | ∗01254 | 64279 | 60 |
| 50 | 63555 | ∗99285 | ∗00715 | 64270 | 50 |
| 60 | 64084 | ∗99823 | ∗00177 | 64261 | 40 |
| 70 | 64614 | 00361 | 99639 | 64252 | 30 |
| 80 | 65143 | 00900 | 99100 | 64244 | 20 |
| 90 | 65673 | 01438 | 98562 | 64235 | 10 |
| **16 oo** | 66202 | 01976 | 98024 | 64226 | **84 oo** |
| 10 | 66731 | 02514 | 97486 | 64217 | 90 |
| 20 | 67260 | 03052 | 96948 | 64208 | 80 |
| 30 | 67790 | 03590 | 96410 | 64200 | 70 |
| 40 | 68319 | 04128 | 95872 | 64191 | 60 |
| 50 | 68848 | 04666 | 95334 | 64182 | 50 |
| 60 | 69377 | 05203 | 94797 | 64173 | 40 |
| 70 | 69905 | 05741 | 94259 | 64164 | 30 |
| 80 | 70434 | 06279 | 93721 | 64156 | 20 |
| 90 | 70963 | 06816 | 93184 | 64147 | 10 |
| **17 oo** | 71492 | 07354 | 92646 | 64138 | **83 oo** |
| 10 | 72020 | 07891 | 92109 | 64129 | 90 |
| 20 | 72549 | 08428 | 91572 | 64120 | 80 |
| 30 | 73077 | 08966 | 91034 | 64112 | 70 |
| 40 | 73606 | 09503 | 90497 | 64103 | 60 |
| 50 | 74134 | 10040 | 89960 | 64094 | 50 |
| 60 | 74662 | 10577 | 89423 | 64085 | 40 |
| 70 | 75191 | 11114 | 88886 | 64076 | 30 |
| 80 | 75719 | 11651 | 88349 | 64068 | 20 |
| 90 | 76247 | 12188 | 87812 | 64059 | 10 |
| **18 oo** | 76775 | 12725 | 87275 | 64050 | **82 oo** |
| 10 | 77303 | 13262 | 86738 | 64041 | 90 |
| 20 | 77831 | 13798 | 86202 | 64032 | 80 |
| 30 | 78359 | 14335 | 85665 | 64024 | 70 |
| 40 | 78886 | 14872 | 85128 | 64015 | 60 |
| 50 | 79414 | 15408 | 84592 | 64006 | 50 |
| 60 | 79942 | 15945 | 84055 | 63997 | 40 |
| 70 | 80469 | 16481 | 83519 | 63988 | 30 |
| 80 | 80997 | 17017 | 82983 | 63979 | 20 |
| 90 | 81524 | 17554 | 82446 | 63971 | 10 |
| **19 oo** | 82052 | 18090 | 81910 | 63962 | **81 oo** |
| 10 | 82579 | 18626 | 81374 | 63953 | 90 |
| 20 | 83106 | 19162 | 80838 | 63944 | 80 |
| 30 | 83633 | 19698 | 80302 | 63935 | 70 |
| 40 | 84160 | 20234 | 79766 | 63926 | 60 |
| 50 | 84688 | 20770 | 79230 | 63918 | 50 |
| 60 | 85215 | 21306 | 78694 | 63909 | 40 |
| 70 | 85741 | 21841 | 78159 | 63900 | 30 |
| 80 | 86268 | 22377 | 77623 | 63891 | 20 |
| 90 | 86795 | 22913 | 77087 | 63882 | 10 |
| **20 oo** | 87322 | 23448 | 76552 | 63873 | **80 oo** |
| | **9.10** | **9.11** | **0.88** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $91^g$ |
| | 526 | 535 | 535 | 9 | |

| | 542 | 541 | 540 | 539 | 538 | 537 | 536 | 535 | 533 | 532 | 531 | 530 | 529 | 528 | 527 | 526 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 54,2 | 54,1 | 54,0 | 53,9 | 53,8 | 53,7 | 53,6 | 53,5 | 53,3 | 53,2 | 53,1 | 53,0 | 52,9 | 52,8 | 52,7 | 52,6 | 1 |
| 2 | 108,4 | 108,2 | 108,0 | 107,8 | 107,6 | 107,4 | 107,2 | 107,0 | 106,6 | 106,4 | 106,2 | 106,0 | 105,8 | 105,6 | 105,4 | 105,2 | 2 |
| 3 | 162,6 | 162,3 | 162,0 | 161,7 | 161,4 | 161,1 | 160,8 | 160,5 | 159,9 | 159,6 | 159,3 | 159,0 | 158,7 | 158,4 | 158,1 | 157,8 | 3 |
| 4 | 216,8 | 216,4 | 216,0 | 215,6 | 215,2 | 214,8 | 214,4 | 214,0 | 213,2 | 212,8 | 212,4 | 212,0 | 211,6 | 211,2 | 210,8 | 210,4 | 4 |
| 5 | 271,0 | 270,5 | 270,0 | 269,5 | 269,0 | 268,5 | 268,0 | 267,5 | 266,5 | 266,0 | 265,5 | 265,0 | 264,5 | 264,0 | 263,5 | 263,0 | 5 |
| 6 | 325,2 | 324,6 | 324,0 | 323,4 | 322,8 | 322,2 | 321,6 | 321,0 | 319,8 | 319,2 | 318,6 | 318,0 | 317,4 | 316,8 | 316,2 | 315,6 | 6 |
| 7 | 379,4 | 378,7 | 378,0 | 377,3 | 376,6 | 375,9 | 375,2 | 374,5 | 373,1 | 372,4 | 371,7 | 371,0 | 370,3 | 369,6 | 368,9 | 368,2 | 7 |
| 8 | 433,6 | 432,8 | 432,0 | 431,2 | 430,4 | 429,6 | 428,8 | 428,0 | 426,4 | 425,6 | 424,8 | 424,0 | 423,2 | 422,4 | 421,6 | 420,8 | 8 |
| 9 | 487,8 | 486,9 | 486,0 | 485,1 | 484,2 | 483,3 | 482,4 | 481,5 | 479,7 | 478,8 | 477,9 | 477,0 | 476,1 | 475,2 | 474,3 | 473,4 | 9 |

| 8g | 527 | 536 | 536 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.10 | 9.11 | 0.88 | 9.99 | |
| **20 oo** | *87322 | 23448 | 76552 | 63873 | **80 oo** |
| 10 | *87848 | 23984 | 76016 | 63865 | 90 |
| 20 | *88375 | 24519 | 75481 | 63856 | 80 |
| 30 | *88902 | 25055 | 74945 | 63847 | 70 |
| 40 | *89428 | 25590 | 74410 | 63838 | 60 |
| 50 | *89954 | 26125 | 73875 | 63829 | 50 |
| 60 | *90481 | 26660 | 73340 | 63820 | 40 |
| 70 | *91007 | 27196 | 72804 | 63812 | 30 |
| 80 | *91533 | 27731 | 72269 | 63803 | 20 |
| 90 | *92059 | 28266 | 71734 | 63794 | 10 |
| **21 oo** | *92586 | 28800 | 71200 | 63785 | **79 oo** |
| 10 | *93112 | 29335 | 70665 | 63776 | 90 |
| 20 | *93637 | 29870 | 70130 | 63767 | 80 |
| 30 | *94163 | 30405 | 69595 | 63759 | 70 |
| 40 | *94689 | 30940 | 69060 | 63750 | 60 |
| 50 | *95215 | 31474 | 68526 | 63741 | 50 |
| 60 | *95741 | 32009 | 67991 | 63732 | 40 |
| 70 | *96266 | 32543 | 67457 | 63723 | 30 |
| 80 | *96792 | 33078 | 66922 | 63714 | 20 |
| 90 | *97317 | 33612 | 66388 | 63705 | 10 |
| **22 oo** | *97843 | 34146 | 65854 | 63697 | **78 oo** |
| 10 | *98368 | 34680 | 65320 | 63688 | 90 |
| 20 | *98893 | 35215 | 64785 | 63679 | 80 |
| 30 | *99419 | 35749 | 64251 | 63670 | 70 |
| 40 | *99944 | 36283 | 63717 | 63661 | 60 |
| 50 | 00469 | 36817 | 63183 | 63652 | 50 |
| 60 | 00994 | 37351 | 62649 | 63643 | 40 |
| 70 | 01519 | 37884 | 62116 | 63634 | 30 |
| 80 | 02044 | 38418 | 61582 | 63626 | 20 |
| 90 | 02569 | 38952 | 61048 | 63617 | 10 |
| **23 oo** | 03094 | 39486 | 60514 | 63608 | **77 oo** |
| 10 | 03618 | 40019 | 59981 | 63599 | 90 |
| 20 | 04143 | 40553 | 59447 | 63590 | 80 |
| 30 | 04667 | 41086 | 58914 | 63581 | 70 |
| 40 | 05192 | 41620 | 58380 | 63572 | 60 |
| 50 | 05716 | 42153 | 57847 | 63564 | 50 |
| 60 | 06241 | 42686 | 57314 | 63555 | 40 |
| 70 | 06765 | 43219 | 56781 | 63546 | 30 |
| 80 | 07289 | 43753 | 56247 | 63537 | 20 |
| 90 | 07814 | 44286 | 55714 | 63528 | 10 |
| **24 oo** | 08338 | 44819 | 55181 | 63519 | **76 oo** |
| 10 | 08862 | 45352 | 54648 | 63510 | 90 |
| 20 | 09386 | 45885 | 54115 | 63501 | 80 |
| 30 | 09910 | 46417 | 53583 | 63493 | 70 |
| 40 | 10434 | 46950 | 53050 | 63484 | 60 |
| 50 | 10958 | 47483 | 52517 | 63475 | 50 |
| 60 | 11481 | 48015 | 51985 | 63466 | 40 |
| 70 | 12005 | 48548 | 51452 | 63457 | 30 |
| 80 | 12529 | 49081 | 50919 | 63448 | 20 |
| 90 | 13052 | 49613 | 50387 | 63439 | 10 |
| **25 oo** | 13576 | 50145 | 49855 | 63430 | **75 oo** |
| | 9.11 | 9.11 | 0.88 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 91g |
| | 523 | 532 | 532 | 9 | |

| 8g | 524 | 533 | 533 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 9.11 | 9.11 | 0.88 | 9.99 | |
| **25 oo** | 13576 | 50145 | 49855 | 63430 | **75 oo** |
| 10 | 14099 | 50678 | 49322 | 63421 | 90 |
| 20 | 14623 | 51210 | 48790 | 63413 | 80 |
| 30 | 15146 | 51742 | 48258 | 63404 | 70 |
| 40 | 15669 | 52274 | 47726 | 63395 | 60 |
| 50 | 16192 | 52806 | 47194 | 63386 | 50 |
| 60 | 16715 | 53338 | 46662 | 63377 | 40 |
| 70 | 17238 | 53870 | 46130 | 63368 | 30 |
| 80 | 17761 | 54402 | 45598 | 63359 | 20 |
| 90 | 18284 | 54934 | 45066 | 63350 | 10 |
| **26 oo** | 18807 | 55466 | 44534 | 63341 | **74 oo** |
| 10 | 19330 | 55998 | 44002 | 63332 | 90 |
| 20 | 19853 | 56529 | 43471 | 63324 | 80 |
| 30 | 20375 | 57061 | 42939 | 63315 | 70 |
| 40 | 20898 | 57592 | 42408 | 63306 | 60 |
| 50 | 21421 | 58124 | 41876 | 63297 | 50 |
| 60 | 21943 | 58655 | 41345 | 63288 | 40 |
| 70 | 22465 | 59186 | 40814 | 63279 | 30 |
| 80 | 22988 | 59718 | 40282 | 63270 | 20 |
| 90 | 23510 | 60249 | 39751 | 63261 | 10 |
| **27 oo** | 24032 | 60780 | 39220 | 63252 | **73 oo** |
| 10 | 24554 | 61311 | 38689 | 63243 | 90 |
| 20 | 25077 | 61842 | 38158 | 63234 | 80 |
| 30 | 25599 | 62373 | 37627 | 63226 | 70 |
| 40 | 26120 | 62904 | 37096 | 63217 | 60 |
| 50 | 26642 | 63435 | 36565 | 63208 | 50 |
| 60 | 27164 | 63965 | 36035 | 63199 | 40 |
| 70 | 27686 | 64496 | 35504 | 63190 | 30 |
| 80 | 28208 | 65027 | 34973 | 63181 | 20 |
| 90 | 28729 | 65557 | 34443 | 63172 | 10 |
| **28 oo** | 29251 | 66088 | 33912 | 63163 | **72 oo** |
| 10 | 29772 | 66618 | 33382 | 63154 | 90 |
| 20 | 30294 | 67149 | 32851 | 63145 | 80 |
| 30 | 30815 | 67679 | 32321 | 63136 | 70 |
| 40 | 31337 | 68209 | 31791 | 63127 | 60 |
| 50 | 31858 | 68739 | 31261 | 63118 | 50 |
| 60 | 32379 | 69270 | 30730 | 63110 | 40 |
| 70 | 32900 | 69800 | 30200 | 63101 | 30 |
| 80 | 33421 | 70330 | 29670 | 63092 | 20 |
| 90 | 33942 | 70860 | 29140 | 63083 | 10 |
| **29 oo** | 34463 | 71389 | 28611 | 63074 | **71 oo** |
| 10 | 34984 | 71919 | 28081 | 63065 | 90 |
| 20 | 35505 | 72449 | 27551 | 63056 | 80 |
| 30 | 36026 | 72979 | 27021 | 63047 | 70 |
| 40 | 36546 | 73508 | 26492 | 63038 | 60 |
| 50 | 37067 | 74038 | 25962 | 63029 | 50 |
| 60 | 37588 | 74567 | 25433 | 63020 | 40 |
| 70 | 38108 | 75097 | 24903 | 63011 | 30 |
| 80 | 38629 | 75626 | 24374 | 63002 | 20 |
| 90 | 39149 | 76156 | 23844 | 62993 | 10 |
| **30 oo** | 39669 | 76685 | 23315 | 62984 | **70 oo** |
| | 9.11 | 9.11 | 0.88 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 91g |
| | 520 | 529 | 529 | 9 | |

| | 536 | 535 | 534 | 533 | 532 | 531 | 530 | 529 | 527 | 526 | 525 | 524 | 523 | 522 | 521 | 520 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 53,6 | 53,5 | 53,4 | 53,3 | 53,2 | 53,1 | 53,0 | 52,9 | 52,7 | 52,6 | 52,5 | 52,4 | 52,3 | 52,2 | 52,1 | 52,0 | 1 |
| 2 | 107,2 | 107,0 | 106,8 | 106,6 | 106,4 | 106,2 | 106,0 | 105,8 | 105,4 | 105,2 | 105,0 | 104,8 | 104,6 | 104,4 | 104,2 | 104,0 | 2 |
| 3 | 160,8 | 160,5 | 160,2 | 159,9 | 159,6 | 159,3 | 159,0 | 158,7 | 158,1 | 157,8 | 157,5 | 157,2 | 156,9 | 156,6 | 156,3 | 156,0 | 3 |
| 4 | 214,4 | 214,0 | 213,6 | 213,2 | 212,8 | 212,4 | 212,0 | 211,6 | 210,8 | 210,4 | 210,0 | 209,6 | 209,2 | 208,8 | 208,4 | 208,0 | 4 |
| 5 | 268,0 | 267,5 | 267,0 | 266,5 | 266,0 | 265,5 | 265,0 | 264,5 | 263,5 | 263,0 | 262,5 | 262,0 | 261,5 | 261,0 | 260,5 | 260,0 | 5 |
| 6 | 321,6 | 321,0 | 320,4 | 319,8 | 319,2 | 318,6 | 318,0 | 317,4 | 316,2 | 315,6 | 315,0 | 314,4 | 313,8 | 313,2 | 312,6 | 312,0 | 6 |
| 7 | 375,2 | 374,5 | 373,8 | 373,1 | 372,4 | 371,7 | 371,0 | 370,3 | 368,9 | 368,2 | 367,5 | 366,8 | 366,1 | 365,4 | 364,7 | 364,0 | 7 |
| 8 | 428,8 | 428,0 | 427,2 | 426,4 | 425,6 | 424,8 | 424,0 | 423,2 | 421,6 | 420,8 | 420,0 | 419,2 | 418,4 | 417,6 | 416,8 | 416,0 | 8 |
| 9 | 482,4 | 481,5 | 480,6 | 479,7 | 478,8 | 477,9 | 477,0 | 476,1 | 474,3 | 473,4 | 472,5 | 471,6 | 470,7 | 469,8 | 468,9 | 468,0 | 9 |

| 8g | 521 | 529 | 529 | 8 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.11** | **9.11** | **0.88** | **9.99** | |
| **30 oo** | 39669 | 76685 | 23315 | 62984 | **70 oo** |
| 10 | 40189 | 77214 | 22786 | 62975 | 90 |
| 20 | 40710 | 77743 | 22257 | 62967 | 80 |
| 30 | 41230 | 78272 | 21728 | 62958 | 70 |
| 40 | 41750 | 78801 | 21199 | 62949 | 60 |
| 50 | 42270 | 79330 | 20670 | 62940 | 50 |
| 60 | 42790 | 79859 | 20141 | 62931 | 40 |
| 70 | 43310 | 80388 | 19612 | 62922 | 30 |
| 80 | 43829 | 80917 | 19083 | 62913 | 20 |
| 90 | 44349 | 81445 | 18555 | 62904 | 10 |
| **31 oo** | 44869 | 81974 | 18026 | 62895 | **69 oo** |
| 10 | 45388 | 82502 | 17498 | 62886 | 90 |
| 20 | 45908 | 83031 | 16969 | 62877 | 80 |
| 30 | 46427 | 83559 | 16441 | 62868 | 70 |
| 40 | 46947 | 84088 | 15912 | 62859 | 60 |
| 50 | 47466 | 84616 | 15384 | 62850 | 50 |
| 60 | 47986 | 85144 | 14856 | 62841 | 40 |
| 70 | 48505 | 85673 | 14327 | 62832 | 30 |
| 80 | 49024 | 86201 | 13799 | 62823 | 20 |
| 90 | 49543 | 86729 | 13271 | 62814 | 10 |
| **32 oo** | 50062 | 87257 | 12743 | 62805 | **68 oo** |
| 10 | 50581 | 87785 | 12215 | 62796 | 90 |
| 20 | 51100 | 88313 | 11687 | 62787 | 80 |
| 30 | 51619 | 88840 | 11160 | 62778 | 70 |
| 40 | 52138 | 89368 | 10632 | 62769 | 60 |
| 50 | 52656 | 89896 | 10104 | 62760 | 50 |
| 60 | 53175 | 90424 | 09576 | 62751 | 40 |
| 70 | 53694 | 90951 | 09049 | 62743 | 30 |
| 80 | 54212 | 91479 | 08521 | 62734 | 20 |
| 90 | 54731 | 92006 | 07994 | 62725 | 10 |
| **33 oo** | 55249 | 92534 | 07466 | 62716 | **67 oo** |
| 10 | 55767 | 93061 | 06939 | 62707 | 90 |
| 20 | 56286 | 93588 | 06412 | 62698 | 80 |
| 30 | 56804 | 94115 | 05885 | 62689 | 70 |
| 40 | 57322 | 94642 | 05358 | 62680 | 60 |
| 50 | 57840 | 95170 | 04830 | 62671 | 50 |
| 60 | 58358 | 95697 | 04303 | 62662 | 40 |
| 70 | 58876 | 96224 | 03776 | 62653 | 30 |
| 80 | 59394 | 96750 | 03250 | 62644 | 20 |
| 90 | 59912 | 97277 | 02723 | 62635 | 10 |
| **34 oo** | 60430 | 97804 | 02196 | 62626 | **66 oo** |
| 10 | 60948 | 98331 | 01669 | 62617 | 90 |
| 20 | 61465 | 98857 | 01143 | 62608 | 80 |
| 30 | 61983 | 99384 | 00616 | 62599 | 70 |
| 40 | 62500 | 99910 | 00090 | 62590 | 60 |
| 50 | 63018 | ∗00437 | ∗99563 | 62581 | 50 |
| 60 | 63535 | ∗00963 | ∗99037 | 62572 | 40 |
| 70 | 64053 | ∗01490 | ∗98510 | 62563 | 30 |
| 80 | 64570 | ∗02016 | ∗97984 | 62554 | 20 |
| 90 | 65087 | ∗02542 | ∗97458 | 62545 | 10 |
| **35 oo** | 65604 | ∗03068 | ∗96932 | 62536 | **65 oo** |
| | **9.11** | ∗**9.12** | ∗**0.87** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **91g** |
| | 517 | 526 | 526 | 9 | |

| 8g | 517 | 526 | 526 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.11** | **9.12** | **0.87** | **9.99** | |
| **35 oo** | 65604 | 03068 | 96932 | 62536 | **65 oo** |
| 10 | 66121 | 03594 | 96406 | 62527 | 90 |
| 20 | 66638 | 04120 | 95880 | 62518 | 80 |
| 30 | 67155 | 04646 | 95354 | 62509 | 70 |
| 40 | 67672 | 05172 | 94828 | 62500 | 60 |
| 50 | 68189 | 05698 | 94302 | 62491 | 50 |
| 60 | 68706 | 06224 | 93776 | 62482 | 40 |
| 70 | 69223 | 06750 | 93250 | 62473 | 30 |
| 80 | 69739 | 07275 | 92725 | 62464 | 20 |
| 90 | 70256 | 07801 | 92199 | 62455 | 10 |
| **36 oo** | 70772 | 08327 | 91673 | 62446 | **64 oo** |
| 10 | 71289 | 08852 | 91148 | 62437 | 90 |
| 20 | 71805 | 09377 | 90623 | 62428 | 80 |
| 30 | 72322 | 09903 | 90097 | 62419 | 70 |
| 40 | 72838 | 10428 | 89572 | 62410 | 60 |
| 50 | 73354 | 10953 | 89047 | 62401 | 50 |
| 60 | 73870 | 11479 | 88521 | 62392 | 40 |
| 70 | 74386 | 12004 | 87996 | 62383 | 30 |
| 80 | 74902 | 12529 | 87471 | 62374 | 20 |
| 90 | 75418 | 13054 | 86946 | 62365 | 10 |
| **37 oo** | 75934 | 13579 | 86421 | 62356 | **63 oo** |
| 10 | 76450 | 14103 | 85897 | 62347 | 90 |
| 20 | 76966 | 14628 | 85372 | 62338 | 80 |
| 30 | 77482 | 15153 | 84847 | 62329 | 70 |
| 40 | 77997 | 15678 | 84322 | 62320 | 60 |
| 50 | 78513 | 16202 | 83798 | 62310 | 50 |
| 60 | 79028 | 16727 | 83273 | 62301 | 40 |
| 70 | 79544 | 17251 | 82749 | 62292 | 30 |
| 80 | 80059 | 17776 | 82224 | 62283 | 20 |
| 90 | 80575 | 18300 | 81700 | 62274 | 10 |
| **38 oo** | 81090 | 18825 | 81175 | 62265 | **62 oo** |
| 10 | 81605 | 19349 | 80651 | 62256 | 90 |
| 20 | 82120 | 19873 | 80127 | 62247 | 80 |
| 30 | 82635 | 20397 | 79603 | 62238 | 70 |
| 40 | 83150 | 20921 | 79079 | 62229 | 60 |
| 50 | 83665 | 21445 | 78555 | 62220 | 50 |
| 60 | 84180 | 21969 | 78031 | 62211 | 40 |
| 70 | 84695 | 22493 | 77507 | 62202 | 30 |
| 80 | 85210 | 23017 | 76983 | 62193 | 20 |
| 90 | 85725 | 23541 | 76459 | 62184 | 10 |
| **39 oo** | 86239 | 24064 | 75936 | 62175 | **61 oo** |
| 10 | 86754 | 24588 | 75412 | 62166 | 90 |
| 20 | 87268 | 25112 | 74888 | 62157 | 80 |
| 30 | 87783 | 25635 | 74365 | 62148 | 70 |
| 40 | 88297 | 26159 | 73841 | 62139 | 60 |
| 50 | 88812 | 26682 | 73318 | 62130 | 50 |
| 60 | 89326 | 27205 | 72795 | 62121 | 40 |
| 70 | 89840 | 27729 | 72271 | 62112 | 30 |
| 80 | 90354 | 28252 | 71748 | 62103 | 20 |
| 90 | 90869 | 28775 | 71225 | 62094 | 10 |
| **40 oo** | 91383 | 29298 | 70702 | 62084 | **60 oo** |
| | **9.11** | **9.12** | **0.87** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **91g** |
| | 514 | 523 | 523 | 10 | |

| | 529 | 528 | 527 | 526 | 525 | 524 | 523 | 521 | 520 | 519 | 518 | 517 | 516 | 515 | 514 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 52,9 | 52,8 | 52,7 | 52,6 | 52,5 | 52,4 | 52,3 | 52,1 | 52,0 | 51,9 | 51,8 | 51,7 | 51,6 | 51,5 | 51,4 | 1 |
| 2 | 105,8 | 105,6 | 105,4 | 105,2 | 105,0 | 104,8 | 104,6 | 104,2 | 104,0 | 103,8 | 103,6 | 103,4 | 103,2 | 103,0 | 102,8 | 2 |
| 3 | 158,7 | 158,4 | 158,1 | 157,8 | 157,5 | 157,2 | 156,9 | 156,3 | 156,0 | 155,7 | 155,4 | 155,1 | 154,8 | 154,5 | 154,2 | 3 |
| 4 | 211,6 | 211,2 | 210,8 | 210,4 | 210,0 | 209,6 | 209,2 | 208,4 | 208,0 | 207,6 | 207,2 | 206,8 | 206,4 | 206,0 | 205,6 | 4 |
| 5 | 264,5 | 264,0 | 263,5 | 263,0 | 262,5 | 262,0 | 261,5 | 260,5 | 260,0 | 259,5 | 259,0 | 258,5 | 258,0 | 257,5 | 257,0 | 5 |
| 6 | 317,4 | 316,8 | 316,2 | 315,6 | 315,0 | 314,4 | 313,8 | 312,6 | 312,0 | 311,4 | 310,8 | 310,2 | 309,6 | 309,0 | 308,4 | 6 |
| 7 | 370,3 | 369,6 | 368,9 | 368,2 | 367,5 | 366,8 | 366,1 | 364,7 | 364,0 | 363,3 | 362,6 | 361,9 | 361,2 | 360,5 | 359,8 | 7 |
| 8 | 423,2 | 422,4 | 421,6 | 420,8 | 420,0 | 419,2 | 418,4 | 416,8 | 416,0 | 415,2 | 414,4 | 413,6 | 412,8 | 412,0 | 411,2 | 8 |
| 9 | 476,1 | 475,2 | 474,3 | 473,4 | 472,5 | 471,6 | 470,7 | 468,9 | 468,0 | 467,1 | 466,2 | 465,3 | 464,4 | 463,5 | 462,6 | 9 |

| 8g | 514 | 523 | 523 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.11 | 9.12 | 0.87 | 9.99 | |
| 40 oo | *91383 | 29298 | 70702 | 62084 | 60 oo |
| 10 | *91897 | 29821 | 70179 | 62075 | 90 |
| 20 | *92410 | 30344 | 69656 | 62066 | 80 |
| 30 | *92924 | 30867 | 69133 | 62057 | 70 |
| 40 | *93438 | 31390 | 68610 | 62048 | 60 |
| 50 | *93952 | 31913 | 68087 | 62039 | 50 |
| 60 | *94466 | 32435 | 67565 | 62030 | 40 |
| 70 | *94979 | 32958 | 67042 | 62021 | 30 |
| 80 | *95493 | 33481 | 66519 | 62012 | 20 |
| 90 | *96006 | 34003 | 65997 | 62003 | 10 |
| 41 oo | *96520 | 34526 | 65474 | 61994 | 59 oo |
| 10 | *97033 | 35048 | 64952 | 61985 | 90 |
| 20 | *97546 | 35570 | 64430 | 61976 | 80 |
| 30 | *98059 | 36093 | 63907 | 61967 | 70 |
| 40 | *98573 | 36615 | 63385 | 61958 | 60 |
| 50 | *99086 | 37137 | 62863 | 61949 | 50 |
| 60 | *99599 | 37659 | 62341 | 61939 | 40 |
| 70 | 00112 | 38181 | 61819 | 61930 | 30 |
| 80 | 00625 | 38703 | 61297 | 61921 | 20 |
| 90 | 01138 | 39225 | 60775 | 61912 | 10 |
| 42 oo | 01650 | 39747 | 60253 | 61903 | 58 oo |
| 10 | 02163 | 40269 | 59731 | 61894 | 90 |
| 20 | 02676 | 40791 | 59209 | 61885 | 80 |
| 30 | 03189 | 41313 | 58687 | 61876 | 70 |
| 40 | 03701 | 41834 | 58166 | 61867 | 60 |
| 50 | 04214 | 42356 | 57644 | 61858 | 50 |
| 60 | 04726 | 42877 | 57123 | 61849 | 40 |
| 70 | 05238 | 43399 | 56601 | 61840 | 30 |
| 80 | 05751 | 43920 | 56080 | 61831 | 20 |
| 90 | 06263 | 44441 | 55559 | 61821 | 10 |
| 43 oo | 06775 | 44963 | 55037 | 61812 | 57 oo |
| 10 | 07287 | 45484 | 54516 | 61803 | 90 |
| 20 | 07799 | 46005 | 53995 | 61794 | 80 |
| 30 | 08311 | 46526 | 53474 | 61785 | 70 |
| 40 | 08823 | 47047 | 52953 | 61776 | 60 |
| 50 | 09335 | 47568 | 52432 | 61767 | 50 |
| 60 | 09847 | 48089 | 51911 | 61758 | 40 |
| 70 | 10359 | 48610 | 51390 | 61749 | 30 |
| 80 | 10870 | 49131 | 50869 | 61740 | 20 |
| 90 | 11382 | 49652 | 50348 | 61731 | 10 |
| 44 oo | 11894 | 50172 | 49828 | 61721 | 56 oo |
| 10 | 12405 | 50693 | 49307 | 61712 | 90 |
| 20 | 12917 | 51213 | 48787 | 61703 | 80 |
| 30 | 13428 | 51734 | 48266 | 61694 | 70 |
| 40 | 13939 | 52254 | 47746 | 61685 | 60 |
| 50 | 14451 | 52775 | 47225 | 61676 | 50 |
| 60 | 14962 | 53295 | 46705 | 61667 | 40 |
| 70 | 15473 | 53815 | 46185 | 61658 | 30 |
| 80 | 15984 | 54335 | 45665 | 61649 | 20 |
| 90 | 16495 | 54856 | 45144 | 61640 | 10 |
| 45 oo | 17006 | 55376 | 44624 | 61630 | 55 oo |
| | 9.12 | 9.12 | 0.87 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 91g |
| | 511 | 520 | 520 | 10 | |

| 8g | 511 | 520 | 520 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 9.12 | 9.12 | 0.87 | 9.99 | |
| 45 oo | 17006 | 55376 | 44624 | 61630 | 55 oo |
| 10 | 17517 | 55896 | 44104 | 61621 | 90 |
| 20 | 18028 | 56416 | 43584 | 61612 | 80 |
| 30 | 18539 | 56936 | 43064 | 61603 | 70 |
| 40 | 19049 | 57455 | 42545 | 61594 | 60 |
| 50 | 19560 | 57975 | 42025 | 61585 | 50 |
| 60 | 20071 | 58495 | 41505 | 61576 | 40 |
| 70 | 20581 | 59015 | 40985 | 61567 | 30 |
| 80 | 21092 | 59534 | 40466 | 61558 | 20 |
| 90 | 21602 | 60054 | 39946 | 61548 | 10 |
| 46 oo | 22112 | 60573 | 39427 | 61539 | 54 oo |
| 10 | 22623 | 61093 | 38907 | 61530 | 90 |
| 20 | 23133 | 61612 | 38388 | 61521 | 80 |
| 30 | 23643 | 62131 | 37869 | 61512 | 70 |
| 40 | 24153 | 62650 | 37350 | 61503 | 60 |
| 50 | 24663 | 63170 | 36830 | 61494 | 50 |
| 60 | 25173 | 63689 | 36311 | 61485 | 40 |
| 70 | 25683 | 64208 | 35792 | 61475 | 30 |
| 80 | 26193 | 64727 | 35273 | 61466 | 20 |
| 90 | 26703 | 65246 | 34754 | 61457 | 10 |
| 47 oo | 27213 | 65765 | 34235 | 61448 | 53 oo |
| 10 | 27722 | 66283 | 33717 | 61439 | 90 |
| 20 | 28232 | 66802 | 33198 | 61430 | 80 |
| 30 | 28742 | 67321 | 32679 | 61421 | 70 |
| 40 | 29251 | 67839 | 32161 | 61412 | 60 |
| 50 | 29760 | 68358 | 31642 | 61402 | 50 |
| 60 | 30270 | 68877 | 31123 | 61393 | 40 |
| 70 | 30779 | 69395 | 30605 | 61384 | 30 |
| 80 | 31288 | 69913 | 30087 | 61375 | 20 |
| 90 | 31798 | 70432 | 29568 | 61366 | 10 |
| 48 oo | 32307 | 70950 | 29050 | 61357 | 52 oo |
| 10 | 32816 | 71468 | 28532 | 61348 | 90 |
| 20 | 33325 | 71986 | 28014 | 61338 | 80 |
| 30 | 33834 | 72505 | 27495 | 61329 | 70 |
| 40 | 34343 | 73023 | 26977 | 61320 | 60 |
| 50 | 34852 | 73541 | 26459 | 61311 | 50 |
| 60 | 35360 | 74058 | 25942 | 61302 | 40 |
| 70 | 35869 | 74576 | 25424 | 61293 | 30 |
| 80 | 36378 | 75094 | 24906 | 61284 | 20 |
| 90 | 36886 | 75612 | 24388 | 61274 | 10 |
| 49 oo | 37395 | 76130 | 23870 | 61265 | 51 oo |
| 10 | 37903 | 76647 | 23353 | 61256 | 90 |
| 20 | 38412 | 77165 | 22835 | 61247 | 80 |
| 30 | 38920 | 77682 | 22318 | 61238 | 70 |
| 40 | 39428 | 78200 | 21800 | 61229 | 60 |
| 50 | 39937 | 78717 | 21283 | 61219 | 50 |
| 60 | 40445 | 79234 | 20766 | 61210 | 40 |
| 70 | 40953 | 79752 | 20248 | 61201 | 30 |
| 80 | 41461 | 80269 | 19731 | 61192 | 20 |
| 90 | 41969 | 80786 | 19214 | 61183 | 10 |
| 50 oo | 42477 | 81303 | 18697 | 61174 | 50 oo |
| | 9.12 | 9.12 | 0.87 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 91g |
| | 508 | 517 | 517 | 10 | |

| | 523 | 522 | 521 | 520 | 519 | 518 | 517 | 514 | 513 | 512 | 511 | 510 | 509 | 508 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 52,3 | 52,2 | 52,1 | 52,0 | 51,9 | 51,8 | 51,7 | 51,4 | 51,3 | 51,2 | 51,1 | 51,0 | 50,9 | 50,8 | 1 |
| 2 | 104,6 | 104,4 | 104,2 | 104,0 | 103,8 | 103,6 | 103,4 | 102,8 | 102,6 | 102,4 | 102,2 | 102,0 | 101,8 | 101,6 | 2 |
| 3 | 156,9 | 156,6 | 156,3 | 156,0 | 155,7 | 155,4 | 155,1 | 154,2 | 153,9 | 153,6 | 153,3 | 153,0 | 152,7 | 152,4 | 3 |
| 4 | 209,2 | 208,8 | 208,4 | 208,0 | 207,6 | 207,2 | 206,8 | 205,6 | 205,2 | 204,8 | 204,4 | 204,0 | 203,6 | 203,2 | 4 |
| 5 | 261,5 | 261,0 | 260,5 | 260,0 | 259,5 | 259,0 | 258,5 | 257,0 | 256,5 | 256,0 | 255,5 | 255,0 | 254,5 | 254,0 | 5 |
| 6 | 313,8 | 313,2 | 312,6 | 312,0 | 311,4 | 310,8 | 310,2 | 308,4 | 307,8 | 307,2 | 306,6 | 306,0 | 305,4 | 304,8 | 6 |
| 7 | 366,1 | 365,4 | 364,7 | 364,0 | 363,3 | 362,6 | 361,9 | 359,8 | 359,1 | 358,4 | 357,7 | 357,0 | 356,3 | 355,6 | 7 |
| 8 | 418,4 | 417,6 | 416,8 | 416,0 | 415,2 | 414,4 | 413,6 | 411,2 | 410,4 | 409,6 | 408,8 | 408,0 | 407,2 | 406,4 | 8 |
| 9 | 470,7 | 469,8 | 468,9 | 468,0 | 467,1 | 466,2 | 465,3 | 462,6 | 461,7 | 460,8 | 459,9 | 459,0 | 458,1 | 457,2 | 9 |

| 8g | 508 | 517 | 517 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.12** | **9.12** | **0.87** | **9.99** | |
| **50 oo** | 42477 | 81303 | 18697 | 61174 | **50 oo** |
| 10 | 42985 | 81820 | 18180 | 61164 | 90 |
| 20 | 43492 | 82337 | 17663 | 61155 | 80 |
| 30 | 44000 | 82854 | 17146 | 61146 | 70 |
| 40 | 44508 | 83371 | 16629 | 61137 | 60 |
| 50 | 45015 | 83888 | 16112 | 61128 | 50 |
| 60 | 45523 | 84404 | 15596 | 61119 | 40 |
| 70 | 46031 | 84921 | 15079 | 61109 | 30 |
| 80 | 46538 | 85438 | 14562 | 61100 | 20 |
| 90 | 47045 | 85954 | 14046 | 61091 | 10 |
| **51 oo** | 47553 | 86471 | 13529 | 61082 | **49 oo** |
| 10 | 48060 | 86987 | 13013 | 61073 | 90 |
| 20 | 48567 | 87504 | 12496 | 61064 | 80 |
| 30 | 49074 | 88020 | 11980 | 61054 | 70 |
| 40 | 49581 | 88536 | 11464 | 61045 | 60 |
| 50 | 50088 | 89052 | 10948 | 61036 | 50 |
| 60 | 50595 | 89568 | 10432 | 61027 | 40 |
| 70 | 51102 | 90085 | 09915 | 61018 | 30 |
| 80 | 51609 | 90601 | 09399 | 61009 | 20 |
| 90 | 52116 | 91117 | 08883 | 60999 | 10 |
| **52 oo** | 52623 | 91632 | 08368 | 60990 | **48 oo** |
| 10 | 53129 | 92148 | 07852 | 60981 | 90 |
| 20 | 53636 | 92664 | 07336 | 60972 | 80 |
| 30 | 54142 | 93180 | 06820 | 60963 | 70 |
| 40 | 54649 | 93695 | 06305 | 60953 | 60 |
| 50 | 55155 | 94211 | 05789 | 60944 | 50 |
| 60 | 55662 | 94727 | 05273 | 60935 | 40 |
| 70 | 56168 | 95242 | 04758 | 60926 | 30 |
| 80 | 56674 | 95757 | 04243 | 60917 | 20 |
| 90 | 57180 | 96273 | 03727 | 60907 | 10 |
| **53 oo** | 57686 | 96788 | 03212 | 60898 | **47 oo** |
| 10 | 58193 | 97303 | 02697 | 60889 | 90 |
| 20 | 58699 | 97819 | 02181 | 60880 | 80 |
| 30 | 59204 | 98334 | 01666 | 60871 | 70 |
| 40 | 59710 | 98849 | 01151 | 60861 | 60 |
| 50 | 60216 | 99364 | 00636 | 60852 | 50 |
| 60 | 60722 | 99879 | 00121 | 60843 | 40 |
| 70 | 61228 | ∗00394 | ∗99606 | 60834 | 30 |
| 80 | 61733 | ∗00909 | ∗99091 | 60825 | 20 |
| 90 | 62239 | ∗01423 | ∗98577 | 60815 | 10 |
| **54 oo** | 62744 | ∗01938 | ∗98062 | 60806 | **46 oo** |
| 10 | 63250 | ∗02453 | ∗97547 | 60797 | 90 |
| 20 | 63755 | ∗02967 | ∗97033 | 60788 | 80 |
| 30 | 64261 | ∗03482 | ∗96518 | 60779 | 70 |
| 40 | 64766 | ∗03996 | ∗96004 | 60769 | 60 |
| 50 | 65271 | ∗04511 | ∗95489 | 60760 | 50 |
| 60 | 65776 | ∗05025 | ∗94975 | 60751 | 40 |
| 70 | 66281 | ∗05539 | ∗94461 | 60742 | 30 |
| 80 | 66786 | ∗06054 | ∗93946 | 60733 | 20 |
| 90 | 67291 | ∗06568 | ∗93432 | 60723 | 10 |
| **55 oo** | 67796 | ∗07082 | ∗92918 | 60714 | **45 oo** |
| | **9.12** | ∗**9.13** | ∗**0.86** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **91g** |
| | 505 | 514 | 514 | 10 | |

| 8g | 505 | 514 | 514 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.12** | **9.13** | **0.86** | **9.99** | |
| **55 oo** | 67796 | 07082 | 92918 | 60714 | **45 oo** |
| 10 | 68301 | 07596 | 92404 | 60705 | 90 |
| 20 | 68806 | 08110 | 91890 | 60696 | 80 |
| 30 | 69311 | 08624 | 91376 | 60686 | 70 |
| 40 | 69815 | 09138 | 90862 | 60677 | 60 |
| 50 | 70320 | 09652 | 90348 | 60668 | 50 |
| 60 | 70824 | 10166 | 89834 | 60659 | 40 |
| 70 | 71329 | 10679 | 89321 | 60650 | 30 |
| 80 | 71833 | 11193 | 88807 | 60640 | 20 |
| 90 | 72338 | 11707 | 88293 | 60631 | 10 |
| **56 oo** | 72842 | 12220 | 87780 | 60622 | **44 oo** |
| 10 | 73346 | 12734 | 87266 | 60613 | 90 |
| 20 | 73851 | 13247 | 86753 | 60603 | 80 |
| 30 | 74355 | 13761 | 86239 | 60594 | 70 |
| 40 | 74859 | 14274 | 85726 | 60585 | 60 |
| 50 | 75363 | 14787 | 85213 | 60576 | 50 |
| 60 | 75867 | 15300 | 84700 | 60567 | 40 |
| 70 | 76371 | 15813 | 84187 | 60557 | 30 |
| 80 | 76875 | 16326 | 83674 | 60548 | 20 |
| 90 | 77378 | 16840 | 83160 | 60539 | 10 |
| **57 oo** | 77882 | 17352 | 82648 | 60530 | **43 oo** |
| 10 | 78386 | 17865 | 82135 | 60520 | 90 |
| 20 | 78889 | 18378 | 81622 | 60511 | 80 |
| 30 | 79393 | 18891 | 81109 | 60502 | 70 |
| 40 | 79896 | 19404 | 80596 | 60493 | 60 |
| 50 | 80400 | 19916 | 80084 | 60483 | 50 |
| 60 | 80903 | 20429 | 79571 | 60474 | 40 |
| 70 | 81406 | 20942 | 79058 | 60465 | 30 |
| 80 | 81910 | 21454 | 78546 | 60456 | 20 |
| 90 | 82413 | 21967 | 78033 | 60446 | 10 |
| **58 oo** | 82916 | 22479 | 77521 | 60437 | **42 oo** |
| 10 | 83419 | 22991 | 77009 | 60428 | 90 |
| 20 | 83922 | 23504 | 76496 | 60419 | 80 |
| 30 | 84425 | 24016 | 75984 | 60409 | 70 |
| 40 | 84928 | 24528 | 75472 | 60400 | 60 |
| 50 | 85431 | 25040 | 74960 | 60391 | 50 |
| 60 | 85934 | 25552 | 74448 | 60382 | 40 |
| 70 | 86436 | 26064 | 73936 | 60372 | 30 |
| 80 | 86939 | 26576 | 73424 | 60363 | 20 |
| 90 | 87442 | 27088 | 72912 | 60354 | 10 |
| **59 oo** | 87944 | 27600 | 72400 | 60345 | **41 oo** |
| 10 | 88447 | 28111 | 71889 | 60335 | 90 |
| 20 | 88949 | 28623 | 71377 | 60326 | 80 |
| 30 | 89451 | 29135 | 70865 | 60317 | 70 |
| 40 | 89954 | 29646 | 70354 | 60308 | 60 |
| 50 | 90456 | 30158 | 69842 | 60298 | 50 |
| 60 | 90958 | 30669 | 69331 | 60289 | 40 |
| 70 | 91460 | 31181 | 68819 | 60280 | 30 |
| 80 | 91962 | 31692 | 68308 | 60270 | 20 |
| 90 | 92464 | 32203 | 67797 | 60261 | 10 |
| **60 oo** | 92966 | 32714 | 67286 | 60252 | **40 oo** |
| | **9.12** | **9.13** | **0.86** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **91g** |
| | 502 | 511 | 511 | 10 | |

| | 517 | 516 | 515 | 514 | 513 | 512 | 511 | 508 | 507 | 506 | 505 | 504 | 503 | 502 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 51,7 | 51,6 | 51,5 | 51,4 | 51,3 | 51,2 | 51,1 | 50,8 | 50,7 | 50,6 | 50,5 | 50,4 | 50,3 | 50,2 | 1 |
| 2 | 103,4 | 103,2 | 103,0 | 102,8 | 102,6 | 102,4 | 102,2 | 101,6 | 101,4 | 101,2 | 101,0 | 100,8 | 100,6 | 100,4 | 2 |
| 3 | 155,1 | 154,8 | 154,5 | 154,2 | 153,9 | 153,6 | 153,3 | 152,4 | 152,1 | 151,8 | 151,5 | 151,2 | 150,9 | 150,6 | 3 |
| 4 | 206,8 | 206,4 | 206,0 | 205,6 | 205,2 | 204,8 | 204,4 | 203,2 | 202,8 | 202,4 | 202,0 | 201,6 | 201,2 | 200,8 | 4 |
| 5 | 258,5 | 258,0 | 257,5 | 257,0 | 256,5 | 256,0 | 255,5 | 254,0 | 253,5 | 253,0 | 252,5 | 252,0 | 251,5 | 251,0 | 5 |
| 6 | 310,2 | 309,6 | 309,0 | 308,4 | 307,8 | 307,2 | 306,6 | 304,8 | 304,2 | 303,6 | 303,0 | 302,4 | 301,8 | 301,2 | 6 |
| 7 | 361,9 | 361,2 | 360,5 | 359,8 | 359,1 | 358,4 | 357,7 | 355,6 | 354,9 | 354,2 | 353,5 | 352,8 | 352,1 | 351,4 | 7 |
| 8 | 413,6 | 412,8 | 412,0 | 411,2 | 410,4 | 409,6 | 408,8 | 406,4 | 405,6 | 404,8 | 404,0 | 403,2 | 402,4 | 401,6 | 8 |
| 9 | 465,3 | 464,4 | 463,5 | 462,6 | 461,7 | 460,8 | 459,9 | 457,2 | 456,3 | 455,4 | 454,5 | 453,6 | 452,7 | 451,8 | 9 |

| $8^g$ | 502 | 512 | 512 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9.12** | **9.13** | **0.86** | **9.99** | |
| **60 oo** | *92966 | 32714 | 67286 | 60252 | **40 oo** |
| 10 | *93468 | 33226 | 66774 | 60243 | 90 |
| 20 | *93970 | 33737 | 66263 | 60233 | 80 |
| 30 | *94472 | 34248 | 65752 | 60224 | 70 |
| 40 | *94973 | 34759 | 65241 | 60215 | 60 |
| 50 | *95475 | 35270 | 64730 | 60206 | 50 |
| 60 | *95977 | 35780 | 64220 | 60196 | 40 |
| 70 | *96478 | 36291 | 63709 | 60187 | 30 |
| 80 | *96980 | 36802 | 63198 | 60178 | 20 |
| 90 | *97481 | 37313 | 62687 | 60168 | 10 |
| **61 oo** | *97982 | 37823 | 62177 | 60159 | **39 oo** |
| 10 | *98484 | 38334 | 61666 | 60150 | 90 |
| 20 | *98985 | 38844 | 61156 | 60141 | 80 |
| 30 | *99486 | 39355 | 60645 | 60131 | 70 |
| 40 | *99987 | 39865 | 60135 | 60122 | 60 |
| 50 | 00488 | 40376 | 59624 | 60113 | 50 |
| 60 | 00989 | 40886 | 59114 | 60103 | 40 |
| 70 | 01490 | 41396 | 58604 | 60094 | 30 |
| 80 | 01991 | 41906 | 58094 | 60085 | 20 |
| 90 | 02492 | 42416 | 57584 | 60076 | 10 |
| **62 oo** | 02993 | 42927 | 57073 | 60066 | **38 oo** |
| 10 | 03494 | 43437 | 56563 | 60057 | 90 |
| 20 | 03994 | 43947 | 56053 | 60048 | 80 |
| 30 | 04495 | 44456 | 55544 | 60038 | 70 |
| 40 | 04995 | 44966 | 55034 | 60029 | 60 |
| 50 | 05496 | 45476 | 54524 | 60020 | 50 |
| 60 | 05996 | 45986 | 54014 | 60010 | 40 |
| 70 | 06497 | 46495 | 53505 | 60001 | 30 |
| 80 | 06997 | 47005 | 52995 | 59992 | 20 |
| 90 | 07497 | 47515 | 52485 | 59983 | 10 |
| **63 oo** | 07997 | 48024 | 51976 | 59973 | **37 oo** |
| 10 | 08497 | 48533 | 51467 | 59964 | 90 |
| 20 | 08997 | 49043 | 50957 | 59955 | 80 |
| 30 | 09497 | 49552 | 50448 | 59945 | 70 |
| 40 | 09997 | 50061 | 49939 | 59936 | 60 |
| 50 | 10497 | 50571 | 49429 | 59927 | 50 |
| 60 | 10997 | 51080 | 48920 | 59917 | 40 |
| 70 | 11497 | 51589 | 48411 | 59908 | 30 |
| 80 | 11997 | 52098 | 47902 | 59899 | 20 |
| 90 | 12496 | 52607 | 47393 | 59889 | 10 |
| **64 oo** | 12996 | 53116 | 46884 | 59880 | **36 oo** |
| 10 | 13495 | 53625 | 46375 | 59871 | 90 |
| 20 | 13995 | 54133 | 45867 | 59862 | 80 |
| 30 | 14494 | 54642 | 45358 | 59852 | 70 |
| 40 | 14994 | 55151 | 44849 | 59843 | 60 |
| 50 | 15493 | 55659 | 44341 | 59834 | 50 |
| 60 | 15992 | 56168 | 43832 | 59824 | 40 |
| 70 | 16491 | 56676 | 43324 | 59815 | 30 |
| 80 | 16991 | 57185 | 42815 | 59806 | 20 |
| 90 | 17490 | 57693 | 42307 | 59796 | 10 |
| **65 oo** | 17989 | 58202 | 41798 | 59787 | **35 oo** |
| | **9.13** | **9.13** | **0.86** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $91^g$ |
| | 499 | 508 | 508 | 10 | |

| $8^g$ | 499 | 508 | 508 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.13** | **9.13** | **0.86** | **9.99** | |
| **65 oo** | 17989 | 58202 | 41798 | 59787 | **35 oo** |
| 10 | 18488 | 58710 | 41290 | 59778 | 90 |
| 20 | 18986 | 59218 | 40782 | 59768 | 80 |
| 30 | 19485 | 59726 | 40274 | 59759 | 70 |
| 40 | 19984 | 60234 | 39766 | 59750 | 60 |
| 50 | 20483 | 60742 | 39258 | 59740 | 50 |
| 60 | 20981 | 61250 | 38750 | 59731 | 40 |
| 70 | 21480 | 61758 | 38242 | 59722 | 30 |
| 80 | 21979 | 62266 | 37734 | 59712 | 20 |
| 90 | 22477 | 62774 | 37226 | 59703 | 10 |
| **66 oo** | 22975 | 63282 | 36718 | 59694 | **34 oo** |
| 10 | 23474 | 63790 | 36210 | 59684 | 90 |
| 20 | 23972 | 64297 | 35703 | 59675 | 80 |
| 30 | 24470 | 64805 | 35195 | 59666 | 70 |
| 40 | 24969 | 65312 | 34688 | 59656 | 60 |
| 50 | 25467 | 65820 | 34180 | 59647 | 50 |
| 60 | 25965 | 66327 | 33673 | 59638 | 40 |
| 70 | 26463 | 66835 | 33165 | 59628 | 30 |
| 80 | 26961 | 67342 | 32658 | 59619 | 20 |
| 90 | 27459 | 67849 | 32151 | 59610 | 10 |
| **67 oo** | 27957 | 68356 | 31644 | 59600 | **33 oo** |
| 10 | 28454 | 68863 | 31137 | 59591 | 90 |
| 20 | 28952 | 69371 | 30629 | 59581 | 80 |
| 30 | 29450 | 69878 | 30122 | 59572 | 70 |
| 40 | 29947 | 70385 | 29615 | 59563 | 60 |
| 50 | 30445 | 70891 | 29109 | 59553 | 50 |
| 60 | 30942 | 71398 | 28602 | 59544 | 40 |
| 70 | 31440 | 71905 | 28095 | 59535 | 30 |
| 80 | 31937 | 72412 | 27588 | 59525 | 20 |
| 90 | 32435 | 72919 | 27081 | 59516 | 10 |
| **68 oo** | 32932 | 73425 | 26575 | 59507 | **32 oo** |
| 10 | 33429 | 73932 | 26068 | 59497 | 90 |
| 20 | 33926 | 74438 | 25562 | 59488 | 80 |
| 30 | 34423 | 74945 | 25055 | 59479 | 70 |
| 40 | 34920 | 75451 | 24549 | 59469 | 60 |
| 50 | 35417 | 75957 | 24043 | 59460 | 50 |
| 60 | 35914 | 76464 | 23536 | 59450 | 40 |
| 70 | 36411 | 76970 | 23030 | 59441 | 30 |
| 80 | 36908 | 77476 | 22524 | 59432 | 20 |
| 90 | 37405 | 77982 | 22018 | 59422 | 10 |
| **69 oo** | 37901 | 78488 | 21512 | 59413 | **31 oo** |
| 10 | 38398 | 78994 | 21006 | 59404 | 90 |
| 20 | 38894 | 79500 | 20500 | 59394 | 80 |
| 30 | 39391 | 80006 | 19994 | 59385 | 70 |
| 40 | 39887 | 80512 | 19488 | 59376 | 60 |
| 50 | 40384 | 81018 | 18982 | 59366 | 50 |
| 60 | 40880 | 81523 | 18477 | 59357 | 40 |
| 70 | 41376 | 82029 | 17971 | 59347 | 30 |
| 80 | 41873 | 82535 | 17465 | 59338 | 20 |
| 90 | 42369 | 83040 | 16960 | 59329 | 10 |
| **70 oo** | 42865 | 83546 | 16454 | 59319 | **30 oo** |
| | **9.13** | **9.13** | **0.86** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $91^g$ |
| | 496 | 505 | 505 | 10 | |

| | 512 | 511 | 510 | 509 | 508 | 507 | 506 | 505 | 502 | 501 | 500 | 499 | 498 | 497 | 496 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 51,2 | 51,1 | 51,0 | 50,9 | 50,8 | 50,7 | 50,6 | 50,5 | 50,2 | 50,1 | 50,0 | 49,9 | 49,8 | 49,7 | 49,6 | 1 |
| 2 | 102,4 | 102,2 | 102,0 | 101,8 | 101,6 | 101,4 | 101,2 | 101,0 | 100,4 | 100,2 | 100,0 | 99,8 | 99,6 | 99,4 | 99,2 | 2 |
| 3 | 153,6 | 153,3 | 153,0 | 152,7 | 152,4 | 152,1 | 151,8 | 151,5 | 150,6 | 150,3 | 150,0 | 149,7 | 149,4 | 149,1 | 148,8 | 3 |
| 4 | 204,8 | 204,4 | 204,0 | 203,6 | 203,2 | 202,8 | 202,4 | 202,0 | 200,8 | 200,4 | 200,0 | 199,6 | 199,2 | 198,8 | 198,4 | 4 |
| 5 | 256,0 | 255,5 | 255,0 | 254,5 | 254,0 | 253,5 | 253,0 | 252,5 | 251,0 | 250,5 | 250,0 | 249,5 | 249,0 | 248,5 | 248,0 | 5 |
| 6 | 307,2 | 306,6 | 306,0 | 305,4 | 304,8 | 304,2 | 303,6 | 303,0 | 301,2 | 300,6 | 300,0 | 299,4 | 298,8 | 298,2 | 297,6 | 6 |
| 7 | 358,4 | 357,7 | 357,0 | 356,3 | 355,6 | 354,9 | 354,2 | 353,5 | 351,4 | 350,7 | 350,0 | 349,3 | 348,6 | 347,9 | 347,2 | 7 |
| 8 | 409,6 | 408,8 | 408,0 | 407,2 | 406,4 | 405,6 | 404,8 | 404,0 | 401,6 | 400,8 | 400,0 | 399,2 | 398,4 | 397,6 | 396,8 | 8 |
| 9 | 460,8 | 459,9 | 459,0 | 458,1 | 457,2 | 456,3 | 455,4 | 454,5 | 451,8 | 450,9 | 450,0 | 449,1 | 448,2 | 447,3 | 446,4 | 9 |

| 8g | 496 | 506 | 506 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.13** | **9.13** | **0.86** | **9.99** | |
| **70 oo** | 42865 | 83546 | 16454 | 59319 | **30 oo** |
| 10 | 43361 | 84051 | 15949 | 59310 | 90 |
| 20 | 43857 | 84556 | 15444 | 59300 | 80 |
| 30 | 44353 | 85062 | 14938 | 59291 | 70 |
| 40 | 44849 | 85567 | 14433 | 59282 | 60 |
| 50 | 45345 | 86072 | 13928 | 59272 | 50 |
| 60 | 45840 | 86577 | 13423 | 59263 | 40 |
| 70 | 46336 | 87082 | 12918 | 59254 | 30 |
| 80 | 46832 | 87588 | 12412 | 59244 | 20 |
| 90 | 47327 | 88092 | 11908 | 59235 | 10 |
| **71 oo** | 47823 | 88597 | 11403 | 59225 | **29 oo** |
| 10 | 48318 | 89102 | 10898 | 59216 | 90 |
| 20 | 48814 | 89607 | 10393 | 59207 | 80 |
| 30 | 49309 | 90112 | 09888 | 59197 | 70 |
| 40 | 49804 | 90617 | 09383 | 59188 | 60 |
| 50 | 50300 | 91121 | 08879 | 59178 | 50 |
| 60 | 50795 | 91626 | 08374 | 59169 | 40 |
| 70 | 51290 | 92130 | 07870 | 59160 | 30 |
| 80 | 51785 | 92635 | 07365 | 59150 | 20 |
| 90 | 52280 | 93139 | 06861 | 59141 | 10 |
| **72 oo** | 52775 | 93644 | 06356 | 59131 | **28 oo** |
| 10 | 53270 | 94148 | 05852 | 59122 | 90 |
| 20 | 53765 | 94652 | 05348 | 59113 | 80 |
| 30 | 54259 | 95156 | 04844 | 59103 | 70 |
| 40 | 54754 | 95660 | 04340 | 59094 | 60 |
| 50 | 55249 | 96164 | 03836 | 59084 | 50 |
| 60 | 55743 | 96668 | 03332 | 59075 | 40 |
| 70 | 56238 | 97172 | 02828 | 59066 | 30 |
| 80 | 56732 | 97676 | 02324 | 59056 | 20 |
| 90 | 57227 | 98180 | 01820 | 59047 | 10 |
| **73 oo** | 57721 | 98684 | 01316 | 59037 | **27 oo** |
| 10 | 58216 | 99188 | 00812 | 59028 | 90 |
| 20 | 58710 | 99691 | 00309 | 59018 | 80 |
| 30 | 59204 | *00195 | *99805 | 59009 | 70 |
| 40 | 59698 | *00699 | *99301 | 59000 | 60 |
| 50 | 60192 | *01202 | *98798 | 58990 | 50 |
| 60 | 60686 | *01706 | *98294 | 58981 | 40 |
| 70 | 61180 | *02209 | *97791 | 58971 | 30 |
| 80 | 61674 | *02712 | *97288 | 58962 | 20 |
| 90 | 62168 | *03216 | *96784 | 58953 | 10 |
| **74 oo** | 62662 | *03719 | *96281 | 58943 | **26 oo** |
| 10 | 63156 | *04222 | *95778 | 58934 | 90 |
| 20 | 63649 | *04725 | *95275 | 58924 | 80 |
| 30 | 64143 | *05228 | *94772 | 58915 | 70 |
| 40 | 64637 | *05731 | *94269 | 58905 | 60 |
| 50 | 65130 | *06234 | *93766 | 58896 | 50 |
| 60 | 65624 | *06737 | *93263 | 58887 | 40 |
| 70 | 66117 | *07240 | *92760 | 58877 | 30 |
| 80 | 66610 | *07743 | *92257 | 58868 | 20 |
| 90 | 67104 | *08245 | *91755 | 58858 | 10 |
| **75 oo** | 67597 | *08748 | *91252 | 58849 | **25 oo** |
| | **9.13** | ***9.14** | ***0.85** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **91g** |
| | 493 | 502 | 502 | 10 | |

| 8g | 493 | 503 | 503 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.13** | **9.14** | **0.85** | **9.99** | |
| **75 oo** | 67597 | 08748 | 91252 | 58849 | **25 oo** |
| 10 | 68090 | 09251 | 90749 | 58839 | 90 |
| 20 | 68583 | 09753 | 90247 | 58830 | 80 |
| 30 | 69076 | 10256 | 89744 | 58821 | 70 |
| 40 | 69569 | 10758 | 89242 | 58811 | 60 |
| 50 | 70062 | 11261 | 88739 | 58802 | 50 |
| 60 | 70555 | 11763 | 88237 | 58792 | 40 |
| 70 | 71048 | 12265 | 87735 | 58783 | 30 |
| 80 | 71541 | 12767 | 87233 | 58773 | 20 |
| 90 | 72033 | 13270 | 86730 | 58764 | 10 |
| **76 oo** | 72526 | 13772 | 86228 | 58754 | **24 oo** |
| 10 | 73019 | 14274 | 85726 | 58745 | 90 |
| 20 | 73511 | 14776 | 85224 | 58736 | 80 |
| 30 | 74004 | 15278 | 84722 | 58726 | 70 |
| 40 | 74496 | 15780 | 84220 | 58717 | 60 |
| 50 | 74989 | 16281 | 83719 | 58707 | 50 |
| 60 | 75481 | 16783 | 83217 | 58698 | 40 |
| 70 | 75973 | 17285 | 82715 | 58688 | 30 |
| 80 | 76465 | 17787 | 82213 | 58679 | 20 |
| 90 | 76958 | 18288 | 81712 | 58669 | 10 |
| **77 oo** | 77450 | 18790 | 81210 | 58660 | **23 oo** |
| 10 | 77942 | 19291 | 80709 | 58650 | 90 |
| 20 | 78434 | 19793 | 80207 | 58641 | 80 |
| 30 | 78926 | 20294 | 79706 | 58632 | 70 |
| 40 | 79417 | 20795 | 79205 | 58622 | 60 |
| 50 | 79909 | 21297 | 78703 | 58613 | 50 |
| 60 | 80401 | 21798 | 78202 | 58603 | 40 |
| 70 | 80893 | 22299 | 77701 | 58594 | 30 |
| 80 | 81384 | 22800 | 77200 | 58584 | 20 |
| 90 | 81876 | 23301 | 76699 | 58575 | 10 |
| **78 oo** | 82367 | 23802 | 76198 | 58565 | **22 oo** |
| 10 | 82859 | 24303 | 75697 | 58556 | 90 |
| 20 | 83350 | 24804 | 75196 | 58546 | 80 |
| 30 | 83842 | 25305 | 74695 | 58537 | 70 |
| 40 | 84333 | 25806 | 74194 | 58527 | 60 |
| 50 | 84824 | 26306 | 73694 | 58518 | 50 |
| 60 | 85315 | 26807 | 73193 | 58508 | 40 |
| 70 | 85807 | 27308 | 72692 | 58499 | 30 |
| 80 | 86298 | 27808 | 72192 | 58489 | 20 |
| 90 | 86789 | 28309 | 71691 | 58480 | 10 |
| **79 oo** | 87280 | 28809 | 71191 | 58471 | **21 oo** |
| 10 | 87771 | 29310 | 70690 | 58461 | 90 |
| 20 | 88261 | 29810 | 70190 | 58452 | 80 |
| 30 | 88752 | 30310 | 69690 | 58442 | 70 |
| 40 | 89243 | 30810 | 69190 | 58433 | 60 |
| 50 | 89734 | 31311 | 68689 | 58423 | 50 |
| 60 | 90224 | 31811 | 68189 | 58414 | 40 |
| 70 | 90715 | 32311 | 67689 | 58404 | 30 |
| 80 | 91205 | 32811 | 67189 | 58395 | 20 |
| 90 | 91696 | 33311 | 66689 | 58385 | 10 |
| **80 oo** | 92186 | 33811 | 66189 | 58376 | **20 oo** |
| | **9.13** | **9.14** | **0.85** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **91g** |
| | 490 | 500 | 500 | 10 | |

| | 506 | 505 | 504 | 503 | 502 | 501 | 500 | 496 | 495 | 494 | 493 | 492 | 491 | 490 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 50,6 | 50,5 | 50,4 | 50,3 | 50,2 | 50,1 | 50,0 | 49,6 | 49,5 | 49,4 | 49,3 | 49,2 | 49,1 | 49,0 | 1 |
| 2 | 101,2 | 101,0 | 100,8 | 100,6 | 100,4 | 100,2 | 100,0 | 99,2 | 99,0 | 98,8 | 98,6 | 98,4 | 98,2 | 98,0 | 2 |
| 3 | 151,8 | 151,5 | 151,2 | 150,9 | 150,6 | 150,3 | 150,0 | 148,8 | 148,5 | 148,2 | 147,9 | 147,6 | 147,3 | 147,0 | 3 |
| 4 | 202,4 | 202,0 | 201,6 | 201,2 | 200,8 | 200,4 | 200,0 | 198,4 | 198,0 | 197,6 | 197,2 | 196,8 | 196,4 | 196,0 | 4 |
| 5 | 253,0 | 252,5 | 252,0 | 251,5 | 251,0 | 250,5 | 250,0 | 248,0 | 247,5 | 247,0 | 246,5 | 246,0 | 245,5 | 245,0 | 5 |
| 6 | 303,6 | 303,0 | 302,4 | 301,8 | 301,2 | 300,6 | 300,0 | 297,6 | 297,0 | 296,4 | 295,8 | 295,2 | 294,6 | 294,0 | 6 |
| 7 | 354,2 | 353,5 | 352,8 | 352,1 | 351,4 | 350,7 | 350,0 | 347,2 | 346,5 | 345,8 | 345,1 | 344,4 | 343,7 | 343,0 | 7 |
| 8 | 404,8 | 404,0 | 403,2 | 402,4 | 401,6 | 400,8 | 400,0 | 396,8 | 396,0 | 395,2 | 394,4 | 393,6 | 392,8 | 392,0 | 8 |
| 9 | 455,4 | 454,5 | 453,6 | 452,7 | 451,8 | 450,9 | 450,0 | 446,4 | 445,5 | 444,6 | 443,7 | 442,8 | 441,9 | 441,0 | 9 |

| $8^g$ | 491 | 500 | 500 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9.13** | **9.14** | **0.85** | **9.99** | |
| **80 oo** | *92186 | 33811 | 66189 | 58376 | **20 oo** |
| 10 | *92677 | 34310 | 65690 | 58366 | 90 |
| 20 | *93167 | 34810 | 65190 | 58357 | 80 |
| 30 | *93657 | 35310 | 64690 | 58347 | 70 |
| 40 | *94147 | 35809 | 64191 | 58338 | 60 |
| 50 | *94637 | 36309 | 63691 | 58328 | 50 |
| 60 | *95127 | 36809 | 63191 | 58319 | 40 |
| 70 | *95617 | 37308 | 62692 | 58309 | 30 |
| 80 | *96107 | 37808 | 62192 | 58300 | 20 |
| 90 | *96597 | 38307 | 61693 | 58290 | 10 |
| **81 oo** | *97087 | 38806 | 61194 | 58281 | **19 oo** |
| 10 | *97577 | 39306 | 60694 | 58271 | 90 |
| 20 | *98067 | 39805 | 60195 | 58262 | 80 |
| 30 | *98556 | 40304 | 59696 | 58252 | 70 |
| 40 | *99046 | 40803 | 59197 | 58243 | 60 |
| 50 | *99535 | 41302 | 58698 | 58233 | 50 |
| 60 | 00025 | 41801 | 58199 | 58224 | 40 |
| 70 | 00514 | 42300 | 57700 | 58214 | 30 |
| 80 | 01004 | 42799 | 57201 | 58205 | 20 |
| 90 | 01493 | 43298 | 56702 | 58195 | 10 |
| **82 oo** | 01982 | 43797 | 56203 | 58186 | **18 oo** |
| 10 | 02471 | 44295 | 55705 | 58176 | 90 |
| 20 | 02961 | 44794 | 55206 | 58167 | 80 |
| 30 | 03450 | 45293 | 54707 | 58157 | 70 |
| 40 | 03939 | 45791 | 54209 | 58148 | 60 |
| 50 | 04428 | 46290 | 53710 | 58138 | 50 |
| 60 | 04917 | 46788 | 53212 | 58129 | 40 |
| 70 | 05406 | 47287 | 52713 | 58119 | 30 |
| 80 | 05894 | 47785 | 52215 | 58110 | 20 |
| 90 | 06383 | 48283 | 51717 | 58100 | 10 |
| **83 oo** | 06872 | 48781 | 51219 | 58090 | **17 oo** |
| 10 | 07361 | 49280 | 50720 | 58081 | 90 |
| 20 | 07849 | 49778 | 50222 | 58071 | 80 |
| 30 | 08338 | 50276 | 49724 | 58062 | 70 |
| 40 | 08826 | 50774 | 49226 | 58052 | 60 |
| 50 | 09315 | 51272 | 48728 | 58043 | 50 |
| 60 | 09803 | 51770 | 48230 | 58033 | 40 |
| 70 | 10291 | 52268 | 47732 | 58024 | 30 |
| 80 | 10780 | 52765 | 47235 | 58014 | 20 |
| 90 | 11268 | 53263 | 46737 | 58005 | 10 |
| **84 oo** | 11756 | 53761 | 46239 | 57995 | **16 oo** |
| 10 | 12244 | 54258 | 45742 | 57986 | 90 |
| 20 | 12732 | 54756 | 45244 | 57976 | 80 |
| 30 | 13220 | 55253 | 44747 | 57967 | 70 |
| 40 | 13708 | 55751 | 44249 | 57957 | 60 |
| 50 | 14196 | 56248 | 43752 | 57947 | 50 |
| 60 | 14684 | 56746 | 43254 | 57938 | 40 |
| 70 | 15171 | 57243 | 42757 | 57928 | 30 |
| 80 | 15659 | 57740 | 42260 | 57919 | 20 |
| 90 | 16147 | 58237 | 41763 | 57909 | 10 |
| **85 oo** | 16634 | 58735 | 41265 | 57900 | **15 oo** |
| | **9.14** | **9.14** | **0.85** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $91^g$ |
| | 487 | 497 | 497 | 10 | |

| $8^g$ | 488 | 497 | 497 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.14** | **9.14** | **0.85** | **9.99** | |
| **85 oo** | 16634 | 58735 | 41265 | 57900 | **15 oo** |
| 10 | 17122 | 59232 | 40768 | 57890 | 90 |
| 20 | 17609 | 59729 | 40271 | 57881 | 80 |
| 30 | 18097 | 60226 | 39774 | 57871 | 70 |
| 40 | 18584 | 60723 | 39277 | 57862 | 60 |
| 50 | 19071 | 61219 | 38781 | 57852 | 50 |
| 60 | 19559 | 61716 | 38284 | 57842 | 40 |
| 70 | 20046 | 62213 | 37787 | 57833 | 30 |
| 80 | 20533 | 62710 | 37290 | 57823 | 20 |
| 90 | 21020 | 63206 | 36794 | 57814 | 10 |
| **86 oo** | 21507 | 63703 | 36297 | 57804 | **14 oo** |
| 10 | 21994 | 64199 | 35801 | 57795 | 90 |
| 20 | 22481 | 64696 | 35304 | 57785 | 80 |
| 30 | 22968 | 65192 | 34808 | 57776 | 70 |
| 40 | 23455 | 65689 | 34311 | 57766 | 60 |
| 50 | 23942 | 66185 | 33815 | 57756 | 50 |
| 60 | 24428 | 66681 | 33319 | 57747 | 40 |
| 70 | 24915 | 67177 | 32823 | 57737 | 30 |
| 80 | 25401 | 67674 | 32326 | 57728 | 20 |
| 90 | 25888 | 68170 | 31830 | 57718 | 10 |
| **87 oo** | 26374 | 68666 | 31334 | 57709 | **13 oo** |
| 10 | 26861 | 69162 | 30838 | 57699 | 90 |
| 20 | 27347 | 69658 | 30342 | 57690 | 80 |
| 30 | 27834 | 70154 | 29846 | 57680 | 70 |
| 40 | 28320 | 70649 | 29351 | 57670 | 60 |
| 50 | 28806 | 71145 | 28855 | 57661 | 50 |
| 60 | 29292 | 71641 | 28359 | 57651 | 40 |
| 70 | 29778 | 72137 | 27863 | 57642 | 30 |
| 80 | 30264 | 72632 | 27368 | 57632 | 20 |
| 90 | 30750 | 73128 | 26872 | 57623 | 10 |
| **88 oo** | 31236 | 73623 | 26377 | 57613 | **12 oo** |
| 10 | 31722 | 74119 | 25881 | 57603 | 90 |
| 20 | 32208 | 74614 | 25386 | 57594 | 80 |
| 30 | 32694 | 75109 | 24891 | 57584 | 70 |
| 40 | 33179 | 75605 | 24395 | 57575 | 60 |
| 50 | 33665 | 76100 | 23900 | 57565 | 50 |
| 60 | 34151 | 76595 | 23405 | 57555 | 40 |
| 70 | 34636 | 77090 | 22910 | 57546 | 30 |
| 80 | 35122 | 77585 | 22415 | 57536 | 20 |
| 90 | 35607 | 78080 | 21920 | 57527 | 10 |
| **89 oo** | 36092 | 78575 | 21425 | 57517 | **11 oo** |
| 10 | 36578 | 79070 | 20930 | 57508 | 90 |
| 20 | 37063 | 79565 | 20435 | 57498 | 80 |
| 30 | 37548 | 80060 | 19940 | 57488 | 70 |
| 40 | 38033 | 80555 | 19445 | 57479 | 60 |
| 50 | 38518 | 81049 | 18951 | 57469 | 50 |
| 60 | 39003 | 81544 | 18456 | 57460 | 40 |
| 70 | 39488 | 82038 | 17962 | 57450 | 30 |
| 80 | 39973 | 82533 | 17467 | 57440 | 20 |
| 90 | 40458 | 83027 | 16973 | 57431 | 10 |
| **90 oo** | 40943 | 83522 | 16478 | 57421 | **10 oo** |
| | **9.14** | **9.14** | **0.85** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $91^g$ |
| | 485 | 494 | 494 | 10 | |

| | 500 | 499 | 498 | 497 | 496 | 495 | 494 | 491 | 490 | 489 | 488 | 487 | 486 | 485 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 50,0 | 49,9 | 49,8 | 49,7 | 49,6 | 49,5 | 49,4 | 49,1 | 49,0 | 48,9 | 48,8 | 48,7 | 48,6 | 48,5 | 1 |
| 2 | 100,0 | 99,8 | 99,6 | 99,4 | 99,2 | 99,0 | 98,8 | 98,2 | 98,0 | 97,8 | 97,6 | 97,4 | 97,2 | 97,0 | 2 |
| 3 | 150,0 | 149,7 | 149,4 | 149,1 | 148,8 | 148,5 | 148,2 | 147,3 | 147,0 | 146,7 | 146,4 | 146,1 | 145,8 | 145,5 | 3 |
| 4 | 200,0 | 199,6 | 199,2 | 198,8 | 198,4 | 198,0 | 197,6 | 196,4 | 196,0 | 195,6 | 195,2 | 194,8 | 194,4 | 194,0 | 4 |
| 5 | 250,0 | 249,5 | 249,0 | 248,5 | 248,0 | 247,5 | 247,0 | 245,5 | 245,0 | 244,5 | 244,0 | 243,5 | 243,0 | 242,5 | 5 |
| 6 | 300,0 | 299,4 | 298,8 | 298,2 | 297,6 | 297,0 | 296,4 | 294,6 | 294,0 | 293,4 | 292,8 | 292,2 | 291,6 | 291,0 | 6 |
| 7 | 350,0 | 349,3 | 348,6 | 347,9 | 347,2 | 346,5 | 345,8 | 343,7 | 343,0 | 342,3 | 341,6 | 340,9 | 340,2 | 339,5 | 7 |
| 8 | 400,0 | 399,2 | 398,4 | 397,6 | 396,8 | 396,0 | 395,2 | 392,8 | 392,0 | 391,2 | 390,4 | 389,6 | 388,8 | 388,0 | 8 |
| 9 | 450,0 | 449,1 | 448,2 | 447,3 | 446,4 | 445,5 | 444,6 | 441,9 | 441,0 | 440,1 | 439,2 | 438,3 | 437,4 | 436,5 | 9 |

| 8g | 485 | 495 | 495 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.14** | **9.14** | **0.85** | **9.99** | |
| **90 oo** | 40943 | 83522 | 16478 | 57421 | **10 oo** |
| 10 | 41428 | 84016 | 15984 | 57412 | 90 |
| 20 | 41912 | 84510 | 15490 | 57402 | 80 |
| 30 | 42397 | 85005 | 14995 | 57392 | 70 |
| 40 | 42882 | 85499 | 14501 | 57383 | 60 |
| 50 | 43366 | 85993 | 14007 | 57373 | 50 |
| 60 | 43851 | 86487 | 13513 | 57364 | 40 |
| 70 | 44335 | 86981 | 13019 | 57354 | 30 |
| 80 | 44820 | 87475 | 12525 | 57344 | 20 |
| 90 | 45304 | 87969 | 12031 | 57335 | 10 |
| **91 oo** | 45788 | 88463 | 11537 | 57325 | **09 oo** |
| 10 | 46272 | 88957 | 11043 | 57315 | 90 |
| 20 | 46756 | 89451 | 10549 | 57306 | 80 |
| 30 | 47241 | 89944 | 10056 | 57296 | 70 |
| 40 | 47725 | 90438 | 09562 | 57287 | 60 |
| 50 | 48209 | 90932 | 09068 | 57277 | 50 |
| 60 | 48693 | 91425 | 08575 | 57267 | 40 |
| 70 | 49176 | 91919 | 08081 | 57258 | 30 |
| 80 | 49660 | 92412 | 07588 | 57248 | 20 |
| 90 | 50144 | 92905 | 07095 | 57239 | 10 |
| **92 oo** | 50628 | 93399 | 06601 | 57229 | **08 oo** |
| 10 | 51111 | 93892 | 06108 | 57219 | 90 |
| 20 | 51595 | 94385 | 05615 | 57210 | 80 |
| 30 | 52079 | 94878 | 05122 | 57200 | 70 |
| 40 | 52562 | 95372 | 04628 | 57190 | 60 |
| 50 | 53045 | 95865 | 04135 | 57181 | 50 |
| 60 | 53529 | 96358 | 03642 | 57171 | 40 |
| 70 | 54012 | 96851 | 03149 | 57162 | 30 |
| 80 | 54495 | 97344 | 02656 | 57152 | 20 |
| 90 | 54979 | 97836 | 02164 | 57142 | 10 |
| **93 oo** | 55462 | 98329 | 01671 | 57133 | **07 oo** |
| 10 | 55945 | 98822 | 01178 | 57123 | 90 |
| 20 | 56428 | 99315 | 00685 | 57113 | 80 |
| 30 | 56911 | 99807 | 00193 | 57104 | 70 |
| 40 | 57394 | *00300 | *99700 | 57094 | 60 |
| 50 | 57877 | *00792 | *99208 | 57085 | 50 |
| 60 | 58360 | *01285 | *98715 | 57075 | 40 |
| 70 | 58842 | *01777 | *98223 | 57065 | 30 |
| 80 | 59325 | *02270 | *97730 | 57056 | 20 |
| 90 | 59808 | *02762 | *97238 | 57046 | 10 |
| **94 oo** | 60290 | *03254 | *96746 | 57036 | **06 oo** |
| 10 | 60773 | *03746 | *96254 | 57027 | 90 |
| 20 | 61256 | *04239 | *95761 | 57017 | 80 |
| 30 | 61738 | *04731 | *95269 | 57007 | 70 |
| 40 | 62220 | *05223 | *94777 | 56998 | 60 |
| 50 | 62703 | *05715 | *94285 | 56988 | 50 |
| 60 | 63185 | *06207 | *93793 | 56978 | 40 |
| 70 | 63667 | *06699 | *93301 | 56969 | 30 |
| 80 | 64149 | *07190 | *92810 | 56959 | 20 |
| 90 | 64632 | *07682 | *92318 | 56949 | 10 |
| **95 oo** | 65114 | *08174 | *91826 | 56940 | **05 oo** |
| | **9.14** | ***9.15** | ***0.84** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **91g** |
| | 482 | 491 | 491 | 10 | |

| 8g | 482 | 492 | 492 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.14** | **9.15** | **0.84** | **9.99** | |
| **95 oo** | 65114 | 08174 | 91826 | 56940 | **05 oo** |
| 10 | 65596 | 08666 | 91334 | 56930 | 90 |
| 20 | 66078 | 09157 | 90843 | 56920 | 80 |
| 30 | 66560 | 09649 | 90351 | 56911 | 70 |
| 40 | 67041 | 10140 | 89860 | 56901 | 60 |
| 50 | 67523 | 10632 | 89368 | 56892 | 50 |
| 60 | 68005 | 11123 | 88877 | 56882 | 40 |
| 70 | 68487 | 11614 | 88386 | 56872 | 30 |
| 80 | 68968 | 12106 | 87894 | 56863 | 20 |
| 90 | 69450 | 12597 | 87403 | 56853 | 10 |
| **96 oo** | 69931 | 13088 | 86912 | 56843 | **04 oo** |
| 10 | 70413 | 13579 | 86421 | 56834 | 90 |
| 20 | 70894 | 14070 | 85930 | 56824 | 80 |
| 30 | 71376 | 14561 | 85439 | 56814 | 70 |
| 40 | 71857 | 15052 | 84948 | 56805 | 60 |
| 50 | 72338 | 15543 | 84457 | 56795 | 50 |
| 60 | 72819 | 16034 | 83966 | 56785 | 40 |
| 70 | 73301 | 16525 | 83475 | 56776 | 30 |
| 80 | 73782 | 17016 | 82984 | 56766 | 20 |
| 90 | 74263 | 17506 | 82494 | 56756 | 10 |
| **97 oo** | 74744 | 17997 | 82003 | 56747 | **03 oo** |
| 10 | 75225 | 18488 | 81512 | 56737 | 90 |
| 20 | 75705 | 18978 | 81022 | 56727 | 80 |
| 30 | 76186 | 19469 | 80531 | 56717 | 70 |
| 40 | 76667 | 19959 | 80041 | 56708 | 60 |
| 50 | 77148 | 20450 | 79550 | 56698 | 50 |
| 60 | 77628 | 20940 | 79060 | 56688 | 40 |
| 70 | 78109 | 21430 | 78570 | 56679 | 30 |
| 80 | 78590 | 21920 | 78080 | 56669 | 20 |
| 90 | 79070 | 22411 | 77589 | 56659 | 10 |
| **98 oo** | 79550 | 22901 | 77099 | 56650 | **02 oo** |
| 10 | 80031 | 23391 | 76609 | 56640 | 90 |
| 20 | 80511 | 23881 | 76119 | 56630 | 80 |
| 30 | 80991 | 24371 | 75629 | 56621 | 70 |
| 40 | 81472 | 24861 | 75139 | 56611 | 60 |
| 50 | 81952 | 25351 | 74649 | 56601 | 50 |
| 60 | 82432 | 25840 | 74160 | 56592 | 40 |
| 70 | 82912 | 26330 | 73670 | 56582 | 30 |
| 80 | 83392 | 26820 | 73180 | 56572 | 20 |
| 90 | 83872 | 27310 | 72690 | 56562 | 10 |
| **99 oo** | 84352 | 27799 | 72201 | 56553 | **01 oo** |
| 10 | 84832 | 28289 | 71711 | 56543 | 90 |
| 20 | 85312 | 28778 | 71222 | 56533 | 80 |
| 30 | 85791 | 29268 | 70732 | 56524 | 70 |
| 40 | 86271 | 29757 | 70243 | 56514 | 60 |
| 50 | 86751 | 30246 | 69754 | 56504 | 50 |
| 60 | 87230 | 30736 | 69264 | 56495 | 40 |
| 70 | 87710 | 31225 | 68775 | 56485 | 30 |
| 80 | 88189 | 31714 | 68286 | 56475 | 20 |
| 90 | 88669 | 32203 | 67797 | 56465 | 10 |
| **100 oo** | 89148 | 32692 | 67308 | 56456 | **00 oo** |
| | **9.14** | **9.15** | **0.84** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **91g** |
| | 479 | 489 | 489 | 10 | |

| | 495 | 494 | 493 | 492 | 491 | 490 | 489 | 485 | 484 | 483 | 482 | 481 | 480 | 479 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 49,5 | 49,4 | 49,3 | 49,2 | 49,1 | 49,0 | 48,9 | 48,5 | 48,4 | 48,3 | 48,2 | 48,1 | 48,0 | 47,9 | 1 |
| 2 | 99,0 | 98,8 | 98,6 | 98,4 | 98,2 | 98,0 | 97,8 | 97,0 | 96,8 | 96,6 | 96,4 | 96,2 | 96,0 | 95,8 | 2 |
| 3 | 148,5 | 148,2 | 147,9 | 147,6 | 147,3 | 147,0 | 146,7 | 145,5 | 145,2 | 144,9 | 144,6 | 144,3 | 144,0 | 143,7 | 3 |
| 4 | 198,0 | 197,6 | 197,2 | 196,8 | 196,4 | 196,0 | 195,6 | 194,0 | 193,6 | 193,2 | 192,8 | 192,4 | 192,0 | 191,6 | 4 |
| 5 | 247,5 | 247,0 | 246,5 | 246,0 | 245,5 | 245,0 | 244,5 | 242,5 | 242,0 | 241,5 | 241,0 | 240,5 | 240,0 | 239,5 | 5 |
| 6 | 297,0 | 296,4 | 295,8 | 295,2 | 294,6 | 294,0 | 293,4 | 291,0 | 290,4 | 289,8 | 289,2 | 288,6 | 288,0 | 287,4 | 6 |
| 7 | 346,5 | 345,8 | 345,1 | 344,4 | 343,7 | 343,0 | 342,3 | 339,5 | 338,8 | 338,1 | 337,4 | 336,7 | 336,0 | 335,3 | 7 |
| 8 | 396,0 | 395,2 | 394,4 | 393,6 | 392,8 | 392,0 | 391,2 | 388,0 | 387,2 | 386,4 | 385,6 | 384,8 | 384,0 | 383,2 | 8 |
| 9 | 445,5 | 444,6 | 443,7 | 442,8 | 441,9 | 441,0 | 440,1 | 436,5 | 435,6 | 434,7 | 433,8 | 432,9 | 432,0 | 431,1 | 9 |

| 9g | 480 | 489 | 489 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.14 | 9.15 | 0.84 | 9.99 | |
| 00 oo | *89148 | 32692 | 67308 | 56456 | 100 oo |
| 10 | *89627 | 33181 | 66819 | 56446 | 90 |
| 20 | *90106 | 33670 | 66330 | 56436 | 80 |
| 30 | *90586 | 34159 | 65841 | 56427 | 70 |
| 40 | *91065 | 34648 | 65352 | 56417 | 60 |
| 50 | *91544 | 35137 | 64863 | 56407 | 50 |
| 60 | *92023 | 35625 | 64375 | 56397 | 40 |
| 70 | *92502 | 36114 | 63886 | 56388 | 30 |
| 80 | *92981 | 36603 | 63397 | 56378 | 20 |
| 90 | *93460 | 37091 | 62909 | 56368 | 10 |
| 01 oo | *93939 | 37580 | 62420 | 56359 | 99 oo |
| 10 | *94417 | 38068 | 61932 | 56349 | 90 |
| 20 | *94896 | 38557 | 61443 | 56339 | 80 |
| 30 | *95375 | 39045 | 60955 | 56329 | 70 |
| 40 | *95853 | 39534 | 60466 | 56320 | 60 |
| 50 | *96332 | 40022 | 59978 | 56310 | 50 |
| 60 | *96810 | 40510 | 59490 | 56300 | 40 |
| 70 | *97289 | 40998 | 59002 | 56291 | 30 |
| 80 | *97767 | 41486 | 58514 | 56281 | 20 |
| 90 | *98245 | 41974 | 58026 | 56271 | 10 |
| 02 oo | *98724 | 42462 | 57538 | 56261 | 98 oo |
| 10 | *99202 | 42950 | 57050 | 56252 | 90 |
| 20 | *99680 | 43438 | 56562 | 56242 | 80 |
| 30 | 00158 | 43926 | 56074 | 56232 | 70 |
| 40 | 00636 | 44414 | 55586 | 56222 | 60 |
| 50 | 01114 | 44902 | 55098 | 56213 | 50 |
| 60 | 01592 | 45389 | 54611 | 56203 | 40 |
| 70 | 02070 | 45877 | 54123 | 56193 | 30 |
| 80 | 02548 | 46365 | 53635 | 56183 | 20 |
| 90 | 03026 | 46852 | 53148 | 56174 | 10 |
| 03 oo | 03504 | 47340 | 52660 | 56164 | 97 oo |
| 10 | 03981 | 47827 | 52173 | 56154 | 90 |
| 20 | 04459 | 48314 | 51686 | 56144 | 80 |
| 30 | 04936 | 48802 | 51198 | 56135 | 70 |
| 40 | 05414 | 49289 | 50711 | 56125 | 60 |
| 50 | 05891 | 49776 | 50224 | 56115 | 50 |
| 60 | 06369 | 50263 | 49737 | 56105 | 40 |
| 70 | 06846 | 50751 | 49249 | 56096 | 30 |
| 80 | 07324 | 51238 | 48762 | 56086 | 20 |
| 90 | 07801 | 51725 | 48275 | 56076 | 10 |
| 04 oo | 08278 | 52212 | 47788 | 56066 | 96 oo |
| 10 | 08755 | 52698 | 47302 | 56057 | 90 |
| 20 | 09232 | 53185 | 46815 | 56047 | 80 |
| 30 | 09709 | 53672 | 46328 | 56037 | 70 |
| 40 | 10186 | 54159 | 45841 | 56027 | 60 |
| 50 | 10663 | 54646 | 45354 | 56018 | 50 |
| 60 | 11140 | 55132 | 44868 | 56008 | 40 |
| 70 | 11617 | 55619 | 44381 | 55998 | 30 |
| 80 | 12094 | 56105 | 43895 | 55988 | 20 |
| 90 | 12571 | 56592 | 43408 | 55979 | 10 |
| 05 oo | 13047 | 57078 | 42922 | 55969 | 95 oo |
| | 9.15 | 9.15 | 0.84 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 90g |
| | 476 | 486 | 486 | 10 | |

| 9g | 477 | 487 | 487 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 9.15 | 9.15 | 0.84 | 9.99 | |
| 05 oo | 13047 | 57078 | 42922 | 55969 | 95 oo |
| 10 | 13524 | 57565 | 42435 | 55959 | 90 |
| 20 | 14000 | 58051 | 41949 | 55949 | 80 |
| 30 | 14477 | 58537 | 41463 | 55940 | 70 |
| 40 | 14953 | 59024 | 40976 | 55930 | 60 |
| 50 | 15430 | 59510 | 40490 | 55920 | 50 |
| 60 | 15906 | 59996 | 40004 | 55910 | 40 |
| 70 | 16382 | 60482 | 39518 | 55901 | 30 |
| 80 | 16859 | 60968 | 39032 | 55891 | 20 |
| 90 | 17335 | 61454 | 38546 | 55881 | 10 |
| 06 oo | 17811 | 61940 | 38060 | 55871 | 94 oo |
| 10 | 18287 | 62426 | 37574 | 55861 | 90 |
| 20 | 18763 | 62911 | 37089 | 55852 | 80 |
| 30 | 19239 | 63397 | 36603 | 55842 | 70 |
| 40 | 19715 | 63883 | 36117 | 55832 | 60 |
| 50 | 20191 | 64369 | 35631 | 55822 | 50 |
| 60 | 20667 | 64854 | 35146 | 55813 | 40 |
| 70 | 21142 | 65340 | 34660 | 55803 | 30 |
| 80 | 21618 | 65825 | 34175 | 55793 | 20 |
| 90 | 22094 | 66311 | 33689 | 55783 | 10 |
| 07 oo | 22569 | 66796 | 33204 | 55773 | 93 oo |
| 10 | 23045 | 67281 | 32719 | 55764 | 90 |
| 20 | 23521 | 67767 | 32233 | 55754 | 80 |
| 30 | 23996 | 68252 | 31748 | 55744 | 70 |
| 40 | 24471 | 68737 | 31263 | 55734 | 60 |
| 50 | 24947 | 69222 | 30778 | 55724 | 50 |
| 60 | 25422 | 69707 | 30293 | 55715 | 40 |
| 70 | 25897 | 70192 | 29808 | 55705 | 30 |
| 80 | 26372 | 70677 | 29323 | 55695 | 20 |
| 90 | 26848 | 71162 | 28838 | 55685 | 10 |
| 08 oo | 27323 | 71647 | 28353 | 55676 | 92 oo |
| 10 | 27798 | 72132 | 27868 | 55666 | 90 |
| 20 | 28273 | 72617 | 27383 | 55656 | 80 |
| 30 | 28748 | 73101 | 26899 | 55646 | 70 |
| 40 | 29222 | 73586 | 26414 | 55636 | 60 |
| 50 | 29697 | 74071 | 25929 | 55627 | 50 |
| 60 | 30172 | 74555 | 25445 | 55617 | 40 |
| 70 | 30647 | 75040 | 24960 | 55607 | 30 |
| 80 | 31121 | 75524 | 24476 | 55597 | 20 |
| 90 | 31596 | 76009 | 23991 | 55587 | 10 |
| 09 oo | 32070 | 76493 | 23507 | 55577 | 91 oo |
| 10 | 32545 | 76977 | 23023 | 55568 | 90 |
| 20 | 33019 | 77462 | 22538 | 55558 | 80 |
| 30 | 33494 | 77946 | 22054 | 55548 | 70 |
| 40 | 33968 | 78430 | 21570 | 55538 | 60 |
| 50 | 34442 | 78914 | 21086 | 55528 | 50 |
| 60 | 34917 | 79398 | 20602 | 55519 | 40 |
| 70 | 35391 | 79882 | 20118 | 55509 | 30 |
| 80 | 35865 | 80366 | 19634 | 55499 | 20 |
| 90 | 36339 | 80850 | 19150 | 55489 | 10 |
| 10 oo | 36813 | 81334 | 18666 | 55479 | 90 oo |
| | 9.15 | 9.15 | 0.84 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 90g |
| | 474 | 484 | 484 | 10 | |

| | 489 | 488 | 487 | 486 | 485 | 484 | 480 | 479 | 478 | 477 | 476 | 475 | 474 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 48,9 | 48,8 | 48,7 | 48,6 | 48,5 | 48,4 | 48,0 | 47,9 | 47,8 | 47,7 | 47,6 | 47,5 | 47,4 | 1 |
| 2 | 97,8 | 97,6 | 97,4 | 97,2 | 97,0 | 96,8 | 96,0 | 95,8 | 95,6 | 95,4 | 95,2 | 95,0 | 94,8 | 2 |
| 3 | 146,7 | 146,4 | 146,1 | 145,8 | 145,5 | 145,2 | 144,0 | 143,7 | 143,4 | 143,1 | 142,8 | 142,5 | 142,2 | 3 |
| 4 | 195,6 | 195,2 | 194,8 | 194,4 | 194,0 | 193,6 | 192,0 | 191,6 | 191,2 | 190,8 | 190,4 | 190,0 | 189,6 | 4 |
| 5 | 244,5 | 244,0 | 243,5 | 243,0 | 242,5 | 242,0 | 240,0 | 239,5 | 239,0 | 238,5 | 238,0 | 237,5 | 237,0 | 5 |
| 6 | 293,4 | 292,8 | 292,2 | 291,6 | 291,0 | 290,4 | 288,0 | 287,4 | 286,8 | 286,2 | 285,6 | 285,0 | 284,4 | 6 |
| 7 | 342,3 | 341,6 | 340,9 | 340,2 | 339,5 | 338,8 | 336,0 | 335,3 | 334,6 | 333,9 | 333,2 | 332,5 | 331,8 | 7 |
| 8 | 391,2 | 390,4 | 389,6 | 388,8 | 388,0 | 387,2 | 384,0 | 383,2 | 382,4 | 381,6 | 380,8 | 380,0 | 379,2 | 8 |
| 9 | 440,1 | 439,2 | 438,3 | 437,4 | 436,5 | 435,6 | 432,0 | 431,1 | 430,2 | 429,3 | 428,4 | 427,5 | 426,6 | 9 |

| 9g | 474 | 484 | 484 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.15** | **9.15** | **0.84** | **9.99** | |
| **10 oo** | 36813 | 81334 | 18666 | 55479 | **90 oo** |
| 10 | 37287 | 81817 | 18183 | 55470 | 90 |
| 20 | 37761 | 82301 | 17699 | 55460 | 80 |
| 30 | 38235 | 82785 | 17215 | 55450 | 70 |
| 40 | 38709 | 83269 | 16731 | 55440 | 60 |
| 50 | 39182 | 83752 | 16248 | 55430 | 50 |
| 60 | 39656 | 84236 | 15764 | 55420 | 40 |
| 70 | 40130 | 84719 | 15281 | 55411 | 30 |
| 80 | 40603 | 85203 | 14797 | 55401 | 20 |
| 90 | 41077 | 85686 | 14314 | 55391 | 10 |
| **11 oo** | 41550 | 86169 | 13831 | 55381 | **89 oo** |
| 10 | 42024 | 86652 | 13348 | 55371 | 90 |
| 20 | 42497 | 87136 | 12864 | 55361 | 80 |
| 30 | 42970 | 87619 | 12381 | 55352 | 70 |
| 40 | 43444 | 88102 | 11898 | 55342 | 60 |
| 50 | 43917 | 88585 | 11415 | 55332 | 50 |
| 60 | 44390 | 89068 | 10932 | 55322 | 40 |
| 70 | 44863 | 89551 | 10449 | 55312 | 30 |
| 80 | 45336 | 90034 | 09966 | 55302 | 20 |
| 90 | 45809 | 90517 | 09483 | 55293 | 10 |
| **12 oo** | 46282 | 91000 | 09000 | 55283 | **88 oo** |
| 10 | 46755 | 91482 | 08518 | 55273 | 90 |
| 20 | 47228 | 91965 | 08035 | 55263 | 80 |
| 30 | 47701 | 92448 | 07552 | 55253 | 70 |
| 40 | 48174 | 92930 | 07070 | 55243 | 60 |
| 50 | 48646 | 93413 | 06587 | 55234 | 50 |
| 60 | 49119 | 93895 | 06105 | 55224 | 40 |
| 70 | 49592 | 94378 | 05622 | 55214 | 30 |
| 80 | 50064 | 94860 | 05140 | 55204 | 20 |
| 90 | 50537 | 95342 | 04658 | 55194 | 10 |
| **13 oo** | 51009 | 95825 | 04175 | 55184 | **87 oo** |
| 10 | 51481 | 96307 | 03693 | 55174 | 90 |
| 20 | 51954 | 96789 | 03211 | 55165 | 80 |
| 30 | 52426 | 97271 | 02729 | 55155 | 70 |
| 40 | 52898 | 97753 | 02247 | 55145 | 60 |
| 50 | 53370 | 98235 | 01765 | 55135 | 50 |
| 60 | 53843 | 98717 | 01283 | 55125 | 40 |
| 70 | 54315 | 99199 | 00801 | 55115 | 30 |
| 80 | 54787 | 99681 | 00319 | 55105 | 20 |
| 90 | 55259 | *00163 | *99837 | 55096 | 10 |
| **14 oo** | 55731 | *00645 | *99355 | 55086 | **86 oo** |
| 10 | 56202 | *01127 | *98873 | 55076 | 90 |
| 20 | 56674 | *01608 | *98392 | 55066 | 80 |
| 30 | 57146 | *02090 | *97910 | 55056 | 70 |
| 40 | 57618 | *02571 | *97429 | 55046 | 60 |
| 50 | 58089 | *03053 | *96947 | 55036 | 50 |
| 60 | 58561 | *03534 | *96466 | 55027 | 40 |
| 70 | 59033 | *04016 | *95984 | 55017 | 30 |
| 80 | 59504 | *04497 | *95503 | 55007 | 20 |
| 90 | 59975 | *04979 | *95021 | 54997 | 10 |
| **15 oo** | 60447 | *05460 | *94540 | 54987 | **85 oo** |
| | **9.15** | ***9.16** | ***0.83** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $90^g$ |
| | 471 | 481 | 481 | 10 | |

| 9g | 472 | 481 | 481 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.15** | **9.16** | **0.83** | **9.99** | |
| **15 oo** | 60447 | 05460 | 94540 | 54987 | **85 oo** |
| 10 | 60918 | 05941 | 94059 | 54977 | 90 |
| 20 | 61389 | 06422 | 93578 | 54967 | 80 |
| 30 | 61861 | 06903 | 93097 | 54957 | 70 |
| 40 | 62332 | 07384 | 92616 | 54948 | 60 |
| 50 | 62803 | 07865 | 92135 | 54938 | 50 |
| 60 | 63274 | 08346 | 91654 | 54928 | 40 |
| 70 | 63745 | 08827 | 91173 | 54918 | 30 |
| 80 | 64216 | 09308 | 90692 | 54908 | 20 |
| 90 | 64687 | 09789 | 90211 | 54898 | 10 |
| **16 oo** | 65158 | 10270 | 89730 | 54888 | **84 oo** |
| 10 | 65629 | 10750 | 89250 | 54878 | 90 |
| 20 | 66099 | 11231 | 88769 | 54869 | 80 |
| 30 | 66570 | 11712 | 88288 | 54859 | 70 |
| 40 | 67041 | 12192 | 87808 | 54849 | 60 |
| 50 | 67511 | 12673 | 87327 | 54839 | 50 |
| 60 | 67982 | 13153 | 86847 | 54829 | 40 |
| 70 | 68453 | 13633 | 86367 | 54819 | 30 |
| 80 | 68923 | 14114 | 85886 | 54809 | 20 |
| 90 | 69393 | 14594 | 85406 | 54799 | 10 |
| **17 oo** | 69864 | 15074 | 84926 | 54789 | **83 oo** |
| 10 | 70334 | 15555 | 84445 | 54780 | 90 |
| 20 | 70804 | 16035 | 83965 | 54770 | 80 |
| 30 | 71274 | 16515 | 83485 | 54760 | 70 |
| 40 | 71745 | 16995 | 83005 | 54750 | 60 |
| 50 | 72215 | 17475 | 82525 | 54740 | 50 |
| 60 | 72685 | 17955 | 82045 | 54730 | 40 |
| 70 | 73155 | 18435 | 81565 | 54720 | 30 |
| 80 | 73625 | 18914 | 81086 | 54710 | 20 |
| 90 | 74095 | 19394 | 80606 | 54700 | 10 |
| **18 oo** | 74564 | 19874 | 80126 | 54690 | **82 oo** |
| 10 | 75034 | 20354 | 79646 | 54680 | 90 |
| 20 | 75504 | 20833 | 79167 | 54671 | 80 |
| 30 | 75974 | 21313 | 78687 | 54661 | 70 |
| 40 | 76443 | 21792 | 78208 | 54651 | 60 |
| 50 | 76913 | 22272 | 77728 | 54641 | 50 |
| 60 | 77382 | 22751 | 77249 | 54631 | 40 |
| 70 | 77852 | 23231 | 76769 | 54621 | 30 |
| 80 | 78321 | 23710 | 76290 | 54611 | 20 |
| 90 | 78791 | 24189 | 75811 | 54601 | 10 |
| **19 oo** | 79260 | 24669 | 75331 | 54591 | **81 oo** |
| 10 | 79729 | 25148 | 74852 | 54581 | 90 |
| 20 | 80198 | 25627 | 74373 | 54571 | 80 |
| 30 | 80667 | 26106 | 73894 | 54562 | 70 |
| 40 | 81137 | 26585 | 73415 | 54552 | 60 |
| 50 | 81606 | 27064 | 72936 | 54542 | 50 |
| 60 | 82075 | 27543 | 72457 | 54532 | 40 |
| 70 | 82544 | 28022 | 71978 | 54522 | 30 |
| 80 | 83012 | 28501 | 71499 | 54512 | 20 |
| 90 | 83481 | 28979 | 71021 | 54502 | 10 |
| **20 oo** | 83950 | 29458 | 70542 | 54492 | **80 oo** |
| | **9.15** | **9.16** | **0.83** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $90^g$ |
| | 468 | 478 | 478 | 10 | |

| | 484 | 483 | 482 | 481 | 480 | 479 | 478 | 474 | 473 | 472 | 471 | 470 | 469 | 468 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 48,4 | 48,3 | 48,2 | 48,1 | 48,0 | 47,9 | 47,8 | 47,4 | 47,3 | 47,2 | 47,1 | 47,0 | 46,9 | 46,8 | 1 |
| 2 | 96,8 | 96,6 | 96,4 | 96,2 | 96,0 | 95,8 | 95,6 | 94,8 | 94,6 | 94,4 | 94,2 | 94,0 | 93,8 | 93,6 | 2 |
| 3 | 145,2 | 144,9 | 144,6 | 144,3 | 144,0 | 143,7 | 143,4 | 142,2 | 141,9 | 141,6 | 141,3 | 141,0 | 140,7 | 140,4 | 3 |
| 4 | 193,6 | 193,2 | 192,8 | 192,4 | 192,0 | 191,6 | 191,2 | 189,6 | 189,2 | 188,8 | 188,4 | 188,0 | 187,6 | 187,2 | 4 |
| 5 | 242,0 | 241,5 | 241,0 | 240,5 | 240,0 | 239,5 | 239,0 | 237,0 | 236,5 | 236,0 | 235,5 | 235,0 | 234,5 | 234,0 | 5 |
| 6 | 290,4 | 289,8 | 289,2 | 288,6 | 288,0 | 287,4 | 286,8 | 284,4 | 283,8 | 283,2 | 282,6 | 282,0 | 281,4 | 280,8 | 6 |
| 7 | 338,8 | 338,1 | 337,4 | 336,7 | 336,0 | 335,3 | 334,6 | 331,8 | 331,1 | 330,4 | 329,7 | 329,0 | 328,3 | 327,6 | 7 |
| 8 | 387,2 | 386,4 | 385,6 | 384,8 | 384,0 | 383,2 | 382,4 | 379,2 | 378,4 | 377,6 | 376,8 | 376,0 | 375,2 | 374,4 | 8 |
| 9 | 435,6 | 434,7 | 433,8 | 432,9 | 432,0 | 431,1 | 430,2 | 426,6 | 425,7 | 424,8 | 423,9 | 423,0 | 422,1 | 421,2 | 9 |

| 9g | 469 | 479 | 479 | 9 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.15** | **9.16** | **0.83** | **9.99** | |
| **20 oo** | 83950 | 29458 | 70542 | 54492 | **80 oo** |
| 10 | 84419 | 29937 | 70063 | 54482 | 90 |
| 20 | 84888 | 30415 | 69585 | 54472 | 80 |
| 30 | 85356 | 30894 | 69106 | 54462 | 70 |
| 40 | 85825 | 31372 | 68628 | 54452 | 60 |
| 50 | 86293 | 31851 | 68149 | 54442 | 50 |
| 60 | 86762 | 32329 | 67671 | 54432 | 40 |
| 70 | 87230 | 32808 | 67192 | 54423 | 30 |
| 80 | 87699 | 33286 | 66714 | 54413 | 20 |
| 90 | 88167 | 33764 | 66236 | 54403 | 10 |
| **21 oo** | 88635 | 34242 | 65758 | 54393 | **79 oo** |
| 10 | 89103 | 34721 | 65279 | 54383 | 90 |
| 20 | 89572 | 35199 | 64801 | 54373 | 80 |
| 30 | 90040 | 35677 | 64323 | 54363 | 70 |
| 40 | 90508 | 36155 | 63845 | 54353 | 60 |
| 50 | 90976 | 36633 | 63367 | 54343 | 50 |
| 60 | 91444 | 37111 | 62889 | 54333 | 40 |
| 70 | 91912 | 37589 | 62411 | 54323 | 30 |
| 80 | 92380 | 38066 | 61934 | 54313 | 20 |
| 90 | 92847 | 38544 | 61456 | 54303 | 10 |
| **22 oo** | 93315 | 39022 | 60978 | 54293 | **78 oo** |
| 10 | 93783 | 39500 | 60500 | 54283 | 90 |
| 20 | 94251 | 39977 | 60023 | 54273 | 80 |
| 30 | 94718 | 40455 | 59545 | 54263 | 70 |
| 40 | 95186 | 40932 | 59068 | 54253 | 60 |
| 50 | 95653 | 41410 | 58590 | 54244 | 50 |
| 60 | 96121 | 41887 | 58113 | 54234 | 40 |
| 70 | 96588 | 42364 | 57636 | 54224 | 30 |
| 80 | 97055 | 42842 | 57158 | 54214 | 20 |
| 90 | 97523 | 43319 | 56681 | 54204 | 10 |
| **23 oo** | 97990 | 43796 | 56204 | 54194 | **77 oo** |
| 10 | 98457 | 44273 | 55727 | 54184 | 90 |
| 20 | 98924 | 44750 | 55250 | 54174 | 80 |
| 30 | 99391 | 45228 | 54772 | 54164 | 70 |
| 40 | 99858 | 45705 | 54295 | 54154 | 60 |
| 50 | *00325 | 46182 | 53818 | 54144 | 50 |
| 60 | *00792 | 46658 | 53342 | 54134 | 40 |
| 70 | *01259 | 47135 | 52865 | 54124 | 30 |
| 80 | *01726 | 47612 | 52388 | 54114 | 20 |
| 90 | *02193 | 48089 | 51911 | 54104 | 10 |
| **24 oo** | *02660 | 48566 | 51434 | 54094 | **76 oo** |
| 10 | *03126 | 49042 | 50958 | 54084 | 90 |
| 20 | *03593 | 49519 | 50481 | 54074 | 80 |
| 30 | *04060 | 49995 | 50005 | 54064 | 70 |
| 40 | *04526 | 50472 | 49528 | 54054 | 60 |
| 50 | *04993 | 50948 | 49052 | 54044 | 50 |
| 60 | *05459 | 51425 | 48575 | 54034 | 40 |
| 70 | *05925 | 51901 | 48099 | 54024 | 30 |
| 80 | *06392 | 52377 | 47623 | 54014 | 20 |
| 90 | *06858 | 52854 | 47146 | 54004 | 10 |
| **25 oo** | *07324 | 53330 | 46670 | 53994 | **75 oo** |
| | ***9.16** | **9.16** | **0.83** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **90g** |
| | 466 | 476 | 476 | 10 | |

| 9g | 467 | 476 | 476 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.16** | **9.16** | **0.83** | **9.99** | |
| **25 oo** | 07324 | 53330 | 46670 | 53994 | **75 oo** |
| 10 | 07790 | 53806 | 46194 | 53984 | 90 |
| 20 | 08256 | 54282 | 45718 | 53974 | 80 |
| 30 | 08723 | 54758 | 45242 | 53964 | 70 |
| 40 | 09189 | 55234 | 44766 | 53954 | 60 |
| 50 | 09655 | 55710 | 44290 | 53944 | 50 |
| 60 | 10120 | 56186 | 43814 | 53934 | 40 |
| 70 | 10586 | 56662 | 43338 | 53924 | 30 |
| 80 | 11052 | 57138 | 42862 | 53914 | 20 |
| 90 | 11518 | 57613 | 42387 | 53904 | 10 |
| **26 oo** | 11984 | 58089 | 41911 | 53894 | **74 oo** |
| 10 | 12449 | 58565 | 41435 | 53884 | 90 |
| 20 | 12915 | 59040 | 40960 | 53874 | 80 |
| 30 | 13380 | 59516 | 40484 | 53864 | 70 |
| 40 | 13846 | 59992 | 40008 | 53854 | 60 |
| 50 | 14311 | 60467 | 39533 | 53844 | 50 |
| 60 | 14777 | 60942 | 39058 | 53834 | 40 |
| 70 | 15242 | 61418 | 38582 | 53824 | 30 |
| 80 | 15707 | 61893 | 38107 | 53814 | 20 |
| 90 | 16173 | 62368 | 37632 | 53804 | 10 |
| **27 oo** | 16638 | 62844 | 37156 | 53794 | **73 oo** |
| 10 | 17103 | 63319 | 36681 | 53784 | 90 |
| 20 | 17568 | 63794 | 36206 | 53774 | 80 |
| 30 | 18033 | 64269 | 35731 | 53764 | 70 |
| 40 | 18498 | 64744 | 35256 | 53754 | 60 |
| 50 | 18963 | 65219 | 34781 | 53744 | 50 |
| 60 | 19428 | 65694 | 34306 | 53734 | 40 |
| 70 | 19893 | 66169 | 33831 | 53724 | 30 |
| 80 | 20358 | 66643 | 33357 | 53714 | 20 |
| 90 | 20822 | 67118 | 32882 | 53704 | 10 |
| **28 oo** | 21287 | 67593 | 32407 | 53694 | **72 oo** |
| 10 | 21752 | 68068 | 31932 | 53684 | 90 |
| 20 | 22216 | 68542 | 31458 | 53674 | 80 |
| 30 | 22681 | 69017 | 30983 | 53664 | 70 |
| 40 | 23145 | 69491 | 30509 | 53654 | 60 |
| 50 | 23610 | 69966 | 30034 | 53644 | 50 |
| 60 | 24074 | 70440 | 29560 | 53634 | 40 |
| 70 | 24539 | 70914 | 29086 | 53624 | 30 |
| 80 | 25003 | 71389 | 28611 | 53614 | 20 |
| 90 | 25467 | 71863 | 28137 | 53604 | 10 |
| **29 oo** | 25931 | 72337 | 27663 | 53594 | **71 oo** |
| 10 | 26395 | 72811 | 27189 | 53584 | 90 |
| 20 | 26860 | 73285 | 26715 | 53574 | 80 |
| 30 | 27324 | 73760 | 26240 | 53564 | 70 |
| 40 | 27788 | 74234 | 25766 | 53554 | 60 |
| 50 | 28252 | 74708 | 25292 | 53544 | 50 |
| 60 | 28715 | 75181 | 24819 | 53534 | 40 |
| 70 | 29179 | 75655 | 24345 | 53524 | 30 |
| 80 | 29643 | 76129 | 23871 | 53514 | 20 |
| 90 | 30107 | 76603 | 23397 | 53504 | 10 |
| **30 oo** | 30570 | 77077 | 22923 | 53494 | **70 oo** |
| | **9.16** | **9.16** | **0.83** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **90g** |
| | 463 | 473 | 473 | 10 | |

| | 479 | 478 | 477 | 476 | 475 | 474 | 473 | 469 | 468 | 467 | 466 | 465 | 464 | 463 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 47,9 | 47,8 | 47,7 | 47,6 | 47,5 | 47,4 | 47,3 | 46,9 | 46,8 | 46,7 | 46,6 | 46,5 | 46,4 | 46,3 | 1 |
| 2 | 95,8 | 95,6 | 95,4 | 95,2 | 95,0 | 94,8 | 94,6 | 93,8 | 93,6 | 93,4 | 93,2 | 93,0 | 92,8 | 92,6 | 2 |
| 3 | 143,7 | 143,4 | 143,1 | 142,8 | 142,5 | 142,2 | 141,9 | 140,7 | 140,4 | 140,1 | 139,8 | 139,5 | 139,2 | 138,9 | 3 |
| 4 | 191,6 | 191,2 | 190,8 | 190,4 | 190,0 | 189,6 | 189,2 | 187,6 | 187,2 | 186,8 | 186,4 | 186,0 | 185,6 | 185,2 | 4 |
| 5 | 239,5 | 239,0 | 238,5 | 238,0 | 237,5 | 237,0 | 236,5 | 234,5 | 234,0 | 233,5 | 233,0 | 232,5 | 232,0 | 231,5 | 5 |
| 6 | 287,4 | 286,8 | 286,2 | 285,6 | 285,0 | 284,4 | 283,8 | 281,4 | 280,8 | 280,2 | 279,6 | 279,0 | 278,4 | 277,8 | 6 |
| 7 | 335,3 | 334,6 | 333,9 | 333,2 | 332,5 | 331,8 | 331,1 | 328,3 | 327,6 | 326,9 | 326,2 | 325,5 | 324,8 | 324,1 | 7 |
| 8 | 383,2 | 382,4 | 381,6 | 380,8 | 380,0 | 379,2 | 378,4 | 375,2 | 374,4 | 373,6 | 372,8 | 372,0 | 371,2 | 370,4 | 8 |
| 9 | 431,1 | 430,2 | 429,3 | 428,4 | 427,5 | 426,6 | 425,7 | 422,1 | 421,2 | 420,3 | 419,4 | 418,5 | 417,6 | 416,7 | 9 |

| 9g | 464 | 474 | 474 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.16** | **9.16** | **0.83** | **9.99** | |
| **30 oo** | 30570 | 77077 | 22923 | 53494 | **70 oo** |
| 10 | 31034 | 77550 | 22450 | 53484 | 90 |
| 20 | 31498 | 78024 | 21976 | 53474 | 80 |
| 30 | 31961 | 78497 | 21503 | 53464 | 70 |
| 40 | 32425 | 78971 | 21029 | 53454 | 60 |
| 50 | 32888 | 79444 | 20556 | 53444 | 50 |
| 60 | 33351 | 79918 | 20082 | 53434 | 40 |
| 70 | 33815 | 80391 | 19609 | 53424 | 30 |
| 80 | 34278 | 80865 | 19135 | 53413 | 20 |
| 90 | 34741 | 81338 | 18662 | 53403 | 10 |
| **31 oo** | 35204 | 81811 | 18189 | 53393 | **69 oo** |
| 10 | 35668 | 82284 | 17716 | 53383 | 90 |
| 20 | 36131 | 82757 | 17243 | 53373 | 80 |
| 30 | 36594 | 83230 | 16770 | 53363 | 70 |
| 40 | 37057 | 83704 | 16296 | 53353 | 60 |
| 50 | 37520 | 84176 | 15824 | 53343 | 50 |
| 60 | 37982 | 84649 | 15351 | 53333 | 40 |
| 70 | 38445 | 85122 | 14878 | 53323 | 30 |
| 80 | 38908 | 85595 | 14405 | 53313 | 20 |
| 90 | 39371 | 86068 | 13932 | 53303 | 10 |
| **32 oo** | 39833 | 86541 | 13459 | 53293 | **68 oo** |
| 10 | 40296 | 87013 | 12987 | 53283 | 90 |
| 20 | 40759 | 87486 | 12514 | 53273 | 80 |
| 30 | 41221 | 87959 | 12041 | 53263 | 70 |
| 40 | 41684 | 88431 | 11569 | 53253 | 60 |
| 50 | 42146 | 88904 | 11096 | 53243 | 50 |
| 60 | 42608 | 89376 | 10624 | 53232 | 40 |
| 70 | 43071 | 89848 | 10152 | 53222 | 30 |
| 80 | 43533 | 90321 | 09679 | 53212 | 20 |
| 90 | 43995 | 90793 | 09207 | 53202 | 10 |
| **33 oo** | 44457 | 91265 | 08735 | 53192 | **67 oo** |
| 10 | 44920 | 91737 | 08263 | 53182 | 90 |
| 20 | 45382 | 92210 | 07790 | 53172 | 80 |
| 30 | 45844 | 92682 | 07318 | 53162 | 70 |
| 40 | 46306 | 93154 | 06846 | 53152 | 60 |
| 50 | 46768 | 93626 | 06374 | 53142 | 50 |
| 60 | 47229 | 94098 | 05902 | 53132 | 40 |
| 70 | 47691 | 94570 | 05430 | 53122 | 30 |
| 80 | 48153 | 95041 | 04959 | 53112 | 20 |
| 90 | 48615 | 95513 | 04487 | 53102 | 10 |
| **34 oo** | 49076 | 95985 | 04015 | 53091 | **66 oo** |
| 10 | 49538 | 96457 | 03543 | 53081 | 90 |
| 20 | 50000 | 96928 | 03072 | 53071 | 80 |
| 30 | 50461 | 97400 | 02600 | 53061 | 70 |
| 40 | 50923 | 97871 | 02129 | 53051 | 60 |
| 50 | 51384 | 98343 | 01657 | 53041 | 50 |
| 60 | 51845 | 98814 | 01186 | 53031 | 40 |
| 70 | 52307 | 99286 | 00714 | 53021 | 30 |
| 80 | 52768 | 99757 | 00243 | 53011 | 20 |
| 90 | 53229 | *00228 | *99772 | 53001 | 10 |
| **35 oo** | 53690 | *00700 | *99300 | 52991 | **65 oo** |
| | **9.16** | ***9.17** | ***0.82** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 461 | 471 | 471 | 11 | **90g** |

| 9g | 461 | 471 | 471 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.16** | **9.17** | **0.82** | **9.99** | |
| **35 oo** | 53690 | 00700 | 99300 | 52991 | **65 oo** |
| 10 | 54151 | 01171 | 98829 | 52980 | 90 |
| 20 | 54612 | 01642 | 98358 | 52970 | 80 |
| 30 | 55073 | 02113 | 97887 | 52960 | 70 |
| 40 | 55534 | 02584 | 97416 | 52950 | 60 |
| 50 | 55995 | 03055 | 96945 | 52940 | 50 |
| 60 | 56456 | 03526 | 96474 | 52930 | 40 |
| 70 | 56917 | 03997 | 96003 | 52920 | 30 |
| 80 | 57378 | 04468 | 95532 | 52910 | 20 |
| 90 | 57839 | 04939 | 95061 | 52900 | 10 |
| **36 oo** | 58299 | 05410 | 94590 | 52890 | **64 oo** |
| 10 | 58760 | 05880 | 94120 | 52880 | 90 |
| 20 | 59220 | 06351 | 93649 | 52869 | 80 |
| 30 | 59681 | 06822 | 93178 | 52859 | 70 |
| 40 | 60141 | 07292 | 92708 | 52849 | 60 |
| 50 | 60602 | 07763 | 92237 | 52839 | 50 |
| 60 | 61062 | 08233 | 91767 | 52829 | 40 |
| 70 | 61522 | 08704 | 91296 | 52819 | 30 |
| 80 | 61983 | 09174 | 90826 | 52809 | 20 |
| 90 | 62443 | 09644 | 90356 | 52799 | 10 |
| **37 oo** | 62903 | 10115 | 89885 | 52789 | **63 oo** |
| 10 | 63363 | 10585 | 89415 | 52778 | 90 |
| 20 | 63823 | 11055 | 88945 | 52768 | 80 |
| 30 | 64283 | 11525 | 88475 | 52758 | 70 |
| 40 | 64743 | 11995 | 88005 | 52748 | 60 |
| 50 | 65203 | 12465 | 87535 | 52738 | 50 |
| 60 | 65663 | 12935 | 87065 | 52728 | 40 |
| 70 | 66123 | 13405 | 86595 | 52718 | 30 |
| 80 | 66583 | 13875 | 86125 | 52708 | 20 |
| 90 | 67042 | 14345 | 85655 | 52697 | 10 |
| **38 oo** | 67502 | 14815 | 85185 | 52687 | **62 oo** |
| 10 | 67962 | 15284 | 84716 | 52677 | 90 |
| 20 | 68421 | 15754 | 84246 | 52667 | 80 |
| 30 | 68881 | 16224 | 83776 | 52657 | 70 |
| 40 | 69340 | 16693 | 83307 | 52647 | 60 |
| 50 | 69800 | 17163 | 82837 | 52637 | 50 |
| 60 | 70259 | 17632 | 82368 | 52627 | 40 |
| 70 | 70718 | 18102 | 81898 | 52616 | 30 |
| 80 | 71178 | 18571 | 81429 | 52606 | 20 |
| 90 | 71637 | 19041 | 80959 | 52596 | 10 |
| **39 oo** | 72096 | 19510 | 80490 | 52586 | **61 oo** |
| 10 | 72555 | 19979 | 80021 | 52576 | 90 |
| 20 | 73014 | 20448 | 79552 | 52566 | 80 |
| 30 | 73473 | 20918 | 79082 | 52556 | 70 |
| 40 | 73932 | 21387 | 78613 | 52545 | 60 |
| 50 | 74391 | 21856 | 78144 | 52535 | 50 |
| 60 | 74850 | 22325 | 77675 | 52525 | 40 |
| 70 | 75309 | 22794 | 77206 | 52515 | 30 |
| 80 | 75768 | 23263 | 76737 | 52505 | 20 |
| 90 | 76226 | 23732 | 76268 | 52495 | 10 |
| **40 oo** | 76685 | 24200 | 75800 | 52485 | **60 oo** |
| | **9.16** | **9.17** | **0.82** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 458 | 468 | 468 | 11 | **90g** |

| | 474 | 473 | 472 | 471 | 470 | 469 | 468 | 464 | 463 | 462 | 461 | 460 | 459 | 458 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 47,4 | 47,3 | 47,2 | 47,1 | 47,0 | 46,9 | 46,8 | 46,4 | 46,3 | 46,2 | 46,1 | 46,0 | 45,9 | 45,8 | 1,1 | 1 |
| 2 | 94,8 | 94,6 | 94,4 | 94,2 | 94,0 | 93,8 | 93,6 | 92,8 | 92,6 | 92,4 | 92,2 | 92,0 | 91,8 | 91,6 | 2,2 | 2 |
| 3 | 142,2 | 141,9 | 141,6 | 141,3 | 141,0 | 140,7 | 140,4 | 139,2 | 138,9 | 138,6 | 138,3 | 138,0 | 137,7 | 137,4 | 3,3 | 3 |
| 4 | 189,6 | 189,2 | 188,8 | 188,4 | 188,0 | 187,6 | 187,2 | 185,6 | 185,2 | 184,8 | 184,4 | 184,0 | 183,6 | 183,2 | 4,4 | 4 |
| 5 | 237,0 | 236,5 | 236,0 | 235,5 | 235,0 | 234,5 | 234,0 | 232,0 | 231,5 | 231,0 | 230,5 | 230,0 | 229,5 | 229,0 | 5,5 | 5 |
| 6 | 284,4 | 283,8 | 283,2 | 282,6 | 282,0 | 281,4 | 280,8 | 278,4 | 277,8 | 277,2 | 276,6 | 276,0 | 275,4 | 274,8 | 6,6 | 6 |
| 7 | 331,8 | 331,1 | 330,4 | 329,7 | 329,0 | 328,3 | 327,6 | 324,8 | 324,1 | 323,4 | 322,7 | 322,0 | 321,3 | 320,6 | 7,7 | 7 |
| 8 | 379,2 | 378,4 | 377,6 | 376,8 | 376,0 | 375,2 | 374,4 | 371,2 | 370,4 | 369,6 | 368,8 | 368,0 | 367,2 | 366,4 | 8,8 | 8 |
| 9 | 426,6 | 425,7 | 424,8 | 423,9 | 423,0 | 422,1 | 421,2 | 417,6 | 416,7 | 415,8 | 414,9 | 414,0 | 413,1 | 412,2 | 9,9 | 9 |

| 9g | 459 | 469 | 469 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.16** | **9.17** | **0.82** | **9.99** | |
| **40 oo** | 76685 | 24200 | 75800 | 52485 | **60 oo** |
| 10 | 77144 | 24669 | 75331 | 52474 | 90 |
| 20 | 77602 | 25138 | 74862 | 52464 | 80 |
| 30 | 78061 | 25607 | 74393 | 52454 | 70 |
| 40 | 78519 | 26075 | 73925 | 52444 | 60 |
| 50 | 78978 | 26544 | 73456 | 52434 | 50 |
| 60 | 79436 | 27012 | 72988 | 52424 | 40 |
| 70 | 79894 | 27481 | 72519 | 52414 | 30 |
| 80 | 80353 | 27949 | 72051 | 52403 | 20 |
| 90 | 80811 | 28418 | 71582 | 52393 | 10 |
| **41 oo** | 81269 | 28886 | 71114 | 52383 | **59 oo** |
| 10 | 81727 | 29354 | 70646 | 52373 | 90 |
| 20 | 82185 | 29823 | 70177 | 52363 | 80 |
| 30 | 82643 | 30291 | 69709 | 52353 | 70 |
| 40 | 83101 | 30759 | 69241 | 52342 | 60 |
| 50 | 83559 | 31227 | 68773 | 52332 | 50 |
| 60 | 84017 | 31695 | 68305 | 52322 | 40 |
| 70 | 84475 | 32163 | 67837 | 52312 | 30 |
| 80 | 84933 | 32631 | 67369 | 52302 | 20 |
| 90 | 85391 | 33099 | 66901 | 52292 | 10 |
| **42 oo** | 85848 | 33567 | 66433 | 52281 | **58 oo** |
| 10 | 86306 | 34035 | 65965 | 52271 | 90 |
| 20 | 86763 | 34502 | 65498 | 52261 | 80 |
| 30 | 87221 | 34970 | 65030 | 52251 | 70 |
| 40 | 87678 | 35438 | 64562 | 52241 | 60 |
| 50 | 88136 | 35905 | 64095 | 52231 | 50 |
| 60 | 88593 | 36373 | 63627 | 52220 | 40 |
| 70 | 89051 | 36840 | 63160 | 52210 | 30 |
| 80 | 89508 | 37308 | 62692 | 52200 | 20 |
| 90 | 89965 | 37775 | 62225 | 52190 | 10 |
| **43 oo** | 90422 | 38243 | 61757 | 52180 | **57 oo** |
| 10 | 90880 | 38710 | 61290 | 52170 | 90 |
| 20 | 91337 | 39177 | 60823 | 52159 | 80 |
| 30 | 91794 | 39645 | 60355 | 52149 | 70 |
| 40 | 92251 | 40112 | 59888 | 52139 | 60 |
| 50 | 92708 | 40579 | 59421 | 52129 | 50 |
| 60 | 93165 | 41046 | 58954 | 52119 | 40 |
| 70 | 93621 | 41513 | 58487 | 52108 | 30 |
| 80 | 94078 | 41980 | 58020 | 52098 | 20 |
| 90 | 94535 | 42447 | 57553 | 52088 | 10 |
| **44 oo** | 94992 | 42914 | 57086 | 52078 | **56 oo** |
| 10 | 95448 | 43381 | 56619 | 52068 | 90 |
| 20 | 95905 | 43847 | 56153 | 52057 | 80 |
| 30 | 96361 | 44314 | 55686 | 52047 | 70 |
| 40 | 96818 | 44781 | 55219 | 52037 | 60 |
| 50 | 97274 | 45248 | 54752 | 52027 | 50 |
| 60 | 97731 | 45714 | 54286 | 52017 | 40 |
| 70 | 98187 | 46181 | 53819 | 52007 | 30 |
| 80 | 98644 | 46647 | 53353 | 51996 | 20 |
| 90 | 99100 | 47114 | 52886 | 51986 | 10 |
| **45 oo** | 99556 | 47580 | 52420 | 51976 | **55 oo** |
| | **9.16** | **9.17** | **0.82** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 90g |
| | 456 | 466 | 466 | 11 | |

| 9g | 456 | 467 | 467 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.16** | **9.17** | **0.82** | **9.99** | |
| **45 oo** | ∗99556 | 47580 | 52420 | 51976 | **55 oo** |
| 10 | 00012 | 48046 | 51954 | 51966 | 90 |
| 20 | 00468 | 48513 | 51487 | 51956 | 80 |
| 30 | 00924 | 48979 | 51021 | 51945 | 70 |
| 40 | 01380 | 49445 | 50555 | 51935 | 60 |
| 50 | 01836 | 49911 | 50089 | 51925 | 50 |
| 60 | 02292 | 50378 | 49622 | 51915 | 40 |
| 70 | 02748 | 50844 | 49156 | 51904 | 30 |
| 80 | 03204 | 51310 | 48690 | 51894 | 20 |
| 90 | 03660 | 51776 | 48224 | 51884 | 10 |
| **46 oo** | 04115 | 52242 | 47758 | 51874 | **54 oo** |
| 10 | 04571 | 52708 | 47292 | 51864 | 90 |
| 20 | 05027 | 53173 | 46827 | 51853 | 80 |
| 30 | 05482 | 53639 | 46361 | 51843 | 70 |
| 40 | 05938 | 54105 | 45895 | 51833 | 60 |
| 50 | 06393 | 54571 | 45429 | 51823 | 50 |
| 60 | 06849 | 55036 | 44964 | 51813 | 40 |
| 70 | 07304 | 55502 | 44498 | 51802 | 30 |
| 80 | 07760 | 55967 | 44033 | 51792 | 20 |
| 90 | 08215 | 56433 | 43567 | 51782 | 10 |
| **47 oo** | 08670 | 56898 | 43102 | 51772 | **53 oo** |
| 10 | 09125 | 57364 | 42636 | 51761 | 90 |
| 20 | 09580 | 57829 | 42171 | 51751 | 80 |
| 30 | 10035 | 58294 | 41706 | 51741 | 70 |
| 40 | 10491 | 58760 | 41240 | 51731 | 60 |
| 50 | 10945 | 59225 | 40775 | 51721 | 50 |
| 60 | 11400 | 59690 | 40310 | 51710 | 40 |
| 70 | 11855 | 60155 | 39845 | 51700 | 30 |
| 80 | 12310 | 60620 | 39380 | 51690 | 20 |
| 90 | 12765 | 61085 | 38915 | 51680 | 10 |
| **48 oo** | 13220 | 61550 | 38450 | 51669 | **52 oo** |
| 10 | 13674 | 62015 | 37985 | 51659 | 90 |
| 20 | 14129 | 62480 | 37520 | 51649 | 80 |
| 30 | 14584 | 62945 | 37055 | 51639 | 70 |
| 40 | 15038 | 63410 | 36590 | 51628 | 60 |
| 50 | 15493 | 63875 | 36125 | 51618 | 50 |
| 60 | 15947 | 64339 | 35661 | 51608 | 40 |
| 70 | 16402 | 64804 | 35196 | 51598 | 30 |
| 80 | 16856 | 65269 | 34731 | 51587 | 20 |
| 90 | 17310 | 65733 | 34267 | 51577 | 10 |
| **49 oo** | 17765 | 66198 | 33802 | 51567 | **51 oo** |
| 10 | 18219 | 66662 | 33338 | 51557 | 90 |
| 20 | 18673 | 67126 | 32874 | 51546 | 80 |
| 30 | 19127 | 67591 | 32409 | 51536 | 70 |
| 40 | 19581 | 68055 | 31945 | 51526 | 60 |
| 50 | 20035 | 68519 | 31481 | 51516 | 50 |
| 60 | 20489 | 68984 | 31016 | 51505 | 40 |
| 70 | 20943 | 69448 | 30552 | 51495 | 30 |
| 80 | 21397 | 69912 | 30088 | 51485 | 20 |
| 90 | 21851 | 70376 | 29624 | 51475 | 10 |
| **50 oo** | 22305 | 70840 | 29160 | 51464 | **50 oo** |
| | **9.17** | **9.17** | **0.82** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 90g |
| | 454 | 464 | 464 | 11 | |

| | 469 | 468 | 467 | 466 | 465 | 464 | 459 | 458 | 457 | 456 | 455 | 454 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 46,9 | 46,8 | 46,7 | 46,6 | 46,5 | 46,4 | 45,9 | 45,8 | 45,7 | 45,6 | 45,5 | 45,4 | 1,1 | 1 |
| 2 | 93,8 | 93,6 | 93,4 | 93,2 | 93,0 | 92,8 | 91,8 | 91,6 | 91,4 | 91,2 | 91,0 | 90,8 | 2,2 | 2 |
| 3 | 140,7 | 140,4 | 140,1 | 139,8 | 139,5 | 139,2 | 137,7 | 137,4 | 137,1 | 136,8 | 136,5 | 136,2 | 3,3 | 3 |
| 4 | 187,6 | 187,2 | 186,8 | 186,4 | 186,0 | 185,6 | 183,6 | 183,2 | 182,8 | 182,4 | 182,0 | 181,6 | 4,4 | 4 |
| 5 | 234,5 | 234,0 | 233,5 | 233,0 | 232,5 | 232,0 | 229,5 | 229,0 | 228,5 | 228,0 | 227,5 | 227,0 | 5,5 | 5 |
| 6 | 281,4 | 280,8 | 280,2 | 279,6 | 279,0 | 278,4 | 275,4 | 274,8 | 274,2 | 273,6 | 273,0 | 272,4 | 6,6 | 6 |
| 7 | 328,3 | 327,6 | 326,9 | 326,2 | 325,5 | 324,8 | 321,3 | 320,6 | 319,9 | 319,2 | 318,5 | 317,8 | 7,7 | 7 |
| 8 | 375,2 | 374,4 | 373,6 | 372,8 | 372,0 | 371,2 | 367,2 | 366,4 | 365,6 | 364,8 | 364,0 | 363,2 | 8,8 | 8 |
| 9 | 422,1 | 421,2 | 420,3 | 419,4 | 418,5 | 417,6 | 413,1 | 412,2 | 411,3 | 410,4 | 409,5 | 408,6 | 9,9 | 9 |

| 9g | 454 | 464 | 464 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.17** | **9.17** | **0.82** | **9.99** | |
| **50 oo** | 22305 | 70840 | 29160 | 51464 | **50 oo** |
| 10 | 22758 | 71304 | 28696 | 51454 | 90 |
| 20 | 23212 | 71768 | 28232 | 51444 | 80 |
| 30 | 23666 | 72232 | 27768 | 51434 | 70 |
| 40 | 24119 | 72696 | 27304 | 51423 | 60 |
| 50 | 24573 | 73159 | 26841 | 51413 | 50 |
| 60 | 25026 | 73623 | 26377 | 51403 | 40 |
| 70 | 25480 | 74087 | 25913 | 51393 | 30 |
| 80 | 25933 | 74551 | 25449 | 51382 | 20 |
| 90 | 26386 | 75014 | 24986 | 51372 | 10 |
| **51 oo** | 26840 | 75478 | 24522 | 51362 | **49 oo** |
| 10 | 27293 | 75941 | 24059 | 51352 | 90 |
| 20 | 27746 | 76405 | 23595 | 51341 | 80 |
| 30 | 28199 | 76868 | 23132 | 51331 | 70 |
| 40 | 28652 | 77332 | 22668 | 51321 | 60 |
| 50 | 29105 | 77795 | 22205 | 51311 | 50 |
| 60 | 29558 | 78258 | 21742 | 51300 | 40 |
| 70 | 30011 | 78721 | 21279 | 51290 | 30 |
| 80 | 30464 | 79185 | 20815 | 51280 | 20 |
| 90 | 30917 | 79648 | 20352 | 51269 | 10 |
| **52 oo** | 31370 | 80111 | 19889 | 51259 | **48 oo** |
| 10 | 31823 | 80574 | 19426 | 51249 | 90 |
| 20 | 32275 | 81037 | 18963 | 51239 | 80 |
| 30 | 32728 | 81500 | 18500 | 51228 | 70 |
| 40 | 33181 | 81963 | 18037 | 51218 | 60 |
| 50 | 33633 | 82426 | 17574 | 51208 | 50 |
| 60 | 34086 | 82888 | 17112 | 51197 | 40 |
| 70 | 34538 | 83351 | 16649 | 51187 | 30 |
| 80 | 34991 | 83814 | 16186 | 51177 | 20 |
| 90 | 35443 | 84276 | 15724 | 51167 | 10 |
| **53 oo** | 35895 | 84739 | 15261 | 51156 | **47 oo** |
| 10 | 36348 | 85202 | 14798 | 51146 | 90 |
| 20 | 36800 | 85664 | 14336 | 51136 | 80 |
| 30 | 37252 | 86127 | 13873 | 51125 | 70 |
| 40 | 37704 | 86589 | 13411 | 51115 | 60 |
| 50 | 38156 | 87051 | 12949 | 51105 | 50 |
| 60 | 38608 | 87514 | 12486 | 51095 | 40 |
| 70 | 39060 | 87976 | 12024 | 51084 | 30 |
| 80 | 39512 | 88438 | 11562 | 51074 | 20 |
| 90 | 39964 | 88900 | 11100 | 51064 | 10 |
| **54 oo** | 40416 | 89363 | 10637 | 51053 | **46 oo** |
| 10 | 40868 | 89825 | 10175 | 51043 | 90 |
| 20 | 41320 | 90287 | 09713 | 51033 | 80 |
| 30 | 41771 | 90749 | 09251 | 51022 | 70 |
| 40 | 42223 | 91211 | 08789 | 51012 | 60 |
| 50 | 42674 | 91673 | 08327 | 51002 | 50 |
| 60 | 43126 | 92135 | 07865 | 50992 | 40 |
| 70 | 43578 | 92596 | 07404 | 50981 | 30 |
| 80 | 44029 | 93058 | 06942 | 50971 | 20 |
| 90 | 44480 | 93520 | 06480 | 50961 | 10 |
| **55 oo** | 44932 | 93982 | 06018 | 50950 | **45 oo** |
| | **9.17** | **9.17** | **0.82** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **90g** |
| | 451 | 461 | 461 | 11 | |

| 9g | 452 | 462 | 462 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.17** | ***9.17** | ***0.82** | **9.99** | |
| **55 oo** | 44932 | *93982 | *06018 | 50950 | **45 oo** |
| 10 | 45383 | *94443 | *05557 | 50940 | 90 |
| 20 | 45834 | *94905 | *05095 | 50930 | 80 |
| 30 | 46286 | *95366 | *04634 | 50919 | 70 |
| 40 | 46737 | *95828 | *04172 | 50909 | 60 |
| 50 | 47188 | *96289 | *03711 | 50899 | 50 |
| 60 | 47639 | *96751 | *03249 | 50888 | 40 |
| 70 | 48090 | *97212 | *02788 | 50878 | 30 |
| 80 | 48541 | *97673 | *02327 | 50868 | 20 |
| 90 | 48992 | *98134 | *01866 | 50857 | 10 |
| **56 oo** | 49443 | *98596 | *01404 | 50847 | **44 oo** |
| 10 | 49894 | *99057 | *00943 | 50837 | 90 |
| 20 | 50344 | *99518 | *00482 | 50826 | 80 |
| 30 | 50795 | *99979 | *00021 | 50816 | 70 |
| 40 | 51246 | 00440 | 99560 | 50806 | 60 |
| 50 | 51697 | 00901 | 99099 | 50796 | 50 |
| 60 | 52147 | 01362 | 98638 | 50785 | 40 |
| 70 | 52598 | 01823 | 98177 | 50775 | 30 |
| 80 | 53048 | 02284 | 97716 | 50765 | 20 |
| 90 | 53499 | 02744 | 97256 | 50754 | 10 |
| **57 oo** | 53949 | 03205 | 96795 | 50744 | **43 oo** |
| 10 | 54399 | 03666 | 96334 | 50734 | 90 |
| 20 | 54850 | 04127 | 95873 | 50723 | 80 |
| 30 | 55300 | 04587 | 95413 | 50713 | 70 |
| 40 | 55750 | 05048 | 94952 | 50703 | 60 |
| 50 | 56200 | 05508 | 94492 | 50692 | 50 |
| 60 | 56651 | 05969 | 94031 | 50682 | 40 |
| 70 | 57101 | 06429 | 93571 | 50671 | 30 |
| 80 | 57551 | 06889 | 93111 | 50661 | 20 |
| 90 | 58001 | 07350 | 92650 | 50651 | 10 |
| **58 oo** | 58451 | 07810 | 92190 | 50640 | **42 oo** |
| 10 | 58900 | 08270 | 91730 | 50630 | 90 |
| 20 | 59350 | 08730 | 91270 | 50620 | 80 |
| 30 | 59800 | 09191 | 90809 | 50609 | 70 |
| 40 | 60250 | 09651 | 90349 | 50599 | 60 |
| 50 | 60699 | 10111 | 89889 | 50589 | 50 |
| 60 | 61149 | 10571 | 89429 | 50578 | 40 |
| 70 | 61599 | 11031 | 88969 | 50568 | 30 |
| 80 | 62048 | 11491 | 88509 | 50558 | 20 |
| 90 | 62498 | 11950 | 88050 | 50547 | 10 |
| **59 oo** | 62947 | 12410 | 87590 | 50537 | **41 oo** |
| 10 | 63397 | 12870 | 87130 | 50527 | 90 |
| 20 | 63846 | 13330 | 86670 | 50516 | 80 |
| 30 | 64295 | 13789 | 86211 | 50506 | 70 |
| 40 | 64745 | 14249 | 85751 | 50496 | 60 |
| 50 | 65194 | 14709 | 85291 | 50485 | 50 |
| 60 | 65643 | 15168 | 84832 | 50475 | 40 |
| 70 | 66092 | 15628 | 84372 | 50464 | 30 |
| 80 | 66541 | 16087 | 83913 | 50454 | 20 |
| 90 | 66990 | 16546 | 83454 | 50444 | 10 |
| **60 oo** | 67439 | 17006 | 82994 | 50433 | **40 oo** |
| | **9.17** | **9.18** | **0.81** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | **90g** |
| | 449 | 459 | 459 | 11 | |

| | 464 | 463 | 462 | 461 | 460 | 459 | 454 | 453 | 452 | 451 | 450 | 449 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 46,4 | 46,3 | 46,2 | 46,1 | 46,0 | 45,9 | 45,4 | 45,3 | 45,2 | 45,1 | 45,0 | 44,9 | 1,1 | 1 |
| 2 | 92,8 | 92,6 | 92,4 | 92,2 | 92,0 | 91,8 | 90,8 | 90,6 | 90,4 | 90,2 | 90,0 | 89,8 | 2,2 | 2 |
| 3 | 139,2 | 138,9 | 138,6 | 138,3 | 138,0 | 137,7 | 136,2 | 135,9 | 135,6 | 135,3 | 135,0 | 134,7 | 3,3 | 3 |
| 4 | 185,6 | 185,2 | 184,8 | 184,4 | 184,0 | 183,6 | 181,6 | 181,2 | 180,8 | 180,4 | 180,0 | 179,6 | 4,4 | 4 |
| 5 | 232,0 | 231,5 | 231,0 | 230,5 | 230,0 | 229,5 | 227,0 | 226,5 | 226,0 | 225,5 | 225,0 | 224,5 | 5,5 | 5 |
| 6 | 278,4 | 277,8 | 277,2 | 276,6 | 276,0 | 275,4 | 272,4 | 271,8 | 271,2 | 270,6 | 270,0 | 269,4 | 6,6 | 6 |
| 7 | 324,8 | 324,1 | 323,4 | 322,7 | 322,0 | 321,3 | 317,8 | 317,1 | 316,4 | 315,7 | 315,0 | 314,3 | 7,7 | 7 |
| 8 | 371,2 | 370,4 | 369,6 | 368,8 | 368,0 | 367,2 | 363,2 | 362,4 | 361,6 | 360,8 | 360,0 | 359,2 | 8,8 | 8 |
| 9 | 417,6 | 416,7 | 415,8 | 414,9 | 414,0 | 413,1 | 408,6 | 407,7 | 406,8 | 405,9 | 405,0 | 404,1 | 9,9 | 9 |

| 9g | 449 | 460 | 460 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.17** | **9.18** | **0.81** | **9.99** | |
| **60 oo** | 67439 | 17006 | 82994 | 50433 | **40 oo** |
| 10 | 67888 | 17465 | 82535 | 50423 | 90 |
| 20 | 68337 | 17924 | 82076 | 50413 | 80 |
| 30 | 68786 | 18384 | 81616 | 50402 | 70 |
| 40 | 69235 | 18843 | 81157 | 50392 | 60 |
| 50 | 69683 | 19302 | 80698 | 50382 | 50 |
| 60 | 70132 | 19761 | 80239 | 50371 | 40 |
| 70 | 70581 | 20220 | 79780 | 50361 | 30 |
| 80 | 71029 | 20679 | 79321 | 50350 | 20 |
| 90 | 71478 | 21138 | 78862 | 50340 | 10 |
| **61 oo** | 71926 | 21597 | 78403 | 50330 | **39 oo** |
| 10 | 72375 | 22056 | 77944 | 50319 | 90 |
| 20 | 72823 | 22514 | 77486 | 50309 | 80 |
| 30 | 73272 | 22973 | 77027 | 50299 | 70 |
| 40 | 73720 | 23432 | 76568 | 50288 | 60 |
| 50 | 74168 | 23890 | 76110 | 50278 | 50 |
| 60 | 74616 | 24349 | 75651 | 50267 | 40 |
| 70 | 75065 | 24808 | 75192 | 50257 | 30 |
| 80 | 75513 | 25266 | 74734 | 50247 | 20 |
| 90 | 75961 | 25725 | 74275 | 50236 | 10 |
| **62 oo** | 76409 | 26183 | 73817 | 50226 | **38 oo** |
| 10 | 76857 | 26641 | 73359 | 50215 | 90 |
| 20 | 77305 | 27100 | 72900 | 50205 | 80 |
| 30 | 77753 | 27558 | 72442 | 50195 | 70 |
| 40 | 78200 | 28016 | 71984 | 50184 | 60 |
| 50 | 78648 | 28474 | 71526 | 50174 | 50 |
| 60 | 79096 | 28933 | 71067 | 50163 | 40 |
| 70 | 79544 | 29391 | 70609 | 50153 | 30 |
| 80 | 79991 | 29849 | 70151 | 50143 | 20 |
| 90 | 80439 | 30307 | 69693 | 50132 | 10 |
| **63 oo** | 80887 | 30765 | 69235 | 50122 | **37 oo** |
| 10 | 81334 | 31223 | 68777 | 50112 | 90 |
| 20 | 81781 | 31680 | 68320 | 50101 | 80 |
| 30 | 82229 | 32138 | 67862 | 50091 | 70 |
| 40 | 82676 | 32596 | 67404 | 50080 | 60 |
| 50 | 83124 | 33054 | 66946 | 50070 | 50 |
| 60 | 83571 | 33511 | 66489 | 50059 | 40 |
| 70 | 84018 | 33969 | 66031 | 50049 | 30 |
| 80 | 84465 | 34427 | 65573 | 50039 | 20 |
| 90 | 84912 | 34884 | 65116 | 50028 | 10 |
| **64 oo** | 85360 | 35342 | 64658 | 50018 | **36 oo** |
| 10 | 85807 | 35799 | 64201 | 50007 | 90 |
| 20 | 86254 | 36257 | 63743 | 49997 | 80 |
| 30 | 86700 | 36714 | 63286 | 49987 | 70 |
| 40 | 87147 | 37171 | 62829 | 49976 | 60 |
| 50 | 87594 | 37628 | 62372 | 49966 | 50 |
| 60 | 88041 | 38086 | 61914 | 49955 | 40 |
| 70 | 88488 | 38543 | 61457 | 49945 | 30 |
| 80 | 88935 | 39000 | 61000 | 49935 | 20 |
| 90 | 89381 | 39457 | 60543 | 49924 | 10 |
| **65 oo** | 89828 | 39914 | 60086 | 49914 | **35 oo** |
| | **9.17** | **9.18** | **0.81** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 90g |
| | 446 | 457 | 457 | 11 | |

| 9g | 447 | 457 | 457 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9.17** | **9.18** | **0.81** | **9.99** | |
| **65 oo** | *89828 | 39914 | 60086 | 49914 | **35 oo** |
| 10 | *90274 | 40371 | 59629 | 49903 | 90 |
| 20 | *90721 | 40828 | 59172 | 49893 | 80 |
| 30 | *91167 | 41285 | 58715 | 49882 | 70 |
| 40 | *91614 | 41742 | 58258 | 49872 | 60 |
| 50 | *92060 | 42199 | 57801 | 49862 | 50 |
| 60 | *92507 | 42655 | 57345 | 49851 | 40 |
| 70 | *92953 | 43112 | 56888 | 49841 | 30 |
| 80 | *93399 | 43569 | 56431 | 49830 | 20 |
| 90 | *93845 | 44025 | 55975 | 49820 | 10 |
| **66 oo** | *94291 | 44482 | 55518 | 49809 | **34 oo** |
| 10 | *94737 | 44938 | 55062 | 49799 | 90 |
| 20 | *95184 | 45395 | 54605 | 49789 | 80 |
| 30 | *95630 | 45851 | 54149 | 49778 | 70 |
| 40 | *96076 | 46308 | 53692 | 49768 | 60 |
| 50 | *96521 | 46764 | 53236 | 49757 | 50 |
| 60 | *96967 | 47220 | 52780 | 49747 | 40 |
| 70 | *97413 | 47677 | 52323 | 49736 | 30 |
| 80 | *97859 | 48133 | 51867 | 49726 | 20 |
| 90 | *98305 | 48589 | 51411 | 49716 | 10 |
| **67 oo** | *98750 | 49045 | 50955 | 49705 | **33 oo** |
| 10 | *99196 | 49501 | 50499 | 49695 | 90 |
| 20 | *99642 | 49957 | 50043 | 49684 | 80 |
| 30 | 00087 | 50413 | 49587 | 49674 | 70 |
| 40 | 00533 | 50869 | 49131 | 49663 | 60 |
| 50 | 00978 | 51325 | 48675 | 49653 | 50 |
| 60 | 01423 | 51781 | 48219 | 49642 | 40 |
| 70 | 01869 | 52237 | 47763 | 49632 | 30 |
| 80 | 02314 | 52693 | 47307 | 49621 | 20 |
| 90 | 02759 | 53148 | 46852 | 49611 | 10 |
| **68 oo** | 03205 | 53604 | 46396 | 49601 | **32 oo** |
| 10 | 03650 | 54060 | 45940 | 49590 | 90 |
| 20 | 04095 | 54515 | 45485 | 49580 | 80 |
| 30 | 04540 | 54971 | 45029 | 49569 | 70 |
| 40 | 04985 | 55426 | 44574 | 49559 | 60 |
| 50 | 05430 | 55882 | 44118 | 49548 | 50 |
| 60 | 05875 | 56337 | 43663 | 49538 | 40 |
| 70 | 06320 | 56792 | 43208 | 49527 | 30 |
| 80 | 06765 | 57248 | 42752 | 49517 | 20 |
| 90 | 07209 | 57703 | 42297 | 49506 | 10 |
| **69 oo** | 07654 | 58158 | 41842 | 49496 | **31 oo** |
| 10 | 08099 | 58613 | 41387 | 49486 | 90 |
| 20 | 08543 | 59068 | 40932 | 49475 | 80 |
| 30 | 08988 | 59523 | 40477 | 49465 | 70 |
| 40 | 09433 | 59978 | 40022 | 49454 | 60 |
| 50 | 09877 | 60433 | 39567 | 49444 | 50 |
| 60 | 10322 | 60888 | 39112 | 49433 | 40 |
| 70 | 10766 | 61343 | 38657 | 49423 | 30 |
| 80 | 11210 | 61798 | 38202 | 49412 | 20 |
| 90 | 11655 | 62253 | 37747 | 49402 | 10 |
| **70 oo** | 12099 | 62708 | 37292 | 49391 | **30 oo** |
| | **9.18** | **9.18** | **0.81** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 90g |
| | 444 | 455 | 455 | 11 | |

| | 460 | 459 | 458 | 457 | 456 | 455 | 449 | 448 | 447 | 446 | 445 | 444 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 46,0 | 45,9 | 45,8 | 45,7 | 45,6 | 45,5 | 44,9 | 44,8 | 44,7 | 44,6 | 44,5 | 44,4 | 1,1 | 1 |
| 2 | 92,0 | 91,8 | 91,6 | 91,4 | 91,2 | 91,0 | 89,8 | 89,6 | 89,4 | 89,2 | 89,0 | 88,8 | 2,2 | 2 |
| 3 | 138,0 | 137,7 | 137,4 | 137,1 | 136,8 | 136,5 | 134,7 | 134,4 | 134,1 | 133,8 | 133,5 | 133,2 | 3,3 | 3 |
| 4 | 184,0 | 183,6 | 183,2 | 182,8 | 182,4 | 182,0 | 179,6 | 179,2 | 178,8 | 178,4 | 178,0 | 177,6 | 4,4 | 4 |
| 5 | 230,0 | 229,5 | 229,0 | 228,5 | 228,0 | 227,5 | 224,5 | 224,0 | 223,5 | 223,0 | 222,5 | 222,0 | 5,5 | 5 |
| 6 | 276,0 | 275,4 | 274,8 | 274,2 | 273,6 | 273,0 | 269,4 | 268,8 | 268,2 | 267,6 | 267,0 | 266,4 | 6,6 | 6 |
| 7 | 322,0 | 321,3 | 320,6 | 319,9 | 319,2 | 318,5 | 314,3 | 313,6 | 312,9 | 312,2 | 311,5 | 310,8 | 7,7 | 7 |
| 8 | 368,0 | 367,2 | 366,4 | 365,6 | 364,8 | 364,0 | 359,2 | 358,4 | 357,6 | 356,8 | 356,0 | 355,2 | 8,8 | 8 |
| 9 | 414,0 | 413,1 | 412,2 | 411,3 | 410,4 | 409,5 | 404,1 | 403,2 | 402,3 | 401,4 | 400,5 | 399,6 | 9,9 | 9 |

| 9g | 445 | 455 | 455 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.18** | **9.18** | **0.81** | **9.99** | |
| **70 oo** | 12099 | 62708 | 37292 | 49391 | **30 oo** |
| 10 | 12543 | 63162 | 36838 | 49381 | 90 |
| 20 | 12987 | 63617 | 36383 | 49370 | 80 |
| 30 | 13432 | 64072 | 35928 | 49360 | 70 |
| 40 | 13876 | 64526 | 35474 | 49349 | 60 |
| 50 | 14320 | 64981 | 35019 | 49339 | 50 |
| 60 | 14764 | 65435 | 34565 | 49328 | 40 |
| 70 | 15208 | 65890 | 34110 | 49318 | 30 |
| 80 | 15652 | 66344 | 33656 | 49307 | 20 |
| 90 | 16095 | 66798 | 33202 | 49297 | 10 |
| **71 oo** | 16539 | 67253 | 32747 | 49286 | **29 oo** |
| 10 | 16983 | 67707 | 32293 | 49276 | 90 |
| 20 | 17427 | 68161 | 31839 | 49266 | 80 |
| 30 | 17870 | 68615 | 31385 | 49255 | 70 |
| 40 | 18314 | 69069 | 30931 | 49245 | 60 |
| 50 | 18758 | 69524 | 30476 | 49234 | 50 |
| 60 | 19201 | 69978 | 30022 | 49224 | 40 |
| 70 | 19645 | 70432 | 29568 | 49213 | 30 |
| 80 | 20088 | 70885 | 29115 | 49203 | 20 |
| 90 | 20531 | 71339 | 28661 | 49192 | 10 |
| **72 oo** | 20975 | 71793 | 28207 | 49182 | **28 oo** |
| 10 | 21418 | 72247 | 27753 | 49171 | 90 |
| 20 | 21861 | 72701 | 27299 | 49161 | 80 |
| 30 | 22305 | 73154 | 26846 | 49150 | 70 |
| 40 | 22748 | 73608 | 26392 | 49140 | 60 |
| 50 | 23191 | 74062 | 25938 | 49129 | 50 |
| 60 | 23634 | 74515 | 25485 | 49119 | 40 |
| 70 | 24077 | 74969 | 25031 | 49108 | 30 |
| 80 | 24520 | 75422 | 24578 | 49098 | 20 |
| 90 | 24963 | 75876 | 24124 | 49087 | 10 |
| **73 oo** | 25406 | 76329 | 23671 | 49077 | **27 oo** |
| 10 | 25849 | 76783 | 23217 | 49066 | 90 |
| 20 | 26291 | 77236 | 22764 | 49056 | 80 |
| 30 | 26734 | 77689 | 22311 | 49045 | 70 |
| 40 | 27177 | 78142 | 21858 | 49035 | 60 |
| 50 | 27619 | 78596 | 21404 | 49024 | 50 |
| 60 | 28062 | 79049 | 20951 | 49013 | 40 |
| 70 | 28505 | 79502 | 20498 | 49003 | 30 |
| 80 | 28947 | 79955 | 20045 | 48992 | 20 |
| 90 | 29390 | 80408 | 19592 | 48982 | 10 |
| **74 oo** | 29832 | 80861 | 19139 | 48971 | **26 oo** |
| 10 | 30274 | 81314 | 18686 | 48961 | 90 |
| 20 | 30717 | 81766 | 18234 | 48950 | 80 |
| 30 | 31159 | 82219 | 17781 | 48940 | 70 |
| 40 | 31601 | 82672 | 17328 | 48929 | 60 |
| 50 | 32044 | 83125 | 16875 | 48919 | 50 |
| 60 | 32486 | 83577 | 16423 | 48908 | 40 |
| 70 | 32928 | 84030 | 15970 | 48898 | 30 |
| 80 | 33370 | 84483 | 15517 | 48887 | 20 |
| 90 | 33812 | 84935 | 15065 | 48877 | 10 |
| **75 oo** | 34254 | 85388 | 14612 | 48866 | **25 oo** |
| | **9.18** | **9.18** | **0.81** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 90g |
| | 442 | 452 | 452 | 11 | |

| 9g | 442 | 453 | 453 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.18** | **9.18** | **0.81** | **9.99** | |
| **75 oo** | 34254 | 85388 | 14612 | 48866 | **25 oo** |
| 10 | 34696 | 85840 | 14160 | 48856 | 90 |
| 20 | 35138 | 86293 | 13707 | 48845 | 80 |
| 30 | 35579 | 86745 | 13255 | 48835 | 70 |
| 40 | 36021 | 87197 | 12803 | 48824 | 60 |
| 50 | 36463 | 87649 | 12351 | 48813 | 50 |
| 60 | 36905 | 88102 | 11898 | 48803 | 40 |
| 70 | 37346 | 88554 | 11446 | 48792 | 30 |
| 80 | 37788 | 89006 | 10994 | 48782 | 20 |
| 90 | 38229 | 89458 | 10542 | 48771 | 10 |
| **76 oo** | 38671 | 89910 | 10090 | 48761 | **24 oo** |
| 10 | 39112 | 90362 | 09638 | 48750 | 90 |
| 20 | 39554 | 90814 | 09186 | 48740 | 80 |
| 30 | 39995 | 91266 | 08734 | 48729 | 70 |
| 40 | 40436 | 91718 | 08282 | 48719 | 60 |
| 50 | 40878 | 92170 | 07830 | 48708 | 50 |
| 60 | 41319 | 92621 | 07379 | 48698 | 40 |
| 70 | 41760 | 93073 | 06927 | 48687 | 30 |
| 80 | 42201 | 93525 | 06475 | 48676 | 20 |
| 90 | 42642 | 93977 | 06023 | 48666 | 10 |
| **77 oo** | 43083 | 94428 | 05572 | 48655 | **23 oo** |
| 10 | 43524 | 94880 | 05120 | 48645 | 90 |
| 20 | 43965 | 95331 | 04669 | 48634 | 80 |
| 30 | 44406 | 95783 | 04217 | 48624 | 70 |
| 40 | 44847 | 96234 | 03766 | 48613 | 60 |
| 50 | 45288 | 96685 | 03315 | 48603 | 50 |
| 60 | 45729 | 97137 | 02863 | 48592 | 40 |
| 70 | 46169 | 97588 | 02412 | 48581 | 30 |
| 80 | 46610 | 98039 | 01961 | 48571 | 20 |
| 90 | 47051 | 98490 | 01510 | 48560 | 10 |
| **78 oo** | 47491 | 98942 | 01058 | 48550 | **22 oo** |
| 10 | 47932 | 99393 | 00607 | 48539 | 90 |
| 20 | 48372 | 99844 | 00156 | 48529 | 80 |
| 30 | 48813 | *00295 | *99705 | 48518 | 70 |
| 40 | 49253 | *00746 | *99254 | 48507 | 60 |
| 50 | 49694 | *01197 | *98803 | 48497 | 50 |
| 60 | 50134 | *01648 | *98352 | 48486 | 40 |
| 70 | 50574 | *02098 | *97902 | 48476 | 30 |
| 80 | 51014 | *02549 | *97451 | 48465 | 20 |
| 90 | 51455 | *03000 | *97000 | 48455 | 10 |
| **79 oo** | 51895 | *03451 | *96549 | 48444 | **21 oo** |
| 10 | 52335 | *03901 | *96099 | 48433 | 90 |
| 20 | 52775 | *04352 | *95648 | 48423 | 80 |
| 30 | 53215 | *04803 | *95197 | 48412 | 70 |
| 40 | 53655 | *05253 | *94747 | 48402 | 60 |
| 50 | 54095 | *05704 | *94296 | 48391 | 50 |
| 60 | 54535 | *06154 | *93846 | 48381 | 40 |
| 70 | 54974 | *06604 | *93396 | 48370 | 30 |
| 80 | 55414 | *07055 | *92945 | 48359 | 20 |
| 90 | 55854 | *07505 | *92495 | 48349 | 10 |
| **80 oo** | 56294 | *07955 | *92045 | 48338 | **20 oo** |
| | **9.18** | ***9.19** | ***0.80** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 90g |
| | 439 | 450 | 450 | 11 | |

| | 455 | 454 | 453 | 452 | 451 | 450 | 445 | 444 | 443 | 442 | 441 | 440 | 439 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 45,5 | 45,4 | 45,3 | 45,2 | 45,1 | 45,0 | 44,5 | 44,4 | 44,3 | 44,2 | 44,1 | 44,0 | 43,9 | 1,1 | 1 |
| 2 | 91,0 | 90,8 | 90,6 | 90,4 | 90,2 | 90,0 | 89,0 | 88,8 | 88,6 | 88,4 | 88,2 | 88,0 | 87,8 | 2,2 | 2 |
| 3 | 136,5 | 136,2 | 135,9 | 135,6 | 135,3 | 135,0 | 133,5 | 133,2 | 132,9 | 132,6 | 132,3 | 132,0 | 131,7 | 3,3 | 3 |
| 4 | 182,0 | 181,6 | 181,2 | 180,8 | 180,4 | 180,0 | 178,0 | 177,6 | 177,2 | 176,8 | 176,4 | 176,0 | 175,6 | 4,4 | 4 |
| 5 | 227,5 | 227,0 | 226,5 | 226,0 | 225,5 | 225,0 | 222,5 | 222,0 | 221,5 | 221,0 | 220,5 | 220,0 | 219,5 | 5,5 | 5 |
| 6 | 273,0 | 272,4 | 271,8 | 271,2 | 270,6 | 270,0 | 267,0 | 266,4 | 265,8 | 265,2 | 264,6 | 264,0 | 263,4 | 6,6 | 6 |
| 7 | 318,5 | 317,8 | 317,1 | 316,4 | 315,7 | 315,0 | 311,5 | 310,8 | 310,1 | 309,4 | 308,7 | 308,0 | 307,3 | 7,7 | 7 |
| 8 | 364,0 | 363,2 | 362,4 | 361,6 | 360,8 | 360,0 | 356,0 | 355,2 | 354,4 | 353,6 | 352,8 | 352,0 | 351,2 | 8,8 | 8 |
| 9 | 409,5 | 408,6 | 407,7 | 406,8 | 405,9 | 405,0 | 400,5 | 399,6 | 398,7 | 397,8 | 396,9 | 396,0 | 395,1 | 9,9 | 9 |

| 9g | 440 | 451 | 451 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.18** | **9.19** | **0.80** | **9.99** | |
| **80 oo** | 56294 | 07955 | 92045 | 48338 | **20 oo** |
| 10 | 56733 | 08406 | 91594 | 48328 | 90 |
| 20 | 57173 | 08856 | 91144 | 48317 | 80 |
| 30 | 57612 | 09306 | 90694 | 48307 | 70 |
| 40 | 58052 | 09756 | 90244 | 48296 | 60 |
| 50 | 58491 | 10206 | 89794 | 48285 | 50 |
| 60 | 58931 | 10656 | 89344 | 48275 | 40 |
| 70 | 59370 | 11106 | 88894 | 48264 | 30 |
| 80 | 59809 | 11556 | 88444 | 48254 | 20 |
| 90 | 60249 | 12006 | 87994 | 48243 | 10 |
| **81 oo** | 60688 | 12455 | 87545 | 48232 | **19 oo** |
| 10 | 61127 | 12905 | 87095 | 48222 | 90 |
| 20 | 61566 | 13355 | 86645 | 48211 | 80 |
| 30 | 62005 | 13805 | 86195 | 48201 | 70 |
| 40 | 62444 | 14254 | 85746 | 48190 | 60 |
| 50 | 62883 | 14704 | 85296 | 48179 | 50 |
| 60 | 63322 | 15153 | 84847 | 48169 | 40 |
| 70 | 63761 | 15603 | 84397 | 48158 | 30 |
| 80 | 64200 | 16052 | 83948 | 48148 | 20 |
| 90 | 64639 | 16502 | 83498 | 48137 | 10 |
| **82 oo** | 65077 | 16951 | 83049 | 48126 | **18 oo** |
| 10 | 65516 | 17400 | 82600 | 48116 | 90 |
| 20 | 65955 | 17850 | 82150 | 48105 | 80 |
| 30 | 66394 | 18299 | 81701 | 48095 | 70 |
| 40 | 66832 | 18748 | 81252 | 48084 | 60 |
| 50 | 67271 | 19197 | 80803 | 48073 | 50 |
| 60 | 67709 | 19646 | 80354 | 48063 | 40 |
| 70 | 68148 | 20095 | 79905 | 48052 | 30 |
| 80 | 68586 | 20545 | 79455 | 48041 | 20 |
| 90 | 69024 | 20993 | 79007 | 48031 | 10 |
| **83 oo** | 69463 | 21442 | 78558 | 48020 | **17 oo** |
| 10 | 69901 | 21891 | 78109 | 48010 | 90 |
| 20 | 70339 | 22340 | 77660 | 47999 | 80 |
| 30 | 70777 | 22789 | 77211 | 47988 | 70 |
| 40 | 71215 | 23238 | 76762 | 47978 | 60 |
| 50 | 71654 | 23686 | 76314 | 47967 | 50 |
| 60 | 72092 | 24135 | 75865 | 47956 | 40 |
| 70 | 72530 | 24584 | 75416 | 47946 | 30 |
| 80 | 72967 | 25032 | 74968 | 47935 | 20 |
| 90 | 73405 | 25481 | 74519 | 47925 | 10 |
| **84 oo** | 73843 | 25929 | 74071 | 47914 | **16 oo** |
| 10 | 74281 | 26378 | 73622 | 47903 | 90 |
| 20 | 74719 | 26826 | 73174 | 47893 | 80 |
| 30 | 75157 | 27274 | 72726 | 47882 | 70 |
| 40 | 75594 | 27723 | 72277 | 47871 | 60 |
| 50 | 76032 | 28171 | 71829 | 47861 | 50 |
| 60 | 76469 | 28619 | 71381 | 47850 | 40 |
| 70 | 76907 | 29067 | 70933 | 47840 | 30 |
| 80 | 77344 | 29516 | 70484 | 47829 | 20 |
| 90 | 77782 | 29964 | 70036 | 47818 | 10 |
| **85 oo** | 78219 | 30412 | 69588 | 47808 | **15 oo** |
| | **9.18** | **9.19** | **0.80** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $90^g$ |
| | 437 | 448 | 448 | 11 | |

| 9g | 438 | 448 | 448 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.18** | **9.19** | **0.80** | **9.99** | |
| **85 oo** | 78219 | 30412 | 69588 | 47808 | **15 oo** |
| 10 | 78657 | 30860 | 69140 | 47797 | 90 |
| 20 | 79094 | 31308 | 68692 | 47786 | 80 |
| 30 | 79531 | 31756 | 68244 | 47776 | 70 |
| 40 | 79969 | 32203 | 67797 | 47765 | 60 |
| 50 | 80406 | 32651 | 67349 | 47754 | 50 |
| 60 | 80843 | 33099 | 66901 | 47744 | 40 |
| 70 | 81280 | 33547 | 66453 | 47733 | 30 |
| 80 | 81717 | 33995 | 66005 | 47722 | 20 |
| 90 | 82154 | 34442 | 65558 | 47712 | 10 |
| **86 oo** | 82591 | 34890 | 65110 | 47701 | **14 oo** |
| 10 | 83028 | 35337 | 64663 | 47691 | 90 |
| 20 | 83465 | 35785 | 64215 | 47680 | 80 |
| 30 | 83902 | 36232 | 63768 | 47669 | 70 |
| 40 | 84338 | 36680 | 63320 | 47659 | 60 |
| 50 | 84775 | 37127 | 62873 | 47648 | 50 |
| 60 | 85212 | 37574 | 62426 | 47637 | 40 |
| 70 | 85648 | 38022 | 61978 | 47627 | 30 |
| 80 | 86085 | 38469 | 61531 | 47616 | 20 |
| 90 | 86522 | 38916 | 61084 | 47605 | 10 |
| **87 oo** | 86958 | 39363 | 60637 | 47595 | **13 oo** |
| 10 | 87394 | 39811 | 60189 | 47584 | 90 |
| 20 | 87831 | 40258 | 59742 | 47573 | 80 |
| 30 | 88267 | 40705 | 59295 | 47563 | 70 |
| 40 | 88704 | 41152 | 58848 | 47552 | 60 |
| 50 | 89140 | 41599 | 58401 | 47541 | 50 |
| 60 | 89576 | 42045 | 57955 | 47531 | 40 |
| 70 | 90012 | 42492 | 57508 | 47520 | 30 |
| 80 | 90448 | 42939 | 57061 | 47509 | 20 |
| 90 | 90885 | 43386 | 56614 | 47499 | 10 |
| **88 oo** | 91321 | 43833 | 56167 | 47488 | **12 oo** |
| 10 | 91757 | 44279 | 55721 | 47477 | 90 |
| 20 | 92193 | 44726 | 55274 | 47467 | 80 |
| 30 | 92629 | 45173 | 54827 | 47456 | 70 |
| 40 | 93064 | 45619 | 54381 | 47445 | 60 |
| 50 | 93500 | 46066 | 53934 | 47435 | 50 |
| 60 | 93936 | 46512 | 53488 | 47424 | 40 |
| 70 | 94372 | 46959 | 53041 | 47413 | 30 |
| 80 | 94807 | 47405 | 52595 | 47403 | 20 |
| 90 | 95243 | 47851 | 52149 | 47392 | 10 |
| **89 oo** | 95679 | 48298 | 51702 | 47381 | **11 oo** |
| 10 | 96114 | 48744 | 51256 | 47370 | 90 |
| 20 | 96550 | 49190 | 50810 | 47360 | 80 |
| 30 | 96985 | 49636 | 50364 | 47349 | 70 |
| 40 | 97421 | 50082 | 49918 | 47338 | 60 |
| 50 | 97856 | 50528 | 49472 | 47328 | 50 |
| 60 | 98291 | 50974 | 49026 | 47317 | 40 |
| 70 | 98727 | 51420 | 48580 | 47306 | 30 |
| 80 | 99162 | 51866 | 48134 | 47296 | 20 |
| 90 | 99597 | 52312 | 47688 | 47285 | 10 |
| **90 oo** | ∗00032 | 52758 | 47242 | 47274 | **10 oo** |
| | ∗**9.19** | **9.19** | **0.80** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $90^g$ |
| | 435 | 446 | 446 | 11 | |

| | 451 | 450 | 449 | 448 | 447 | 446 | 440 | 439 | 438 | 437 | 436 | 435 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 45,1 | 45,0 | 44,9 | 44,8 | 44,7 | 44,6 | 44,0 | 43,9 | 43,8 | 43,7 | 43,6 | 43,5 | 1,1 | 1 |
| 2 | 90,2 | 90,0 | 89,8 | 89,6 | 89,4 | 89,2 | 88,0 | 87,8 | 87,6 | 87,4 | 87,2 | 87,0 | 2,2 | 2 |
| 3 | 135,3 | 135,0 | 134,7 | 134,4 | 134,1 | 133,8 | 132,0 | 131,7 | 131,4 | 131,1 | 130,8 | 130,5 | 3,3 | 3 |
| 4 | 180,4 | 180,0 | 179,6 | 179,2 | 178,8 | 178,4 | 176,0 | 175,6 | 175,2 | 174,8 | 174,4 | 174,0 | 4,4 | 4 |
| 5 | 225,5 | 225,0 | 224,5 | 224,0 | 223,5 | 223,0 | 220,0 | 219,5 | 219,0 | 218,5 | 218,0 | 217,5 | 5,5 | 5 |
| 6 | 270,6 | 270,0 | 269,4 | 268,8 | 268,2 | 267,6 | 264,0 | 263,4 | 262,8 | 262,2 | 261,6 | 261,0 | 6,6 | 6 |
| 7 | 315,7 | 315,0 | 314,3 | 313,6 | 312,9 | 312,2 | 308,0 | 307,3 | 306,6 | 305,9 | 305,2 | 304,5 | 7,7 | 7 |
| 8 | 360,8 | 360,0 | 359,2 | 358,4 | 357,6 | 356,8 | 352,0 | 351,2 | 350,4 | 349,6 | 348,8 | 348,0 | 8,8 | 8 |
| 9 | 405,9 | 405,0 | 404,1 | 403,2 | 402,3 | 401,4 | 396,0 | 395,1 | 394,2 | 393,3 | 392,4 | 391,5 | 9,9 | 9 |

| 9g | 436 | 446 | 446 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.19** | **9.19** | **0.80** | **9.99** | |
| **90 oo** | 00032 | 52758 | 47242 | 47274 | **10 oo** |
| 10 | 00467 | 53204 | 46796 | 47264 | 90 |
| 20 | 00903 | 53650 | 46350 | 47253 | 80 |
| 30 | 01338 | 54095 | 45905 | 47242 | 70 |
| 40 | 01773 | 54541 | 45459 | 47231 | 60 |
| 50 | 02207 | 54987 | 45013 | 47221 | 50 |
| 60 | 02642 | 55432 | 44568 | 47210 | 40 |
| 70 | 03077 | 55878 | 44122 | 47199 | 30 |
| 80 | 03512 | 56323 | 43677 | 47189 | 20 |
| 90 | 03947 | 56769 | 43231 | 47178 | 10 |
| **91 oo** | 04382 | 57214 | 42786 | 47167 | **09 oo** |
| 10 | 04816 | 57660 | 42340 | 47157 | 90 |
| 20 | 05251 | 58105 | 41895 | 47146 | 80 |
| 30 | 05685 | 58550 | 41450 | 47135 | 70 |
| 40 | 06120 | 58996 | 41004 | 47124 | 60 |
| 50 | 06554 | 59441 | 40559 | 47114 | 50 |
| 60 | 06989 | 59886 | 40114 | 47103 | 40 |
| 70 | 07423 | 60331 | 39669 | 47092 | 30 |
| 80 | 07858 | 60776 | 39224 | 47082 | 20 |
| 90 | 08292 | 61221 | 38779 | 47071 | 10 |
| **92 oo** | 08726 | 61666 | 38334 | 47060 | **08 oo** |
| 10 | 09160 | 62111 | 37889 | 47049 | 90 |
| 20 | 09595 | 62556 | 37444 | 47039 | 80 |
| 30 | 10029 | 63001 | 36999 | 47028 | 70 |
| 40 | 10463 | 63446 | 36554 | 47017 | 60 |
| 50 | 10897 | 63890 | 36110 | 47007 | 50 |
| 60 | 11331 | 64335 | 35665 | 46996 | 40 |
| 70 | 11765 | 64780 | 35220 | 46985 | 30 |
| 80 | 12199 | 65224 | 34776 | 46974 | 20 |
| 90 | 12633 | 65669 | 34331 | 46964 | 10 |
| **93 oo** | 13066 | 66114 | 33886 | 46953 | **07 oo** |
| 10 | 13500 | 66558 | 33442 | 46942 | 90 |
| 20 | 13934 | 67003 | 32997 | 46931 | 80 |
| 30 | 14368 | 67447 | 32553 | 46921 | 70 |
| 40 | 14801 | 67891 | 32109 | 46910 | 60 |
| 50 | 15235 | 68336 | 31664 | 46899 | 50 |
| 60 | 15668 | 68780 | 31220 | 46889 | 40 |
| 70 | 16102 | 69224 | 30776 | 46878 | 30 |
| 80 | 16535 | 69668 | 30332 | 46867 | 20 |
| 90 | 16969 | 70113 | 29887 | 46856 | 10 |
| **94 oo** | 17402 | 70557 | 29443 | 46846 | **06 oo** |
| 10 | 17836 | 71001 | 28999 | 46835 | 90 |
| 20 | 18269 | 71445 | 28555 | 46824 | 80 |
| 30 | 18702 | 71889 | 28111 | 46813 | 70 |
| 40 | 19135 | 72333 | 27667 | 46803 | 60 |
| 50 | 19569 | 72777 | 27223 | 46792 | 50 |
| 60 | 20002 | 73221 | 26779 | 46781 | 40 |
| 70 | 20435 | 73664 | 26336 | 46770 | 30 |
| 80 | 20868 | 74108 | 25892 | 46760 | 20 |
| 90 | 21301 | 74552 | 25448 | 46749 | 10 |
| **95 oo** | 21734 | 74996 | 25004 | 46738 | **05 oo** |
| | **9.19** | **9.19** | **0.80** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 90g |
| | 433 | 443 | 443 | 11 | |

| 9g | 433 | 444 | 444 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.19** | **9.19** | **0.80** | **9.99** | |
| **95 oo** | 21734 | 74996 | 25004 | 46738 | **05 oo** |
| 10 | 22167 | 75439 | 24561 | 46727 | 90 |
| 20 | 22599 | 75883 | 24117 | 46717 | 80 |
| 30 | 23032 | 76326 | 23674 | 46706 | 70 |
| 40 | 23465 | 76770 | 23230 | 46695 | 60 |
| 50 | 23898 | 77213 | 22787 | 46684 | 50 |
| 60 | 24330 | 77657 | 22343 | 46674 | 40 |
| 70 | 24763 | 78100 | 21900 | 46663 | 30 |
| 80 | 25196 | 78543 | 21457 | 46652 | 20 |
| 90 | 25628 | 78987 | 21013 | 46641 | 10 |
| **96 oo** | 26061 | 79430 | 20570 | 46631 | **04 oo** |
| 10 | 26493 | 79873 | 20127 | 46620 | 90 |
| 20 | 26925 | 80316 | 19684 | 46609 | 80 |
| 30 | 27358 | 80760 | 19240 | 46598 | 70 |
| 40 | 27790 | 81203 | 18797 | 46588 | 60 |
| 50 | 28222 | 81646 | 18354 | 46577 | 50 |
| 60 | 28655 | 82089 | 17911 | 46566 | 40 |
| 70 | 29087 | 82532 | 17468 | 46555 | 30 |
| 80 | 29519 | 82975 | 17025 | 46544 | 20 |
| 90 | 29951 | 83417 | 16583 | 46534 | 10 |
| **97 oo** | 30383 | 83860 | 16140 | 46523 | **03 oo** |
| 10 | 30815 | 84303 | 15697 | 46512 | 90 |
| 20 | 31247 | 84746 | 15254 | 46501 | 80 |
| 30 | 31679 | 85188 | 14812 | 46491 | 70 |
| 40 | 32111 | 85631 | 14369 | 46480 | 60 |
| 50 | 32543 | 86074 | 13926 | 46469 | 50 |
| 60 | 32975 | 86516 | 13484 | 46458 | 40 |
| 70 | 33406 | 86959 | 13041 | 46447 | 30 |
| 80 | 33838 | 87401 | 12599 | 46437 | 20 |
| 90 | 34270 | 87844 | 12156 | 46426 | 10 |
| **98 oo** | 34701 | 88286 | 11714 | 46415 | **02 oo** |
| 10 | 35133 | 88729 | 11271 | 46404 | 90 |
| 20 | 35564 | 89171 | 10829 | 46394 | 80 |
| 30 | 35996 | 89613 | 10387 | 46383 | 70 |
| 40 | 36427 | 90055 | 09945 | 46372 | 60 |
| 50 | 36859 | 90498 | 09502 | 46361 | 50 |
| 60 | 37290 | 90940 | 09060 | 46350 | 40 |
| 70 | 37721 | 91382 | 08618 | 46340 | 30 |
| 80 | 38153 | 91824 | 08176 | 46329 | 20 |
| 90 | 38584 | 92266 | 07734 | 46318 | 10 |
| **99 oo** | 39015 | 92708 | 07292 | 46307 | **01 oo** |
| 10 | 39446 | 93150 | 06850 | 46296 | 90 |
| 20 | 39877 | 93592 | 06408 | 46286 | 80 |
| 30 | 40308 | 94033 | 05967 | 46275 | 70 |
| 40 | 40739 | 94475 | 05525 | 46264 | 60 |
| 50 | 41170 | 94917 | 05083 | 46253 | 50 |
| 60 | 41601 | 95359 | 04641 | 46242 | 40 |
| 70 | 42032 | 95800 | 04200 | 46232 | 30 |
| 80 | 42463 | 96242 | 03758 | 46221 | 20 |
| 90 | 42894 | 96684 | 03316 | 46210 | 10 |
| **100 oo** | 43324 | 97125 | 02875 | 46199 | **00 oo** |
| | **9.19** | **9.19** | **0.80** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 90g |
| | 430 | 441 | 441 | 11 | |

| | 446 | 445 | 444 | 443 | 442 | 441 | 436 | 435 | 434 | 433 | 432 | 431 | 430 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 44,6 | 44,5 | 44,4 | 44,3 | 44,2 | 44,1 | 43,6 | 43,5 | 43,4 | 43,3 | 43,2 | 43,1 | 43,0 | 1,1 | 1 |
| 2 | 89,2 | 89,0 | 88,8 | 88,6 | 88,4 | 88,2 | 87,2 | 87,0 | 86,8 | 86,6 | 86,4 | 86,2 | 86,0 | 2,2 | 2 |
| 3 | 133,8 | 133,5 | 133,2 | 132,9 | 132,6 | 132,3 | 130,8 | 130,5 | 130,2 | 129,9 | 129,6 | 129,3 | 129,0 | 3,3 | 3 |
| 4 | 178,4 | 178,0 | 177,6 | 177,2 | 176,8 | 176,4 | 174,4 | 174,0 | 173,6 | 173,2 | 172,8 | 172,4 | 172,0 | 4,4 | 4 |
| 5 | 223,0 | 222,5 | 222,0 | 221,5 | 221,0 | 220,5 | 218,0 | 217,5 | 217,0 | 216,5 | 216,0 | 215,5 | 215,0 | 5,5 | 5 |
| 6 | 267,6 | 267,0 | 266,4 | 265,8 | 265,2 | 264,6 | 261,6 | 261,0 | 260,4 | 259,8 | 259,2 | 258,6 | 258,0 | 6,6 | 6 |
| 7 | 312,2 | 311,5 | 310,8 | 310,1 | 309,4 | 308,7 | 305,2 | 304,5 | 303,8 | 303,1 | 302,4 | 301,7 | 301,0 | 7,7 | 7 |
| 8 | 356,8 | 356,0 | 355,2 | 354,4 | 353,6 | 352,8 | 348,8 | 348,0 | 347,2 | 346,4 | 345,6 | 344,8 | 344,0 | 8,8 | 8 |
| 9 | 401,4 | 400,5 | 399,6 | 398,7 | 397,8 | 396,9 | 392,4 | 391,5 | 390,6 | 389,7 | 388,8 | 387,9 | 387,0 | 9,9 | 9 |

| $10^g$ | 431 | 442 | 442 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.19** | ***9.19** | ***0.80** | **9.99** | |
| **00 oo** | 43324 | *97125 | *02875 | 46199 | **100 oo** |
| 10 | 43755 | *97567 | *02433 | 46188 | 90 |
| 20 | 44186 | *98008 | *01992 | 46178 | 80 |
| 30 | 44616 | *98450 | *01550 | 46167 | 70 |
| 40 | 45047 | *98891 | *01109 | 46156 | 60 |
| 50 | 45477 | *99332 | *00668 | 46145 | 50 |
| 60 | 45908 | *99774 | *00226 | 46134 | 40 |
| 70 | 46338 | 00215 | 99785 | 46124 | 30 |
| 80 | 46769 | 00656 | 99344 | 46113 | 20 |
| 90 | 47199 | 01097 | 98903 | 46102 | 10 |
| **01 oo** | 47629 | 01538 | 98462 | 46091 | **99 oo** |
| 10 | 48060 | 01979 | 98021 | 46080 | 90 |
| 20 | 48490 | 02420 | 97580 | 46070 | 80 |
| 30 | 48920 | 02861 | 97139 | 46059 | 70 |
| 40 | 49350 | 03302 | 96698 | 46048 | 60 |
| 50 | 49780 | 03743 | 96257 | 46037 | 50 |
| 60 | 50210 | 04184 | 95816 | 46026 | 40 |
| 70 | 50640 | 04625 | 95375 | 46015 | 30 |
| 80 | 51070 | 05066 | 94934 | 46005 | 20 |
| 90 | 51500 | 05506 | 94494 | 45994 | 10 |
| **02 oo** | 51930 | 05947 | 94053 | 45983 | **98 oo** |
| 10 | 52360 | 06388 | 93612 | 45972 | 90 |
| 20 | 52790 | 06828 | 93172 | 45961 | 80 |
| 30 | 53219 | 07269 | 92731 | 45950 | 70 |
| 40 | 53649 | 07709 | 92291 | 45940 | 60 |
| 50 | 54079 | 08150 | 91850 | 45929 | 50 |
| 60 | 54508 | 08590 | 91410 | 45918 | 40 |
| 70 | 54938 | 09031 | 90969 | 45907 | 30 |
| 80 | 55367 | 09471 | 90529 | 45896 | 20 |
| 90 | 55797 | 09911 | 90089 | 45885 | 10 |
| **03 oo** | 56226 | 10352 | 89648 | 45875 | **97 oo** |
| 10 | 56656 | 10792 | 89208 | 45864 | 90 |
| 20 | 57085 | 11232 | 88768 | 45853 | 80 |
| 30 | 57514 | 11672 | 88328 | 45842 | 70 |
| 40 | 57944 | 12112 | 87888 | 45831 | 60 |
| 50 | 58373 | 12552 | 87448 | 45820 | 50 |
| 60 | 58802 | 12992 | 87008 | 45810 | 40 |
| 70 | 59231 | 13432 | 86568 | 45799 | 30 |
| 80 | 59660 | 13872 | 86128 | 45788 | 20 |
| 90 | 60089 | 14312 | 85688 | 45777 | 10 |
| **04 oo** | 60518 | 14752 | 85248 | 45766 | **96 oo** |
| 10 | 60947 | 15192 | 84808 | 45755 | 90 |
| 20 | 61376 | 15631 | 84369 | 45745 | 80 |
| 30 | 61805 | 16071 | 83929 | 45734 | 70 |
| 40 | 62234 | 16511 | 83489 | 45723 | 60 |
| 50 | 62662 | 16951 | 83049 | 45712 | 50 |
| 60 | 63091 | 17390 | 82610 | 45701 | 40 |
| 70 | 63520 | 17830 | 82170 | 45690 | 30 |
| 80 | 63949 | 18269 | 81731 | 45679 | 20 |
| 90 | 64377 | 18709 | 81291 | 45669 | 10 |
| **05 oo** | 64806 | 19148 | 80852 | 45658 | **95 oo** |
| | **9.19** | **9.20** | **0.79** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 428 | 439 | 439 | 11 | |

| $10^g$ | 429 | 440 | 440 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.19** | **9.20** | **0.79** | **9.99** | |
| **05 oo** | 64806 | 19148 | 80852 | 45658 | **95 oo** |
| 10 | 65234 | 19587 | 80413 | 45647 | 90 |
| 20 | 65663 | 20027 | 79973 | 45636 | 80 |
| 30 | 66091 | 20466 | 79534 | 45625 | 70 |
| 40 | 66519 | 20905 | 79095 | 45614 | 60 |
| 50 | 66948 | 21344 | 78656 | 45603 | 50 |
| 60 | 67376 | 21784 | 78216 | 45592 | 40 |
| 70 | 67804 | 22223 | 77777 | 45582 | 30 |
| 80 | 68233 | 22662 | 77338 | 45571 | 20 |
| 90 | 68661 | 23101 | 76899 | 45560 | 10 |
| **06 oo** | 69089 | 23540 | 76460 | 45549 | **94 oo** |
| 10 | 69517 | 23979 | 76021 | 45538 | 90 |
| 20 | 69945 | 24418 | 75582 | 45527 | 80 |
| 30 | 70373 | 24857 | 75143 | 45516 | 70 |
| 40 | 70801 | 25295 | 74705 | 45506 | 60 |
| 50 | 71229 | 25734 | 74266 | 45495 | 50 |
| 60 | 71657 | 26173 | 73827 | 45484 | 40 |
| 70 | 72085 | 26612 | 73388 | 45473 | 30 |
| 80 | 72512 | 27050 | 72950 | 45462 | 20 |
| 90 | 72940 | 27489 | 72511 | 45451 | 10 |
| **07 oo** | 73368 | 27928 | 72072 | 45440 | **93 oo** |
| 10 | 73795 | 28366 | 71634 | 45429 | 90 |
| 20 | 74223 | 28805 | 71195 | 45418 | 80 |
| 30 | 74651 | 29243 | 70757 | 45408 | 70 |
| 40 | 75078 | 29681 | 70319 | 45397 | 60 |
| 50 | 75506 | 30120 | 69880 | 45386 | 50 |
| 60 | 75933 | 30558 | 69442 | 45375 | 40 |
| 70 | 76360 | 30996 | 69004 | 45364 | 30 |
| 80 | 76788 | 31435 | 68565 | 45353 | 20 |
| 90 | 77215 | 31873 | 68127 | 45342 | 10 |
| **08 oo** | 77642 | 32311 | 67689 | 45331 | **92 oo** |
| 10 | 78070 | 32749 | 67251 | 45320 | 90 |
| 20 | 78497 | 33187 | 66813 | 45310 | 80 |
| 30 | 78924 | 33625 | 66375 | 45299 | 70 |
| 40 | 79351 | 34063 | 65937 | 45288 | 60 |
| 50 | 79778 | 34501 | 65499 | 45277 | 50 |
| 60 | 80205 | 34939 | 65061 | 45266 | 40 |
| 70 | 80632 | 35377 | 64623 | 45255 | 30 |
| 80 | 81059 | 35815 | 64185 | 45244 | 20 |
| 90 | 81486 | 36252 | 63748 | 45233 | 10 |
| **09 oo** | 81913 | 36690 | 63310 | 45222 | **91 oo** |
| 10 | 82339 | 37128 | 62872 | 45211 | 90 |
| 20 | 82766 | 37566 | 62434 | 45201 | 80 |
| 30 | 83193 | 38003 | 61997 | 45190 | 70 |
| 40 | 83620 | 38441 | 61559 | 45179 | 60 |
| 50 | 84046 | 38878 | 61122 | 45168 | 50 |
| 60 | 84473 | 39316 | 60684 | 45157 | 40 |
| 70 | 84899 | 39753 | 60247 | 45146 | 30 |
| 80 | 85326 | 40191 | 59809 | 45135 | 20 |
| 90 | 85752 | 40628 | 59372 | 45124 | 10 |
| **10 oo** | 86179 | 41065 | 58935 | 45113 | **90 oo** |
| | **9.19** | **9.20** | **0.79** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 426 | 437 | 437 | 11 | |

| | 442 | 441 | 440 | 439 | 438 | 437 | 431 | 430 | 429 | 428 | 427 | 426 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 44,2 | 44,1 | 44,0 | 43,9 | 43,8 | 43,7 | 43,1 | 43,0 | 42,9 | 42,8 | 42,7 | 42,6 | 1,1 | 1 |
| 2 | 88,4 | 88,2 | 88,0 | 87,8 | 87,6 | 87,4 | 86,2 | 86,0 | 85,8 | 85,6 | 85,4 | 85,2 | 2,2 | 2 |
| 3 | 132,6 | 132,3 | 132,0 | 131,7 | 131,4 | 131,1 | 129,3 | 129,0 | 128,7 | 128,4 | 128,1 | 127,8 | 3,3 | 3 |
| 4 | 176,8 | 176,4 | 176,0 | 175,6 | 175,2 | 174,8 | 172,4 | 172,0 | 171,6 | 171,2 | 170,8 | 170,4 | 4,4 | 4 |
| 5 | 221,0 | 220,5 | 220,0 | 219,5 | 219,0 | 218,5 | 215,5 | 215,0 | 214,5 | 214,0 | 213,5 | 213,0 | 5,5 | 5 |
| 6 | 265,2 | 264,6 | 264,0 | 263,4 | 262,8 | 262,2 | 258,6 | 258,0 | 257,4 | 256,8 | 256,2 | 255,6 | 6,6 | 6 |
| 7 | 309,4 | 308,7 | 308,0 | 307,3 | 306,6 | 305,9 | 301,7 | 301,0 | 300,3 | 299,6 | 298,9 | 298,2 | 7,7 | 7 |
| 8 | 353,6 | 352,8 | 352,0 | 351,2 | 350,4 | 349,6 | 344,8 | 344,0 | 343,2 | 342,4 | 341,6 | 340,8 | 8,8 | 8 |
| 9 | 397,8 | 396,9 | 396,0 | 395,1 | 394,2 | 393,3 | 387,9 | 387,0 | 386,1 | 385,2 | 384,3 | 383,4 | 9,9 | 9 |

| $10^g$ | 427 | 438 | 438 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.19** | **9.20** | **0.79** | **9.99** | |
| **10 oo** | 86179 | 41065 | 58935 | 45113 | **90 oo** |
| 10 | 86605 | 41503 | 58497 | 45102 | 90 |
| 20 | 87031 | 41940 | 58060 | 45091 | 80 |
| 30 | 87458 | 42377 | 57623 | 45081 | 70 |
| 40 | 87884 | 42814 | 57186 | 45070 | 60 |
| 50 | 88310 | 43251 | 56749 | 45059 | 50 |
| 60 | 88736 | 43688 | 56312 | 45048 | 40 |
| 70 | 89162 | 44125 | 55875 | 45037 | 30 |
| 80 | 89588 | 44562 | 55438 | 45026 | 20 |
| 90 | 90014 | 44999 | 55001 | 45015 | 10 |
| **11 oo** | 90440 | 45436 | 54564 | 45004 | **89 oo** |
| 10 | 90866 | 45873 | 54127 | 44993 | 90 |
| 20 | 91292 | 46310 | 53690 | 44982 | 80 |
| 30 | 91718 | 46747 | 53253 | 44971 | 70 |
| 40 | 92144 | 47183 | 52817 | 44960 | 60 |
| 50 | 92569 | 47620 | 52380 | 44949 | 50 |
| 60 | 92995 | 48057 | 51943 | 44939 | 40 |
| 70 | 93421 | 48493 | 51507 | 44928 | 30 |
| 80 | 93846 | 48930 | 51070 | 44917 | 20 |
| 90 | 94272 | 49366 | 50634 | 44906 | 10 |
| **12 oo** | 94698 | 49803 | 50197 | 44895 | **88 oo** |
| 10 | 95123 | 50239 | 49761 | 44884 | 90 |
| 20 | 95549 | 50676 | 49324 | 44873 | 80 |
| 30 | 95974 | 51112 | 48888 | 44862 | 70 |
| 40 | 96399 | 51548 | 48452 | 44851 | 60 |
| 50 | 96825 | 51985 | 48015 | 44840 | 50 |
| 60 | 97250 | 52421 | 47579 | 44829 | 40 |
| 70 | 97675 | 52857 | 47143 | 44818 | 30 |
| 80 | 98100 | 53293 | 46707 | 44807 | 20 |
| 90 | 98526 | 53729 | 46271 | 44796 | 10 |
| **13 oo** | 98951 | 54165 | 45835 | 44785 | **87 oo** |
| 10 | 99376 | 54601 | 45399 | 44774 | 90 |
| 20 | 99801 | 55037 | 44963 | 44763 | 80 |
| 30 | *00226 | 55473 | 44527 | 44753 | 70 |
| 40 | *00651 | 55909 | 44091 | 44742 | 60 |
| 50 | *01076 | 56345 | 43655 | 44731 | 50 |
| 60 | *01501 | 56781 | 43219 | 44720 | 40 |
| 70 | *01925 | 57217 | 42783 | 44709 | 30 |
| 80 | *02350 | 57652 | 42348 | 44698 | 20 |
| 90 | *02775 | 58088 | 41912 | 44687 | 10 |
| **14 oo** | *03200 | 58524 | 41476 | 44676 | **86 oo** |
| 10 | *03624 | 58959 | 41041 | 44665 | 90 |
| 20 | *04049 | 59395 | 40605 | 44654 | 80 |
| 30 | *04473 | 59830 | 40170 | 44643 | 70 |
| 40 | *04898 | 60266 | 39734 | 44632 | 60 |
| 50 | *05322 | 60701 | 39299 | 44621 | 50 |
| 60 | *05747 | 61137 | 38863 | 44610 | 40 |
| 70 | *06171 | 61572 | 38428 | 44599 | 30 |
| 80 | *06596 | 62007 | 37993 | 44588 | 20 |
| 90 | *07020 | 62443 | 37557 | 44577 | 10 |
| **15 oo** | *07444 | 62878 | 37122 | 44566 | **85 oo** |
| | ***9.20** | **9.20** | **0.79** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 424 | 435 | 435 | 11 | |

| $10^g$ | 425 | 435 | 435 | 10 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.20** | **9.20** | **0.79** | **9.99** | |
| **15 oo** | 07444 | 62878 | 37122 | 44566 | **85 oo** |
| 10 | 07868 | 63313 | 36687 | 44555 | 90 |
| 20 | 08293 | 63748 | 36252 | 44544 | 80 |
| 30 | 08717 | 64183 | 35817 | 44533 | 70 |
| 40 | 09141 | 64618 | 35382 | 44522 | 60 |
| 50 | 09565 | 65053 | 34947 | 44511 | 50 |
| 60 | 09989 | 65488 | 34512 | 44500 | 40 |
| 70 | 10413 | 65923 | 34077 | 44489 | 30 |
| 80 | 10837 | 66358 | 33642 | 44478 | 20 |
| 90 | 11261 | 66793 | 33207 | 44467 | 10 |
| **16 oo** | 11684 | 67228 | 32772 | 44456 | **84 oo** |
| 10 | 12108 | 67663 | 32337 | 44445 | 90 |
| 20 | 12532 | 68098 | 31902 | 44434 | 80 |
| 30 | 12956 | 68532 | 31468 | 44423 | 70 |
| 40 | 13379 | 68967 | 31033 | 44413 | 60 |
| 50 | 13803 | 69401 | 30599 | 44402 | 50 |
| 60 | 14227 | 69836 | 30164 | 44391 | 40 |
| 70 | 14650 | 70271 | 29729 | 44380 | 30 |
| 80 | 15074 | 70705 | 29295 | 44369 | 20 |
| 90 | 15497 | 71140 | 28860 | 44358 | 10 |
| **17 oo** | 15921 | 71574 | 28426 | 44347 | **83 oo** |
| 10 | 16344 | 72008 | 27992 | 44336 | 90 |
| 20 | 16767 | 72443 | 27557 | 44325 | 80 |
| 30 | 17191 | 72877 | 27123 | 44314 | 70 |
| 40 | 17614 | 73311 | 26689 | 44303 | 60 |
| 50 | 18037 | 73745 | 26255 | 44292 | 50 |
| 60 | 18460 | 74180 | 25820 | 44281 | 40 |
| 70 | 18883 | 74614 | 25386 | 44270 | 30 |
| 80 | 19306 | 75048 | 24952 | 44259 | 20 |
| 90 | 19729 | 75482 | 24518 | 44248 | 10 |
| **18 oo** | 20152 | 75916 | 24084 | 44237 | **82 oo** |
| 10 | 20575 | 76350 | 23650 | 44226 | 90 |
| 20 | 20998 | 76784 | 23216 | 44215 | 80 |
| 30 | 21421 | 77218 | 22782 | 44204 | 70 |
| 40 | 21844 | 77651 | 22349 | 44193 | 60 |
| 50 | 22267 | 78085 | 21915 | 44182 | 50 |
| 60 | 22689 | 78519 | 21481 | 44171 | 40 |
| 70 | 23112 | 78953 | 21047 | 44160 | 30 |
| 80 | 23535 | 79386 | 20614 | 44149 | 20 |
| 90 | 23957 | 79820 | 20180 | 44138 | 10 |
| **19 oo** | 24380 | 80253 | 19747 | 44127 | **81 oo** |
| 10 | 24803 | 80687 | 19313 | 44116 | 90 |
| 20 | 25225 | 81121 | 18879 | 44104 | 80 |
| 30 | 25647 | 81554 | 18446 | 44093 | 70 |
| 40 | 26070 | 81987 | 18013 | 44082 | 60 |
| 50 | 26492 | 82421 | 17579 | 44071 | 50 |
| 60 | 26915 | 82854 | 17146 | 44060 | 40 |
| 70 | 27337 | 83287 | 16713 | 44049 | 30 |
| 80 | 27759 | 83721 | 16279 | 44038 | 20 |
| 90 | 28181 | 84154 | 15846 | 44027 | 10 |
| **20 oo** | 28603 | 84587 | 15413 | 44016 | **80 oo** |
| | **9.20** | **9.20** | **0.79** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 422 | 433 | 433 | 12 | |

| | 438 | 437 | 436 | 435 | 434 | 433 | 427 | 426 | 425 | 424 | 423 | 422 | 12 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 43,8 | 43,7 | 43,6 | 43,5 | 43,4 | 43,3 | 42,7 | 42,6 | 42,5 | 42,4 | 42,3 | 42,2 | 1,2 | 1,1 | 1 |
| 2 | 87,6 | 87,4 | 87,2 | 87,0 | 86,8 | 86,6 | 85,4 | 85,2 | 85,0 | 84,8 | 84,6 | 84,4 | 2,4 | 2,2 | 2 |
| 3 | 131,4 | 131,1 | 130,8 | 130,5 | 130,2 | 129,9 | 128,1 | 127,8 | 127,5 | 127,2 | 126,9 | 126,6 | 3,6 | 3,3 | 3 |
| 4 | 175,2 | 174,8 | 174,4 | 174,0 | 173,6 | 173,2 | 170,8 | 170,4 | 170,0 | 169,6 | 169,2 | 168,8 | 4,8 | 4,4 | 4 |
| 5 | 219,0 | 218,5 | 218,0 | 217,5 | 217,0 | 216,5 | 213,5 | 213,0 | 212,5 | 212,0 | 211,5 | 211,0 | 6,0 | 5,5 | 5 |
| 6 | 262,8 | 262,2 | 261,6 | 261,0 | 260,4 | 259,8 | 256,2 | 255,6 | 255,0 | 254,4 | 253,8 | 253,2 | 7,2 | 6,6 | 6 |
| 7 | 306,6 | 305,9 | 305,2 | 304,5 | 303,8 | 303,1 | 298,9 | 298,2 | 297,5 | 296,8 | 296,1 | 295,4 | 8,4 | 7,7 | 7 |
| 8 | 350,4 | 349,6 | 348,8 | 348,0 | 347,2 | 346,4 | 341,6 | 340,8 | 340,0 | 339,2 | 338,4 | 337,6 | 9,6 | 8,8 | 8 |
| 9 | 394,2 | 393,3 | 392,4 | 391,5 | 390,6 | 389,7 | 384,3 | 383,4 | 382,5 | 381,6 | 380,7 | 379,8 | 10,8 | 9,9 | 9 |

| $10^g$ | 423 | 433 | 433 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.20** | **9.20** | **0.79** | **9.99** | |
| **20 oo** | 28603 | 84587 | 15413 | 44016 | **80 oo** |
| 10 | 29025 | 85020 | 14980 | 44005 | 90 |
| 20 | 29448 | 85453 | 14547 | 43994 | 80 |
| 30 | 29870 | 85886 | 14114 | 43983 | 70 |
| 40 | 30292 | 86319 | 13681 | 43972 | 60 |
| 50 | 30714 | 86752 | 13248 | 43961 | 50 |
| 60 | 31135 | 87185 | 12815 | 43950 | 40 |
| 70 | 31557 | 87618 | 12382 | 43939 | 30 |
| 80 | 31979 | 88051 | 11949 | 43928 | 20 |
| 90 | 32401 | 88484 | 11516 | 43917 | 10 |
| **21 oo** | 32823 | 88917 | 11083 | 43906 | **79 oo** |
| 10 | 33244 | 89349 | 10651 | 43895 | 90 |
| 20 | 33666 | 89782 | 10218 | 43884 | 80 |
| 30 | 34088 | 90215 | 09785 | 43873 | 70 |
| 40 | 34509 | 90647 | 09353 | 43862 | 60 |
| 50 | 34931 | 91080 | 08920 | 43851 | 50 |
| 60 | 35352 | 91512 | 08488 | 43840 | 40 |
| 70 | 35774 | 91945 | 08055 | 43829 | 30 |
| 80 | 36195 | 92377 | 07623 | 43818 | 20 |
| 90 | 36616 | 92810 | 07190 | 43807 | 10 |
| **22 oo** | 37038 | 93242 | 06758 | 43796 | **78 oo** |
| 10 | 37459 | 93674 | 06326 | 43785 | 90 |
| 20 | 37880 | 94107 | 05893 | 43774 | 80 |
| 30 | 38301 | 94539 | 05461 | 43762 | 70 |
| 40 | 38722 | 94971 | 05029 | 43751 | 60 |
| 50 | 39143 | 95403 | 04597 | 43740 | 50 |
| 60 | 39565 | 95835 | 04165 | 43729 | 40 |
| 70 | 39986 | 96267 | 03733 | 43718 | 30 |
| 80 | 40407 | 96699 | 03301 | 43707 | 20 |
| 90 | 40827 | 97131 | 02869 | 43696 | 10 |
| **23 oo** | 41248 | 97563 | 02437 | 43685 | **77 oo** |
| 10 | 41669 | 97995 | 02005 | 43674 | 90 |
| 20 | 42090 | 98427 | 01573 | 43663 | 80 |
| 30 | 42511 | 98859 | 01141 | 43652 | 70 |
| 40 | 42932 | 99291 | 00709 | 43641 | 60 |
| 50 | 43352 | 99722 | 00278 | 43630 | 50 |
| 60 | 43773 | *00154 | *99846 | 43619 | 40 |
| 70 | 44193 | *00586 | *99414 | 43608 | 30 |
| 80 | 44614 | *01017 | *98983 | 43597 | 20 |
| 90 | 45034 | *01449 | *98551 | 43586 | 10 |
| **24 oo** | 45455 | *01880 | *98120 | 43574 | **76 oo** |
| 10 | 45875 | *02312 | *97688 | 43563 | 90 |
| 20 | 46296 | *02743 | *97257 | 43552 | 80 |
| 30 | 46716 | *03175 | *96825 | 43541 | 70 |
| 40 | 47136 | *03606 | *96394 | 43530 | 60 |
| 50 | 47557 | *04038 | *95962 | 43519 | 50 |
| 60 | 47977 | *04469 | *95531 | 43508 | 40 |
| 70 | 48397 | *04900 | *95100 | 43497 | 30 |
| 80 | 48817 | *05331 | *94669 | 43486 | 20 |
| 90 | 49237 | *05763 | *94237 | 43475 | 10 |
| **25 oo** | 49657 | *06194 | *93806 | 43464 | **75 oo** |
| | **9.20** | ***9.21** | ***0.78** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 420 | 431 | 431 | 12 | |

| $10^g$ | 420 | 431 | 431 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.20** | **9.21** | **0.78** | **9.99** | |
| **25 oo** | 49657 | 06194 | 93806 | 43464 | **75 oo** |
| 10 | 50077 | 06625 | 93375 | 43453 | 90 |
| 20 | 50497 | 07056 | 92944 | 43442 | 80 |
| 30 | 50917 | 07487 | 92513 | 43430 | 70 |
| 40 | 51337 | 07918 | 92082 | 43419 | 60 |
| 50 | 51757 | 08349 | 91651 | 43408 | 50 |
| 60 | 52177 | 08780 | 91220 | 43397 | 40 |
| 70 | 52597 | 09210 | 90790 | 43386 | 30 |
| 80 | 53016 | 09641 | 90359 | 43375 | 20 |
| 90 | 53436 | 10072 | 89928 | 43364 | 10 |
| **26 oo** | 53856 | 10503 | 89497 | 43353 | **74 oo** |
| 10 | 54275 | 10933 | 89067 | 43342 | 90 |
| 20 | 54695 | 11364 | 88636 | 43331 | 80 |
| 30 | 55114 | 11795 | 88205 | 43320 | 70 |
| 40 | 55534 | 12225 | 87775 | 43309 | 60 |
| 50 | 55953 | 12656 | 87344 | 43297 | 50 |
| 60 | 56373 | 13086 | 86914 | 43286 | 40 |
| 70 | 56792 | 13517 | 86483 | 43275 | 30 |
| 80 | 57211 | 13947 | 86053 | 43264 | 20 |
| 90 | 57631 | 14378 | 85622 | 43253 | 10 |
| **27 oo** | 58050 | 14808 | 85192 | 43242 | **73 oo** |
| 10 | 58469 | 15238 | 84762 | 43231 | 90 |
| 20 | 58888 | 15668 | 84332 | 43220 | 80 |
| 30 | 59307 | 16099 | 83901 | 43209 | 70 |
| 40 | 59726 | 16529 | 83471 | 43198 | 60 |
| 50 | 60145 | 16959 | 83041 | 43186 | 50 |
| 60 | 60564 | 17389 | 82611 | 43175 | 40 |
| 70 | 60983 | 17819 | 82181 | 43164 | 30 |
| 80 | 61402 | 18249 | 81751 | 43153 | 20 |
| 90 | 61821 | 18679 | 81321 | 43142 | 10 |
| **28 oo** | 62240 | 19109 | 80891 | 43131 | **72 oo** |
| 10 | 62658 | 19539 | 80461 | 43120 | 90 |
| 20 | 63077 | 19969 | 80031 | 43109 | 80 |
| 30 | 63496 | 20398 | 79602 | 43098 | 70 |
| 40 | 63915 | 20828 | 79172 | 43086 | 60 |
| 50 | 64333 | 21258 | 78742 | 43075 | 50 |
| 60 | 64752 | 21688 | 78312 | 43064 | 40 |
| 70 | 65170 | 22117 | 77883 | 43053 | 30 |
| 80 | 65589 | 22547 | 77453 | 43042 | 20 |
| 90 | 66007 | 22976 | 77024 | 43031 | 10 |
| **29 oo** | 66425 | 23406 | 76594 | 43020 | **71 oo** |
| 10 | 66844 | 23835 | 76165 | 43009 | 90 |
| 20 | 67262 | 24265 | 75735 | 42997 | 80 |
| 30 | 67680 | 24694 | 75306 | 42986 | 70 |
| 40 | 68099 | 25123 | 74877 | 42975 | 60 |
| 50 | 68517 | 25553 | 74447 | 42964 | 50 |
| 60 | 68935 | 25982 | 74018 | 42953 | 40 |
| 70 | 69353 | 26411 | 73589 | 42942 | 30 |
| 80 | 69771 | 26841 | 73159 | 42931 | 20 |
| 90 | 70189 | 27270 | 72730 | 42920 | 10 |
| **30 oo** | 70607 | 27699 | 72301 | 42908 | **70 oo** |
| | **9.20** | **9.21** | **0.78** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 418 | 429 | 429 | 12 | |

| | 433 | 432 | 431 | 430 | 429 | 423 | 422 | 421 | 420 | 419 | 418 | 12 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 43,3 | 43,2 | 43,1 | 43,0 | 42,9 | 42,3 | 42,2 | 42,1 | 42,0 | 41,9 | 41,8 | 1,2 | 1,1 | 1 |
| 2 | 86,6 | 86,4 | 86,2 | 86,0 | 85,8 | 84,6 | 84,4 | 84,2 | 84,0 | 83,8 | 83,6 | 2,4 | 2,2 | 2 |
| 3 | 129,9 | 129,6 | 129,3 | 129,0 | 128,7 | 126,9 | 126,6 | 126,3 | 126,0 | 125,7 | 125,4 | 3,6 | 3,3 | 3 |
| 4 | 173,2 | 172,8 | 172,4 | 172,0 | 171,6 | 169,2 | 168,8 | 168,4 | 168,0 | 167,6 | 167,2 | 4,8 | 4,4 | 4 |
| 5 | 216,5 | 216,0 | 215,5 | 215,0 | 214,5 | 211,5 | 211,0 | 210,5 | 210,0 | 209,5 | 209,0 | 6,0 | 5,5 | 5 |
| 6 | 259,8 | 259,2 | 258,6 | 258,0 | 257,4 | 253,8 | 253,2 | 252,6 | 252,0 | 251,4 | 250,8 | 7,2 | 6,6 | 6 |
| 7 | 303,1 | 302,4 | 301,7 | 301,0 | 300,3 | 296,1 | 295,4 | 294,7 | 294,0 | 293,3 | 292,6 | 8,4 | 7,7 | 7 |
| 8 | 346,4 | 345,6 | 344,8 | 344,0 | 343,2 | 338,4 | 337,6 | 336,8 | 336,0 | 335,2 | 334,4 | 9,6 | 8,8 | 8 |
| 9 | 389,7 | 388,8 | 387,9 | 387,0 | 386,1 | 380,7 | 379,8 | 378,9 | 378,0 | 377,1 | 376,2 | 10,8 | 9,9 | 9 |

| $10^g$ | 418 | 429 | 429 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.20** | **9.21** | **0.78** | **9.99** | |
| **30 oo** | 70607 | 27699 | 72301 | 42908 | **70 oo** |
| 10 | 71025 | 28128 | 71872 | 42897 | 90 |
| 20 | 71443 | 28557 | 71443 | 42886 | 80 |
| 30 | 71861 | 28986 | 71014 | 42875 | 70 |
| 40 | 72279 | 29415 | 70585 | 42864 | 60 |
| 50 | 72696 | 29844 | 70156 | 42853 | 50 |
| 60 | 73114 | 30273 | 69727 | 42842 | 40 |
| 70 | 73532 | 30701 | 69299 | 42830 | 30 |
| 80 | 73950 | 31130 | 68870 | 42819 | 20 |
| 90 | 74367 | 31559 | 68441 | 42808 | 10 |
| **31 oo** | 74785 | 31988 | 68012 | 42797 | **69 oo** |
| 10 | 75202 | 32416 | 67584 | 42786 | 90 |
| 20 | 75620 | 32845 | 67155 | 42775 | 80 |
| 30 | 76037 | 33274 | 66726 | 42764 | 70 |
| 40 | 76455 | 33702 | 66298 | 42752 | 60 |
| 50 | 76872 | 34131 | 65869 | 42741 | 50 |
| 60 | 77289 | 34559 | 65441 | 42730 | 40 |
| 70 | 77707 | 34988 | 65012 | 42719 | 30 |
| 80 | 78124 | 35416 | 64584 | 42708 | 20 |
| 90 | 78541 | 35844 | 64156 | 42697 | 10 |
| **32 oo** | 78958 | 36273 | 63727 | 42685 | **68 oo** |
| 10 | 79375 | 36701 | 63299 | 42674 | 90 |
| 20 | 79792 | 37129 | 62871 | 42663 | 80 |
| 30 | 80209 | 37557 | 62443 | 42652 | 70 |
| 40 | 80626 | 37985 | 62015 | 42641 | 60 |
| 50 | 81043 | 38414 | 61586 | 42630 | 50 |
| 60 | 81460 | 38842 | 61158 | 42619 | 40 |
| 70 | 81877 | 39270 | 60730 | 42607 | 30 |
| 80 | 82294 | 39698 | 60302 | 42596 | 20 |
| 90 | 82711 | 40126 | 59874 | 42585 | 10 |
| **33 oo** | 83127 | 40554 | 59446 | 42574 | **67 oo** |
| 10 | 83544 | 40981 | 59019 | 42563 | 90 |
| 20 | 83961 | 41409 | 58591 | 42552 | 80 |
| 30 | 84377 | 41837 | 58163 | 42540 | 70 |
| 40 | 84794 | 42265 | 57735 | 42529 | 60 |
| 50 | 85211 | 42693 | 57307 | 42518 | 50 |
| 60 | 85627 | 43120 | 56880 | 42507 | 40 |
| 70 | 86043 | 43548 | 56452 | 42496 | 30 |
| 80 | 86460 | 43975 | 56025 | 42484 | 20 |
| 90 | 86876 | 44403 | 55597 | 42473 | 10 |
| **34 oo** | 87293 | 44830 | 55170 | 42462 | **66 oo** |
| 10 | 87709 | 45258 | 54742 | 42451 | 90 |
| 20 | 88125 | 45685 | 54315 | 42440 | 80 |
| 30 | 88541 | 46113 | 53887 | 42429 | 70 |
| 40 | 88958 | 46540 | 53460 | 42417 | 60 |
| 50 | 89374 | 46967 | 53033 | 42406 | 50 |
| 60 | 89790 | 47395 | 52605 | 42395 | 40 |
| 70 | 90206 | 47822 | 52178 | 42384 | 30 |
| 80 | 90622 | 48249 | 51751 | 42373 | 20 |
| 90 | 91038 | 48676 | 51324 | 42361 | 10 |
| **35 oo** | 91454 | 49103 | 50897 | 42350 | **65 oo** |
| | **9.20** | **9.21** | **0.78** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 416 | 427 | 427 | 12 | |

| $10^g$ | 416 | 428 | 428 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.20** | **9.21** | **0.78** | **9.99** | |
| **35 oo** | ∗91454 | 49103 | 50897 | 42350 | **65 oo** |
| 10 | ∗91870 | 49530 | 50470 | 42339 | 90 |
| 20 | ∗92285 | 49958 | 50042 | 42328 | 80 |
| 30 | ∗92701 | 50385 | 49615 | 42317 | 70 |
| 40 | ∗93117 | 50811 | 49189 | 42306 | 60 |
| 50 | ∗93533 | 51238 | 48762 | 42294 | 50 |
| 60 | ∗93948 | 51665 | 48335 | 42283 | 40 |
| 70 | ∗94364 | 52092 | 47908 | 42272 | 30 |
| 80 | ∗94780 | 52519 | 47481 | 42261 | 20 |
| 90 | ∗95195 | 52946 | 47054 | 42250 | 10 |
| **36 oo** | ∗95611 | 53372 | 46628 | 42238 | **64 oo** |
| 10 | ∗96026 | 53799 | 46201 | 42227 | 90 |
| 20 | ∗96442 | 54226 | 45774 | 42216 | 80 |
| 30 | ∗96857 | 54652 | 45348 | 42205 | 70 |
| 40 | ∗97272 | 55079 | 44921 | 42194 | 60 |
| 50 | ∗97688 | 55505 | 44495 | 42182 | 50 |
| 60 | ∗98103 | 55932 | 44068 | 42171 | 40 |
| 70 | ∗98518 | 56358 | 43642 | 42160 | 30 |
| 80 | ∗98933 | 56785 | 43215 | 42149 | 20 |
| 90 | ∗99349 | 57211 | 42789 | 42137 | 10 |
| **37 oo** | ∗99764 | 57637 | 42363 | 42126 | **63 oo** |
| 10 | 00179 | 58064 | 41936 | 42115 | 90 |
| 20 | 00594 | 58490 | 41510 | 42104 | 80 |
| 30 | 01009 | 58916 | 41084 | 42093 | 70 |
| 40 | 01424 | 59342 | 40658 | 42081 | 60 |
| 50 | 01839 | 59768 | 40232 | 42070 | 50 |
| 60 | 02253 | 60194 | 39806 | 42059 | 40 |
| 70 | 02668 | 60620 | 39380 | 42048 | 30 |
| 80 | 03083 | 61046 | 38954 | 42037 | 20 |
| 90 | 03498 | 61472 | 38528 | 42025 | 10 |
| **38 oo** | 03912 | 61898 | 38102 | 42014 | **62 oo** |
| 10 | 04327 | 62324 | 37676 | 42003 | 90 |
| 20 | 04742 | 62750 | 37250 | 41992 | 80 |
| 30 | 05156 | 63176 | 36824 | 41980 | 70 |
| 40 | 05571 | 63602 | 36398 | 41969 | 60 |
| 50 | 05985 | 64027 | 35973 | 41958 | 50 |
| 60 | 06400 | 64453 | 35547 | 41947 | 40 |
| 70 | 06814 | 64879 | 35121 | 41936 | 30 |
| 80 | 07229 | 65304 | 34696 | 41924 | 20 |
| 90 | 07643 | 65730 | 34270 | 41913 | 10 |
| **39 oo** | 08057 | 66155 | 33845 | 41902 | **61 oo** |
| 10 | 08471 | 66581 | 33419 | 41891 | 90 |
| 20 | 08886 | 67006 | 32994 | 41879 | 80 |
| 30 | 09300 | 67432 | 32568 | 41868 | 70 |
| 40 | 09714 | 67857 | 32143 | 41857 | 60 |
| 50 | 10128 | 68282 | 31718 | 41846 | 50 |
| 60 | 10542 | 68708 | 31292 | 41834 | 40 |
| 70 | 10956 | 69133 | 30867 | 41823 | 30 |
| 80 | 11370 | 69558 | 30442 | 41812 | 20 |
| 90 | 11784 | 69983 | 30017 | 41801 | 10 |
| **40 oo** | 12198 | 70409 | 29591 | 41789 | **60 oo** |
| | **9.21** | **9.21** | **0.78** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 414 | 425 | 425 | 12 | |

| | 429 | 428 | 427 | 426 | 425 | 418 | 417 | 416 | 415 | 414 | 12 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 42,9 | 42,8 | 42,7 | 42,6 | 42,5 | 41,8 | 41,7 | 41,6 | 41,5 | 41,4 | 1,2 | 1,1 | 1 |
| 2 | 85,8 | 85,6 | 85,4 | 85,2 | 85,0 | 83,6 | 83,4 | 83,2 | 83,0 | 82,8 | 2,4 | 2,2 | 2 |
| 3 | 128,7 | 128,4 | 128,1 | 127,8 | 127,5 | 125,4 | 125,1 | 124,8 | 124,5 | 124,2 | 3,6 | 3,3 | 3 |
| 4 | 171,6 | 171,2 | 170,8 | 170,4 | 170,0 | 167,2 | 166,8 | 166,4 | 166,0 | 165,6 | 4,8 | 4,4 | 4 |
| 5 | 214,5 | 214,0 | 213,5 | 213,0 | 212,5 | 209,0 | 208,5 | 208,0 | 207,5 | 207,0 | 6,0 | 5,5 | 5 |
| 6 | 257,4 | 256,8 | 256,2 | 255,6 | 255,0 | 250,8 | 250,2 | 249,6 | 249,0 | 248,4 | 7,2 | 6,6 | 6 |
| 7 | 300,3 | 299,6 | 298,9 | 298,2 | 297,5 | 292,6 | 291,9 | 291,2 | 290,5 | 289,8 | 8,4 | 7,7 | 7 |
| 8 | 343,2 | 342,4 | 341,6 | 340,8 | 340,0 | 334,4 | 333,6 | 332,8 | 332,0 | 331,2 | 9,6 | 8,8 | 8 |
| 9 | 386,1 | 385,2 | 384,3 | 383,4 | 382,5 | 376,2 | 375,3 | 374,4 | 373,5 | 372,6 | 10,8 | 9,9 | 9 |

| 10g | 414 | 425 | 425 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.21** | **9.21** | **0.78** | **9.99** | |
| **40 oo** | 12198 | 70409 | 29591 | 41789 | **60 oo** |
| 10 | 12612 | 70834 | 29166 | 41778 | 90 |
| 20 | 13026 | 71259 | 28741 | 41767 | 80 |
| 30 | 13439 | 71684 | 28316 | 41756 | 70 |
| 40 | 13853 | 72109 | 27891 | 41744 | 60 |
| 50 | 14267 | 72534 | 27466 | 41733 | 50 |
| 60 | 14680 | 72959 | 27041 | 41722 | 40 |
| 70 | 15094 | 73383 | 26617 | 41711 | 30 |
| 80 | 15508 | 73808 | 26192 | 41699 | 20 |
| 90 | 15921 | 74233 | 25767 | 41688 | 10 |
| **41 oo** | 16335 | 74658 | 25342 | 41677 | **59 oo** |
| 10 | 16748 | 75082 | 24918 | 41666 | 90 |
| 20 | 17161 | 75507 | 24493 | 41654 | 80 |
| 30 | 17575 | 75932 | 24068 | 41643 | 70 |
| 40 | 17988 | 76356 | 23644 | 41632 | 60 |
| 50 | 18401 | 76781 | 23219 | 41621 | 50 |
| 60 | 18815 | 77205 | 22795 | 41609 | 40 |
| 70 | 19228 | 77630 | 22370 | 41598 | 30 |
| 80 | 19641 | 78054 | 21946 | 41587 | 20 |
| 90 | 20054 | 78479 | 21521 | 41576 | 10 |
| **42 oo** | 20467 | 78903 | 21097 | 41564 | **58 oo** |
| 10 | 20880 | 79327 | 20673 | 41553 | 90 |
| 20 | 21293 | 79752 | 20248 | 41542 | 80 |
| 30 | 21706 | 80176 | 19824 | 41530 | 70 |
| 40 | 22119 | 80600 | 19400 | 41519 | 60 |
| 50 | 22532 | 81024 | 18976 | 41508 | 50 |
| 60 | 22945 | 81448 | 18552 | 41497 | 40 |
| 70 | 23358 | 81872 | 18128 | 41485 | 30 |
| 80 | 23770 | 82296 | 17704 | 41474 | 20 |
| 90 | 24183 | 82720 | 17280 | 41463 | 10 |
| **43 oo** | 24596 | 83144 | 16856 | 41452 | **57 oo** |
| 10 | 25008 | 83568 | 16432 | 41440 | 90 |
| 20 | 25421 | 83992 | 16008 | 41429 | 80 |
| 30 | 25834 | 84416 | 15584 | 41418 | 70 |
| 40 | 26246 | 84840 | 15160 | 41406 | 60 |
| 50 | 26659 | 85263 | 14737 | 41395 | 50 |
| 60 | 27071 | 85687 | 14313 | 41384 | 40 |
| 70 | 27483 | 86111 | 13889 | 41373 | 30 |
| 80 | 27896 | 86534 | 13466 | 41361 | 20 |
| 90 | 28308 | 86958 | 13042 | 41350 | 10 |
| **44 oo** | 28720 | 87382 | 12618 | 41339 | **56 oo** |
| 10 | 29133 | 87805 | 12195 | 41327 | 90 |
| 20 | 29545 | 88229 | 11771 | 41316 | 80 |
| 30 | 29957 | 88652 | 11348 | 41305 | 70 |
| 40 | 30369 | 89076 | 10924 | 41294 | 60 |
| 50 | 30781 | 89499 | 10501 | 41282 | 50 |
| 60 | 31193 | 89922 | 10078 | 41271 | 40 |
| 70 | 31605 | 90346 | 09654 | 41260 | 30 |
| 80 | 32017 | 90769 | 09231 | 41248 | 20 |
| 90 | 32429 | 91192 | 08808 | 41237 | 10 |
| **45 oo** | 32841 | 91615 | 08385 | 41226 | **55 oo** |
| | **9.21** | **9.21** | **0.78** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 89g |
| | 412 | 423 | 423 | 12 | |

| 10g | 412 | 423 | 423 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.21** | ∗**9.21** | ∗**0.78** | **9.99** | |
| **45 oo** | 32841 | ∗91615 | ∗08385 | 41226 | **55 oo** |
| 10 | 33253 | ∗92038 | ∗07962 | 41215 | 90 |
| 20 | 33665 | ∗92461 | ∗07539 | 41203 | 80 |
| 30 | 34076 | ∗92884 | ∗07116 | 41192 | 70 |
| 40 | 34488 | ∗93307 | ∗06693 | 41181 | 60 |
| 50 | 34900 | ∗93730 | ∗06270 | 41169 | 50 |
| 60 | 35311 | ∗94153 | ∗05847 | 41158 | 40 |
| 70 | 35723 | ∗94576 | ∗05424 | 41147 | 30 |
| 80 | 36134 | ∗94999 | ∗05001 | 41135 | 20 |
| 90 | 36546 | ∗95422 | ∗04578 | 41124 | 10 |
| **46 oo** | 36957 | ∗95845 | ∗04155 | 41113 | **54 oo** |
| 10 | 37369 | ∗96267 | ∗03733 | 41101 | 90 |
| 20 | 37780 | ∗96690 | ∗03310 | 41090 | 80 |
| 30 | 38192 | ∗97113 | ∗02887 | 41079 | 70 |
| 40 | 38603 | ∗97535 | ∗02465 | 41068 | 60 |
| 50 | 39014 | ∗97958 | ∗02042 | 41056 | 50 |
| 60 | 39425 | ∗98381 | ∗01619 | 41045 | 40 |
| 70 | 39837 | ∗98803 | ∗01197 | 41034 | 30 |
| 80 | 40248 | ∗99226 | ∗00774 | 41022 | 20 |
| 90 | 40659 | ∗99648 | ∗00352 | 41011 | 10 |
| **47 oo** | 41070 | 00070 | 99930 | 41000 | **53 oo** |
| 10 | 41481 | 00493 | 99507 | 40988 | 90 |
| 20 | 41892 | 00915 | 99085 | 40977 | 80 |
| 30 | 42303 | 01337 | 98663 | 40966 | 70 |
| 40 | 42714 | 01760 | 98240 | 40954 | 60 |
| 50 | 43125 | 02182 | 97818 | 40943 | 50 |
| 60 | 43536 | 02604 | 97396 | 40932 | 40 |
| 70 | 43946 | 03026 | 96974 | 40920 | 30 |
| 80 | 44357 | 03448 | 96552 | 40909 | 20 |
| 90 | 44768 | 03870 | 96130 | 40898 | 10 |
| **48 oo** | 45179 | 04292 | 95708 | 40886 | **52 oo** |
| 10 | 45589 | 04714 | 95286 | 40875 | 90 |
| 20 | 46000 | 05136 | 94864 | 40864 | 80 |
| 30 | 46410 | 05558 | 94442 | 40852 | 70 |
| 40 | 46821 | 05980 | 94020 | 40841 | 60 |
| 50 | 47231 | 06402 | 93598 | 40830 | 50 |
| 60 | 47642 | 06823 | 93177 | 40818 | 40 |
| 70 | 48052 | 07245 | 92755 | 40807 | 30 |
| 80 | 48462 | 07667 | 92333 | 40796 | 20 |
| 90 | 48873 | 08089 | 91911 | 40784 | 10 |
| **49 oo** | 49283 | 08510 | 91490 | 40773 | **51 oo** |
| 10 | 49693 | 08932 | 91068 | 40762 | 90 |
| 20 | 50103 | 09353 | 90647 | 40750 | 80 |
| 30 | 50514 | 09775 | 90225 | 40739 | 70 |
| 40 | 50924 | 10196 | 89804 | 40728 | 60 |
| 50 | 51334 | 10618 | 89382 | 40716 | 50 |
| 60 | 51744 | 11039 | 88961 | 40705 | 40 |
| 70 | 52154 | 11460 | 88540 | 40694 | 30 |
| 80 | 52564 | 11882 | 88118 | 40682 | 20 |
| 90 | 52974 | 12303 | 87697 | 40671 | 10 |
| **50 oo** | 53384 | 12724 | 87276 | 40659 | **50 oo** |
| | **9.21** | **9.22** | **0.77** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 89g |
| | 410 | 421 | 421 | 12 | |

| | 425 | 424 | 423 | 422 | 421 | 414 | 413 | 412 | 411 | 410 | 12 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 42,5 | 42,4 | 42,3 | 42,2 | 42,1 | 41,4 | 41,3 | 41,2 | 41,1 | 41,0 | 1,2 | 1,1 | 1 |
| 2 | 85,0 | 84,8 | 84,6 | 84,4 | 84,2 | 82,8 | 82,6 | 82,4 | 82,2 | 82,0 | 2,4 | 2,2 | 2 |
| 3 | 127,5 | 127,2 | 126,9 | 126,6 | 126,3 | 124,2 | 123,9 | 123,6 | 123,3 | 123,0 | 3,6 | 3,3 | 3 |
| 4 | 170,0 | 169,6 | 169,2 | 168,8 | 168,4 | 165,6 | 165,2 | 164,8 | 164,4 | 164,0 | 4,8 | 4,4 | 4 |
| 5 | 212,5 | 212,0 | 211,5 | 211,0 | 210,5 | 207,0 | 206,5 | 206,0 | 205,5 | 205,0 | 6,0 | 5,5 | 5 |
| 6 | 255,0 | 254,4 | 253,8 | 253,2 | 252,6 | 248,4 | 247,8 | 247,2 | 246,6 | 246,0 | 7,2 | 6,6 | 6 |
| 7 | 297,5 | 296,8 | 296,1 | 295,4 | 294,7 | 289,8 | 289,1 | 288,4 | 287,7 | 287,0 | 8,4 | 7,7 | 7 |
| 8 | 340,0 | 339,2 | 338,4 | 337,6 | 336,8 | 331,2 | 330,4 | 329,6 | 328,8 | 328,0 | 9,6 | 8,8 | 8 |
| 9 | 382,5 | 381,6 | 380,7 | 379,8 | 378,9 | 372,6 | 371,7 | 370,8 | 369,9 | 369,0 | 10,8 | 9,9 | 9 |

| $10^g$ | 410 | 422 | 422 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.21** | **9.22** | **0.77** | **9.99** | |
| **50 oo** | 53384 | 12724 | 87276 | 40659 | **50 oo** |
| 10 | 53793 | 13145 | 86855 | 40648 | 90 |
| 20 | 54203 | 13567 | 86433 | 40637 | 80 |
| 30 | 54613 | 13988 | 86012 | 40625 | 70 |
| 40 | 55023 | 14409 | 85591 | 40614 | 60 |
| 50 | 55432 | 14830 | 85170 | 40603 | 50 |
| 60 | 55842 | 15251 | 84749 | 40591 | 40 |
| 70 | 56252 | 15672 | 84328 | 40580 | 30 |
| 80 | 56661 | 16093 | 83907 | 40569 | 20 |
| 90 | 57071 | 16514 | 83486 | 40557 | 10 |
| **51 oo** | 57480 | 16934 | 83066 | 40546 | **49 oo** |
| 10 | 57890 | 17355 | 82645 | 40534 | 90 |
| 20 | 58299 | 17776 | 82224 | 40523 | 80 |
| 30 | 58708 | 18197 | 81803 | 40512 | 70 |
| 40 | 59118 | 18617 | 81383 | 40500 | 60 |
| 50 | 59527 | 19038 | 80962 | 40489 | 50 |
| 60 | 59936 | 19459 | 80541 | 40478 | 40 |
| 70 | 60345 | 19879 | 80121 | 40466 | 30 |
| 80 | 60755 | 20300 | 79700 | 40455 | 20 |
| 90 | 61164 | 20720 | 79280 | 40444 | 10 |
| **52 oo** | 61573 | 21141 | 78859 | 40432 | **48 oo** |
| 10 | 61982 | 21561 | 78439 | 40421 | 90 |
| 20 | 62391 | 21981 | 78019 | 40409 | 80 |
| 30 | 62800 | 22402 | 77598 | 40398 | 70 |
| 40 | 63209 | 22822 | 77178 | 40387 | 60 |
| 50 | 63618 | 23242 | 76758 | 40375 | 50 |
| 60 | 64026 | 23663 | 76337 | 40364 | 40 |
| 70 | 64435 | 24083 | 75917 | 40352 | 30 |
| 80 | 64844 | 24503 | 75497 | 40341 | 20 |
| 90 | 65253 | 24923 | 75077 | 40330 | 10 |
| **53 oo** | 65661 | 25343 | 74657 | 40318 | **47 oo** |
| 10 | 66070 | 25763 | 74237 | 40307 | 90 |
| 20 | 66479 | 26183 | 73817 | 40296 | 80 |
| 30 | 66887 | 26603 | 73397 | 40284 | 70 |
| 40 | 67296 | 27023 | 72977 | 40273 | 60 |
| 50 | 67704 | 27443 | 72557 | 40261 | 50 |
| 60 | 68113 | 27863 | 72137 | 40250 | 40 |
| 70 | 68521 | 28283 | 71717 | 40239 | 30 |
| 80 | 68930 | 28702 | 71298 | 40227 | 20 |
| 90 | 69338 | 29122 | 70878 | 40216 | 10 |
| **54 oo** | 69746 | 29542 | 70458 | 40204 | **46 oo** |
| 10 | 70154 | 29961 | 70039 | 40193 | 90 |
| 20 | 70563 | 30381 | 69619 | 40182 | 80 |
| 30 | 70971 | 30801 | 69199 | 40170 | 70 |
| 40 | 71379 | 31220 | 68780 | 40159 | 60 |
| 50 | 71787 | 31640 | 68360 | 40147 | 50 |
| 60 | 72195 | 32059 | 67941 | 40136 | 40 |
| 70 | 72603 | 32479 | 67521 | 40125 | 30 |
| 80 | 73011 | 32898 | 67102 | 40113 | 20 |
| 90 | 73419 | 33317 | 66683 | 40102 | 10 |
| **55 oo** | 73827 | 33737 | 66263 | 40090 | **45 oo** |
| | **9.21** | **9.22** | **0.77** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 408 | 419 | 419 | 12 | |

| $10^g$ | 408 | 420 | 420 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.21** | **9.22** | **0.77** | **9.99** | |
| **55 oo** | 73827 | 33737 | 66263 | 40090 | **45 oo** |
| 10 | 74235 | 34156 | 65844 | 40079 | 90 |
| 20 | 74643 | 34575 | 65425 | 40068 | 80 |
| 30 | 75050 | 34994 | 65006 | 40056 | 70 |
| 40 | 75458 | 35413 | 64587 | 40045 | 60 |
| 50 | 75866 | 35833 | 64167 | 40033 | 50 |
| 60 | 76273 | 36252 | 63748 | 40022 | 40 |
| 70 | 76681 | 36671 | 63329 | 40010 | 30 |
| 80 | 77089 | 37090 | 62910 | 39999 | 20 |
| 90 | 77496 | 37509 | 62491 | 39988 | 10 |
| **56 oo** | 77904 | 37928 | 62072 | 39976 | **44 oo** |
| 10 | 78311 | 38346 | 61654 | 39965 | 90 |
| 20 | 78719 | 38765 | 61235 | 39953 | 80 |
| 30 | 79126 | 39184 | 60816 | 39942 | 70 |
| 40 | 79533 | 39603 | 60397 | 39930 | 60 |
| 50 | 79941 | 40022 | 59978 | 39919 | 50 |
| 60 | 80348 | 40440 | 59560 | 39908 | 40 |
| 70 | 80755 | 40859 | 59141 | 39896 | 30 |
| 80 | 81162 | 41278 | 58722 | 39885 | 20 |
| 90 | 81569 | 41696 | 58304 | 39873 | 10 |
| **57 oo** | 81977 | 42115 | 57885 | 39862 | **43 oo** |
| 10 | 82384 | 42533 | 57467 | 39850 | 90 |
| 20 | 82791 | 42952 | 57048 | 39839 | 80 |
| 30 | 83198 | 43370 | 56630 | 39828 | 70 |
| 40 | 83605 | 43788 | 56212 | 39816 | 60 |
| 50 | 84012 | 44207 | 55793 | 39805 | 50 |
| 60 | 84418 | 44625 | 55375 | 39793 | 40 |
| 70 | 84825 | 45043 | 54957 | 39782 | 30 |
| 80 | 85232 | 45462 | 54538 | 39770 | 20 |
| 90 | 85639 | 45880 | 54120 | 39759 | 10 |
| **58 oo** | 86046 | 46298 | 53702 | 39748 | **42 oo** |
| 10 | 86452 | 46716 | 53284 | 39736 | 90 |
| 20 | 86859 | 47134 | 52866 | 39725 | 80 |
| 30 | 87265 | 47552 | 52448 | 39713 | 70 |
| 40 | 87672 | 47970 | 52030 | 39702 | 60 |
| 50 | 88079 | 48388 | 51612 | 39690 | 50 |
| 60 | 88485 | 48806 | 51194 | 39679 | 40 |
| 70 | 88892 | 49224 | 50776 | 39667 | 30 |
| 80 | 89298 | 49642 | 50358 | 39656 | 20 |
| 90 | 89704 | 50060 | 49940 | 39645 | 10 |
| **59 oo** | 90111 | 50478 | 49522 | 39633 | **41 oo** |
| 10 | 90517 | 50895 | 49105 | 39622 | 90 |
| 20 | 90923 | 51313 | 48687 | 39610 | 80 |
| 30 | 91329 | 51731 | 48269 | 39599 | 70 |
| 40 | 91736 | 52148 | 47852 | 39587 | 60 |
| 50 | 92142 | 52566 | 47434 | 39576 | 50 |
| 60 | 92548 | 52983 | 47017 | 39564 | 40 |
| 70 | 92954 | 53401 | 46599 | 39553 | 30 |
| 80 | 93360 | 53818 | 46182 | 39541 | 20 |
| 90 | 93766 | 54236 | 45764 | 39530 | 10 |
| **60 oo** | 94172 | 54653 | 45347 | 39518 | **40 oo** |
| | **9.21** | **9.22** | **0.77** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 406 | 417 | 417 | 12 | |

| | 422 | 421 | 420 | 419 | 418 | 417 | 410 | 409 | 408 | 407 | 406 | 12 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 42,2 | 42,1 | 42,0 | 41,9 | 41,8 | 41,7 | 41,0 | 40,9 | 40,8 | 40,7 | 40,6 | 1,2 | 1,1 | 1 |
| 2 | 84,4 | 84,2 | 84,0 | 83,8 | 83,6 | 83,4 | 82,0 | 81,8 | 81,6 | 81,4 | 81,2 | 2,4 | 2,2 | 2 |
| 3 | 126,6 | 126,3 | 126,0 | 125,7 | 125,4 | 125,1 | 123,0 | 122,7 | 122,4 | 122,1 | 121,8 | 3,6 | 3,3 | 3 |
| 4 | 168,8 | 168,4 | 168,0 | 167,6 | 167,2 | 166,8 | 164,0 | 163,6 | 163,2 | 162,8 | 162,4 | 4,8 | 4,4 | 4 |
| 5 | 211,0 | 210,5 | 210,0 | 209,5 | 209,0 | 208,5 | 205,0 | 204,5 | 204,0 | 203,5 | 203,0 | 6,0 | 5,5 | 5 |
| 6 | 253,2 | 252,6 | 252,0 | 251,4 | 250,8 | 250,2 | 246,0 | 245,4 | 244,8 | 244,2 | 243,6 | 7,2 | 6,6 | 6 |
| 7 | 295,4 | 294,7 | 294,0 | 293,3 | 292,6 | 291,9 | 287,0 | 286,3 | 285,6 | 284,9 | 284,2 | 8,4 | 7,7 | 7 |
| 8 | 337,6 | 336,8 | 336,0 | 335,2 | 334,4 | 333,6 | 328,0 | 327,2 | 326,4 | 325,6 | 324,8 | 9,6 | 8,8 | 8 |
| 9 | 379,8 | 378,9 | 378,0 | 377,1 | 376,2 | 375,3 | 369,0 | 368,1 | 367,2 | 366,3 | 365,4 | 10,8 | 9,9 | 9 |

| $10^g$ | 406 | 418 | 418 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.21 | 9.22 | 0.77 | 9.99 | |
| **60 oo** | *94172 | 54653 | 45347 | 39518 | **40 oo** |
| 10 | *94578 | 55071 | 44929 | 39507 | 90 |
| 20 | *94984 | 55488 | 44512 | 39496 | 80 |
| 30 | *95389 | 55905 | 44095 | 39484 | 70 |
| 40 | *95795 | 56323 | 43677 | 39473 | 60 |
| 50 | *96201 | 56740 | 43260 | 39461 | 50 |
| 60 | *96607 | 57157 | 42843 | 39450 | 40 |
| 70 | *97012 | 57574 | 42426 | 39438 | 30 |
| 80 | *97418 | 57991 | 42009 | 39427 | 20 |
| 90 | *97823 | 58408 | 41592 | 39415 | 10 |
| **61 oo** | *98229 | 58825 | 41175 | 39404 | **39 oo** |
| 10 | *98634 | 59242 | 40758 | 39392 | 90 |
| 20 | *99040 | 59659 | 40341 | 39381 | 80 |
| 30 | *99445 | 60076 | 39924 | 39369 | 70 |
| 40 | *99851 | 60493 | 39507 | 39358 | 60 |
| 50 | 00256 | 60910 | 39090 | 39346 | 50 |
| 60 | 00661 | 61327 | 38673 | 39335 | 40 |
| 70 | 01067 | 61743 | 38257 | 39323 | 30 |
| 80 | 01472 | 62160 | 37840 | 39312 | 20 |
| 90 | 01877 | 62577 | 37423 | 39300 | 10 |
| **62 oo** | 02282 | 62993 | 37007 | 39289 | **38 oo** |
| 10 | 02687 | 63410 | 36590 | 39277 | 90 |
| 20 | 03093 | 63827 | 36173 | 39266 | 80 |
| 30 | 03498 | 64243 | 35757 | 39254 | 70 |
| 40 | 03903 | 64660 | 35340 | 39243 | 60 |
| 50 | 04308 | 65076 | 34924 | 39232 | 50 |
| 60 | 04712 | 65492 | 34508 | 39220 | 40 |
| 70 | 05117 | 65909 | 34091 | 39209 | 30 |
| 80 | 05522 | 66325 | 33675 | 39197 | 20 |
| 90 | 05927 | 66741 | 33259 | 39186 | 10 |
| **63 oo** | 06332 | 67158 | 32842 | 39174 | **37 oo** |
| 10 | 06737 | 67574 | 32426 | 39163 | 90 |
| 20 | 07141 | 67990 | 32010 | 39151 | 80 |
| 30 | 07546 | 68406 | 31594 | 39140 | 70 |
| 40 | 07950 | 68822 | 31178 | 39128 | 60 |
| 50 | 08355 | 69239 | 30761 | 39117 | 50 |
| 60 | 08760 | 69655 | 30345 | 39105 | 40 |
| 70 | 09164 | 70071 | 29929 | 39094 | 30 |
| 80 | 09569 | 70487 | 29513 | 39082 | 20 |
| 90 | 09973 | 70902 | 29098 | 39071 | 10 |
| **64 oo** | 10377 | 71318 | 28682 | 39059 | **36 oo** |
| 10 | 10782 | 71734 | 28266 | 39047 | 90 |
| 20 | 11186 | 72150 | 27850 | 39036 | 80 |
| 30 | 11590 | 72566 | 27434 | 39024 | 70 |
| 40 | 11995 | 72982 | 27018 | 39013 | 60 |
| 50 | 12399 | 73397 | 26603 | 39001 | 50 |
| 60 | 12803 | 73813 | 26187 | 38990 | 40 |
| 70 | 13207 | 74229 | 25771 | 38978 | 30 |
| 80 | 13611 | 74644 | 25356 | 38967 | 20 |
| 90 | 14015 | 75060 | 24940 | 38955 | 10 |
| **65 oo** | 14419 | 75475 | 24525 | 38944 | **35 oo** |
| | **9.22** | **9.22** | **0.77** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 404 | 415 | 415 | 12 | |

| $10^g$ | 404 | 416 | 416 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 9.22 | 9.22 | 0.77 | 9.99 | |
| **65 oo** | 14419 | 75475 | 24525 | 38944 | **35 oo** |
| 10 | 14823 | 75891 | 24109 | 38932 | 90 |
| 20 | 15227 | 76306 | 23694 | 38921 | 80 |
| 30 | 15631 | 76722 | 23278 | 38909 | 70 |
| 40 | 16035 | 77137 | 22863 | 38898 | 60 |
| 50 | 16438 | 77552 | 22448 | 38886 | 50 |
| 60 | 16842 | 77968 | 22032 | 38875 | 40 |
| 70 | 17246 | 78383 | 21617 | 38863 | 30 |
| 80 | 17650 | 78798 | 21202 | 38852 | 20 |
| 90 | 18053 | 79213 | 20787 | 38840 | 10 |
| **66 oo** | 18457 | 79628 | 20372 | 38829 | **34 oo** |
| 10 | 18860 | 80043 | 19957 | 38817 | 90 |
| 20 | 19264 | 80458 | 19542 | 38806 | 80 |
| 30 | 19668 | 80874 | 19126 | 38794 | 70 |
| 40 | 20071 | 81288 | 18712 | 38782 | 60 |
| 50 | 20474 | 81703 | 18297 | 38771 | 50 |
| 60 | 20878 | 82118 | 17882 | 38759 | 40 |
| 70 | 21281 | 82533 | 17467 | 38748 | 30 |
| 80 | 21684 | 82948 | 17052 | 38736 | 20 |
| 90 | 22088 | 83363 | 16637 | 38725 | 10 |
| **67 oo** | 22491 | 83778 | 16222 | 38713 | **33 oo** |
| 10 | 22894 | 84192 | 15808 | 38702 | 90 |
| 20 | 23297 | 84607 | 15393 | 38690 | 80 |
| 30 | 23700 | 85022 | 14978 | 38679 | 70 |
| 40 | 24103 | 85436 | 14564 | 38667 | 60 |
| 50 | 24506 | 85851 | 14149 | 38656 | 50 |
| 60 | 24909 | 86265 | 13735 | 38644 | 40 |
| 70 | 25312 | 86680 | 13320 | 38632 | 30 |
| 80 | 25715 | 87094 | 12906 | 38621 | 20 |
| 90 | 26118 | 87509 | 12491 | 38609 | 10 |
| **68 oo** | 26521 | 87923 | 12077 | 38598 | **32 oo** |
| 10 | 26924 | 88338 | 11662 | 38586 | 90 |
| 20 | 27327 | 88752 | 11248 | 38575 | 80 |
| 30 | 27729 | 89166 | 10834 | 38563 | 70 |
| 40 | 28132 | 89580 | 10420 | 38552 | 60 |
| 50 | 28535 | 89995 | 10005 | 38540 | 50 |
| 60 | 28937 | 90409 | 09591 | 38528 | 40 |
| 70 | 29340 | 90823 | 09177 | 38517 | 30 |
| 80 | 29742 | 91237 | 08763 | 38505 | 20 |
| 90 | 30145 | 91651 | 08349 | 38494 | 10 |
| **69 oo** | 30547 | 92065 | 07935 | 38482 | **31 oo** |
| 10 | 30950 | 92479 | 07521 | 38471 | 90 |
| 20 | 31352 | 92893 | 07107 | 38459 | 80 |
| 30 | 31754 | 93307 | 06693 | 38447 | 70 |
| 40 | 32157 | 93721 | 06279 | 38436 | 60 |
| 50 | 32559 | 94135 | 05865 | 38424 | 50 |
| 60 | 32961 | 94548 | 05452 | 38413 | 40 |
| 70 | 33363 | 94962 | 05038 | 38401 | 30 |
| 80 | 33766 | 95376 | 04624 | 38390 | 20 |
| 90 | 34168 | 95790 | 04210 | 38378 | 10 |
| **70 oo** | 34570 | 96203 | 03797 | 38366 | **30 oo** |
| | **9.22** | **9.22** | **0.77** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 402 | 413 | 413 | 12 | |

| | 418 | 417 | 416 | 415 | 414 | 413 | 406 | 405 | 404 | 403 | 402 | 12 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 41,8 | 41,7 | 41,6 | 41,5 | 41,4 | 41,3 | 40,6 | 40,5 | 40,4 | 40,3 | 40,2 | 1,2 | 1,1 | 1 |
| 2 | 83,6 | 83,4 | 83,2 | 83,0 | 82,8 | 82,6 | 81,2 | 81,0 | 80,8 | 80,6 | 80,4 | 2,4 | 2,2 | 2 |
| 3 | 125,4 | 125,1 | 124,8 | 124,5 | 124,2 | 123,9 | 121,8 | 121,5 | 121,2 | 120,9 | 120,6 | 3,6 | 3,3 | 3 |
| 4 | 167,2 | 166,8 | 166,4 | 166,0 | 165,6 | 165,2 | 162,4 | 162,0 | 161,6 | 161,2 | 160,8 | 4,8 | 4,4 | 4 |
| 5 | 209,0 | 208,5 | 208,0 | 207,5 | 207,0 | 206,5 | 203,0 | 202,5 | 202,0 | 201,5 | 201,0 | 6,0 | 5,5 | 5 |
| 6 | 250,8 | 250,2 | 249,6 | 249,0 | 248,4 | 247,8 | 243,6 | 243,0 | 242,4 | 241,8 | 241,2 | 7,2 | 6,6 | 6 |
| 7 | 292,6 | 291,9 | 291,2 | 290,5 | 289,8 | 289,1 | 284,2 | 283,5 | 282,8 | 282,1 | 281,4 | 8,4 | 7,7 | 7 |
| 8 | 334,4 | 333,6 | 332,8 | 332,0 | 331,2 | 330,4 | 324,8 | 324,0 | 323,2 | 322,4 | 321,6 | 9,6 | 8,8 | 8 |
| 9 | 376,2 | 375,3 | 374,4 | 373,5 | 372,6 | 371,7 | 365,4 | 364,5 | 363,6 | 362,7 | 361,8 | 10,8 | 9,9 | 9 |

| $10^g$ | 402 | 414 | 414 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.22** | ***9.22** | ***0.77** | **9.99** | |
| **70 oo** | 34570 | *96203 | *03797 | 38366 | **30 oo** |
| 10 | 34972 | *96617 | *03383 | 38355 | 90 |
| 20 | 35374 | *97030 | *02970 | 38343 | 80 |
| 30 | 35776 | *97444 | *02556 | 38332 | 70 |
| 40 | 36178 | *97857 | *02143 | 38320 | 60 |
| 50 | 36580 | *98271 | *01729 | 38309 | 50 |
| 60 | 36981 | *98684 | *01316 | 38297 | 40 |
| 70 | 37383 | *99098 | *00902 | 38285 | 30 |
| 80 | 37785 | *99511 | *00489 | 38274 | 20 |
| 90 | 38187 | *99924 | *00076 | 38262 | 10 |
| **71 oo** | 38588 | 00338 | 99662 | 38251 | **29 oo** |
| 10 | 38990 | 00751 | 99249 | 38239 | 90 |
| 20 | 39392 | 01164 | 98836 | 38227 | 80 |
| 30 | 39793 | 01577 | 98423 | 38216 | 70 |
| 40 | 40195 | 01990 | 98010 | 38204 | 60 |
| 50 | 40596 | 02404 | 97596 | 38193 | 50 |
| 60 | 40998 | 02817 | 97183 | 38181 | 40 |
| 70 | 41399 | 03230 | 96770 | 38170 | 30 |
| 80 | 41801 | 03643 | 96357 | 38158 | 20 |
| 90 | 42202 | 04056 | 95944 | 38146 | 10 |
| **72 oo** | 42603 | 04468 | 95532 | 38135 | **28 oo** |
| 10 | 43004 | 04881 | 95119 | 38123 | 90 |
| 20 | 43406 | 05294 | 94706 | 38112 | 80 |
| 30 | 43807 | 05707 | 94293 | 38100 | 70 |
| 40 | 44208 | 06120 | 93880 | 38088 | 60 |
| 50 | 44609 | 06532 | 93468 | 38077 | 50 |
| 60 | 45010 | 06945 | 93055 | 38065 | 40 |
| 70 | 45411 | 07358 | 92642 | 38054 | 30 |
| 80 | 45812 | 07770 | 92230 | 38042 | 20 |
| 90 | 46213 | 08183 | 91817 | 38030 | 10 |
| **73 oo** | 46614 | 08595 | 91405 | 38019 | **27 oo** |
| 10 | 47015 | 09008 | 90992 | 38007 | 90 |
| 20 | 47416 | 09420 | 90580 | 37996 | 80 |
| 30 | 47817 | 09833 | 90167 | 37984 | 70 |
| 40 | 48217 | 10245 | 89755 | 37972 | 60 |
| 50 | 48618 | 10658 | 89342 | 37961 | 50 |
| 60 | 49019 | 11070 | 88930 | 37949 | 40 |
| 70 | 49420 | 11482 | 88518 | 37937 | 30 |
| 80 | 49820 | 11894 | 88106 | 37926 | 20 |
| 90 | 50221 | 12307 | 87693 | 37914 | 10 |
| **74 oo** | 50621 | 12719 | 87281 | 37903 | **26 oo** |
| 10 | 51022 | 13131 | 86869 | 37891 | 90 |
| 20 | 51422 | 13543 | 86457 | 37879 | 80 |
| 30 | 51823 | 13955 | 86045 | 37868 | 70 |
| 40 | 52223 | 14367 | 85633 | 37856 | 60 |
| 50 | 52623 | 14779 | 85221 | 37844 | 50 |
| 60 | 53024 | 15191 | 84809 | 37833 | 40 |
| 70 | 53424 | 15603 | 84397 | 37821 | 30 |
| 80 | 53824 | 16015 | 83985 | 37810 | 20 |
| 90 | 54225 | 16427 | 83573 | 37798 | 10 |
| **75 oo** | 54625 | 16838 | 83162 | 37786 | **25 oo** |
| | **9.22** | **9.23** | **0.76** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 400 | 411 | 411 | 12 | |

| $10^g$ | 400 | 412 | 412 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.22** | **9.23** | **0.76** | **9.99** | |
| **75 oo** | 54625 | 16838 | 83162 | 37786 | **25 oo** |
| 10 | 55025 | 17250 | 82750 | 37775 | 90 |
| 20 | 55425 | 17662 | 82338 | 37763 | 80 |
| 30 | 55825 | 18074 | 81926 | 37751 | 70 |
| 40 | 56225 | 18485 | 81515 | 37740 | 60 |
| 50 | 56625 | 18897 | 81103 | 37728 | 50 |
| 60 | 57025 | 19308 | 80692 | 37717 | 40 |
| 70 | 57425 | 19720 | 80280 | 37705 | 30 |
| 80 | 57825 | 20131 | 79869 | 37693 | 20 |
| 90 | 58225 | 20543 | 79457 | 37682 | 10 |
| **76 oo** | 58624 | 20954 | 79046 | 37670 | **24 oo** |
| 10 | 59024 | 21366 | 78634 | 37658 | 90 |
| 20 | 59424 | 21777 | 78223 | 37647 | 80 |
| 30 | 59823 | 22188 | 77812 | 37635 | 70 |
| 40 | 60223 | 22600 | 77400 | 37623 | 60 |
| 50 | 60623 | 23011 | 76989 | 37612 | 50 |
| 60 | 61022 | 23422 | 76578 | 37600 | 40 |
| 70 | 61422 | 23833 | 76167 | 37588 | 30 |
| 80 | 61821 | 24244 | 75756 | 37577 | 20 |
| 90 | 62221 | 24656 | 75344 | 37565 | 10 |
| **77 oo** | 62620 | 25067 | 74933 | 37554 | **23 oo** |
| 10 | 63019 | 25478 | 74522 | 37542 | 90 |
| 20 | 63419 | 25889 | 74111 | 37530 | 80 |
| 30 | 63818 | 26300 | 73700 | 37519 | 70 |
| 40 | 64217 | 26710 | 73290 | 37507 | 60 |
| 50 | 64617 | 27121 | 72879 | 37495 | 50 |
| 60 | 65016 | 27532 | 72468 | 37484 | 40 |
| 70 | 65415 | 27943 | 72057 | 37472 | 30 |
| 80 | 65814 | 28354 | 71646 | 37460 | 20 |
| 90 | 66213 | 28764 | 71236 | 37449 | 10 |
| **78 oo** | 66612 | 29175 | 70825 | 37437 | **22 oo** |
| 10 | 67011 | 29586 | 70414 | 37425 | 90 |
| 20 | 67410 | 29996 | 70004 | 37414 | 80 |
| 30 | 67809 | 30407 | 69593 | 37402 | 70 |
| 40 | 68208 | 30818 | 69182 | 37390 | 60 |
| 50 | 68607 | 31228 | 68772 | 37379 | 50 |
| 60 | 69005 | 31639 | 68361 | 37367 | 40 |
| 70 | 69404 | 32049 | 67951 | 37355 | 30 |
| 80 | 69803 | 32459 | 67541 | 37344 | 20 |
| 90 | 70202 | 32870 | 67130 | 37332 | 10 |
| **79 oo** | 70600 | 33280 | 66720 | 37320 | **21 oo** |
| 10 | 70999 | 33690 | 66310 | 37309 | 90 |
| 20 | 71398 | 34101 | 65899 | 37297 | 80 |
| 30 | 71796 | 34511 | 65489 | 37285 | 70 |
| 40 | 72195 | 34921 | 65079 | 37274 | 60 |
| 50 | 72593 | 35331 | 64669 | 37262 | 50 |
| 60 | 72991 | 35741 | 64259 | 37250 | 40 |
| 70 | 73390 | 36151 | 63849 | 37238 | 30 |
| 80 | 73788 | 36561 | 63439 | 37227 | 20 |
| 90 | 74187 | 36971 | 63029 | 37215 | 10 |
| **80 oo** | 74585 | 37381 | 62619 | 37203 | **20 oo** |
| | **9.22** | **9.23** | **0.76** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 398 | 410 | 410 | 12 | |

| | 414 | 413 | 412 | 411 | 410 | 402 | 401 | 400 | 399 | 398 | 12 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 41,4 | 41,3 | 41,2 | 41,1 | 41,0 | 40,2 | 40,1 | 40,0 | 39,9 | 39,8 | 1,2 | 1,1 | 1 |
| 2 | 82,8 | 82,6 | 82,4 | 82,2 | 82,0 | 80,4 | 80,2 | 80,0 | 79,8 | 79,6 | 2,4 | 2,2 | 2 |
| 3 | 124,2 | 123,9 | 123,6 | 123,3 | 123,0 | 120,6 | 120,3 | 120,0 | 119,7 | 119,4 | 3,6 | 3,3 | 3 |
| 4 | 165,6 | 165,2 | 164,8 | 164,4 | 164,0 | 160,8 | 160,4 | 160,0 | 159,6 | 159,2 | 4,8 | 4,4 | 4 |
| 5 | 207,0 | 206,5 | 206,0 | 205,5 | 205,0 | 201,0 | 200,5 | 200,0 | 199,5 | 199,0 | 6,0 | 5,5 | 5 |
| 6 | 248,4 | 247,8 | 247,2 | 246,6 | 246,0 | 241,2 | 240,6 | 240,0 | 239,4 | 238,8 | 7,2 | 6,6 | 6 |
| 7 | 289,8 | 289,1 | 288,4 | 287,7 | 287,0 | 281,4 | 280,7 | 280,0 | 279,3 | 278,6 | 8,4 | 7,7 | 7 |
| 8 | 331,2 | 330,4 | 329,6 | 328,8 | 328,0 | 321,6 | 320,8 | 320,0 | 319,2 | 318,4 | 9,6 | 8,8 | 8 |
| 9 | 372,6 | 371,7 | 370,8 | 369,9 | 369,0 | 361,8 | 360,9 | 360,0 | 359,1 | 358,2 | 10,8 | 9,9 | 9 |

| $10^g$ | 399 | 410 | 410 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.22** | **9.23** | **0.76** | **9.99** | |
| **80 oo** | 74585 | 37381 | 62619 | 37203 | **20 oo** |
| 10 | 74983 | 37791 | 62209 | 37192 | 90 |
| 20 | 75381 | 38201 | 61799 | 37180 | 80 |
| 30 | 75779 | 38611 | 61389 | 37168 | 70 |
| 40 | 76178 | 39021 | 60979 | 37157 | 60 |
| 50 | 76576 | 39431 | 60569 | 37145 | 50 |
| 60 | 76974 | 39840 | 60160 | 37133 | 40 |
| 70 | 77372 | 40250 | 59750 | 37122 | 30 |
| 80 | 77770 | 40660 | 59340 | 37110 | 20 |
| 90 | 78168 | 41069 | 58931 | 37098 | 10 |
| **81 oo** | 78566 | 41479 | 58521 | 37087 | **19 oo** |
| 10 | 78963 | 41889 | 58111 | 37075 | 90 |
| 20 | 79361 | 42298 | 57702 | 37063 | 80 |
| 30 | 79759 | 42708 | 57292 | 37051 | 70 |
| 40 | 80157 | 43117 | 56883 | 37040 | 60 |
| 50 | 80554 | 43526 | 56474 | 37028 | 50 |
| 60 | 80952 | 43936 | 56064 | 37016 | 40 |
| 70 | 81350 | 44345 | 55655 | 37005 | 30 |
| 80 | 81747 | 44754 | 55246 | 36993 | 20 |
| 90 | 82145 | 45164 | 54836 | 36981 | 10 |
| **82 oo** | 82542 | 45573 | 54427 | 36970 | **18 oo** |
| 10 | 82940 | 45982 | 54018 | 36958 | 90 |
| 20 | 83337 | 46391 | 53609 | 36946 | 80 |
| 30 | 83735 | 46800 | 53200 | 36934 | 70 |
| 40 | 84132 | 47210 | 52790 | 36923 | 60 |
| 50 | 84530 | 47619 | 52381 | 36911 | 50 |
| 60 | 84927 | 48028 | 51972 | 36899 | 40 |
| 70 | 85324 | 48437 | 51563 | 36888 | 30 |
| 80 | 85721 | 48846 | 51154 | 36876 | 20 |
| 90 | 86119 | 49254 | 50746 | 36864 | 10 |
| **83 oo** | 86516 | 49663 | 50337 | 36852 | **17 oo** |
| 10 | 86913 | 50072 | 49928 | 36841 | 90 |
| 20 | 87310 | 50481 | 49519 | 36829 | 80 |
| 30 | 87707 | 50890 | 49110 | 36817 | 70 |
| 40 | 88104 | 51298 | 48702 | 36806 | 60 |
| 50 | 88501 | 51707 | 48293 | 36794 | 50 |
| 60 | 88898 | 52116 | 47884 | 36782 | 40 |
| 70 | 89295 | 52524 | 47476 | 36770 | 30 |
| 80 | 89692 | 52933 | 47067 | 36759 | 20 |
| 90 | 90088 | 53342 | 46658 | 36747 | 10 |
| **84 oo** | 90485 | 53750 | 46250 | 36735 | **16 oo** |
| 10 | 90882 | 54159 | 45841 | 36723 | 90 |
| 20 | 91279 | 54567 | 45433 | 36712 | 80 |
| 30 | 91675 | 54975 | 45025 | 36700 | 70 |
| 40 | 92072 | 55384 | 44616 | 36688 | 60 |
| 50 | 92469 | 55792 | 44208 | 36676 | 50 |
| 60 | 92865 | 56200 | 43800 | 36665 | 40 |
| 70 | 93262 | 56609 | 43391 | 36653 | 30 |
| 80 | 93658 | 57017 | 42983 | 36641 | 20 |
| 90 | 94055 | 57425 | 42575 | 36630 | 10 |
| **85 oo** | 94451 | 57833 | 42167 | 36618 | **15 oo** |
| | **9.22** | **9.23** | **0.76** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 396 | 408 | 408 | 12 | |

| $10^g$ | 397 | 408 | 408 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.22** | **9.23** | **0.76** | **9.99** | |
| **85 oo** | ∗94451 | 57833 | 42167 | 36618 | **15 oo** |
| 10 | ∗94847 | 58241 | 41759 | 36606 | 90 |
| 20 | ∗95244 | 58649 | 41351 | 36594 | 80 |
| 30 | ∗95640 | 59057 | 40943 | 36583 | 70 |
| 40 | ∗96036 | 59465 | 40535 | 36571 | 60 |
| 50 | ∗96432 | 59873 | 40127 | 36559 | 50 |
| 60 | ∗96829 | 60281 | 39719 | 36547 | 40 |
| 70 | ∗97225 | 60689 | 39311 | 36536 | 30 |
| 80 | ∗97621 | 61097 | 38903 | 36524 | 20 |
| 90 | ∗98017 | 61505 | 38495 | 36512 | 10 |
| **86 oo** | ∗98413 | 61913 | 38087 | 36500 | **14 oo** |
| 10 | ∗98809 | 62320 | 37680 | 36489 | 90 |
| 20 | ∗99205 | 62728 | 37272 | 36477 | 80 |
| 30 | ∗99601 | 63136 | 36864 | 36465 | 70 |
| 40 | ∗99997 | 63543 | 36457 | 36453 | 60 |
| 50 | 00393 | 63951 | 36049 | 36442 | 50 |
| 60 | 00788 | 64359 | 35641 | 36430 | 40 |
| 70 | 01184 | 64766 | 35234 | 36418 | 30 |
| 80 | 01580 | 65174 | 34826 | 36406 | 20 |
| 90 | 01976 | 65581 | 34419 | 36395 | 10 |
| **87 oo** | 02371 | 65988 | 34012 | 36383 | **13 oo** |
| 10 | 02767 | 66396 | 33604 | 36371 | 90 |
| 20 | 03162 | 66803 | 33197 | 36359 | 80 |
| 30 | 03558 | 67211 | 32789 | 36347 | 70 |
| 40 | 03954 | 67618 | 32382 | 36336 | 60 |
| 50 | 04349 | 68025 | 31975 | 36324 | 50 |
| 60 | 04744 | 68432 | 31568 | 36312 | 40 |
| 70 | 05140 | 68839 | 31161 | 36300 | 30 |
| 80 | 05535 | 69247 | 30753 | 36289 | 20 |
| 90 | 05931 | 69654 | 30346 | 36277 | 10 |
| **88 oo** | 06326 | 70061 | 29939 | 36265 | **12 oo** |
| 10 | 06721 | 70468 | 29532 | 36253 | 90 |
| 20 | 07116 | 70875 | 29125 | 36242 | 80 |
| 30 | 07512 | 71282 | 28718 | 36230 | 70 |
| 40 | 07907 | 71689 | 28311 | 36218 | 60 |
| 50 | 08302 | 72096 | 27904 | 36206 | 50 |
| 60 | 08697 | 72502 | 27498 | 36194 | 40 |
| 70 | 09092 | 72909 | 27091 | 36183 | 30 |
| 80 | 09487 | 73316 | 26684 | 36171 | 20 |
| 90 | 09882 | 73723 | 26277 | 36159 | 10 |
| **89 oo** | 10277 | 74129 | 25871 | 36147 | **11 oo** |
| 10 | 10672 | 74536 | 25464 | 36136 | 90 |
| 20 | 11066 | 74943 | 25057 | 36124 | 80 |
| 30 | 11461 | 75349 | 24651 | 36112 | 70 |
| 40 | 11856 | 75756 | 24244 | 36100 | 60 |
| 50 | 12251 | 76162 | 23838 | 36088 | 50 |
| 60 | 12646 | 76569 | 23431 | 36077 | 40 |
| 70 | 13040 | 76975 | 23025 | 36065 | 30 |
| 80 | 13435 | 77382 | 22618 | 36053 | 20 |
| 90 | 13829 | 77788 | 22212 | 36041 | 10 |
| **90 oo** | 14224 | 78195 | 21805 | 36029 | **10 oo** |
| | **9.23** | **9.23** | **0.76** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 394 | 406 | 406 | 12 | |

| | 410 | 409 | 408 | 407 | 406 | 399 | 398 | 397 | 396 | 395 | 394 | 12 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 41,0 | 40,9 | 40,8 | 40,7 | 40,6 | 39,9 | 39,8 | 39,7 | 39,6 | 39,5 | 39,4 | 1,2 | 1,1 | 1 |
| 2 | 82,0 | 81,8 | 81,6 | 81,4 | 81,2 | 79,8 | 79,6 | 79,4 | 79,2 | 79,0 | 78,8 | 2,4 | 2,2 | 2 |
| 3 | 123,0 | 122,7 | 122,4 | 122,1 | 121,8 | 119,7 | 119,4 | 119,1 | 118,8 | 118,5 | 118,2 | 3,6 | 3,3 | 3 |
| 4 | 164,0 | 163,6 | 163,2 | 162,8 | 162,4 | 159,6 | 159,2 | 158,8 | 158,4 | 158,0 | 157,6 | 4,8 | 4,4 | 4 |
| 5 | 205,0 | 204,5 | 204,0 | 203,5 | 203,0 | 199,5 | 199,0 | 198,5 | 198,0 | 197,5 | 197,0 | 6,0 | 5,5 | 5 |
| 6 | 246,0 | 245,4 | 244,8 | 244,2 | 243,6 | 239,4 | 238,8 | 238,2 | 237,6 | 237,0 | 236,4 | 7,2 | 6,6 | 6 |
| 7 | 287,0 | 286,3 | 285,6 | 284,9 | 284,2 | 279,3 | 278,6 | 277,9 | 277,2 | 276,5 | 275,8 | 8,4 | 7,7 | 7 |
| 8 | 328,0 | 327,2 | 326,4 | 325,6 | 324,8 | 319,2 | 318,4 | 317,6 | 316,8 | 316,0 | 315,2 | 9,6 | 8,8 | 8 |
| 9 | 369,0 | 368,1 | 367,2 | 366,3 | 365,4 | 359,1 | 358,2 | 357,3 | 356,4 | 355,5 | 354,6 | 10,8 | 9,9 | 9 |

| $10^g$ | 395 | 407 | 407 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.23** | **9.23** | **0.76** | **9.99** | |
| **90 oo** | 14224 | 78195 | 21805 | 36029 | **10 oo** |
| 10 | 14618 | 78601 | 21399 | 36018 | 90 |
| 20 | 15013 | 79007 | 20993 | 36006 | 80 |
| 30 | 15407 | 79413 | 20587 | 35994 | 70 |
| 40 | 15802 | 79820 | 20180 | 35982 | 60 |
| 50 | 16196 | 80226 | 19774 | 35970 | 50 |
| 60 | 16590 | 80632 | 19368 | 35959 | 40 |
| 70 | 16985 | 81038 | 18962 | 35947 | 30 |
| 80 | 17379 | 81444 | 18556 | 35935 | 20 |
| 90 | 17773 | 81850 | 18150 | 35923 | 10 |
| **91 oo** | 18167 | 82256 | 17744 | 35911 | **09 oo** |
| 10 | 18562 | 82662 | 17338 | 35900 | 90 |
| 20 | 18956 | 83068 | 16932 | 35888 | 80 |
| 30 | 19350 | 83474 | 16526 | 35876 | 70 |
| 40 | 19744 | 83880 | 16120 | 35864 | 60 |
| 50 | 20138 | 84285 | 15715 | 35852 | 50 |
| 60 | 20532 | 84691 | 15309 | 35841 | 40 |
| 70 | 20926 | 85097 | 14903 | 35829 | 30 |
| 80 | 21320 | 85503 | 14497 | 35817 | 20 |
| 90 | 21713 | 85908 | 14092 | 35805 | 10 |
| **92 oo** | 22107 | 86314 | 13686 | 35793 | **08 oo** |
| 10 | 22501 | 86720 | 13280 | 35781 | 90 |
| 20 | 22895 | 87125 | 12875 | 35770 | 80 |
| 30 | 23288 | 87531 | 12469 | 35758 | 70 |
| 40 | 23682 | 87936 | 12064 | 35746 | 60 |
| 50 | 24076 | 88342 | 11658 | 35734 | 50 |
| 60 | 24469 | 88747 | 11253 | 35722 | 40 |
| 70 | 24863 | 89152 | 10848 | 35711 | 30 |
| 80 | 25256 | 89558 | 10442 | 35699 | 20 |
| 90 | 25650 | 89963 | 10037 | 35687 | 10 |
| **93 oo** | 26043 | 90368 | 09632 | 35675 | **07 oo** |
| 10 | 26437 | 90774 | 09226 | 35663 | 90 |
| 20 | 26830 | 91179 | 08821 | 35651 | 80 |
| 30 | 27224 | 91584 | 08416 | 35640 | 70 |
| 40 | 27617 | 91989 | 08011 | 35628 | 60 |
| 50 | 28010 | 92394 | 07606 | 35616 | 50 |
| 60 | 28403 | 92799 | 07201 | 35604 | 40 |
| 70 | 28796 | 93204 | 06796 | 35592 | 30 |
| 80 | 29190 | 93609 | 06391 | 35580 | 20 |
| 90 | 29583 | 94014 | 05986 | 35569 | 10 |
| **94 oo** | 29976 | 94419 | 05581 | 35557 | **06 oo** |
| 10 | 30369 | 94824 | 05176 | 35545 | 90 |
| 20 | 30762 | 95229 | 04771 | 35533 | 80 |
| 30 | 31155 | 95634 | 04366 | 35521 | 70 |
| 40 | 31548 | 96038 | 03962 | 35509 | 60 |
| 50 | 31941 | 96443 | 03557 | 35497 | 50 |
| 60 | 32334 | 96848 | 03152 | 35486 | 40 |
| 70 | 32726 | 97253 | 02747 | 35474 | 30 |
| 80 | 33119 | 97657 | 02343 | 35462 | 20 |
| 90 | 33512 | 98062 | 01938 | 35450 | 10 |
| **95 oo** | 33905 | 98466 | 01534 | 35438 | **05 oo** |
| | **9.23** | **9.23** | **0.76** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 392 | 404 | 404 | 12 | |

| $10^g$ | 393 | 405 | 405 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.23** | ***9.23** | ***0.76** | **9.99** | |
| **95 oo** | 33905 | *98466 | *01534 | 35438 | **05 oo** |
| 10 | 34297 | *98871 | *01129 | 35426 | 90 |
| 20 | 34690 | *99275 | *00725 | 35415 | 80 |
| 30 | 35083 | *99680 | *00320 | 35403 | 70 |
| 40 | 35475 | 00084 | 99916 | 35391 | 60 |
| 50 | 35868 | 00489 | 99511 | 35379 | 50 |
| 60 | 36260 | 00893 | 99107 | 35367 | 40 |
| 70 | 36653 | 01297 | 98703 | 35355 | 30 |
| 80 | 37045 | 01702 | 98298 | 35343 | 20 |
| 90 | 37437 | 02106 | 97894 | 35332 | 10 |
| **96 oo** | 37830 | 02510 | 97490 | 35320 | **04 oo** |
| 10 | 38222 | 02914 | 97086 | 35308 | 90 |
| 20 | 38614 | 03318 | 96682 | 35296 | 80 |
| 30 | 39007 | 03723 | 96277 | 35284 | 70 |
| 40 | 39399 | 04127 | 95873 | 35272 | 60 |
| 50 | 39791 | 04531 | 95469 | 35260 | 50 |
| 60 | 40183 | 04935 | 95065 | 35248 | 40 |
| 70 | 40575 | 05339 | 94661 | 35237 | 30 |
| 80 | 40967 | 05743 | 94257 | 35225 | 20 |
| 90 | 41359 | 06146 | 93854 | 35213 | 10 |
| **97 oo** | 41751 | 06550 | 93450 | 35201 | **03 oo** |
| 10 | 42143 | 06954 | 93046 | 35189 | 90 |
| 20 | 42535 | 07358 | 92642 | 35177 | 80 |
| 30 | 42927 | 07762 | 92238 | 35165 | 70 |
| 40 | 43319 | 08165 | 91835 | 35153 | 60 |
| 50 | 43711 | 08569 | 91431 | 35142 | 50 |
| 60 | 44102 | 08973 | 91027 | 35130 | 40 |
| 70 | 44494 | 09376 | 90624 | 35118 | 30 |
| 80 | 44886 | 09780 | 90220 | 35106 | 20 |
| 90 | 45278 | 10183 | 89817 | 35094 | 10 |
| **98 oo** | 45669 | 10587 | 89413 | 35082 | **02 oo** |
| 10 | 46061 | 10990 | 89010 | 35070 | 90 |
| 20 | 46452 | 11394 | 88606 | 35058 | 80 |
| 30 | 46844 | 11797 | 88203 | 35047 | 70 |
| 40 | 47235 | 12201 | 87799 | 35035 | 60 |
| 50 | 47627 | 12604 | 87396 | 35023 | 50 |
| 60 | 48018 | 13007 | 86993 | 35011 | 40 |
| 70 | 48409 | 13410 | 86590 | 34999 | 30 |
| 80 | 48801 | 13814 | 86186 | 34987 | 20 |
| 90 | 49192 | 14217 | 85783 | 34975 | 10 |
| **99 oo** | 49583 | 14620 | 85380 | 34963 | **01 oo** |
| 10 | 49975 | 15023 | 84977 | 34951 | 90 |
| 20 | 50366 | 15426 | 84574 | 34940 | 80 |
| 30 | 50757 | 15829 | 84171 | 34928 | 70 |
| 40 | 51148 | 16232 | 83768 | 34916 | 60 |
| 50 | 51539 | 16635 | 83365 | 34904 | 50 |
| 60 | 51930 | 17038 | 82962 | 34892 | 40 |
| 70 | 52321 | 17441 | 82559 | 34880 | 30 |
| 80 | 52712 | 17844 | 82156 | 34868 | 20 |
| 90 | 53103 | 18247 | 81753 | 34856 | 10 |
| **100 oo** | 53494 | 18650 | 81350 | 34844 | **00 oo** |
| | **9.23** | **9.24** | **0.75** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $89^g$ |
| | 391 | 403 | 403 | 12 | |

| | 407 | 406 | 405 | 404 | 403 | 395 | 394 | 393 | 392 | 391 | 12 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40,7 | 40,6 | 40,5 | 40,4 | 40,3 | 39,5 | 39,4 | 39,3 | 39,2 | 39,1 | 1,2 | 1,1 | 1 |
| 2 | 81,4 | 81,2 | 81,0 | 80,8 | 80,6 | 79,0 | 78,8 | 78,6 | 78,4 | 78,2 | 2,4 | 2,2 | 2 |
| 3 | 122,1 | 121,8 | 121,5 | 121,2 | 120,9 | 118,5 | 118,2 | 117,9 | 117,6 | 117,3 | 3,6 | 3,3 | 3 |
| 4 | 162,8 | 162,4 | 162,0 | 161,6 | 161,2 | 158,0 | 157,6 | 157,2 | 156,8 | 156,4 | 4,8 | 4,4 | 4 |
| 5 | 203,5 | 203,0 | 202,5 | 202,0 | 201,5 | 197,5 | 197,0 | 196,5 | 196,0 | 195,5 | 6,0 | 5,5 | 5 |
| 6 | 244,2 | 243,6 | 243,0 | 242,4 | 241,8 | 237,0 | 236,4 | 235,8 | 235,2 | 234,6 | 7,2 | 6,6 | 6 |
| 7 | 284,9 | 284,2 | 283,5 | 282,8 | 282,1 | 276,5 | 275,8 | 275,1 | 274,4 | 273,7 | 8,4 | 7,7 | 7 |
| 8 | 325,6 | 324,8 | 324,0 | 323,2 | 322,4 | 316,0 | 315,2 | 314,4 | 313,6 | 312,8 | 9,6 | 8,8 | 8 |
| 9 | 366,3 | 365,4 | 364,5 | 363,6 | 362,7 | 355,5 | 354,6 | 353,7 | 352,8 | 351,9 | 10,8 | 9,9 | 9 |

| 11g | 391 | 403 | 403 | 11 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.23** | **9.24** | **0.75** | **9.99** | |
| **00 oo** | 53494 | 18650 | 81350 | 34844 | **100 oo** |
| 10 | 53885 | 19052 | 80948 | 34832 | 90 |
| 20 | 54276 | 19455 | 80545 | 34820 | 80 |
| 30 | 54666 | 19858 | 80142 | 34809 | 70 |
| 40 | 55057 | 20260 | 79740 | 34797 | 60 |
| 50 | 55448 | 20663 | 79337 | 34785 | 50 |
| 60 | 55839 | 21066 | 78934 | 34773 | 40 |
| 70 | 56229 | 21468 | 78532 | 34761 | 30 |
| 80 | 56620 | 21871 | 78129 | 34749 | 20 |
| 90 | 57010 | 22273 | 77727 | 34737 | 10 |
| **01 oo** | 57401 | 22676 | 77324 | 34725 | **99 oo** |
| 10 | 57791 | 23078 | 76922 | 34713 | 90 |
| 20 | 58182 | 23480 | 76520 | 34701 | 80 |
| 30 | 58572 | 23883 | 76117 | 34689 | 70 |
| 40 | 58963 | 24285 | 75715 | 34678 | 60 |
| 50 | 59353 | 24687 | 75313 | 34666 | 50 |
| 60 | 59743 | 25090 | 74910 | 34654 | 40 |
| 70 | 60134 | 25492 | 74508 | 34642 | 30 |
| 80 | 60524 | 25894 | 74106 | 34630 | 20 |
| 90 | 60914 | 26296 | 73704 | 34618 | 10 |
| **02 oo** | 61304 | 26698 | 73302 | 34606 | **98 oo** |
| 10 | 61694 | 27100 | 72900 | 34594 | 90 |
| 20 | 62084 | 27502 | 72498 | 34582 | 80 |
| 30 | 62474 | 27904 | 72096 | 34570 | 70 |
| 40 | 62865 | 28306 | 71694 | 34558 | 60 |
| 50 | 63254 | 28708 | 71292 | 34546 | 50 |
| 60 | 63644 | 29110 | 70890 | 34534 | 40 |
| 70 | 64034 | 29512 | 70488 | 34522 | 30 |
| 80 | 64424 | 29914 | 70086 | 34511 | 20 |
| 90 | 64814 | 30316 | 69684 | 34499 | 10 |
| **03 oo** | 65204 | 30717 | 69283 | 34487 | **97 oo** |
| 10 | 65594 | 31119 | 68881 | 34475 | 90 |
| 20 | 65983 | 31521 | 68479 | 34463 | 80 |
| 30 | 66373 | 31922 | 68078 | 34451 | 70 |
| 40 | 66763 | 32324 | 67676 | 34439 | 60 |
| 50 | 67152 | 32725 | 67275 | 34427 | 50 |
| 60 | 67542 | 33127 | 66873 | 34415 | 40 |
| 70 | 67932 | 33529 | 66471 | 34403 | 30 |
| 80 | 68321 | 33930 | 66070 | 34391 | 20 |
| 90 | 68711 | 34331 | 65669 | 34379 | 10 |
| **04 oo** | 69100 | 34733 | 65267 | 34367 | **96 oo** |
| 10 | 69489 | 35134 | 64866 | 34355 | 90 |
| 20 | 69879 | 35536 | 64464 | 34343 | 80 |
| 30 | 70268 | 35937 | 64063 | 34331 | 70 |
| 40 | 70657 | 36338 | 63662 | 34319 | 60 |
| 50 | 71047 | 36739 | 63261 | 34307 | 50 |
| 60 | 71436 | 37141 | 62859 | 34295 | 40 |
| 70 | 71825 | 37542 | 62458 | 34284 | 30 |
| 80 | 72214 | 37943 | 62057 | 34272 | 20 |
| 90 | 72603 | 38344 | 61656 | 34260 | 10 |
| **05 oo** | 72993 | 38745 | 61255 | 34248 | **95 oo** |
| | **9.23** | **9.24** | **0.75** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 389 | 401 | 401 | 12 | 88g |

| 11g | 389 | 401 | 401 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.23** | **9.24** | **0.75** | **9.99** | |
| **05 oo** | 72993 | 38745 | 61255 | 34248 | **95 oo** |
| 10 | 73382 | 39146 | 60854 | 34236 | 90 |
| 20 | 73771 | 39547 | 60453 | 34224 | 80 |
| 30 | 74160 | 39948 | 60052 | 34212 | 70 |
| 40 | 74549 | 40349 | 59651 | 34200 | 60 |
| 50 | 74937 | 40750 | 59250 | 34188 | 50 |
| 60 | 75326 | 41150 | 58850 | 34176 | 40 |
| 70 | 75715 | 41551 | 58449 | 34164 | 30 |
| 80 | 76104 | 41952 | 58048 | 34152 | 20 |
| 90 | 76493 | 42353 | 57647 | 34140 | 10 |
| **06 oo** | 76881 | 42754 | 57246 | 34128 | **94 oo** |
| 10 | 77270 | 43154 | 56846 | 34116 | 90 |
| 20 | 77659 | 43555 | 56445 | 34104 | 80 |
| 30 | 78047 | 43955 | 56045 | 34092 | 70 |
| 40 | 78436 | 44356 | 55644 | 34080 | 60 |
| 50 | 78825 | 44756 | 55244 | 34068 | 50 |
| 60 | 79213 | 45157 | 54843 | 34056 | 40 |
| 70 | 79602 | 45557 | 54443 | 34044 | 30 |
| 80 | 79990 | 45958 | 54042 | 34032 | 20 |
| 90 | 80378 | 46358 | 53642 | 34020 | 10 |
| **07 oo** | 80767 | 46759 | 53241 | 34008 | **93 oo** |
| 10 | 81155 | 47159 | 52841 | 33996 | 90 |
| 20 | 81543 | 47559 | 52441 | 33984 | 80 |
| 30 | 81932 | 47959 | 52041 | 33972 | 70 |
| 40 | 82320 | 48360 | 51640 | 33960 | 60 |
| 50 | 82708 | 48760 | 51240 | 33948 | 50 |
| 60 | 83096 | 49160 | 50840 | 33936 | 40 |
| 70 | 83484 | 49560 | 50440 | 33924 | 30 |
| 80 | 83872 | 49960 | 50040 | 33912 | 20 |
| 90 | 84261 | 50360 | 49640 | 33900 | 10 |
| **08 oo** | 84649 | 50760 | 49240 | 33888 | **92 oo** |
| 10 | 85037 | 51160 | 48840 | 33876 | 90 |
| 20 | 85424 | 51560 | 48440 | 33864 | 80 |
| 30 | 85812 | 51960 | 48040 | 33852 | 70 |
| 40 | 86200 | 52360 | 47640 | 33840 | 60 |
| 50 | 86588 | 52760 | 47240 | 33828 | 50 |
| 60 | 86976 | 53160 | 46840 | 33816 | 40 |
| 70 | 87364 | 53559 | 46441 | 33804 | 30 |
| 80 | 87751 | 53959 | 46041 | 33792 | 20 |
| 90 | 88139 | 54359 | 45641 | 33780 | 10 |
| **09 oo** | 88527 | 54758 | 45242 | 33768 | **91 oo** |
| 10 | 88914 | 55158 | 44842 | 33756 | 90 |
| 20 | 89302 | 55558 | 44442 | 33744 | 80 |
| 30 | 89689 | 55957 | 44043 | 33732 | 70 |
| 40 | 90077 | 56357 | 43643 | 33720 | 60 |
| 50 | 90464 | 56756 | 43244 | 33708 | 50 |
| 60 | 90852 | 57156 | 42844 | 33696 | 40 |
| 70 | 91239 | 57555 | 42445 | 33684 | 30 |
| 80 | 91627 | 57955 | 42045 | 33672 | 20 |
| 90 | 92014 | 58354 | 41646 | 33660 | 10 |
| **10 oo** | 92401 | 58753 | 41247 | 33648 | **90 oo** |
| | **9.23** | **9.24** | **0.75** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 387 | 399 | 399 | 12 | 88g |

| | 403 | 402 | 401 | 400 | 399 | 391 | 390 | 389 | 388 | 387 | 12 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40,3 | 40,2 | 40,1 | 40,0 | 39,9 | 39,1 | 39,0 | 38,9 | 38,8 | 38,7 | 1,2 | 1,1 | 1 |
| 2 | 80,6 | 80,4 | 80,2 | 80,0 | 79,8 | 78,2 | 78,0 | 77,8 | 77,6 | 77,4 | 2,4 | 2,2 | 2 |
| 3 | 120,9 | 120,6 | 120,3 | 120,0 | 119,7 | 117,3 | 117,0 | 116,7 | 116,4 | 116,1 | 3,6 | 3,3 | 3 |
| 4 | 161,2 | 160,8 | 160,4 | 160,0 | 159,6 | 156,4 | 156,0 | 155,6 | 155,2 | 154,8 | 4,8 | 4,4 | 4 |
| 5 | 201,5 | 201,0 | 200,5 | 200,0 | 199,5 | 195,5 | 195,0 | 194,5 | 194,0 | 193,5 | 6,0 | 5,5 | 5 |
| 6 | 241,8 | 241,2 | 240,6 | 240,0 | 239,4 | 234,6 | 234,0 | 233,4 | 232,8 | 232,2 | 7,2 | 6,6 | 6 |
| 7 | 282,1 | 281,4 | 280,7 | 280,0 | 279,3 | 273,7 | 273,0 | 272,3 | 271,6 | 270,9 | 8,4 | 7,7 | 7 |
| 8 | 322,4 | 321,6 | 320,8 | 320,0 | 319,2 | 312,8 | 312,0 | 311,2 | 310,4 | 309,6 | 9,6 | 8,8 | 8 |
| 9 | 362,7 | 361,8 | 360,9 | 360,0 | 359,1 | 351,9 | 351,0 | 350,1 | 349,2 | 348,3 | 10,8 | 9,9 | 9 |

| 11g | 388 | 400 | 400 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.23 | 9.24 | 0.75 | 9.99 | |
| 10 oo | *92401 | 58753 | 41247 | 33648 | 90 oo |
| 10 | *92789 | 59152 | 40848 | 33636 | 90 |
| 20 | *93176 | 59552 | 40448 | 33624 | 80 |
| 30 | *93563 | 59951 | 40049 | 33612 | 70 |
| 40 | *93950 | 60350 | 39650 | 33600 | 60 |
| 50 | *94337 | 60749 | 39251 | 33588 | 50 |
| 60 | *94724 | 61148 | 38852 | 33576 | 40 |
| 70 | *95111 | 61547 | 38453 | 33564 | 30 |
| 80 | *95498 | 61946 | 38054 | 33552 | 20 |
| 90 | *95885 | 62345 | 37655 | 33540 | 10 |
| 11 oo | *96272 | 62744 | 37256 | 33528 | 89 oo |
| 10 | *96659 | 63143 | 36857 | 33516 | 90 |
| 20 | *97046 | 63542 | 36458 | 33504 | 80 |
| 30 | *97433 | 63941 | 36059 | 33492 | 70 |
| 40 | *97820 | 64340 | 35660 | 33480 | 60 |
| 50 | *98207 | 64739 | 35261 | 33468 | 50 |
| 60 | *98593 | 65138 | 34862 | 33456 | 40 |
| 70 | *98980 | 65536 | 34464 | 33444 | 30 |
| 80 | *99367 | 65935 | 34065 | 33432 | 20 |
| 90 | *99753 | 66334 | 33666 | 33420 | 10 |
| 12 oo | 00140 | 66732 | 33268 | 33408 | 88 oo |
| 10 | 00526 | 67131 | 32869 | 33396 | 90 |
| 20 | 00913 | 67529 | 32471 | 33384 | 80 |
| 30 | 01299 | 67928 | 32072 | 33372 | 70 |
| 40 | 01686 | 68326 | 31674 | 33359 | 60 |
| 50 | 02072 | 68725 | 31275 | 33347 | 50 |
| 60 | 02459 | 69123 | 30877 | 33335 | 40 |
| 70 | 02845 | 69522 | 30478 | 33323 | 30 |
| 80 | 03231 | 69920 | 30080 | 33311 | 20 |
| 90 | 03618 | 70318 | 29682 | 33299 | 10 |
| 13 oo | 04004 | 70717 | 29283 | 33287 | 87 oo |
| 10 | 04390 | 71115 | 28885 | 33275 | 90 |
| 20 | 04776 | 71513 | 28487 | 33263 | 80 |
| 30 | 05162 | 71911 | 28089 | 33251 | 70 |
| 40 | 05548 | 72309 | 27691 | 33239 | 60 |
| 50 | 05935 | 72708 | 27292 | 33227 | 50 |
| 60 | 06321 | 73106 | 26894 | 33215 | 40 |
| 70 | 06707 | 73504 | 26496 | 33203 | 30 |
| 80 | 07092 | 73902 | 26098 | 33191 | 20 |
| 90 | 07478 | 74300 | 25700 | 33179 | 10 |
| 14 oo | 07864 | 74698 | 25302 | 33167 | 86 oo |
| 10 | 08250 | 75096 | 24904 | 33155 | 90 |
| 20 | 08636 | 75493 | 24507 | 33143 | 80 |
| 30 | 09022 | 75891 | 24109 | 33130 | 70 |
| 40 | 09407 | 76289 | 23711 | 33118 | 60 |
| 50 | 09793 | 76687 | 23313 | 33106 | 50 |
| 60 | 10179 | 77085 | 22915 | 33094 | 40 |
| 70 | 10564 | 77482 | 22518 | 33082 | 30 |
| 80 | 10950 | 77880 | 22120 | 33070 | 20 |
| 90 | 11336 | 78278 | 21722 | 33058 | 10 |
| 15 oo | 11721 | 78675 | 21325 | 33046 | 85 oo |
| | 9.24 | 9.24 | 0.75 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 385 | 397 | 397 | 13 | |

| 11g | 386 | 398 | 398 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 9.24 | 9.24 | 0.75 | 9.99 | |
| 15 oo | 11721 | 78675 | 21325 | 33046 | 85 oo |
| 10 | 12107 | 79073 | 20927 | 33034 | 90 |
| 20 | 12492 | 79470 | 20530 | 33022 | 80 |
| 30 | 12878 | 79868 | 20132 | 33010 | 70 |
| 40 | 13263 | 80265 | 19735 | 32998 | 60 |
| 50 | 13648 | 80663 | 19337 | 32986 | 50 |
| 60 | 14034 | 81060 | 18940 | 32974 | 40 |
| 70 | 14419 | 81457 | 18543 | 32961 | 30 |
| 80 | 14804 | 81855 | 18145 | 32949 | 20 |
| 90 | 15189 | 82252 | 17748 | 32937 | 10 |
| 16 oo | 15574 | 82649 | 17351 | 32925 | 84 oo |
| 10 | 15960 | 83047 | 16953 | 32913 | 90 |
| 20 | 16345 | 83444 | 16556 | 32901 | 80 |
| 30 | 16730 | 83841 | 16159 | 32889 | 70 |
| 40 | 17115 | 84238 | 15762 | 32877 | 60 |
| 50 | 17500 | 84635 | 15365 | 32865 | 50 |
| 60 | 17885 | 85032 | 14968 | 32853 | 40 |
| 70 | 18270 | 85429 | 14571 | 32841 | 30 |
| 80 | 18655 | 85826 | 14174 | 32828 | 20 |
| 90 | 19039 | 86223 | 13777 | 32816 | 10 |
| 17 oo | 19424 | 86620 | 13380 | 32804 | 83 oo |
| 10 | 19809 | 87017 | 12983 | 32792 | 90 |
| 20 | 20194 | 87414 | 12586 | 32780 | 80 |
| 30 | 20579 | 87811 | 12189 | 32768 | 70 |
| 40 | 20963 | 88207 | 11793 | 32756 | 60 |
| 50 | 21348 | 88604 | 11396 | 32744 | 50 |
| 60 | 21733 | 89001 | 10999 | 32732 | 40 |
| 70 | 22117 | 89397 | 10603 | 32720 | 30 |
| 80 | 22502 | 89794 | 10206 | 32708 | 20 |
| 90 | 22886 | 90191 | 09809 | 32695 | 10 |
| 18 oo | 23271 | 90587 | 09413 | 32683 | 82 oo |
| 10 | 23655 | 90984 | 09016 | 32671 | 90 |
| 20 | 24039 | 91380 | 08620 | 32659 | 80 |
| 30 | 24424 | 91777 | 08223 | 32647 | 70 |
| 40 | 24808 | 92173 | 07827 | 32635 | 60 |
| 50 | 25192 | 92570 | 07430 | 32623 | 50 |
| 60 | 25577 | 92966 | 07034 | 32611 | 40 |
| 70 | 25961 | 93362 | 06638 | 32599 | 30 |
| 80 | 26345 | 93759 | 06241 | 32586 | 20 |
| 90 | 26729 | 94155 | 05845 | 32574 | 10 |
| 19 oo | 27113 | 94551 | 05449 | 32562 | 81 oo |
| 10 | 27497 | 94947 | 05053 | 32550 | 90 |
| 20 | 27882 | 95344 | 04656 | 32538 | 80 |
| 30 | 28266 | 95740 | 04260 | 32526 | 70 |
| 40 | 28650 | 96136 | 03864 | 32514 | 60 |
| 50 | 29033 | 96532 | 03468 | 32502 | 50 |
| 60 | 29417 | 96928 | 03072 | 32489 | 40 |
| 70 | 29801 | 97324 | 02676 | 32477 | 30 |
| 80 | 30185 | 97720 | 02280 | 32465 | 20 |
| 90 | 30569 | 98116 | 01884 | 32453 | 10 |
| 20 oo | 30953 | 98512 | 01488 | 32441 | 80 oo |
| | 9.24 | 9.24 | 0.75 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 383 | 396 | 396 | 13 | |

| | 400 | 399 | 398 | 397 | 396 | 388 | 387 | 386 | 385 | 384 | 383 | 13 | 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40,0 | 39,9 | 39,8 | 39,7 | 39,6 | 38,8 | 38,7 | 38,6 | 38,5 | 38,4 | 38,3 | 1,3 | 1,2 | 1 |
| 2 | 80,0 | 79,8 | 79,6 | 79,4 | 79,2 | 77,6 | 77,4 | 77,2 | 77,0 | 76,8 | 76,6 | 2,6 | 2,4 | 2 |
| 3 | 120,0 | 119,7 | 119,4 | 119,1 | 118,8 | 116,4 | 116,1 | 115,8 | 115,5 | 115,2 | 114,9 | 3,9 | 3,6 | 3 |
| 4 | 160,0 | 159,6 | 159,2 | 158,8 | 158,4 | 155,2 | 154,8 | 154,4 | 154,0 | 153,6 | 153,2 | 5,2 | 4,8 | 4 |
| 5 | 200,0 | 199,5 | 199,0 | 198,5 | 198,0 | 194,0 | 193,5 | 193,0 | 192,5 | 192,0 | 191,5 | 6,5 | 6,0 | 5 |
| 6 | 240,0 | 239,4 | 238,8 | 238,2 | 237,6 | 232,8 | 232,2 | 231,6 | 231,0 | 230,4 | 229,8 | 7,8 | 7,2 | 6 |
| 7 | 280,0 | 279,3 | 278,6 | 277,9 | 277,2 | 271,6 | 270,9 | 270,2 | 269,5 | 268,8 | 268,1 | 9,1 | 8,4 | 7 |
| 8 | 320,0 | 319,2 | 318,4 | 317,6 | 316,8 | 310,4 | 309,6 | 308,8 | 308,0 | 307,2 | 306,4 | 10,4 | 9,6 | 8 |
| 9 | 360,0 | 359,1 | 358,2 | 357,3 | 356,4 | 349,2 | 348,3 | 347,4 | 346,5 | 345,6 | 344,7 | 11,7 | 10,8 | 9 |

| 11g | 384 | 396 | 396 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.24** | ***9.24** | ***0.75** | **9.99** | |
| **20 oo** | 30953 | *98512 | *01488 | 32441 | **80 oo** |
| 10 | 31336 | *98908 | *01092 | 32429 | 90 |
| 20 | 31720 | *99303 | *00697 | 32417 | 80 |
| 30 | 32104 | *99699 | *00301 | 32405 | 70 |
| 40 | 32487 | 00095 | 99905 | 32392 | 60 |
| 50 | 32871 | 00491 | 99509 | 32380 | 50 |
| 60 | 33255 | 00886 | 99114 | 32368 | 40 |
| 70 | 33638 | 01282 | 98718 | 32356 | 30 |
| 80 | 34022 | 01678 | 98322 | 32344 | 20 |
| 90 | 34405 | 02073 | 97927 | 32332 | 10 |
| **21 oo** | 34788 | 02469 | 97531 | 32320 | **79 oo** |
| 10 | 35172 | 02864 | 97136 | 32308 | 90 |
| 20 | 35555 | 03260 | 96740 | 32295 | 80 |
| 30 | 35939 | 03655 | 96345 | 32283 | 70 |
| 40 | 36322 | 04051 | 95949 | 32271 | 60 |
| 50 | 36705 | 04446 | 95554 | 32259 | 50 |
| 60 | 37088 | 04841 | 95159 | 32247 | 40 |
| 70 | 37471 | 05237 | 94763 | 32235 | 30 |
| 80 | 37855 | 05632 | 94368 | 32223 | 20 |
| 90 | 38238 | 06027 | 93973 | 32210 | 10 |
| **22 oo** | 38621 | 06423 | 93577 | 32198 | **78 oo** |
| 10 | 39004 | 06818 | 93182 | 32186 | 90 |
| 20 | 39387 | 07213 | 92787 | 32174 | 80 |
| 30 | 39770 | 07608 | 92392 | 32162 | 70 |
| 40 | 40153 | 08003 | 91997 | 32150 | 60 |
| 50 | 40536 | 08398 | 91602 | 32137 | 50 |
| 60 | 40919 | 08793 | 91207 | 32125 | 40 |
| 70 | 41301 | 09188 | 90812 | 32113 | 30 |
| 80 | 41684 | 09583 | 90417 | 32101 | 20 |
| 90 | 42067 | 09978 | 90022 | 32089 | 10 |
| **23 oo** | 42450 | 10373 | 89627 | 32077 | **77 oo** |
| 10 | 42832 | 10768 | 89232 | 32065 | 90 |
| 20 | 43215 | 11163 | 88837 | 32052 | 80 |
| 30 | 43598 | 11557 | 88443 | 32040 | 70 |
| 40 | 43980 | 11952 | 88048 | 32028 | 60 |
| 50 | 44363 | 12347 | 87653 | 32016 | 50 |
| 60 | 44745 | 12742 | 87258 | 32004 | 40 |
| 70 | 45128 | 13136 | 86864 | 31992 | 30 |
| 80 | 45510 | 13531 | 86469 | 31979 | 20 |
| 90 | 45893 | 13925 | 86075 | 31967 | 10 |
| **24 oo** | 46275 | 14320 | 85680 | 31955 | **76 oo** |
| 10 | 46657 | 14714 | 85286 | 31943 | 90 |
| 20 | 47040 | 15109 | 84891 | 31931 | 80 |
| 30 | 47422 | 15503 | 84497 | 31919 | 70 |
| 40 | 47804 | 15898 | 84102 | 31906 | 60 |
| 50 | 48186 | 16292 | 83708 | 31894 | 50 |
| 60 | 48568 | 16686 | 83314 | 31882 | 40 |
| 70 | 48951 | 17081 | 82919 | 31870 | 30 |
| 80 | 49333 | 17475 | 82525 | 31858 | 20 |
| 90 | 49715 | 17869 | 82131 | 31845 | 10 |
| **25 oo** | 50097 | 18264 | 81736 | 31833 | **75 oo** |
| | **9.24** | **9.25** | **0.74** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 382 | 394 | 394 | 13 | |

| 11g | 382 | 394 | 394 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.24** | **9.25** | **0.74** | **9.99** | |
| **25 oo** | 50097 | 18264 | 81736 | 31833 | **75 oo** |
| 10 | 50479 | 18658 | 81342 | 31821 | 90 |
| 20 | 50861 | 19052 | 80948 | 31809 | 80 |
| 30 | 51243 | 19446 | 80554 | 31797 | 70 |
| 40 | 51625 | 19840 | 80160 | 31785 | 60 |
| 50 | 52006 | 20234 | 79766 | 31772 | 50 |
| 60 | 52388 | 20628 | 79372 | 31760 | 40 |
| 70 | 52770 | 21022 | 78978 | 31748 | 30 |
| 80 | 53152 | 21416 | 78584 | 31736 | 20 |
| 90 | 53534 | 21810 | 78190 | 31724 | 10 |
| **26 oo** | 53915 | 22204 | 77796 | 31711 | **74 oo** |
| 10 | 54297 | 22598 | 77402 | 31699 | 90 |
| 20 | 54678 | 22991 | 77009 | 31687 | 80 |
| 30 | 55060 | 23385 | 76615 | 31675 | 70 |
| 40 | 55442 | 23779 | 76221 | 31663 | 60 |
| 50 | 55823 | 24173 | 75827 | 31650 | 50 |
| 60 | 56205 | 24566 | 75434 | 31638 | 40 |
| 70 | 56586 | 24960 | 75040 | 31626 | 30 |
| 80 | 56967 | 25354 | 74646 | 31614 | 20 |
| 90 | 57349 | 25747 | 74253 | 31602 | 10 |
| **27 oo** | 57730 | 26141 | 73859 | 31589 | **73 oo** |
| 10 | 58111 | 26534 | 73466 | 31577 | 90 |
| 20 | 58493 | 26928 | 73072 | 31565 | 80 |
| 30 | 58874 | 27321 | 72679 | 31553 | 70 |
| 40 | 59255 | 27715 | 72285 | 31541 | 60 |
| 50 | 59636 | 28108 | 71892 | 31528 | 50 |
| 60 | 60017 | 28501 | 71499 | 31516 | 40 |
| 70 | 60399 | 28895 | 71105 | 31504 | 30 |
| 80 | 60780 | 29288 | 70712 | 31492 | 20 |
| 90 | 61161 | 29681 | 70319 | 31480 | 10 |
| **28 oo** | 61542 | 30074 | 69926 | 31467 | **72 oo** |
| 10 | 61923 | 30467 | 69533 | 31455 | 90 |
| 20 | 62303 | 30861 | 69139 | 31443 | 80 |
| 30 | 62684 | 31254 | 68746 | 31431 | 70 |
| 40 | 63065 | 31647 | 68353 | 31418 | 60 |
| 50 | 63446 | 32040 | 67960 | 31406 | 50 |
| 60 | 63827 | 32433 | 67567 | 31394 | 40 |
| 70 | 64208 | 32826 | 67174 | 31382 | 30 |
| 80 | 64588 | 33219 | 66781 | 31370 | 20 |
| 90 | 64969 | 33612 | 66388 | 31357 | 10 |
| **29 oo** | 65350 | 34005 | 65995 | 31345 | **71 oo** |
| 10 | 65730 | 34397 | 65603 | 31333 | 90 |
| 20 | 66111 | 34790 | 65210 | 31321 | 80 |
| 30 | 66491 | 35183 | 64817 | 31308 | 70 |
| 40 | 66872 | 35576 | 64424 | 31296 | 60 |
| 50 | 67252 | 35968 | 64032 | 31284 | 50 |
| 60 | 67633 | 36361 | 63639 | 31272 | 40 |
| 70 | 68013 | 36754 | 63246 | 31259 | 30 |
| 80 | 68394 | 37146 | 62854 | 31247 | 20 |
| 90 | 68774 | 37539 | 62461 | 31235 | 10 |
| **30 oo** | 69154 | 37931 | 62069 | 31223 | **70 oo** |
| | **9.24** | **9.25** | **0.74** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 380 | 392 | 392 | 13 | |

| | 396 | 395 | 394 | 393 | 392 | 384 | 383 | 382 | 381 | 380 | 13 | 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 39,6 | 39,5 | 39,4 | 39,3 | 39,2 | 38,4 | 38,3 | 38,2 | 38,1 | 38,0 | 1,3 | 1,2 | 1 |
| 2 | 79,2 | 79,0 | 78,8 | 78,6 | 78,4 | 76,8 | 76,6 | 76,4 | 76,2 | 76,0 | 2,6 | 2,4 | 2 |
| 3 | 118,8 | 118,5 | 118,2 | 117,9 | 117,6 | 115,2 | 114,9 | 114,6 | 114,3 | 114,0 | 3,9 | 3,6 | 3 |
| 4 | 158,4 | 158,0 | 157,6 | 157,2 | 156,8 | 153,6 | 153,2 | 152,8 | 152,4 | 152,0 | 5,2 | 4,8 | 4 |
| 5 | 198,0 | 197,5 | 197,0 | 196,5 | 196,0 | 192,0 | 191,5 | 191,0 | 190,5 | 190,0 | 6,5 | 6,0 | 5 |
| 6 | 237,6 | 237,0 | 236,4 | 235,8 | 235,2 | 230,4 | 229,8 | 229,2 | 228,6 | 228,0 | 7,8 | 7,2 | 6 |
| 7 | 277,2 | 276,5 | 275,8 | 275,1 | 274,4 | 268,8 | 268,1 | 267,4 | 266,7 | 266,0 | 9,1 | 8,4 | 7 |
| 8 | 316,8 | 316,0 | 315,2 | 314,4 | 313,6 | 307,2 | 306,4 | 305,6 | 304,8 | 304,0 | 10,4 | 9,6 | 8 |
| 9 | 356,4 | 355,5 | 354,6 | 353,7 | 352,8 | 345,6 | 344,7 | 343,8 | 342,9 | 342,0 | 11,7 | 10,8 | 9 |

| 11g | 381 | 393 | 393 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.24** | **9.25** | **0.74** | **9.99** | |
| **30 oo** | 69154 | 37931 | 62069 | 31223 | **70 oo** |
| 10 | 69534 | 38324 | 61676 | 31211 | 90 |
| 20 | 69915 | 38716 | 61284 | 31198 | 80 |
| 30 | 70295 | 39109 | 60891 | 31186 | 70 |
| 40 | 70675 | 39501 | 60499 | 31174 | 60 |
| 50 | 71055 | 39894 | 60106 | 31162 | 50 |
| 60 | 71435 | 40286 | 59714 | 31149 | 40 |
| 70 | 71815 | 40678 | 59322 | 31137 | 30 |
| 80 | 72195 | 41071 | 58929 | 31125 | 20 |
| 90 | 72575 | 41463 | 58537 | 31113 | 10 |
| **31 oo** | 72955 | 41855 | 58145 | 31100 | **69 oo** |
| 10 | 73335 | 42247 | 57753 | 31088 | 90 |
| 20 | 73715 | 42639 | 57361 | 31076 | 80 |
| 30 | 74095 | 43031 | 56969 | 31064 | 70 |
| 40 | 74475 | 43424 | 56576 | 31051 | 60 |
| 50 | 74855 | 43816 | 56184 | 31039 | 50 |
| 60 | 75234 | 44208 | 55792 | 31027 | 40 |
| 70 | 75614 | 44600 | 55400 | 31015 | 30 |
| 80 | 75994 | 44992 | 55008 | 31002 | 20 |
| 90 | 76373 | 45383 | 54617 | 30990 | 10 |
| **32 oo** | 76753 | 45775 | 54225 | 30978 | **68 oo** |
| 10 | 77133 | 46167 | 53833 | 30966 | 90 |
| 20 | 77512 | 46559 | 53441 | 30953 | 80 |
| 30 | 77892 | 46951 | 53049 | 30941 | 70 |
| 40 | 78271 | 47342 | 52658 | 30929 | 60 |
| 50 | 78651 | 47734 | 52266 | 30916 | 50 |
| 60 | 79030 | 48126 | 51874 | 30904 | 40 |
| 70 | 79409 | 48518 | 51482 | 30892 | 30 |
| 80 | 79789 | 48909 | 51091 | 30880 | 20 |
| 90 | 80168 | 49301 | 50699 | 30867 | 10 |
| **33 oo** | 80547 | 49692 | 50308 | 30855 | **67 oo** |
| 10 | 80927 | 50084 | 49916 | 30843 | 90 |
| 20 | 81306 | 50475 | 49525 | 30831 | 80 |
| 30 | 81685 | 50867 | 49133 | 30818 | 70 |
| 40 | 82064 | 51258 | 48742 | 30806 | 60 |
| 50 | 82443 | 51649 | 48351 | 30794 | 50 |
| 60 | 82822 | 52041 | 47959 | 30781 | 40 |
| 70 | 83201 | 52432 | 47568 | 30769 | 30 |
| 80 | 83580 | 52823 | 47177 | 30757 | 20 |
| 90 | 83959 | 53215 | 46785 | 30745 | 10 |
| **34 oo** | 84338 | 53606 | 46394 | 30732 | **66 oo** |
| 10 | 84717 | 53997 | 46003 | 30720 | 90 |
| 20 | 85096 | 54388 | 45612 | 30708 | 80 |
| 30 | 85475 | 54779 | 45221 | 30696 | 70 |
| 40 | 85854 | 55170 | 44830 | 30683 | 60 |
| 50 | 86232 | 55561 | 44439 | 30671 | 50 |
| 60 | 86611 | 55952 | 44048 | 30659 | 40 |
| 70 | 86990 | 56343 | 43657 | 30646 | 30 |
| 80 | 87368 | 56734 | 43266 | 30634 | 20 |
| 90 | 87747 | 57125 | 42875 | 30622 | 10 |
| **35 oo** | 88126 | 57516 | 42484 | 30609 | **65 oo** |
| | **9.24** | **9.25** | **0.74** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 378 | 391 | 391 | 13 | |

| 11g | 379 | 391 | 391 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.24** | **9.25** | **0.74** | **9.99** | |
| **35 oo** | 88126 | 57516 | 42484 | 30609 | **65 oo** |
| 10 | 88504 | 57907 | 42093 | 30597 | 90 |
| 20 | 88883 | 58298 | 41702 | 30585 | 80 |
| 30 | 89261 | 58689 | 41311 | 30573 | 70 |
| 40 | 89640 | 59079 | 40921 | 30560 | 60 |
| 50 | 90018 | 59470 | 40530 | 30548 | 50 |
| 60 | 90397 | 59861 | 40139 | 30536 | 40 |
| 70 | 90775 | 60251 | 39749 | 30523 | 30 |
| 80 | 91153 | 60642 | 39358 | 30511 | 20 |
| 90 | 91532 | 61033 | 38967 | 30499 | 10 |
| **36 oo** | 91910 | 61423 | 38577 | 30487 | **64 oo** |
| 10 | 92288 | 61814 | 38186 | 30474 | 90 |
| 20 | 92666 | 62204 | 37796 | 30462 | 80 |
| 30 | 93044 | 62595 | 37405 | 30450 | 70 |
| 40 | 93422 | 62985 | 37015 | 30437 | 60 |
| 50 | 93801 | 63376 | 36624 | 30425 | 50 |
| 60 | 94179 | 63766 | 36234 | 30413 | 40 |
| 70 | 94557 | 64156 | 35844 | 30400 | 30 |
| 80 | 94935 | 64547 | 35453 | 30388 | 20 |
| 90 | 95313 | 64937 | 35063 | 30376 | 10 |
| **37 oo** | 95690 | 65327 | 34673 | 30363 | **63 oo** |
| 10 | 96068 | 65717 | 34283 | 30351 | 90 |
| 20 | 96446 | 66107 | 33893 | 30339 | 80 |
| 30 | 96824 | 66497 | 33503 | 30326 | 70 |
| 40 | 97202 | 66888 | 33112 | 30314 | 60 |
| 50 | 97579 | 67278 | 32722 | 30302 | 50 |
| 60 | 97957 | 67668 | 32332 | 30290 | 40 |
| 70 | 98335 | 68058 | 31942 | 30277 | 30 |
| 80 | 98712 | 68448 | 31552 | 30265 | 20 |
| 90 | 99090 | 68838 | 31162 | 30253 | 10 |
| **38 oo** | 99468 | 69227 | 30773 | 30240 | **62 oo** |
| 10 | 99845 | 69617 | 30383 | 30228 | 90 |
| 20 | *00223 | 70007 | 29993 | 30216 | 80 |
| 30 | *00600 | 70397 | 29603 | 30203 | 70 |
| 40 | *00978 | 70787 | 29213 | 30191 | 60 |
| 50 | *01355 | 71176 | 28824 | 30179 | 50 |
| 60 | *01732 | 71566 | 28434 | 30166 | 40 |
| 70 | *02110 | 71956 | 28044 | 30154 | 30 |
| 80 | *02487 | 72345 | 27655 | 30142 | 20 |
| 90 | *02864 | 72735 | 27265 | 30129 | 10 |
| **39 oo** | *03242 | 73125 | 26875 | 30117 | **61 oo** |
| 10 | *03619 | 73514 | 26486 | 30105 | 90 |
| 20 | *03996 | 73904 | 26096 | 30092 | 80 |
| 30 | *04373 | 74293 | 25707 | 30080 | 70 |
| 40 | *04750 | 74683 | 25317 | 30068 | 60 |
| 50 | *05127 | 75072 | 24928 | 30055 | 50 |
| 60 | *05504 | 75461 | 24539 | 30043 | 40 |
| 70 | *05881 | 75851 | 24149 | 30031 | 30 |
| 80 | *06258 | 76240 | 23760 | 30018 | 20 |
| 90 | *06635 | 76629 | 23371 | 30006 | 10 |
| **40 oo** | *07012 | 77019 | 22981 | 29993 | **60 oo** |
| | ***9.25** | **9.25** | **0.74** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 377 | 389 | 389 | 13 | |

| | 393 | 392 | 391 | 390 | 389 | 381 | 380 | 379 | 378 | 377 | 13 | 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 39,3 | 39,2 | 39,1 | 39,0 | 38,9 | 38,1 | 38,0 | 37,9 | 37,8 | 37,7 | 1,3 | 1,2 | 1 |
| 2 | 78,6 | 78,4 | 78,2 | 78,0 | 77,8 | 76,2 | 76,0 | 75,8 | 75,6 | 75,4 | 2,6 | 2,4 | 2 |
| 3 | 117,9 | 117,6 | 117,3 | 117,0 | 116,7 | 114,3 | 114,0 | 113,7 | 113,4 | 113,1 | 3,9 | 3,6 | 3 |
| 4 | 157,2 | 156,8 | 156,4 | 156,0 | 155,6 | 152,4 | 152,0 | 151,6 | 151,2 | 150,8 | 5,2 | 4,8 | 4 |
| 5 | 196,5 | 196,0 | 195,5 | 195,0 | 194,5 | 190,5 | 190,0 | 189,5 | 189,0 | 188,5 | 6,5 | 6,0 | 5 |
| 6 | 235,8 | 235,2 | 234,6 | 234,0 | 233,4 | 228,6 | 228,0 | 227,4 | 226,8 | 226,2 | 7,8 | 7,2 | 6 |
| 7 | 275,1 | 274,4 | 273,7 | 273,0 | 272,3 | 266,7 | 266,0 | 265,3 | 264,6 | 263,9 | 9,1 | 8,4 | 7 |
| 8 | 314,4 | 313,6 | 312,8 | 312,0 | 311,2 | 304,8 | 304,0 | 303,2 | 302,4 | 301,6 | 10,4 | 9,6 | 8 |
| 9 | 353,7 | 352,8 | 351,9 | 351,0 | 350,1 | 342,9 | 342,0 | 341,1 | 340,2 | 339,3 | 11,7 | 10,8 | 9 |

| 11g | 377 | 389 | 389 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.25** | **9.25** | **0.74** | **9.99** | |
| **40 oo** | 07012 | 77019 | 22981 | 29993 | **60 oo** |
| 10 | 07389 | 77408 | 22592 | 29981 | 90 |
| 20 | 07766 | 77797 | 22203 | 29969 | 80 |
| 30 | 08143 | 78186 | 21814 | 29956 | 70 |
| 40 | 08519 | 78575 | 21425 | 29944 | 60 |
| 50 | 08896 | 78964 | 21036 | 29932 | 50 |
| 60 | 09273 | 79353 | 20647 | 29919 | 40 |
| 70 | 09649 | 79742 | 20258 | 29907 | 30 |
| 80 | 10026 | 80131 | 19869 | 29895 | 20 |
| 90 | 10403 | 80520 | 19480 | 29882 | 10 |
| **41 oo** | 10779 | 80909 | 19091 | 29870 | **59 oo** |
| 10 | 11156 | 81298 | 18702 | 29858 | 90 |
| 20 | 11532 | 81687 | 18313 | 29845 | 80 |
| 30 | 11909 | 82076 | 17924 | 29833 | 70 |
| 40 | 12285 | 82465 | 17535 | 29820 | 60 |
| 50 | 12661 | 82853 | 17147 | 29808 | 50 |
| 60 | 13038 | 83242 | 16758 | 29796 | 40 |
| 70 | 13414 | 83631 | 16369 | 29783 | 30 |
| 80 | 13790 | 84019 | 15981 | 29771 | 20 |
| 90 | 14167 | 84408 | 15592 | 29759 | 10 |
| **42 oo** | 14543 | 84797 | 15203 | 29746 | **58 oo** |
| 10 | 14919 | 85185 | 14815 | 29734 | 90 |
| 20 | 15295 | 85574 | 14426 | 29722 | 80 |
| 30 | 15671 | 85962 | 14038 | 29709 | 70 |
| 40 | 16047 | 86351 | 13649 | 29697 | 60 |
| 50 | 16423 | 86739 | 13261 | 29684 | 50 |
| 60 | 16799 | 87127 | 12873 | 29672 | 40 |
| 70 | 17175 | 87516 | 12484 | 29660 | 30 |
| 80 | 17551 | 87904 | 12096 | 29647 | 20 |
| 90 | 17927 | 88292 | 11708 | 29635 | 10 |
| **43 oo** | 18303 | 88681 | 11319 | 29623 | **57 oo** |
| 10 | 18679 | 89069 | 10931 | 29610 | 90 |
| 20 | 19055 | 89457 | 10543 | 29598 | 80 |
| 30 | 19431 | 89845 | 10155 | 29585 | 70 |
| 40 | 19806 | 90233 | 09767 | 29573 | 60 |
| 50 | 20182 | 90622 | 09378 | 29561 | 50 |
| 60 | 20558 | 91010 | 08990 | 29548 | 40 |
| 70 | 20933 | 91398 | 08602 | 29536 | 30 |
| 80 | 21309 | 91786 | 08214 | 29523 | 20 |
| 90 | 21685 | 92174 | 07826 | 29511 | 10 |
| **44 oo** | 22060 | 92562 | 07438 | 29499 | **56 oo** |
| 10 | 22436 | 92950 | 07050 | 29486 | 90 |
| 20 | 22811 | 93337 | 06663 | 29474 | 80 |
| 30 | 23187 | 93725 | 06275 | 29461 | 70 |
| 40 | 23562 | 94113 | 05887 | 29449 | 60 |
| 50 | 23937 | 94501 | 05499 | 29437 | 50 |
| 60 | 24313 | 94889 | 05111 | 29424 | 40 |
| 70 | 24688 | 95276 | 04724 | 29412 | 30 |
| 80 | 25063 | 95664 | 04336 | 29399 | 20 |
| 90 | 25439 | 96052 | 03948 | 29387 | 10 |
| **45 oo** | 25814 | 96439 | 03561 | 29375 | **55 oo** |
| | **9.25** | **9.25** | **0.74** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 375 | 387 | 387 | 13 | |

| 11g | 375 | 388 | 388 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.25** | ***9.25** | ***0.74** | **9.99** | |
| **45 oo** | 25814 | *96439 | *03561 | 29375 | **55 oo** |
| 10 | 26189 | *96827 | *03173 | 29362 | 90 |
| 20 | 26564 | *97214 | *02786 | 29350 | 80 |
| 30 | 26939 | *97602 | *02398 | 29337 | 70 |
| 40 | 27314 | *97989 | *02011 | 29325 | 60 |
| 50 | 27689 | *98377 | *01623 | 29313 | 50 |
| 60 | 28064 | *98764 | *01236 | 29300 | 40 |
| 70 | 28439 | *99152 | *00848 | 29288 | 30 |
| 80 | 28814 | *99539 | *00461 | 29275 | 20 |
| 90 | 29189 | *99926 | *00074 | 29263 | 10 |
| **46 oo** | 29564 | 00314 | 99686 | 29251 | **54 oo** |
| 10 | 29939 | 00701 | 99299 | 29238 | 90 |
| 20 | 30314 | 01088 | 98912 | 29226 | 80 |
| 30 | 30689 | 01475 | 98525 | 29213 | 70 |
| 40 | 31063 | 01862 | 98138 | 29201 | 60 |
| 50 | 31438 | 02250 | 97750 | 29188 | 50 |
| 60 | 31813 | 02637 | 97363 | 29176 | 40 |
| 70 | 32187 | 03024 | 96976 | 29164 | 30 |
| 80 | 32562 | 03411 | 96589 | 29151 | 20 |
| 90 | 32937 | 03798 | 96202 | 29139 | 10 |
| **47 oo** | 33311 | 04185 | 95815 | 29126 | **53 oo** |
| 10 | 33686 | 04572 | 95428 | 29114 | 90 |
| 20 | 34060 | 04959 | 95041 | 29102 | 80 |
| 30 | 34435 | 05346 | 94654 | 29089 | 70 |
| 40 | 34809 | 05732 | 94268 | 29077 | 60 |
| 50 | 35183 | 06119 | 93881 | 29064 | 50 |
| 60 | 35558 | 06506 | 93494 | 29052 | 40 |
| 70 | 35932 | 06893 | 93107 | 29039 | 30 |
| 80 | 36306 | 07279 | 92721 | 29027 | 20 |
| 90 | 36681 | 07666 | 92334 | 29015 | 10 |
| **48 oo** | 37055 | 08053 | 91947 | 29002 | **52 oo** |
| 10 | 37429 | 08439 | 91561 | 28990 | 90 |
| 20 | 37803 | 08826 | 91174 | 28977 | 80 |
| 30 | 38177 | 09212 | 90788 | 28965 | 70 |
| 40 | 38551 | 09599 | 90401 | 28952 | 60 |
| 50 | 38925 | 09985 | 90015 | 28940 | 50 |
| 60 | 39299 | 10372 | 89628 | 28927 | 40 |
| 70 | 39673 | 10758 | 89242 | 28915 | 30 |
| 80 | 40047 | 11145 | 88855 | 28903 | 20 |
| 90 | 40421 | 11531 | 88469 | 28890 | 10 |
| **49 oo** | 40795 | 11917 | 88083 | 28878 | **51 oo** |
| 10 | 41169 | 12304 | 87696 | 28865 | 90 |
| 20 | 41543 | 12690 | 87310 | 28853 | 80 |
| 30 | 41917 | 13076 | 86924 | 28840 | 70 |
| 40 | 42290 | 13462 | 86538 | 28828 | 60 |
| 50 | 42664 | 13849 | 86151 | 28815 | 50 |
| 60 | 43038 | 14235 | 85765 | 28803 | 40 |
| 70 | 43411 | 14621 | 85379 | 28790 | 30 |
| 80 | 43785 | 15007 | 84993 | 28778 | 20 |
| 90 | 44159 | 15393 | 84607 | 28766 | 10 |
| **50 oo** | 44532 | 15779 | 84221 | 28753 | **50 oo** |
| | **9.25** | **9.26** | **0.73** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 373 | 386 | 386 | 13 | |

| | 389 | 388 | 387 | 386 | 377 | 376 | 375 | 374 | 373 | 13 | 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 38,9 | 38,8 | 38,7 | 38,6 | 37,7 | 37,6 | 37,5 | 37,4 | 37,3 | 1,3 | 1,2 | 1 |
| 2 | 77,8 | 77,6 | 77,4 | 77,2 | 75,4 | 75,2 | 75,0 | 74,8 | 74,6 | 2,6 | 2,4 | 2 |
| 3 | 116,7 | 116,4 | 116,1 | 115,8 | 113,1 | 112,8 | 112,5 | 112,2 | 111,9 | 3,9 | 3,6 | 3 |
| 4 | 155,6 | 155,2 | 154,8 | 154,4 | 150,8 | 150,4 | 150,0 | 149,6 | 149,2 | 5,2 | 4,8 | 4 |
| 5 | 194,5 | 194,0 | 193,5 | 193,0 | 188,5 | 188,0 | 187,5 | 187,0 | 186,5 | 6,5 | 6,0 | 5 |
| 6 | 233,4 | 232,8 | 232,2 | 231,6 | 226,2 | 225,6 | 225,0 | 224,4 | 223,8 | 7,8 | 7,2 | 6 |
| 7 | 272,3 | 271,6 | 270,9 | 270,2 | 263,9 | 263,2 | 262,5 | 261,8 | 261,1 | 9,1 | 8,4 | 7 |
| 8 | 311,2 | 310,4 | 309,6 | 308,8 | 301,6 | 300,8 | 300,0 | 299,2 | 298,4 | 10,4 | 9,6 | 8 |
| 9 | 350,1 | 349,2 | 348,3 | 347,4 | 339,3 | 338,4 | 337,5 | 336,6 | 335,7 | 11,7 | 10,8 | 9 |

| 11g | 374 | 386 | 386 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.25** | **9.26** | **0.73** | **9.99** | |
| **50 oo** | 44532 | 15779 | 84221 | 28753 | **50 oo** |
| 10 | 44906 | 16165 | 83835 | 28741 | 90 |
| 20 | 45279 | 16551 | 83449 | 28728 | 80 |
| 30 | 45652 | 16937 | 83063 | 28716 | 70 |
| 40 | 46026 | 17323 | 82677 | 28703 | 60 |
| 50 | 46399 | 17708 | 82292 | 28691 | 50 |
| 60 | 46773 | 18094 | 81906 | 28678 | 40 |
| 70 | 47146 | 18480 | 81520 | 28666 | 30 |
| 80 | 47519 | 18866 | 81134 | 28653 | 20 |
| 90 | 47892 | 19252 | 80748 | 28641 | 10 |
| **51 oo** | 48266 | 19637 | 80363 | 28628 | **49 oo** |
| 10 | 48639 | 20023 | 79977 | 28616 | 90 |
| 20 | 49012 | 20409 | 79591 | 28604 | 80 |
| 30 | 49385 | 20794 | 79206 | 28591 | 70 |
| 40 | 49758 | 21180 | 78820 | 28579 | 60 |
| 50 | 50131 | 21565 | 78435 | 28566 | 50 |
| 60 | 50504 | 21951 | 78049 | 28554 | 40 |
| 70 | 50877 | 22336 | 77664 | 28541 | 30 |
| 80 | 51250 | 22722 | 77278 | 28529 | 20 |
| 90 | 51623 | 23107 | 76893 | 28516 | 10 |
| **52 oo** | 51996 | 23492 | 76508 | 28504 | **48 oo** |
| 10 | 52369 | 23878 | 76122 | 28491 | 90 |
| 20 | 52742 | 24263 | 75737 | 28479 | 80 |
| 30 | 53114 | 24648 | 75352 | 28466 | 70 |
| 40 | 53487 | 25033 | 74967 | 28454 | 60 |
| 50 | 53860 | 25419 | 74581 | 28441 | 50 |
| 60 | 54233 | 25804 | 74196 | 28429 | 40 |
| 70 | 54605 | 26189 | 73811 | 28416 | 30 |
| 80 | 54978 | 26574 | 73426 | 28404 | 20 |
| 90 | 55351 | 26959 | 73041 | 28391 | 10 |
| **53 oo** | 55723 | 27344 | 72656 | 28379 | **47 oo** |
| 10 | 56096 | 27729 | 72271 | 28366 | 90 |
| 20 | 56468 | 28114 | 71886 | 28354 | 80 |
| 30 | 56841 | 28499 | 71501 | 28341 | 70 |
| 40 | 57213 | 28884 | 71116 | 28329 | 60 |
| 50 | 57585 | 29269 | 70731 | 28316 | 50 |
| 60 | 57958 | 29654 | 70346 | 28304 | 40 |
| 70 | 58330 | 30039 | 69961 | 28291 | 30 |
| 80 | 58702 | 30423 | 69577 | 28279 | 20 |
| 90 | 59075 | 30808 | 69192 | 28266 | 10 |
| **54 oo** | 59447 | 31193 | 68807 | 28254 | **46 oo** |
| 10 | 59819 | 31578 | 68422 | 28241 | 90 |
| 20 | 60191 | 31962 | 68038 | 28229 | 80 |
| 30 | 60563 | 32347 | 67653 | 28216 | 70 |
| 40 | 60935 | 32732 | 67268 | 28204 | 60 |
| 50 | 61307 | 33116 | 66884 | 28191 | 50 |
| 60 | 61679 | 33501 | 66499 | 28179 | 40 |
| 70 | 62051 | 33885 | 66115 | 28166 | 30 |
| 80 | 62423 | 34270 | 65730 | 28154 | 20 |
| 90 | 62795 | 34654 | 65346 | 28141 | 10 |
| **55 oo** | 63167 | 35038 | 64962 | 28129 | **45 oo** |
| | **9.25** | **9.26** | **0.73** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 372 | 384 | 384 | 13 | |

| 11g | 372 | 385 | 385 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.25** | **9.26** | **0.73** | **9.99** | |
| **55 oo** | 63167 | 35038 | 64962 | 28129 | **45 oo** |
| 10 | 63539 | 35423 | 64577 | 28116 | 90 |
| 20 | 63911 | 35807 | 64193 | 28104 | 80 |
| 30 | 64283 | 36191 | 63809 | 28091 | 70 |
| 40 | 64654 | 36576 | 63424 | 28079 | 60 |
| 50 | 65026 | 36960 | 63040 | 28066 | 50 |
| 60 | 65398 | 37344 | 62656 | 28054 | 40 |
| 70 | 65770 | 37728 | 62272 | 28041 | 30 |
| 80 | 66141 | 38113 | 61887 | 28029 | 20 |
| 90 | 66513 | 38497 | 61503 | 28016 | 10 |
| **56 oo** | 66884 | 38881 | 61119 | 28004 | **44 oo** |
| 10 | 67256 | 39265 | 60735 | 27991 | 90 |
| 20 | 67627 | 39649 | 60351 | 27979 | 80 |
| 30 | 67999 | 40033 | 59967 | 27966 | 70 |
| 40 | 68370 | 40417 | 59583 | 27953 | 60 |
| 50 | 68742 | 40801 | 59199 | 27941 | 50 |
| 60 | 69113 | 41185 | 58815 | 27928 | 40 |
| 70 | 69484 | 41569 | 58431 | 27916 | 30 |
| 80 | 69856 | 41952 | 58048 | 27903 | 20 |
| 90 | 70227 | 42336 | 57664 | 27891 | 10 |
| **57 oo** | 70598 | 42720 | 57280 | 27878 | **43 oo** |
| 10 | 70969 | 43104 | 56896 | 27866 | 90 |
| 20 | 71341 | 43487 | 56513 | 27853 | 80 |
| 30 | 71712 | 43871 | 56129 | 27841 | 70 |
| 40 | 72083 | 44255 | 55745 | 27828 | 60 |
| 50 | 72454 | 44638 | 55362 | 27816 | 50 |
| 60 | 72825 | 45022 | 54978 | 27803 | 40 |
| 70 | 73196 | 45405 | 54595 | 27790 | 30 |
| 80 | 73567 | 45789 | 54211 | 27778 | 20 |
| 90 | 73938 | 46172 | 53828 | 27765 | 10 |
| **58 oo** | 74309 | 46556 | 53444 | 27753 | **42 oo** |
| 10 | 74680 | 46939 | 53061 | 27740 | 90 |
| 20 | 75050 | 47323 | 52677 | 27728 | 80 |
| 30 | 75421 | 47706 | 52294 | 27715 | 70 |
| 40 | 75792 | 48089 | 51911 | 27703 | 60 |
| 50 | 76163 | 48473 | 51527 | 27690 | 50 |
| 60 | 76534 | 48856 | 51144 | 27678 | 40 |
| 70 | 76904 | 49239 | 50761 | 27665 | 30 |
| 80 | 77275 | 49622 | 50378 | 27652 | 20 |
| 90 | 77645 | 50006 | 49994 | 27640 | 10 |
| **59 oo** | 78016 | 50389 | 49611 | 27627 | **41 oo** |
| 10 | 78387 | 50772 | 49228 | 27615 | 90 |
| 20 | 78757 | 51155 | 48845 | 27602 | 80 |
| 30 | 79128 | 51538 | 48462 | 27590 | 70 |
| 40 | 79498 | 51921 | 48079 | 27577 | 60 |
| 50 | 79868 | 52304 | 47696 | 27565 | 50 |
| 60 | 80239 | 52687 | 47313 | 27552 | 40 |
| 70 | 80609 | 53070 | 46930 | 27539 | 30 |
| 80 | 80980 | 53453 | 46547 | 27527 | 20 |
| 90 | 81350 | 53836 | 46164 | 27514 | 10 |
| **60 oo** | 81720 | 54218 | 45782 | 27502 | **40 oo** |
| | **9.25** | **9.26** | **0.73** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 370 | 382 | 382 | 13 | |

| | 386 | 385 | 384 | 383 | 382 | 374 | 373 | 372 | 371 | 370 | 13 | 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 38,6 | 38,5 | 38,4 | 38,3 | 38,2 | 37,4 | 37,3 | 37,2 | 37,1 | 37,0 | 1,3 | 1,2 | 1 |
| 2 | 77,2 | 77,0 | 76,8 | 76,6 | 76,4 | 74,8 | 74,6 | 74,4 | 74,2 | 74,0 | 2,6 | 2,4 | 2 |
| 3 | 115,8 | 115,5 | 115,2 | 114,9 | 114,6 | 112,2 | 111,9 | 111,6 | 111,3 | 111,0 | 3,9 | 3,6 | 3 |
| 4 | 154,4 | 154,0 | 153,6 | 153,2 | 152,8 | 149,6 | 149,2 | 148,8 | 148,4 | 148,0 | 5,2 | 4,8 | 4 |
| 5 | 193,0 | 192,5 | 192,0 | 191,5 | 191,0 | 187,0 | 186,5 | 186,0 | 185,5 | 185,0 | 6,5 | 6,0 | 5 |
| 6 | 231,6 | 231,0 | 230,4 | 229,8 | 229,2 | 224,4 | 223,8 | 223,2 | 222,6 | 222,0 | 7,8 | 7,2 | 6 |
| 7 | 270,2 | 269,5 | 268,8 | 268,1 | 267,4 | 261,8 | 261,1 | 260,4 | 259,7 | 259,0 | 9,1 | 8,4 | 7 |
| 8 | 308,8 | 308,0 | 307,2 | 306,4 | 305,6 | 299,2 | 298,4 | 297,6 | 296,8 | 296,0 | 10,4 | 9,6 | 8 |
| 9 | 347,4 | 346,5 | 345,6 | 344,7 | 343,8 | 336,6 | 335,7 | 334,8 | 333,9 | 333,0 | 11,7 | 10,8 | 9 |

| 11g | 371 | 383 | 383 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.25** | **9.26** | **0.73** | **9.99** | |
| **60 oo** | 81720 | 54218 | 45782 | 27502 | **40 oo** |
| 10 | 82090 | 54601 | 45399 | 27489 | 90 |
| 20 | 82460 | 54984 | 45016 | 27477 | 80 |
| 30 | 82831 | 55367 | 44633 | 27464 | 70 |
| 40 | 83201 | 55749 | 44251 | 27451 | 60 |
| 50 | 83571 | 56132 | 43868 | 27439 | 50 |
| 60 | 83941 | 56515 | 43485 | 27426 | 40 |
| 70 | 84311 | 56897 | 43103 | 27414 | 30 |
| 80 | 84681 | 57280 | 42720 | 27401 | 20 |
| 90 | 85051 | 57662 | 42338 | 27388 | 10 |
| **61 oo** | 85421 | 58045 | 41955 | 27376 | **39 oo** |
| 10 | 85791 | 58427 | 41573 | 27363 | 90 |
| 20 | 86161 | 58810 | 41190 | 27351 | 80 |
| 30 | 86530 | 59192 | 40808 | 27338 | 70 |
| 40 | 86900 | 59575 | 40425 | 27326 | 60 |
| 50 | 87270 | 59957 | 40043 | 27313 | 50 |
| 60 | 87640 | 60339 | 39661 | 27300 | 40 |
| 70 | 88009 | 60722 | 39278 | 27288 | 30 |
| 80 | 88379 | 61104 | 38896 | 27275 | 20 |
| 90 | 88749 | 61486 | 38514 | 27263 | 10 |
| **62 oo** | 89118 | 61868 | 38132 | 27250 | **38 oo** |
| 10 | 89488 | 62250 | 37750 | 27237 | 90 |
| 20 | 89857 | 62633 | 37367 | 27225 | 80 |
| 30 | 90227 | 63015 | 36985 | 27212 | 70 |
| 40 | 90596 | 63397 | 36603 | 27200 | 60 |
| 50 | 90966 | 63779 | 36221 | 27187 | 50 |
| 60 | 91335 | 64161 | 35839 | 27174 | 40 |
| 70 | 91705 | 64543 | 35457 | 27162 | 30 |
| 80 | 92074 | 64925 | 35075 | 27149 | 20 |
| 90 | 92443 | 65307 | 34693 | 27137 | 10 |
| **63 oo** | 92813 | 65689 | 34311 | 27124 | **37 oo** |
| 10 | 93182 | 66070 | 33930 | 27111 | 90 |
| 20 | 93551 | 66452 | 33548 | 27099 | 80 |
| 30 | 93920 | 66834 | 33166 | 27086 | 70 |
| 40 | 94289 | 67216 | 32784 | 27074 | 60 |
| 50 | 94658 | 67597 | 32403 | 27061 | 50 |
| 60 | 95028 | 67979 | 32021 | 27048 | 40 |
| 70 | 95397 | 68361 | 31639 | 27036 | 30 |
| 80 | 95766 | 68742 | 31258 | 27023 | 20 |
| 90 | 96135 | 69124 | 30876 | 27011 | 10 |
| **64 oo** | 96504 | 69506 | 30494 | 26998 | **36 oo** |
| 10 | 96873 | 69887 | 30113 | 26985 | 90 |
| 20 | 97241 | 70269 | 29731 | 26973 | 80 |
| 30 | 97610 | 70650 | 29350 | 26960 | 70 |
| 40 | 97979 | 71032 | 28968 | 26948 | 60 |
| 50 | 98348 | 71413 | 28587 | 26935 | 50 |
| 60 | 98717 | 71794 | 28206 | 26922 | 40 |
| 70 | 99085 | 72176 | 27824 | 26910 | 30 |
| 80 | 99454 | 72557 | 27443 | 26897 | 20 |
| 90 | 99823 | 72938 | 27062 | 26884 | 10 |
| **65 oo** | ∗00191 | 73320 | 26680 | 26872 | **35 oo** |
| | ∗**9.26** | **9.26** | **0.73** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 368 | 381 | 381 | 13 | |

| 11g | 369 | 381 | 381 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.26** | **9.26** | **0.73** | **9.99** | |
| **65 oo** | 00191 | 73320 | 26680 | 26872 | **35 oo** |
| 10 | 00560 | 73701 | 26299 | 26859 | 90 |
| 20 | 00929 | 74082 | 25918 | 26847 | 80 |
| 30 | 01297 | 74463 | 25537 | 26834 | 70 |
| 40 | 01666 | 74844 | 25156 | 26821 | 60 |
| 50 | 02034 | 75225 | 24775 | 26809 | 50 |
| 60 | 02402 | 75606 | 24394 | 26796 | 40 |
| 70 | 02771 | 75987 | 24013 | 26783 | 30 |
| 80 | 03139 | 76368 | 23632 | 26771 | 20 |
| 90 | 03508 | 76749 | 23251 | 26758 | 10 |
| **66 oo** | 03876 | 77130 | 22870 | 26745 | **34 oo** |
| 10 | 04244 | 77511 | 22489 | 26733 | 90 |
| 20 | 04612 | 77892 | 22108 | 26720 | 80 |
| 30 | 04981 | 78273 | 21727 | 26708 | 70 |
| 40 | 05349 | 78654 | 21346 | 26695 | 60 |
| 50 | 05717 | 79035 | 20965 | 26682 | 50 |
| 60 | 06085 | 79415 | 20585 | 26670 | 40 |
| 70 | 06453 | 79796 | 20204 | 26657 | 30 |
| 80 | 06821 | 80177 | 19823 | 26644 | 20 |
| 90 | 07189 | 80557 | 19443 | 26632 | 10 |
| **67 oo** | 07557 | 80938 | 19062 | 26619 | **33 oo** |
| 10 | 07925 | 81319 | 18681 | 26606 | 90 |
| 20 | 08293 | 81699 | 18301 | 26594 | 80 |
| 30 | 08661 | 82080 | 17920 | 26581 | 70 |
| 40 | 09029 | 82460 | 17540 | 26568 | 60 |
| 50 | 09397 | 82841 | 17159 | 26556 | 50 |
| 60 | 09764 | 83221 | 16779 | 26543 | 40 |
| 70 | 10132 | 83602 | 16398 | 26531 | 30 |
| 80 | 10500 | 83982 | 16018 | 26518 | 20 |
| 90 | 10868 | 84362 | 15638 | 26505 | 10 |
| **68 oo** | 11235 | 84743 | 15257 | 26493 | **32 oo** |
| 10 | 11603 | 85123 | 14877 | 26480 | 90 |
| 20 | 11970 | 85503 | 14497 | 26467 | 80 |
| 30 | 12338 | 85883 | 14117 | 26455 | 70 |
| 40 | 12706 | 86264 | 13736 | 26442 | 60 |
| 50 | 13073 | 86644 | 13356 | 26429 | 50 |
| 60 | 13441 | 87024 | 12976 | 26417 | 40 |
| 70 | 13808 | 87404 | 12596 | 26404 | 30 |
| 80 | 14175 | 87784 | 12216 | 26391 | 20 |
| 90 | 14543 | 88164 | 11836 | 26379 | 10 |
| **69 oo** | 14910 | 88544 | 11456 | 26366 | **31 oo** |
| 10 | 15277 | 88924 | 11076 | 26353 | 90 |
| 20 | 15645 | 89304 | 10696 | 26341 | 80 |
| 30 | 16012 | 89684 | 10316 | 26328 | 70 |
| 40 | 16379 | 90064 | 09936 | 26315 | 60 |
| 50 | 16746 | 90444 | 09556 | 26303 | 50 |
| 60 | 17113 | 90824 | 09176 | 26290 | 40 |
| 70 | 17481 | 91203 | 08797 | 26277 | 30 |
| 80 | 17848 | 91583 | 08417 | 26265 | 20 |
| 90 | 18215 | 91963 | 08037 | 26252 | 10 |
| **70 oo** | 18582 | 92343 | 07657 | 26239 | **30 oo** |
| | **9.26** | **9.26** | **0.73** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 367 | 379 | 379 | 13 | |

| | 383 | 382 | 381 | 380 | 379 | 371 | 370 | 369 | 368 | 367 | 13 | 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 38,3 | 38,2 | 38,1 | 38,0 | 37,9 | 37,1 | 37,0 | 36,9 | 36,8 | 36,7 | 1,3 | 1,2 | 1 |
| 2 | 76,6 | 76,4 | 76,2 | 76,0 | 75,8 | 74,2 | 74,0 | 73,8 | 73,6 | 73,4 | 2,6 | 2,4 | 2 |
| 3 | 114,9 | 114,6 | 114,3 | 114,0 | 113,7 | 111,3 | 111,0 | 110,7 | 110,4 | 110,1 | 3,9 | 3,6 | 3 |
| 4 | 153,2 | 152,8 | 152,4 | 152,0 | 151,6 | 148,4 | 148,0 | 147,6 | 147,2 | 146,8 | 5,2 | 4,8 | 4 |
| 5 | 191,5 | 191,0 | 190,5 | 190,0 | 189,5 | 185,5 | 185,0 | 184,5 | 184,0 | 183,5 | 6,5 | 6,0 | 5 |
| 6 | 229,8 | 229,2 | 228,6 | 228,0 | 227,4 | 222,6 | 222,0 | 221,4 | 220,8 | 220,2 | 7,8 | 7,2 | 6 |
| 7 | 268,1 | 267,4 | 266,7 | 266,0 | 265,3 | 259,7 | 259,0 | 258,3 | 257,6 | 256,9 | 9,1 | 8,4 | 7 |
| 8 | 306,4 | 305,6 | 304,8 | 304,0 | 303,2 | 296,8 | 296,0 | 295,2 | 294,4 | 293,6 | 10,4 | 9,6 | 8 |
| 9 | 344,7 | 343,8 | 342,9 | 342,0 | 341,1 | 333,9 | 333,0 | 332,1 | 331,2 | 330,3 | 11,7 | 10,8 | 9 |

| 11g | 367 | 380 | 380 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.26** | ***9.26** | ***0.73** | **9.99** | |
| **70 oo** | 18582 | *92343 | *07657 | 26239 | **30 oo** |
| 10 | 18949 | *92722 | *07278 | 26226 | 90 |
| 20 | 19316 | *93102 | *06898 | 26214 | 80 |
| 30 | 19683 | *93481 | *06519 | 26201 | 70 |
| 40 | 20049 | *93861 | *06139 | 26188 | 60 |
| 50 | 20416 | *94241 | *05759 | 26176 | 50 |
| 60 | 20783 | *94620 | *05380 | 26163 | 40 |
| 70 | 21150 | *95000 | *05000 | 26150 | 30 |
| 80 | 21517 | *95379 | *04621 | 26138 | 20 |
| 90 | 21883 | *95758 | *04242 | 26125 | 10 |
| **71 oo** | 22250 | *96138 | *03862 | 26112 | **29 oo** |
| 10 | 22617 | *96517 | *03483 | 26100 | 90 |
| 20 | 22983 | *96897 | *03103 | 26087 | 80 |
| 30 | 23350 | *97276 | *02724 | 26074 | 70 |
| 40 | 23717 | *97655 | *02345 | 26062 | 60 |
| 50 | 24083 | *98034 | *01966 | 26049 | 50 |
| 60 | 24450 | *98414 | *01586 | 26036 | 40 |
| 70 | 24816 | *98793 | *01207 | 26023 | 30 |
| 80 | 25183 | *99172 | *00828 | 26011 | 20 |
| 90 | 25549 | *99551 | *00449 | 25998 | 10 |
| **72 oo** | 25915 | *99930 | *00070 | 25985 | **28 oo** |
| 10 | 26282 | 00309 | 99691 | 25973 | 90 |
| 20 | 26648 | 00688 | 99312 | 25960 | 80 |
| 30 | 27014 | 01067 | 98933 | 25947 | 70 |
| 40 | 27381 | 01446 | 98554 | 25935 | 60 |
| 50 | 27747 | 01825 | 98175 | 25922 | 50 |
| 60 | 28113 | 02204 | 97796 | 25909 | 40 |
| 70 | 28479 | 02583 | 97417 | 25896 | 30 |
| 80 | 28845 | 02962 | 97038 | 25884 | 20 |
| 90 | 29211 | 03340 | 96660 | 25871 | 10 |
| **73 oo** | 29577 | 03719 | 96281 | 25858 | **27 oo** |
| 10 | 29943 | 04098 | 95902 | 25846 | 90 |
| 20 | 30309 | 04477 | 95523 | 25833 | 80 |
| 30 | 30675 | 04855 | 95145 | 25820 | 70 |
| 40 | 31041 | 05234 | 94766 | 25807 | 60 |
| 50 | 31407 | 05613 | 94387 | 25795 | 50 |
| 60 | 31773 | 05991 | 94009 | 25782 | 40 |
| 70 | 32139 | 06370 | 93630 | 25769 | 30 |
| 80 | 32505 | 06748 | 93252 | 25756 | 20 |
| 90 | 32871 | 07127 | 92873 | 25744 | 10 |
| **74 oo** | 33236 | 07505 | 92495 | 25731 | **26 oo** |
| 10 | 33602 | 07884 | 92116 | 25718 | 90 |
| 20 | 33968 | 08262 | 91738 | 25706 | 80 |
| 30 | 34333 | 08640 | 91360 | 25693 | 70 |
| 40 | 34699 | 09019 | 90981 | 25680 | 60 |
| 50 | 35064 | 09397 | 90603 | 25667 | 50 |
| 60 | 35430 | 09775 | 90225 | 25655 | 40 |
| 70 | 35796 | 10154 | 89846 | 25642 | 30 |
| 80 | 36161 | 10532 | 89468 | 25629 | 20 |
| 90 | 36526 | 10910 | 89090 | 25616 | 10 |
| **75 oo** | 36892 | 11288 | 88712 | 25604 | **25 oo** |
| | **9.26** | **9.27** | **0.72** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 365 | 378 | 378 | 13 | |

| 11g | 366 | 378 | 378 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.26** | **9.27** | **0.72** | **9.99** | |
| **75 oo** | 36892 | 11288 | 88712 | 25604 | **25 oo** |
| 10 | 37257 | 11666 | 88334 | 25591 | 90 |
| 20 | 37623 | 12044 | 87956 | 25578 | 80 |
| 30 | 37988 | 12422 | 87578 | 25566 | 70 |
| 40 | 38353 | 12800 | 87200 | 25553 | 60 |
| 50 | 38719 | 13178 | 86822 | 25540 | 50 |
| 60 | 39084 | 13556 | 86444 | 25527 | 40 |
| 70 | 39449 | 13934 | 86066 | 25515 | 30 |
| 80 | 39814 | 14312 | 85688 | 25502 | 20 |
| 90 | 40179 | 14690 | 85310 | 25489 | 10 |
| **76 oo** | 40544 | 15068 | 84932 | 25476 | **24 oo** |
| 10 | 40909 | 15446 | 84554 | 25464 | 90 |
| 20 | 41274 | 15824 | 84176 | 25451 | 80 |
| 30 | 41639 | 16201 | 83799 | 25438 | 70 |
| 40 | 42004 | 16579 | 83421 | 25425 | 60 |
| 50 | 42369 | 16957 | 83043 | 25413 | 50 |
| 60 | 42734 | 17335 | 82665 | 25400 | 40 |
| 70 | 43099 | 17712 | 82288 | 25387 | 30 |
| 80 | 43464 | 18090 | 81910 | 25374 | 20 |
| 90 | 43829 | 18467 | 81533 | 25362 | 10 |
| **77 oo** | 44194 | 18845 | 81155 | 25349 | **23 oo** |
| 10 | 44558 | 19222 | 80778 | 25336 | 90 |
| 20 | 44923 | 19600 | 80400 | 25323 | 80 |
| 30 | 45288 | 19977 | 80023 | 25311 | 70 |
| 40 | 45652 | 20355 | 79645 | 25298 | 60 |
| 50 | 46017 | 20732 | 79268 | 25285 | 50 |
| 60 | 46382 | 21109 | 78891 | 25272 | 40 |
| 70 | 46746 | 21487 | 78513 | 25259 | 30 |
| 80 | 47111 | 21864 | 78136 | 25247 | 20 |
| 90 | 47475 | 22241 | 77759 | 25234 | 10 |
| **78 oo** | 47840 | 22619 | 77381 | 25221 | **22 oo** |
| 10 | 48204 | 22996 | 77004 | 25208 | 90 |
| 20 | 48569 | 23373 | 76627 | 25196 | 80 |
| 30 | 48933 | 23750 | 76250 | 25183 | 70 |
| 40 | 49297 | 24127 | 75873 | 25170 | 60 |
| 50 | 49662 | 24504 | 75496 | 25157 | 50 |
| 60 | 50026 | 24881 | 75119 | 25145 | 40 |
| 70 | 50390 | 25258 | 74742 | 25132 | 30 |
| 80 | 50754 | 25635 | 74365 | 25119 | 20 |
| 90 | 51119 | 26012 | 73988 | 25106 | 10 |
| **79 oo** | 51483 | 26389 | 73611 | 25093 | **21 oo** |
| 10 | 51847 | 26766 | 73234 | 25081 | 90 |
| 20 | 52211 | 27143 | 72857 | 25068 | 80 |
| 30 | 52575 | 27520 | 72480 | 25055 | 70 |
| 40 | 52939 | 27897 | 72103 | 25042 | 60 |
| 50 | 53303 | 28274 | 71726 | 25030 | 50 |
| 60 | 53667 | 28650 | 71350 | 25017 | 40 |
| 70 | 54031 | 29027 | 70973 | 25004 | 30 |
| 80 | 54395 | 29404 | 70596 | 24991 | 20 |
| 90 | 54759 | 29780 | 70220 | 24978 | 10 |
| **80 oo** | 55123 | 30157 | 69843 | 24966 | **20 oo** |
| | **9.26** | **9.27** | **0.72** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 364 | 376 | 376 | 13 | |

| | 380 | 379 | 378 | 377 | 376 | 367 | 366 | 365 | 364 | 13 | 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 38,0 | 37,9 | 37,8 | 37,7 | 37,6 | 36,7 | 36,6 | 36,5 | 36,4 | 1,3 | 1,2 | 1 |
| 2 | 76,0 | 75,8 | 75,6 | 75,4 | 75,2 | 73,4 | 73,2 | 73,0 | 72,8 | 2,6 | 2,4 | 2 |
| 3 | 114,0 | 113,7 | 113,4 | 113,1 | 112,8 | 110,1 | 109,8 | 109,5 | 109,2 | 3,9 | 3,6 | 3 |
| 4 | 152,0 | 151,6 | 151,2 | 150,8 | 150,4 | 146,8 | 146,4 | 146,0 | 145,6 | 5,2 | 4,8 | 4 |
| 5 | 190,0 | 189,5 | 189,0 | 188,5 | 188,0 | 183,5 | 183,0 | 182,5 | 182,0 | 6,5 | 6,0 | 5 |
| 6 | 228,0 | 227,4 | 226,8 | 226,2 | 225,6 | 220,2 | 219,6 | 219,0 | 218,4 | 7,8 | 7,2 | 6 |
| 7 | 266,0 | 265,3 | 264,6 | 263,9 | 263,2 | 256,9 | 256,2 | 255,5 | 254,8 | 9,1 | 8,4 | 7 |
| 8 | 304,0 | 303,2 | 302,4 | 301,6 | 300,8 | 293,6 | 292,8 | 292,0 | 291,2 | 10,4 | 9,6 | 8 |
| 9 | 342,0 | 341,1 | 340,2 | 339,3 | 338,4 | 330,3 | 329,4 | 328,5 | 327,6 | 11,7 | 10,8 | 9 |

| 11g | 364 | 377 | 377 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.26** | **9.27** | **0.72** | **9.99** | |
| **80 oo** | 55123 | 30157 | 69843 | 24966 | **20 oo** |
| 10 | 55486 | 30534 | 69466 | 24953 | 90 |
| 20 | 55850 | 30910 | 69090 | 24940 | 80 |
| 30 | 56214 | 31287 | 68713 | 24927 | 70 |
| 40 | 56578 | 31663 | 68337 | 24914 | 60 |
| 50 | 56941 | 32040 | 67960 | 24902 | 50 |
| 60 | 57305 | 32416 | 67584 | 24889 | 40 |
| 70 | 57669 | 32793 | 67207 | 24876 | 30 |
| 80 | 58032 | 33169 | 66831 | 24863 | 20 |
| 90 | 58396 | 33545 | 66455 | 24850 | 10 |
| **81 oo** | 58759 | 33922 | 66078 | 24838 | **19 oo** |
| 10 | 59123 | 34298 | 65702 | 24825 | 90 |
| 20 | 59486 | 34674 | 65326 | 24812 | 80 |
| 30 | 59850 | 35050 | 64950 | 24799 | 70 |
| 40 | 60213 | 35427 | 64573 | 24786 | 60 |
| 50 | 60576 | 35803 | 64197 | 24774 | 50 |
| 60 | 60940 | 36179 | 63821 | 24761 | 40 |
| 70 | 61303 | 36555 | 63445 | 24748 | 30 |
| 80 | 61666 | 36931 | 63069 | 24735 | 20 |
| 90 | 62029 | 37307 | 62693 | 24722 | 10 |
| **82 oo** | 62393 | 37683 | 62317 | 24710 | **18 oo** |
| 10 | 62756 | 38059 | 61941 | 24697 | 90 |
| 20 | 63119 | 38435 | 61565 | 24684 | 80 |
| 30 | 63482 | 38811 | 61189 | 24671 | 70 |
| 40 | 63845 | 39187 | 60813 | 24658 | 60 |
| 50 | 64208 | 39563 | 60437 | 24645 | 50 |
| 60 | 64571 | 39939 | 60061 | 24633 | 40 |
| 70 | 64934 | 40314 | 59686 | 24620 | 30 |
| 80 | 65297 | 40690 | 59310 | 24607 | 20 |
| 90 | 65660 | 41066 | 58934 | 24594 | 10 |
| **83 oo** | 66023 | 41442 | 58558 | 24581 | **17 oo** |
| 10 | 66386 | 41817 | 58183 | 24568 | 90 |
| 20 | 66749 | 42193 | 57807 | 24556 | 80 |
| 30 | 67111 | 42569 | 57431 | 24543 | 70 |
| 40 | 67474 | 42944 | 57056 | 24530 | 60 |
| 50 | 67837 | 43320 | 56680 | 24517 | 50 |
| 60 | 68200 | 43695 | 56305 | 24504 | 40 |
| 70 | 68562 | 44071 | 55929 | 24492 | 30 |
| 80 | 68925 | 44446 | 55554 | 24479 | 20 |
| 90 | 69288 | 44822 | 55178 | 24466 | 10 |
| **84 oo** | 69650 | 45197 | 54803 | 24453 | **16 oo** |
| 10 | 70013 | 45573 | 54427 | 24440 | 90 |
| 20 | 70375 | 45948 | 54052 | 24427 | 80 |
| 30 | 70738 | 46323 | 53677 | 24414 | 70 |
| 40 | 71100 | 46699 | 53301 | 24402 | 60 |
| 50 | 71463 | 47074 | 52926 | 24389 | 50 |
| 60 | 71825 | 47449 | 52551 | 24376 | 40 |
| 70 | 72187 | 47824 | 52176 | 24363 | 30 |
| 80 | 72550 | 48199 | 51801 | 24350 | 20 |
| 90 | 72912 | 48575 | 51425 | 24337 | 10 |
| **85 oo** | 73274 | 48950 | 51050 | 24325 | **15 oo** |
| | **9.26** | **9.27** | **0.72** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 362 | 375 | 375 | 13 | |

| 11g | 363 | 375 | 375 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.26** | **9.27** | **0.72** | **9.99** | |
| **85 oo** | 73274 | 48950 | 51050 | 24325 | **15 oo** |
| 10 | 73637 | 49325 | 50675 | 24312 | 90 |
| 20 | 73999 | 49700 | 50300 | 24299 | 80 |
| 30 | 74361 | 50075 | 49925 | 24286 | 70 |
| 40 | 74723 | 50450 | 49550 | 24273 | 60 |
| 50 | 75085 | 50825 | 49175 | 24260 | 50 |
| 60 | 75447 | 51200 | 48800 | 24247 | 40 |
| 70 | 75809 | 51575 | 48425 | 24235 | 30 |
| 80 | 76171 | 51950 | 48050 | 24222 | 20 |
| 90 | 76533 | 52324 | 47676 | 24209 | 10 |
| **86 oo** | 76895 | 52699 | 47301 | 24196 | **14 oo** |
| 10 | 77257 | 53074 | 46926 | 24183 | 90 |
| 20 | 77619 | 53449 | 46551 | 24170 | 80 |
| 30 | 77981 | 53823 | 46177 | 24157 | 70 |
| 40 | 78343 | 54198 | 45802 | 24145 | 60 |
| 50 | 78705 | 54573 | 45427 | 24132 | 50 |
| 60 | 79066 | 54947 | 45053 | 24119 | 40 |
| 70 | 79428 | 55322 | 44678 | 24106 | 30 |
| 80 | 79790 | 55697 | 44303 | 24093 | 20 |
| 90 | 80151 | 56071 | 43929 | 24080 | 10 |
| **87 oo** | 80513 | 56446 | 43554 | 24067 | **13 oo** |
| 10 | 80875 | 56820 | 43180 | 24055 | 90 |
| 20 | 81236 | 57195 | 42805 | 24042 | 80 |
| 30 | 81598 | 57569 | 42431 | 24029 | 70 |
| 40 | 81959 | 57943 | 42057 | 24016 | 60 |
| 50 | 82321 | 58318 | 41682 | 24003 | 50 |
| 60 | 82682 | 58692 | 41308 | 23990 | 40 |
| 70 | 83044 | 59066 | 40934 | 23977 | 30 |
| 80 | 83405 | 59441 | 40559 | 23964 | 20 |
| 90 | 83766 | 59815 | 40185 | 23952 | 10 |
| **88 oo** | 84128 | 60189 | 39811 | 23939 | **12 oo** |
| 10 | 84489 | 60563 | 39437 | 23926 | 90 |
| 20 | 84850 | 60937 | 39063 | 23913 | 80 |
| 30 | 85212 | 61312 | 38688 | 23900 | 70 |
| 40 | 85573 | 61686 | 38314 | 23887 | 60 |
| 50 | 85934 | 62060 | 37940 | 23874 | 50 |
| 60 | 86295 | 62434 | 37566 | 23861 | 40 |
| 70 | 86656 | 62808 | 37192 | 23849 | 30 |
| 80 | 87017 | 63182 | 36818 | 23836 | 20 |
| 90 | 87378 | 63556 | 36444 | 23823 | 10 |
| **89 oo** | 87739 | 63930 | 36070 | 23810 | **11 oo** |
| 10 | 88100 | 64303 | 35697 | 23797 | 90 |
| 20 | 88461 | 64677 | 35323 | 23784 | 80 |
| 30 | 88822 | 65051 | 34949 | 23771 | 70 |
| 40 | 89183 | 65425 | 34575 | 23758 | 60 |
| 50 | 89544 | 65799 | 34201 | 23745 | 50 |
| 60 | 89905 | 66172 | 33828 | 23732 | 40 |
| 70 | 90266 | 66546 | 33454 | 23720 | 30 |
| 80 | 90626 | 66920 | 33080 | 23707 | 20 |
| 90 | 90987 | 67293 | 32707 | 23694 | 10 |
| **90 oo** | 91348 | 67667 | 32333 | 23681 | **10 oo** |
| | **9.26** | **9.27** | **0.72** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 88g |
| | 360 | 373 | 373 | 13 | |

| | 377 | 376 | 375 | 374 | 373 | 364 | 363 | 362 | 361 | 360 | 13 | 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 37,7 | 37,6 | 37,5 | 37,4 | 37,3 | 36,4 | 36,3 | 36,2 | 36,1 | 36,0 | 1,3 | 1,2 | 1 |
| 2 | 75,4 | 75,2 | 75,0 | 74,8 | 74,6 | 72,8 | 72,6 | 72,4 | 72,2 | 72,0 | 2,6 | 2,4 | 2 |
| 3 | 113,1 | 112,8 | 112,5 | 112,2 | 111,9 | 109,2 | 108,9 | 108,6 | 108,3 | 108,0 | 3,9 | 3,6 | 3 |
| 4 | 150,8 | 150,4 | 150,0 | 149,6 | 149,2 | 145,6 | 145,2 | 144,8 | 144,4 | 144,0 | 5,2 | 4,8 | 4 |
| 5 | 188,5 | 188,0 | 187,5 | 187,0 | 186,5 | 182,0 | 181,5 | 181,0 | 180,5 | 180,0 | 6,5 | 6,0 | 5 |
| 6 | 226,2 | 225,6 | 225,0 | 224,4 | 223,8 | 218,4 | 217,8 | 217,2 | 216,6 | 216,0 | 7,8 | 7,2 | 6 |
| 7 | 263,9 | 263,2 | 262,5 | 261,8 | 261,1 | 254,8 | 254,1 | 253,4 | 252,7 | 252,0 | 9,1 | 8,4 | 7 |
| 8 | 301,6 | 300,8 | 300,0 | 299,2 | 298,4 | 291,2 | 290,4 | 289,6 | 288,8 | 288,0 | 10,4 | 9,6 | 8 |
| 9 | 339,3 | 338,4 | 337,5 | 336,6 | 335,7 | 327,6 | 326,7 | 325,8 | 324,9 | 324,0 | 11,7 | 10,8 | 9 |

| 11g | 361 | 374 | 374 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.26 | 9.27 | 0.72 | 9.99 | |
| 90 oo | *91348 | 67667 | 32333 | 23681 | 10 oo |
| 10 | *91708 | 68041 | 31959 | 23668 | 90 |
| 20 | *92069 | 68414 | 31586 | 23655 | 80 |
| 30 | *92430 | 68788 | 31212 | 23642 | 70 |
| 40 | *92790 | 69161 | 30839 | 23629 | 60 |
| 50 | *93151 | 69535 | 30465 | 23616 | 50 |
| 60 | *93511 | 69908 | 30092 | 23603 | 40 |
| 70 | *93872 | 70281 | 29719 | 23591 | 30 |
| 80 | *94232 | 70655 | 29345 | 23578 | 20 |
| 90 | *94593 | 71028 | 28972 | 23565 | 10 |
| 91 oo | *94953 | 71401 | 28599 | 23552 | 09 oo |
| 10 | *95314 | 71775 | 28225 | 23539 | 90 |
| 20 | *95674 | 72148 | 27852 | 23526 | 80 |
| 30 | *96034 | 72521 | 27479 | 23513 | 70 |
| 40 | *96394 | 72894 | 27106 | 23500 | 60 |
| 50 | *96755 | 73268 | 26732 | 23487 | 50 |
| 60 | *97115 | 73641 | 26359 | 23474 | 40 |
| 70 | *97475 | 74014 | 25986 | 23461 | 30 |
| 80 | *97835 | 74387 | 25613 | 23448 | 20 |
| 90 | *98195 | 74760 | 25240 | 23436 | 10 |
| 92 oo | *98555 | 75133 | 24867 | 23423 | 08 oo |
| 10 | *98916 | 75506 | 24494 | 23410 | 90 |
| 20 | *99276 | 75879 | 24121 | 23397 | 80 |
| 30 | *99636 | 76252 | 23748 | 23384 | 70 |
| 40 | *99996 | 76625 | 23375 | 23371 | 60 |
| 50 | 00355 | 76997 | 23003 | 23358 | 50 |
| 60 | 00715 | 77370 | 22630 | 23345 | 40 |
| 70 | 01075 | 77743 | 22257 | 23332 | 30 |
| 80 | 01435 | 78116 | 21884 | 23319 | 20 |
| 90 | 01795 | 78489 | 21511 | 23306 | 10 |
| 93 oo | 02155 | 78861 | 21139 | 23293 | 07 oo |
| 10 | 02514 | 79234 | 20766 | 23280 | 90 |
| 20 | 02874 | 79607 | 20393 | 23267 | 80 |
| 30 | 03234 | 79979 | 20021 | 23254 | 70 |
| 40 | 03593 | 80352 | 19648 | 23242 | 60 |
| 50 | 03953 | 80724 | 19276 | 23229 | 50 |
| 60 | 04313 | 81097 | 18903 | 23216 | 40 |
| 70 | 04672 | 81470 | 18530 | 23203 | 30 |
| 80 | 05032 | 81842 | 18158 | 23190 | 20 |
| 90 | 05391 | 82214 | 17786 | 23177 | 10 |
| 94 oo | 05751 | 82587 | 17413 | 23164 | 06 oo |
| 10 | 06110 | 82959 | 17041 | 23151 | 90 |
| 20 | 06470 | 83332 | 16668 | 23138 | 80 |
| 30 | 06829 | 83704 | 16296 | 23125 | 70 |
| 40 | 07188 | 84076 | 15924 | 23112 | 60 |
| 50 | 07548 | 84449 | 15551 | 23099 | 50 |
| 60 | 07907 | 84821 | 15179 | 23086 | 40 |
| 70 | 08266 | 85193 | 14807 | 23073 | 30 |
| 80 | 08625 | 85565 | 14435 | 23060 | 20 |
| 90 | 08985 | 85937 | 14063 | 23047 | 10 |
| 95 oo | 09344 | 86309 | 13691 | 23034 | 05 oo |
| | 9.27 | 9.27 | 0.72 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 359 | 372 | 372 | 13 | 88g |

| 11g | 359 | 373 | 373 | 12 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 9.27 | 9.27 | 0.72 | 9.99 | |
| 95 oo | 09344 | 86309 | 13691 | 23034 | 05 oo |
| 10 | 09703 | 86682 | 13318 | 23021 | 90 |
| 20 | 10062 | 87054 | 12946 | 23008 | 80 |
| 30 | 10421 | 87426 | 12574 | 22995 | 70 |
| 40 | 10780 | 87798 | 12202 | 22983 | 60 |
| 50 | 11139 | 88170 | 11830 | 22970 | 50 |
| 60 | 11498 | 88542 | 11458 | 22957 | 40 |
| 70 | 11857 | 88913 | 11087 | 22944 | 30 |
| 80 | 12216 | 89285 | 10715 | 22931 | 20 |
| 90 | 12575 | 89657 | 10343 | 22918 | 10 |
| 96 oo | 12934 | 90029 | 09971 | 22905 | 04 oo |
| 10 | 13293 | 90401 | 09599 | 22892 | 90 |
| 20 | 13651 | 90773 | 09227 | 22879 | 80 |
| 30 | 14010 | 91144 | 08856 | 22866 | 70 |
| 40 | 14369 | 91516 | 08484 | 22853 | 60 |
| 50 | 14728 | 91888 | 08112 | 22840 | 50 |
| 60 | 15086 | 92259 | 07741 | 22827 | 40 |
| 70 | 15445 | 92631 | 07369 | 22814 | 30 |
| 80 | 15803 | 93003 | 06997 | 22801 | 20 |
| 90 | 16162 | 93374 | 06626 | 22788 | 10 |
| 97 oo | 16521 | 93746 | 06254 | 22775 | 03 oo |
| 10 | 16879 | 94117 | 05883 | 22762 | 90 |
| 20 | 17238 | 94489 | 05511 | 22749 | 80 |
| 30 | 17596 | 94860 | 05140 | 22736 | 70 |
| 40 | 17954 | 95231 | 04769 | 22723 | 60 |
| 50 | 18313 | 95603 | 04397 | 22710 | 50 |
| 60 | 18671 | 95974 | 04026 | 22697 | 40 |
| 70 | 19030 | 96345 | 03655 | 22684 | 30 |
| 80 | 19388 | 96717 | 03283 | 22671 | 20 |
| 90 | 19746 | 97088 | 02912 | 22658 | 10 |
| 98 oo | 20104 | 97459 | 02541 | 22645 | 02 oo |
| 10 | 20463 | 97830 | 02170 | 22632 | 90 |
| 20 | 20821 | 98202 | 01798 | 22619 | 80 |
| 30 | 21179 | 98573 | 01427 | 22606 | 70 |
| 40 | 21537 | 98944 | 01056 | 22593 | 60 |
| 50 | 21895 | 99315 | 00685 | 22580 | 50 |
| 60 | 22253 | 99686 | 00314 | 22567 | 40 |
| 70 | 22611 | *00057 | *99943 | 22554 | 30 |
| 80 | 22969 | *00428 | *99572 | 22541 | 20 |
| 90 | 23327 | *00799 | *99201 | 22528 | 10 |
| 99 oo | 23685 | *01170 | *98830 | 22515 | 01 oo |
| 10 | 24043 | *01541 | *98459 | 22502 | 90 |
| 20 | 24401 | *01912 | *98088 | 22489 | 80 |
| 30 | 24759 | *02283 | *97717 | 22476 | 70 |
| 40 | 25117 | *02653 | *97347 | 22463 | 60 |
| 50 | 25474 | *03024 | *96976 | 22450 | 50 |
| 60 | 25832 | *03395 | *96605 | 22437 | 40 |
| 70 | 26190 | *03766 | *96234 | 22424 | 30 |
| 80 | 26548 | *04136 | *95864 | 22411 | 20 |
| 90 | 26905 | *04507 | *95493 | 22398 | 10 |
| 100 oo | 27263 | *04878 | *95122 | 22385 | 00 oo |
| | 9.27 | *9.28 | *0.71 | 9.99 | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 357 | 370 | 370 | 13 | 88g |

| | 374 | 373 | 372 | 371 | 370 | 361 | 360 | 359 | 358 | 357 | 13 | 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 37,4 | 37,3 | 37,2 | 37,1 | 37,0 | 36,1 | 36,0 | 35,9 | 35,8 | 35,7 | 1,3 | 1,2 | 1 |
| 2 | 74,8 | 74,6 | 74,4 | 74,2 | 74,0 | 72,2 | 72,0 | 71,8 | 71,6 | 71,4 | 2,6 | 2,4 | 2 |
| 3 | 112,2 | 111,9 | 111,6 | 111,3 | 111,0 | 108,3 | 108,0 | 107,7 | 107,4 | 107,1 | 3,9 | 3,6 | 3 |
| 4 | 149,6 | 149,2 | 148,8 | 148,4 | 148,0 | 144,4 | 144,0 | 143,6 | 143,2 | 142,8 | 5,2 | 4,8 | 4 |
| 5 | 187,0 | 186,5 | 186,0 | 185,5 | 185,0 | 180,5 | 180,0 | 179,5 | 179,0 | 178,5 | 6,5 | 6,0 | 5 |
| 6 | 224,4 | 223,8 | 223,2 | 222,6 | 222,0 | 216,6 | 216,0 | 215,4 | 214,8 | 214,2 | 7,8 | 7,2 | 6 |
| 7 | 261,8 | 261,1 | 260,4 | 259,7 | 259,0 | 252,7 | 252,0 | 251,3 | 250,6 | 249,9 | 9,1 | 8,4 | 7 |
| 8 | 299,2 | 298,4 | 297,6 | 296,8 | 296,0 | 288,8 | 288,0 | 287,2 | 286,4 | 285,6 | 10,4 | 9,6 | 8 |
| 9 | 336,6 | 335,7 | 334,8 | 333,9 | 333,0 | 324,9 | 324,0 | 323,1 | 322,2 | 321,3 | 11,7 | 10,8 | 9 |

| 12g | 358 | 371 | 371 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.27** | **9.28** | **0.71** | **9.99** | |
| **00 oo** | 27263 | 04878 | 95122 | 22385 | **100 oo** |
| 10 | 27620 | 05248 | 94752 | 22372 | 90 |
| 20 | 27978 | 05619 | 94381 | 22359 | 80 |
| 30 | 28336 | 05989 | 94011 | 22346 | 70 |
| 40 | 28693 | 06360 | 93640 | 22333 | 60 |
| 50 | 29051 | 06731 | 93269 | 22320 | 50 |
| 60 | 29408 | 07101 | 92899 | 22307 | 40 |
| 70 | 29765 | 07471 | 92529 | 22294 | 30 |
| 80 | 30123 | 07842 | 92158 | 22281 | 20 |
| 90 | 30480 | 08212 | 91788 | 22268 | 10 |
| **01 oo** | 30837 | 08583 | 91417 | 22255 | **99 oo** |
| 10 | 31195 | 08953 | 91047 | 22242 | 90 |
| 20 | 31552 | 09323 | 90677 | 22229 | 80 |
| 30 | 31909 | 09693 | 90307 | 22216 | 70 |
| 40 | 32266 | 10064 | 89936 | 22203 | 60 |
| 50 | 32624 | 10434 | 89566 | 22190 | 50 |
| 60 | 32981 | 10804 | 89196 | 22177 | 40 |
| 70 | 33338 | 11174 | 88826 | 22164 | 30 |
| 80 | 33695 | 11544 | 88456 | 22151 | 20 |
| 90 | 34052 | 11914 | 88086 | 22138 | 10 |
| **02 oo** | 34409 | 12284 | 87716 | 22125 | **98 oo** |
| 10 | 34766 | 12654 | 87346 | 22112 | 90 |
| 20 | 35123 | 13024 | 86976 | 22099 | 80 |
| 30 | 35480 | 13394 | 86606 | 22085 | 70 |
| 40 | 35837 | 13764 | 86236 | 22072 | 60 |
| 50 | 36194 | 14134 | 85866 | 22059 | 50 |
| 60 | 36551 | 14504 | 85496 | 22046 | 40 |
| 70 | 36907 | 14874 | 85126 | 22033 | 30 |
| 80 | 37264 | 15244 | 84756 | 22020 | 20 |
| 90 | 37621 | 15614 | 84386 | 22007 | 10 |
| **03 oo** | 37978 | 15983 | 84017 | 21994 | **97 oo** |
| 10 | 38334 | 16353 | 83647 | 21981 | 90 |
| 20 | 38691 | 16723 | 83277 | 21968 | 80 |
| 30 | 39048 | 17093 | 82907 | 21955 | 70 |
| 40 | 39404 | 17462 | 82538 | 21942 | 60 |
| 50 | 39761 | 17832 | 82168 | 21929 | 50 |
| 60 | 40117 | 18201 | 81799 | 21916 | 40 |
| 70 | 40474 | 18571 | 81429 | 21903 | 30 |
| 80 | 40830 | 18940 | 81060 | 21890 | 20 |
| 90 | 41187 | 19310 | 80690 | 21877 | 10 |
| **04 oo** | 41543 | 19679 | 80321 | 21864 | **96 oo** |
| 10 | 41899 | 20049 | 79951 | 21851 | 90 |
| 20 | 42256 | 20418 | 79582 | 21838 | 80 |
| 30 | 42612 | 20788 | 79212 | 21824 | 70 |
| 40 | 42968 | 21157 | 78843 | 21811 | 60 |
| 50 | 43325 | 21526 | 78474 | 21798 | 50 |
| 60 | 43681 | 21896 | 78104 | 21785 | 40 |
| 70 | 44037 | 22265 | 77735 | 21772 | 30 |
| 80 | 44393 | 22634 | 77366 | 21759 | 20 |
| 90 | 44749 | 23003 | 76997 | 21746 | 10 |
| **05 oo** | 45106 | 23373 | 76627 | 21733 | **95 oo** |
| | **9.27** | **9.28** | **0.71** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 356 | 369 | 369 | 14 | |

87g

| 12g | 356 | 369 | 369 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.27** | **9.28** | **0.71** | **9.99** | |
| **05 oo** | 45106 | 23373 | 76627 | 21733 | **95 oo** |
| 10 | 45462 | 23742 | 76258 | 21720 | 90 |
| 20 | 45818 | 24111 | 75889 | 21707 | 80 |
| 30 | 46174 | 24480 | 75520 | 21694 | 70 |
| 40 | 46530 | 24849 | 75151 | 21681 | 60 |
| 50 | 46886 | 25218 | 74782 | 21668 | 50 |
| 60 | 47242 | 25587 | 74413 | 21655 | 40 |
| 70 | 47597 | 25956 | 74044 | 21642 | 30 |
| 80 | 47953 | 26325 | 73675 | 21628 | 20 |
| 90 | 48309 | 26694 | 73306 | 21615 | 10 |
| **06 oo** | 48665 | 27063 | 72937 | 21602 | **94 oo** |
| 10 | 49021 | 27432 | 72568 | 21589 | 90 |
| 20 | 49377 | 27800 | 72200 | 21576 | 80 |
| 30 | 49732 | 28169 | 71831 | 21563 | 70 |
| 40 | 50088 | 28538 | 71462 | 21550 | 60 |
| 50 | 50444 | 28907 | 71093 | 21537 | 50 |
| 60 | 50799 | 29275 | 70725 | 21524 | 40 |
| 70 | 51155 | 29644 | 70356 | 21511 | 30 |
| 80 | 51510 | 30013 | 69987 | 21498 | 20 |
| 90 | 51866 | 30381 | 69619 | 21485 | 10 |
| **07 oo** | 52221 | 30750 | 69250 | 21471 | **93 oo** |
| 10 | 52577 | 31119 | 68881 | 21458 | 90 |
| 20 | 52932 | 31487 | 68513 | 21445 | 80 |
| 30 | 53288 | 31856 | 68144 | 21432 | 70 |
| 40 | 53643 | 32224 | 67776 | 21419 | 60 |
| 50 | 53998 | 32593 | 67407 | 21406 | 50 |
| 60 | 54354 | 32961 | 67039 | 21393 | 40 |
| 70 | 54709 | 33329 | 66671 | 21380 | 30 |
| 80 | 55064 | 33698 | 66302 | 21367 | 20 |
| 90 | 55420 | 34066 | 65934 | 21354 | 10 |
| **08 oo** | 55775 | 34434 | 65566 | 21340 | **92 oo** |
| 10 | 56130 | 34803 | 65197 | 21327 | 90 |
| 20 | 56485 | 35171 | 64829 | 21314 | 80 |
| 30 | 56840 | 35539 | 64461 | 21301 | 70 |
| 40 | 57195 | 35907 | 64093 | 21288 | 60 |
| 50 | 57550 | 36275 | 63725 | 21275 | 50 |
| 60 | 57905 | 36644 | 63356 | 21262 | 40 |
| 70 | 58260 | 37012 | 62988 | 21249 | 30 |
| 80 | 58615 | 37380 | 62620 | 21236 | 20 |
| 90 | 58970 | 37748 | 62252 | 21222 | 10 |
| **09 oo** | 59325 | 38116 | 61884 | 21209 | **91 oo** |
| 10 | 59680 | 38484 | 61516 | 21196 | 90 |
| 20 | 60035 | 38852 | 61148 | 21183 | 80 |
| 30 | 60390 | 39220 | 60780 | 21170 | 70 |
| 40 | 60745 | 39588 | 60412 | 21157 | 60 |
| 50 | 61099 | 39956 | 60044 | 21144 | 50 |
| 60 | 61454 | 40323 | 59677 | 21131 | 40 |
| 70 | 61809 | 40691 | 59309 | 21118 | 30 |
| 80 | 62163 | 41059 | 58941 | 21104 | 20 |
| 90 | 62518 | 41427 | 58573 | 21091 | 10 |
| **10 oo** | 62873 | 41794 | 58206 | 21078 | **90 oo** |
| | **9.27** | **9.28** | **0.71** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 354 | 367 | 367 | 14 | |

87g

| | 371 | 370 | 369 | 368 | 367 | 358 | 357 | 356 | 355 | 354 | 14 | 13 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 37,1 | 37,0 | 36,9 | 36,8 | 36,7 | 35,8 | 35,7 | 35,6 | 35,5 | 35,4 | 1,4 | 1,3 | 1 |
| 2 | 74,2 | 74,0 | 73,8 | 73,6 | 73,4 | 71,6 | 71,4 | 71,2 | 71,0 | 70,8 | 2,8 | 2,6 | 2 |
| 3 | 111,3 | 111,0 | 110,7 | 110,4 | 110,1 | 107,4 | 107,1 | 106,8 | 106,5 | 106,2 | 4,2 | 3,9 | 3 |
| 4 | 148,4 | 148,0 | 147,6 | 147,2 | 146,8 | 143,2 | 142,8 | 142,4 | 142,0 | 141,6 | 5,6 | 5,2 | 4 |
| 5 | 185,5 | 185,0 | 184,5 | 184,0 | 183,5 | 179,0 | 178,5 | 178,0 | 177,5 | 177,0 | 7,0 | 6,5 | 5 |
| 6 | 222,6 | 222,0 | 221,4 | 220,8 | 220,2 | 214,8 | 214,2 | 213,6 | 213,0 | 212,4 | 8,4 | 7,8 | 6 |
| 7 | 259,7 | 259,0 | 258,3 | 257,6 | 256,9 | 250,6 | 249,9 | 249,2 | 248,5 | 247,8 | 9,8 | 9,1 | 7 |
| 8 | 296,8 | 296,0 | 295,2 | 294,4 | 293,6 | 286,4 | 285,6 | 284,8 | 284,0 | 283,2 | 11,2 | 10,4 | 8 |
| 9 | 333,9 | 333,0 | 332,1 | 331,2 | 330,3 | 322,2 | 321,3 | 320,4 | 319,5 | 318,6 | 12,6 | 11,7 | 9 |

| 12g | 355 | 368 | 368 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.27** | **9.28** | **0.71** | **9.99** | |
| **10 oo** | 62873 | 41794 | 58206 | 21078 | **90 oo** |
| 10 | 63227 | 42162 | 57838 | 21065 | 90 |
| 20 | 63582 | 42530 | 57470 | 21052 | 80 |
| 30 | 63936 | 42897 | 57103 | 21039 | 70 |
| 40 | 64291 | 43265 | 56735 | 21026 | 60 |
| 50 | 64645 | 43633 | 56367 | 21013 | 50 |
| 60 | 65000 | 44000 | 56000 | 20999 | 40 |
| 70 | 65354 | 44368 | 55632 | 20986 | 30 |
| 80 | 65708 | 44735 | 55265 | 20973 | 20 |
| 90 | 66063 | 45103 | 54897 | 20960 | 10 |
| **11 oo** | 66417 | 45470 | 54530 | 20947 | **89 oo** |
| 10 | 66771 | 45838 | 54162 | 20934 | 90 |
| 20 | 67126 | 46205 | 53795 | 20921 | 80 |
| 30 | 67480 | 46572 | 53428 | 20907 | 70 |
| 40 | 67834 | 46940 | 53060 | 20894 | 60 |
| 50 | 68188 | 47307 | 52693 | 20881 | 50 |
| 60 | 68542 | 47674 | 52326 | 20868 | 40 |
| 70 | 68896 | 48041 | 51959 | 20855 | 30 |
| 80 | 69250 | 48409 | 51591 | 20842 | 20 |
| 90 | 69604 | 48776 | 51224 | 20829 | 10 |
| **12 oo** | 69958 | 49143 | 50857 | 20815 | **88 oo** |
| 10 | 70312 | 49510 | 50490 | 20802 | 90 |
| 20 | 70666 | 49877 | 50123 | 20789 | 80 |
| 30 | 71020 | 50244 | 49756 | 20776 | 70 |
| 40 | 71374 | 50611 | 49389 | 20763 | 60 |
| 50 | 71728 | 50978 | 49022 | 20750 | 50 |
| 60 | 72082 | 51345 | 48655 | 20737 | 40 |
| 70 | 72436 | 51712 | 48288 | 20723 | 30 |
| 80 | 72789 | 52079 | 47921 | 20710 | 20 |
| 90 | 73143 | 52446 | 47554 | 20697 | 10 |
| **13 oo** | 73497 | 52813 | 47187 | 20684 | **87 oo** |
| 10 | 73850 | 53180 | 46820 | 20671 | 90 |
| 20 | 74204 | 53546 | 46454 | 20658 | 80 |
| 30 | 74558 | 53913 | 46087 | 20644 | 70 |
| 40 | 74911 | 54280 | 45720 | 20631 | 60 |
| 50 | 75265 | 54647 | 45353 | 20618 | 50 |
| 60 | 75618 | 55013 | 44987 | 20605 | 40 |
| 70 | 75972 | 55380 | 44620 | 20592 | 30 |
| 80 | 76325 | 55747 | 44253 | 20579 | 20 |
| 90 | 76679 | 56113 | 43887 | 20565 | 10 |
| **14 oo** | 77032 | 56480 | 43520 | 20552 | **86 oo** |
| 10 | 77386 | 56846 | 43154 | 20539 | 90 |
| 20 | 77739 | 57213 | 42787 | 20526 | 80 |
| 30 | 78092 | 57579 | 42421 | 20513 | 70 |
| 40 | 78446 | 57946 | 42054 | 20500 | 60 |
| 50 | 78799 | 58312 | 41688 | 20486 | 50 |
| 60 | 79152 | 58679 | 41321 | 20473 | 40 |
| 70 | 79505 | 59045 | 40955 | 20460 | 30 |
| 80 | 79858 | 59411 | 40589 | 20447 | 20 |
| 90 | 80212 | 59778 | 40222 | 20434 | 10 |
| **15 oo** | 80565 | 60144 | 39856 | 20421 | **85 oo** |
| | **9.27** | **9.28** | **0.71** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 87g |
| | 353 | 366 | 366 | 14 | |

| 12g | 353 | 367 | 367 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.27** | **9.28** | **0.71** | **9.99** | |
| **15 oo** | 80565 | 60144 | 39856 | 20421 | **85 oo** |
| 10 | 80918 | 60510 | 39490 | 20407 | 90 |
| 20 | 81271 | 60877 | 39123 | 20394 | 80 |
| 30 | 81624 | 61243 | 38757 | 20381 | 70 |
| 40 | 81977 | 61609 | 38391 | 20368 | 60 |
| 50 | 82330 | 61975 | 38025 | 20355 | 50 |
| 60 | 82683 | 62341 | 37659 | 20341 | 40 |
| 70 | 83036 | 62707 | 37293 | 20328 | 30 |
| 80 | 83388 | 63073 | 36927 | 20315 | 20 |
| 90 | 83741 | 63439 | 36561 | 20302 | 10 |
| **16 oo** | 84094 | 63805 | 36195 | 20289 | **84 oo** |
| 10 | 84447 | 64171 | 35829 | 20276 | 90 |
| 20 | 84800 | 64537 | 35463 | 20262 | 80 |
| 30 | 85152 | 64903 | 35097 | 20249 | 70 |
| 40 | 85505 | 65269 | 34731 | 20236 | 60 |
| 50 | 85858 | 65635 | 34365 | 20223 | 50 |
| 60 | 86210 | 66001 | 33999 | 20210 | 40 |
| 70 | 86563 | 66367 | 33633 | 20196 | 30 |
| 80 | 86915 | 66732 | 33268 | 20183 | 20 |
| 90 | 87268 | 67098 | 32902 | 20170 | 10 |
| **17 oo** | 87621 | 67464 | 32536 | 20157 | **83 oo** |
| 10 | 87973 | 67829 | 32171 | 20144 | 90 |
| 20 | 88325 | 68195 | 31805 | 20130 | 80 |
| 30 | 88678 | 68561 | 31439 | 20117 | 70 |
| 40 | 89030 | 68926 | 31074 | 20104 | 60 |
| 50 | 89383 | 69292 | 30708 | 20091 | 50 |
| 60 | 89735 | 69657 | 30343 | 20078 | 40 |
| 70 | 90087 | 70023 | 29977 | 20064 | 30 |
| 80 | 90440 | 70388 | 29612 | 20051 | 20 |
| 90 | 90792 | 70754 | 29246 | 20038 | 10 |
| **18 oo** | 91144 | 71119 | 28881 | 20025 | **82 oo** |
| 10 | 91496 | 71485 | 28515 | 20011 | 90 |
| 20 | 91848 | 71850 | 28150 | 19998 | 80 |
| 30 | 92201 | 72216 | 27784 | 19985 | 70 |
| 40 | 92553 | 72581 | 27419 | 19972 | 60 |
| 50 | 92905 | 72946 | 27054 | 19959 | 50 |
| 60 | 93257 | 73311 | 26689 | 19945 | 40 |
| 70 | 93609 | 73677 | 26323 | 19932 | 30 |
| 80 | 93961 | 74042 | 25958 | 19919 | 20 |
| 90 | 94313 | 74407 | 25593 | 19906 | 10 |
| **19 oo** | 94665 | 74772 | 25228 | 19892 | **81 oo** |
| 10 | 95016 | 75137 | 24863 | 19879 | 90 |
| 20 | 95368 | 75502 | 24498 | 19866 | 80 |
| 30 | 95720 | 75867 | 24133 | 19853 | 70 |
| 40 | 96072 | 76232 | 23768 | 19840 | 60 |
| 50 | 96424 | 76597 | 23403 | 19826 | 50 |
| 60 | 96775 | 76962 | 23038 | 19813 | 40 |
| 70 | 97127 | 77327 | 22673 | 19800 | 30 |
| 80 | 97479 | 77692 | 22308 | 19787 | 20 |
| 90 | 97831 | 78057 | 21943 | 19773 | 10 |
| **20 oo** | 98182 | 78422 | 21578 | 19760 | **80 oo** |
| | **9.27** | **9.28** | **0.71** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 87g |
| | 351 | 365 | 365 | 14 | |

| | 368 | 367 | 366 | 365 | 355 | 354 | 353 | 352 | 351 | 14 | 13 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 36,8 | 36,7 | 36,6 | 36,5 | 35,5 | 35,4 | 35,3 | 35,2 | 35,1 | 1,4 | 1,3 | 1 |
| 2 | 73,6 | 73,4 | 73,2 | 73,0 | 71,0 | 70,8 | 70,6 | 70,4 | 70,2 | 2,8 | 2,6 | 2 |
| 3 | 110,4 | 110,1 | 109,8 | 109,5 | 106,5 | 106,2 | 105,9 | 105,6 | 105,3 | 4,2 | 3,9 | 3 |
| 4 | 147,2 | 146,8 | 146,4 | 146,0 | 142,0 | 141,6 | 141,2 | 140,8 | 140,4 | 5,6 | 5,2 | 4 |
| 5 | 184,0 | 183,5 | 183,0 | 182,5 | 177,5 | 177,0 | 176,5 | 176,0 | 175,5 | 7,0 | 6,5 | 5 |
| 6 | 220,8 | 220,2 | 219,6 | 219,0 | 213,0 | 212,4 | 211,8 | 211,2 | 210,6 | 8,4 | 7,8 | 6 |
| 7 | 257,6 | 256,9 | 256,2 | 255,5 | 248,5 | 247,8 | 247,1 | 246,4 | 245,7 | 9,8 | 9,1 | 7 |
| 8 | 294,4 | 293,6 | 292,8 | 292,0 | 284,0 | 283,2 | 282,4 | 281,6 | 280,8 | 11,2 | 10,4 | 8 |
| 9 | 331,2 | 330,3 | 329,4 | 328,5 | 319,5 | 318,6 | 317,7 | 316,8 | 315,9 | 12,6 | 11,7 | 9 |

| 12g | 352 | 365 | 365 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.27 | 9.28 | 0.71 | 9.99 | |
| **20 00** | *98182 | 78422 | 21578 | 19760 | **80 00** |
| 10 | *98534 | 78787 | 21213 | 19747 | 90 |
| 20 | *98885 | 79152 | 20848 | 19734 | 80 |
| 30 | *99237 | 79516 | 20484 | 19720 | 70 |
| 40 | *99588 | 79881 | 20119 | 19707 | 60 |
| 50 | *99940 | 80246 | 19754 | 19694 | 50 |
| 60 | 00291 | 80611 | 19389 | 19681 | 40 |
| 70 | 00643 | 80975 | 19025 | 19667 | 30 |
| 80 | 00994 | 81340 | 18660 | 19654 | 20 |
| 90 | 01345 | 81704 | 18296 | 19641 | 10 |
| **21 00** | 01697 | 82069 | 17931 | 19628 | **79 00** |
| 10 | 02048 | 82434 | 17566 | 19615 | 90 |
| 20 | 02399 | 82798 | 17202 | 19601 | 80 |
| 30 | 02751 | 83163 | 16837 | 19588 | 70 |
| 40 | 03102 | 83527 | 16473 | 19575 | 60 |
| 50 | 03453 | 83891 | 16109 | 19562 | 50 |
| 60 | 03804 | 84256 | 15744 | 19548 | 40 |
| 70 | 04155 | 84620 | 15380 | 19535 | 30 |
| 80 | 04506 | 84985 | 15015 | 19522 | 20 |
| 90 | 04857 | 85349 | 14651 | 19508 | 10 |
| **22 00** | 05208 | 85713 | 14287 | 19495 | **78 00** |
| 10 | 05559 | 86078 | 13922 | 19482 | 90 |
| 20 | 05910 | 86442 | 13558 | 19469 | 80 |
| 30 | 06261 | 86806 | 13194 | 19455 | 70 |
| 40 | 06612 | 87170 | 12830 | 19442 | 60 |
| 50 | 06963 | 87534 | 12466 | 19429 | 50 |
| 60 | 07314 | 87898 | 12102 | 19416 | 40 |
| 70 | 07665 | 88263 | 11737 | 19402 | 30 |
| 80 | 08016 | 88627 | 11373 | 19389 | 20 |
| 90 | 08366 | 88991 | 11009 | 19376 | 10 |
| **23 00** | 08717 | 89355 | 10645 | 19363 | **77 00** |
| 10 | 09068 | 89719 | 10281 | 19349 | 90 |
| 20 | 09419 | 90083 | 09917 | 19336 | 80 |
| 30 | 09769 | 90446 | 09554 | 19323 | 70 |
| 40 | 10120 | 90810 | 09190 | 19310 | 60 |
| 50 | 10470 | 91174 | 08826 | 19296 | 50 |
| 60 | 10821 | 91538 | 08462 | 19283 | 40 |
| 70 | 11172 | 91902 | 08098 | 19270 | 30 |
| 80 | 11522 | 92266 | 07734 | 19256 | 20 |
| 90 | 11873 | 92629 | 07371 | 19243 | 10 |
| **24 00** | 12223 | 92993 | 07007 | 19230 | **76 00** |
| 10 | 12573 | 93357 | 06643 | 19217 | 90 |
| 20 | 12924 | 93721 | 06279 | 19203 | 80 |
| 30 | 13274 | 94084 | 05916 | 19190 | 70 |
| 40 | 13625 | 94448 | 05552 | 19177 | 60 |
| 50 | 13975 | 94811 | 05189 | 19163 | 50 |
| 60 | 14325 | 95175 | 04825 | 19150 | 40 |
| 70 | 14675 | 95538 | 04462 | 19137 | 30 |
| 80 | 15026 | 95902 | 04098 | 19124 | 20 |
| 90 | 15376 | 96265 | 03735 | 19110 | 10 |
| **25 00** | 15726 | 96629 | 03371 | 19097 | **75 00** |
| | **9.28** | **9.28** | **0.71** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $87^g$ |
| | 350 | 363 | 363 | 14 | |

| 12g | 350 | 364 | 364 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 9.28 | *9.28 | *0.71 | 9.99 | |
| **25 00** | 15726 | *96629 | *03371 | 19097 | **75 00** |
| 10 | 16076 | *96992 | *03008 | 19084 | 90 |
| 20 | 16426 | *97356 | *02644 | 19070 | 80 |
| 30 | 16776 | *97719 | *02281 | 19057 | 70 |
| 40 | 17126 | *98082 | *01918 | 19044 | 60 |
| 50 | 17476 | *98446 | *01554 | 19031 | 50 |
| 60 | 17826 | *98809 | *01191 | 19017 | 40 |
| 70 | 18176 | *99172 | *00828 | 19004 | 30 |
| 80 | 18526 | *99535 | *00465 | 18991 | 20 |
| 90 | 18876 | *99899 | *00101 | 18977 | 10 |
| **26 00** | 19226 | 00262 | 99738 | 18964 | **74 00** |
| 10 | 19576 | 00625 | 99375 | 18951 | 90 |
| 20 | 19925 | 00988 | 99012 | 18937 | 80 |
| 30 | 20275 | 01351 | 98649 | 18924 | 70 |
| 40 | 20625 | 01714 | 98286 | 18911 | 60 |
| 50 | 20975 | 02077 | 97923 | 18897 | 50 |
| 60 | 21324 | 02440 | 97560 | 18884 | 40 |
| 70 | 21674 | 02803 | 97197 | 18871 | 30 |
| 80 | 22024 | 03166 | 96834 | 18858 | 20 |
| 90 | 22373 | 03529 | 96471 | 18844 | 10 |
| **27 00** | 22723 | 03892 | 96108 | 18831 | **73 00** |
| 10 | 23072 | 04255 | 95745 | 18818 | 90 |
| 20 | 23422 | 04618 | 95382 | 18804 | 80 |
| 30 | 23771 | 04980 | 95020 | 18791 | 70 |
| 40 | 24121 | 05343 | 94657 | 18778 | 60 |
| 50 | 24470 | 05706 | 94294 | 18764 | 50 |
| 60 | 24820 | 06069 | 93931 | 18751 | 40 |
| 70 | 25169 | 06431 | 93569 | 18738 | 30 |
| 80 | 25518 | 06794 | 93206 | 18724 | 20 |
| 90 | 25868 | 07157 | 92843 | 18711 | 10 |
| **28 00** | 26217 | 07519 | 92481 | 18698 | **72 00** |
| 10 | 26566 | 07882 | 92118 | 18684 | 90 |
| 20 | 26915 | 08244 | 91756 | 18671 | 80 |
| 30 | 27265 | 08607 | 91393 | 18658 | 70 |
| 40 | 27614 | 08969 | 91031 | 18644 | 60 |
| 50 | 27963 | 09332 | 90668 | 18631 | 50 |
| 60 | 28312 | 09694 | 90306 | 18618 | 40 |
| 70 | 28661 | 10057 | 89943 | 18604 | 30 |
| 80 | 29010 | 10419 | 89581 | 18591 | 20 |
| 90 | 29359 | 10781 | 89219 | 18578 | 10 |
| **29 00** | 29708 | 11144 | 88856 | 18564 | **71 00** |
| 10 | 30057 | 11506 | 88494 | 18551 | 90 |
| 20 | 30406 | 11868 | 88132 | 18538 | 80 |
| 30 | 30755 | 12230 | 87770 | 18524 | 70 |
| 40 | 31104 | 12593 | 87407 | 18511 | 60 |
| 50 | 31453 | 12955 | 87045 | 18498 | 50 |
| 60 | 31801 | 13317 | 86683 | 18484 | 40 |
| 70 | 32150 | 13679 | 86321 | 18471 | 30 |
| 80 | 32499 | 14041 | 85959 | 18458 | 20 |
| 90 | 32848 | 14403 | 85597 | 18444 | 10 |
| **30 00** | 33196 | 14765 | 85235 | 18431 | **70 00** |
| | **9.28** | **9.29** | **0.70** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $87^g$ |
| | 348 | 362 | 362 | 14 | |

| | 365 | 364 | 363 | 362 | 352 | 351 | 350 | 349 | 348 | 14 | 13 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 36,5 | 36,4 | 36,3 | 36,2 | 35,2 | 35,1 | 35,0 | 34,9 | 34,8 | 1,4 | 1,3 | 1 |
| 2 | 73,0 | 72,8 | 72,6 | 72,4 | 70,4 | 70,2 | 70,0 | 69,8 | 69,6 | 2,8 | 2,6 | 2 |
| 3 | 109,5 | 109,2 | 108,9 | 108,6 | 105,6 | 105,3 | 105,0 | 104,7 | 104,4 | 4,2 | 3,9 | 3 |
| 4 | 146,0 | 145,6 | 145,2 | 144,8 | 140,8 | 140,4 | 140,0 | 139,6 | 139,2 | 5,6 | 5,2 | 4 |
| 5 | 182,5 | 182,0 | 181,5 | 181,0 | 176,0 | 175,5 | 175,0 | 174,5 | 174,0 | 7,0 | 6,5 | 5 |
| 6 | 219,0 | 218,4 | 217,8 | 217,2 | 211,2 | 210,6 | 210,0 | 209,4 | 208,8 | 8,4 | 7,8 | 6 |
| 7 | 255,5 | 254,8 | 254,1 | 253,4 | 246,4 | 245,7 | 245,0 | 244,3 | 243,6 | 9,8 | 9,1 | 7 |
| 8 | 292,0 | 291,2 | 290,4 | 289,6 | 281,6 | 280,8 | 280,0 | 279,2 | 278,4 | 11,2 | 10,4 | 8 |
| 9 | 328,5 | 327,6 | 326,7 | 325,8 | 316,8 | 315,9 | 315,0 | 314,1 | 313,2 | 12,6 | 11,7 | 9 |

| 12g | 349 | 362 | 362 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.28** | **9.29** | **0.70** | **9.99** | |
| **30 oo** | 33196 | 14765 | 85235 | 18431 | **70 oo** |
| 10 | 33545 | 15127 | 84873 | 18418 | 90 |
| 20 | 33894 | 15489 | 84511 | 18404 | 80 |
| 30 | 34242 | 15851 | 84149 | 18391 | 70 |
| 40 | 34591 | 16213 | 83787 | 18378 | 60 |
| 50 | 34939 | 16575 | 83425 | 18364 | 50 |
| 60 | 35288 | 16937 | 83063 | 18351 | 40 |
| 70 | 35636 | 17299 | 82701 | 18338 | 30 |
| 80 | 35985 | 17661 | 82339 | 18324 | 20 |
| 90 | 36333 | 18022 | 81978 | 18311 | 10 |
| **31 oo** | 36682 | 18384 | 81616 | 18298 | **69 oo** |
| 10 | 37030 | 18746 | 81254 | 18284 | 90 |
| 20 | 37378 | 19108 | 80892 | 18271 | 80 |
| 30 | 37727 | 19469 | 80531 | 18257 | 70 |
| 40 | 38075 | 19831 | 80169 | 18244 | 60 |
| 50 | 38423 | 20193 | 79807 | 18231 | 50 |
| 60 | 38771 | 20554 | 79446 | 18217 | 40 |
| 70 | 39120 | 20916 | 79084 | 18204 | 30 |
| 80 | 39468 | 21277 | 78723 | 18191 | 20 |
| 90 | 39816 | 21639 | 78361 | 18177 | 10 |
| **32 oo** | 40164 | 22000 | 78000 | 18164 | **68 oo** |
| 10 | 40512 | 22362 | 77638 | 18151 | 90 |
| 20 | 40860 | 22723 | 77277 | 18137 | 80 |
| 30 | 41208 | 23085 | 76915 | 18124 | 70 |
| 40 | 41556 | 23446 | 76554 | 18110 | 60 |
| 50 | 41904 | 23807 | 76193 | 18097 | 50 |
| 60 | 42252 | 24169 | 75831 | 18084 | 40 |
| 70 | 42600 | 24530 | 75470 | 18070 | 30 |
| 80 | 42948 | 24891 | 75109 | 18057 | 20 |
| 90 | 43296 | 25252 | 74748 | 18044 | 10 |
| **33 oo** | 43644 | 25614 | 74386 | 18030 | **67 oo** |
| 10 | 43991 | 25975 | 74025 | 18017 | 90 |
| 20 | 44339 | 26336 | 73664 | 18003 | 80 |
| 30 | 44687 | 26697 | 73303 | 17990 | 70 |
| 40 | 45035 | 27058 | 72942 | 17977 | 60 |
| 50 | 45382 | 27419 | 72581 | 17963 | 50 |
| 60 | 45730 | 27780 | 72220 | 17950 | 40 |
| 70 | 46078 | 28141 | 71859 | 17936 | 30 |
| 80 | 46425 | 28502 | 71498 | 17923 | 20 |
| 90 | 46773 | 28863 | 71137 | 17910 | 10 |
| **34 oo** | 47120 | 29224 | 70776 | 17896 | **66 oo** |
| 10 | 47468 | 29585 | 70415 | 17883 | 90 |
| 20 | 47815 | 29946 | 70054 | 17869 | 80 |
| 30 | 48163 | 30307 | 69693 | 17856 | 70 |
| 40 | 48510 | 30668 | 69332 | 17843 | 60 |
| 50 | 48858 | 31028 | 68972 | 17829 | 50 |
| 60 | 49205 | 31389 | 68611 | 17816 | 40 |
| 70 | 49552 | 31750 | 68250 | 17803 | 30 |
| 80 | 49900 | 32110 | 67890 | 17789 | 20 |
| 90 | 50247 | 32471 | 67529 | 17776 | 10 |
| **35 oo** | 50594 | 32832 | 67168 | 17762 | **65 oo** |
| | **9.28** | **9.29** | **0.70** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 87g |
| | 347 | 360 | 360 | 14 | |

| 12g | 348 | 361 | 361 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.28** | **9.29** | **0.70** | **9.99** | |
| **35 oo** | 50594 | 32832 | 67168 | 17762 | **65 oo** |
| 10 | 50941 | 33192 | 66808 | 17749 | 90 |
| 20 | 51289 | 33553 | 66447 | 17735 | 80 |
| 30 | 51636 | 33914 | 66086 | 17722 | 70 |
| 40 | 51983 | 34274 | 65726 | 17709 | 60 |
| 50 | 52330 | 34635 | 65365 | 17695 | 50 |
| 60 | 52677 | 34995 | 65005 | 17682 | 40 |
| 70 | 53024 | 35356 | 64644 | 17668 | 30 |
| 80 | 53371 | 35716 | 64284 | 17655 | 20 |
| 90 | 53718 | 36076 | 63924 | 17642 | 10 |
| **36 oo** | 54065 | 36437 | 63563 | 17628 | **64 oo** |
| 10 | 54412 | 36797 | 63203 | 17615 | 90 |
| 20 | 54759 | 37157 | 62843 | 17601 | 80 |
| 30 | 55106 | 37518 | 62482 | 17588 | 70 |
| 40 | 55453 | 37878 | 62122 | 17575 | 60 |
| 50 | 55799 | 38238 | 61762 | 17561 | 50 |
| 60 | 56146 | 38598 | 61402 | 17548 | 40 |
| 70 | 56493 | 38959 | 61041 | 17534 | 30 |
| 80 | 56840 | 39319 | 60681 | 17521 | 20 |
| 90 | 57186 | 39679 | 60321 | 17507 | 10 |
| **37 oo** | 57533 | 40039 | 59961 | 17494 | **63 oo** |
| 10 | 57880 | 40399 | 59601 | 17481 | 90 |
| 20 | 58226 | 40759 | 59241 | 17467 | 80 |
| 30 | 58573 | 41119 | 58881 | 17454 | 70 |
| 40 | 58919 | 41479 | 58521 | 17440 | 60 |
| 50 | 59266 | 41839 | 58161 | 17427 | 50 |
| 60 | 59612 | 42199 | 57801 | 17413 | 40 |
| 70 | 59959 | 42559 | 57441 | 17400 | 30 |
| 80 | 60305 | 42919 | 57081 | 17387 | 20 |
| 90 | 60652 | 43279 | 56721 | 17373 | 10 |
| **38 oo** | 60998 | 43638 | 56362 | 17360 | **62 oo** |
| 10 | 61345 | 43998 | 56002 | 17346 | 90 |
| 20 | 61691 | 44358 | 55642 | 17333 | 80 |
| 30 | 62037 | 44718 | 55282 | 17319 | 70 |
| 40 | 62383 | 45077 | 54923 | 17306 | 60 |
| 50 | 62730 | 45437 | 54563 | 17293 | 50 |
| 60 | 63076 | 45797 | 54203 | 17279 | 40 |
| 70 | 63422 | 46156 | 53844 | 17266 | 30 |
| 80 | 63768 | 46516 | 53484 | 17252 | 20 |
| 90 | 64114 | 46876 | 53124 | 17239 | 10 |
| **39 oo** | 64460 | 47235 | 52765 | 17225 | **61 oo** |
| 10 | 64806 | 47595 | 52405 | 17212 | 90 |
| 20 | 65153 | 47954 | 52046 | 17198 | 80 |
| 30 | 65499 | 48314 | 51686 | 17185 | 70 |
| 40 | 65845 | 48673 | 51327 | 17172 | 60 |
| 50 | 66190 | 49032 | 50968 | 17158 | 50 |
| 60 | 66536 | 49392 | 50608 | 17145 | 40 |
| 70 | 66882 | 49751 | 50249 | 17131 | 30 |
| 80 | 67228 | 50110 | 49890 | 17118 | 20 |
| 90 | 67574 | 50470 | 49530 | 17104 | 10 |
| **40 oo** | 67920 | 50829 | 49171 | 17091 | **60 oo** |
| | **9.28** | **9.29** | **0.70** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 87g |
| | 345 | 359 | 359 | 14 | |

| | 362 | 361 | 360 | 359 | 349 | 348 | 347 | 346 | 345 | 14 | 13 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 36,2 | 36,1 | 36,0 | 35,9 | 34,9 | 34,8 | 34,7 | 34,6 | 34,5 | 1,4 | 1,3 | 1 |
| 2 | 72,4 | 72,2 | 72,0 | 71,8 | 69,8 | 69,6 | 69,4 | 69,2 | 69,0 | 2,8 | 2,6 | 2 |
| 3 | 108,6 | 108,3 | 108,0 | 107,7 | 104,7 | 104,4 | 104,1 | 103,8 | 103,5 | 4,2 | 3,9 | 3 |
| 4 | 144,8 | 144,4 | 144,0 | 143,6 | 139,6 | 139,2 | 138,8 | 138,4 | 138,0 | 5,6 | 5,2 | 4 |
| 5 | 181,0 | 180,5 | 180,0 | 179,5 | 174,5 | 174,0 | 173,5 | 173,0 | 172,5 | 7,0 | 6,5 | 5 |
| 6 | 217,2 | 216,6 | 216,0 | 215,4 | 209,4 | 208,8 | 208,2 | 207,6 | 207,0 | 8,4 | 7,8 | 6 |
| 7 | 253,4 | 252,7 | 252,0 | 251,3 | 244,3 | 243,6 | 242,9 | 242,2 | 241,5 | 9,8 | 9,1 | 7 |
| 8 | 289,6 | 288,8 | 288,0 | 287,2 | 279,2 | 278,4 | 277,6 | 276,8 | 276,0 | 11,2 | 10,4 | 8 |
| 9 | 325,8 | 324,9 | 324,0 | 323,1 | 314,1 | 313,2 | 312,3 | 311,4 | 310,5 | 12,6 | 11,7 | 9 |

| 12g | 346 | 360 | 360 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.28** | **9.29** | **0.70** | **9.99** | |
| **40 oo** | 67920 | 50829 | 49171 | 17091 | **60 oo** |
| 10 | 68266 | 51188 | 48812 | 17077 | 90 |
| 20 | 68611 | 51547 | 48453 | 17064 | 80 |
| 30 | 68957 | 51907 | 48093 | 17050 | 70 |
| 40 | 69303 | 52266 | 47734 | 17037 | 60 |
| 50 | 69648 | 52625 | 47375 | 17023 | 50 |
| 60 | 69994 | 52984 | 47016 | 17010 | 40 |
| 70 | 70340 | 53343 | 46657 | 16997 | 30 |
| 80 | 70685 | 53702 | 46298 | 16983 | 20 |
| 90 | 71031 | 54061 | 45939 | 16970 | 10 |
| **41 oo** | 71376 | 54420 | 45580 | 16956 | **59 oo** |
| 10 | 71722 | 54779 | 45221 | 16943 | 90 |
| 20 | 72067 | 55138 | 44862 | 16929 | 80 |
| 30 | 72413 | 55497 | 44503 | 16916 | 70 |
| 40 | 72758 | 55856 | 44144 | 16902 | 60 |
| 50 | 73104 | 56215 | 43785 | 16889 | 50 |
| 60 | 73449 | 56574 | 43426 | 16875 | 40 |
| 70 | 73794 | 56932 | 43068 | 16862 | 30 |
| 80 | 74140 | 57291 | 42709 | 16848 | 20 |
| 90 | 74485 | 57650 | 42350 | 16835 | 10 |
| **42 oo** | 74830 | 58009 | 41991 | 16821 | **58 oo** |
| 10 | 75175 | 58367 | 41633 | 16808 | 90 |
| 20 | 75520 | 58726 | 41274 | 16794 | 80 |
| 30 | 75866 | 59085 | 40915 | 16781 | 70 |
| 40 | 76211 | 59443 | 40557 | 16767 | 60 |
| 50 | 76556 | 59802 | 40198 | 16754 | 50 |
| 60 | 76901 | 60160 | 39840 | 16740 | 40 |
| 70 | 77246 | 60519 | 39481 | 16727 | 30 |
| 80 | 77591 | 60877 | 39123 | 16714 | 20 |
| 90 | 77936 | 61236 | 38764 | 16700 | 10 |
| **43 oo** | 78281 | 61594 | 38406 | 16687 | **57 oo** |
| 10 | 78626 | 61953 | 38047 | 16673 | 90 |
| 20 | 78971 | 62311 | 37689 | 16660 | 80 |
| 30 | 79316 | 62670 | 37330 | 16646 | 70 |
| 40 | 79660 | 63028 | 36972 | 16633 | 60 |
| 50 | 80005 | 63386 | 36614 | 16619 | 50 |
| 60 | 80350 | 63744 | 36256 | 16606 | 40 |
| 70 | 80695 | 64103 | 35897 | 16592 | 30 |
| 80 | 81039 | 64461 | 35539 | 16579 | 20 |
| 90 | 81384 | 64819 | 35181 | 16565 | 10 |
| **44 oo** | 81729 | 65177 | 34823 | 16552 | **56 oo** |
| 10 | 82074 | 65535 | 34465 | 16538 | 90 |
| 20 | 82418 | 65894 | 34106 | 16525 | 80 |
| 30 | 82763 | 66252 | 33748 | 16511 | 70 |
| 40 | 83107 | 66610 | 33390 | 16498 | 60 |
| 50 | 83452 | 66968 | 33032 | 16484 | 50 |
| 60 | 83796 | 67326 | 32674 | 16471 | 40 |
| 70 | 84141 | 67684 | 32316 | 16457 | 30 |
| 80 | 84485 | 68042 | 31958 | 16444 | 20 |
| 90 | 84830 | 68400 | 31600 | 16430 | 10 |
| **45 oo** | 85174 | 68758 | 31242 | 16416 | **55 oo** |
| | **9.28** | **9.29** | **0.70** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 87g |
| | 344 | 358 | 358 | 14 | |

| 12g | 345 | 358 | 358 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.28** | **9.29** | **0.70** | **9.99** | |
| **45 oo** | 85174 | 68758 | 31242 | 16416 | **55 oo** |
| 10 | 85518 | 69115 | 30885 | 16403 | 90 |
| 20 | 85863 | 69473 | 30527 | 16389 | 80 |
| 30 | 86207 | 69831 | 30169 | 16376 | 70 |
| 40 | 86551 | 70189 | 29811 | 16362 | 60 |
| 50 | 86896 | 70547 | 29453 | 16349 | 50 |
| 60 | 87240 | 70904 | 29096 | 16335 | 40 |
| 70 | 87584 | 71262 | 28738 | 16322 | 30 |
| 80 | 87928 | 71620 | 28380 | 16308 | 20 |
| 90 | 88272 | 71977 | 28023 | 16295 | 10 |
| **46 oo** | 88616 | 72335 | 27665 | 16281 | **54 oo** |
| 10 | 88960 | 72693 | 27307 | 16268 | 90 |
| 20 | 89304 | 73050 | 26950 | 16254 | 80 |
| 30 | 89648 | 73408 | 26592 | 16241 | 70 |
| 40 | 89992 | 73765 | 26235 | 16227 | 60 |
| 50 | 90336 | 74123 | 25877 | 16214 | 50 |
| 60 | 90680 | 74480 | 25520 | 16200 | 40 |
| 70 | 91024 | 74838 | 25162 | 16187 | 30 |
| 80 | 91368 | 75195 | 24805 | 16173 | 20 |
| 90 | 91712 | 75552 | 24448 | 16160 | 10 |
| **47 oo** | 92056 | 75910 | 24090 | 16146 | **53 oo** |
| 10 | 92400 | 76267 | 23733 | 16132 | 90 |
| 20 | 92743 | 76624 | 23376 | 16119 | 80 |
| 30 | 93087 | 76982 | 23018 | 16105 | 70 |
| 40 | 93431 | 77339 | 22661 | 16092 | 60 |
| 50 | 93774 | 77696 | 22304 | 16078 | 50 |
| 60 | 94118 | 78053 | 21947 | 16065 | 40 |
| 70 | 94462 | 78411 | 21589 | 16051 | 30 |
| 80 | 94805 | 78768 | 21232 | 16038 | 20 |
| 90 | 95149 | 79125 | 20875 | 16024 | 10 |
| **48 oo** | 95492 | 79482 | 20518 | 16011 | **52 oo** |
| 10 | 95836 | 79839 | 20161 | 15997 | 90 |
| 20 | 96179 | 80196 | 19804 | 15983 | 80 |
| 30 | 96523 | 80553 | 19447 | 15970 | 70 |
| 40 | 96866 | 80910 | 19090 | 15956 | 60 |
| 50 | 97210 | 81267 | 18733 | 15943 | 50 |
| 60 | 97553 | 81624 | 18376 | 15929 | 40 |
| 70 | 97896 | 81981 | 18019 | 15916 | 30 |
| 80 | 98240 | 82338 | 17662 | 15902 | 20 |
| 90 | 98583 | 82694 | 17306 | 15889 | 10 |
| **49 oo** | 98926 | 83051 | 16949 | 15875 | **51 oo** |
| 10 | 99269 | 83408 | 16592 | 15861 | 90 |
| 20 | 99613 | 83765 | 16235 | 15848 | 80 |
| 30 | 99956 | 84121 | 15879 | 15834 | 70 |
| 40 | *00299 | 84478 | 15522 | 15821 | 60 |
| 50 | *00642 | 84835 | 15165 | 15807 | 50 |
| 60 | *00985 | 85192 | 14808 | 15794 | 40 |
| 70 | *01328 | 85548 | 14452 | 15780 | 30 |
| 80 | *01671 | 85905 | 14095 | 15767 | 20 |
| 90 | *02014 | 86261 | 13739 | 15753 | 10 |
| **50 oo** | *02357 | 86618 | 13382 | 15739 | **50 oo** |
| | ***9.29** | **9.29** | **0.70** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 87g |
| | 343 | 356 | 356 | 14 | |

| | 360 | 359 | 358 | 357 | 356 | 346 | 345 | 344 | 343 | 14 | 13 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 36,0 | 35,9 | 35,8 | 35,7 | 35,6 | 34,6 | 34,5 | 34,4 | 34,3 | 1,4 | 1,3 | 1 |
| 2 | 72,0 | 71,8 | 71,6 | 71,4 | 71,2 | 69,2 | 69,0 | 68,8 | 68,6 | 2,8 | 2,6 | 2 |
| 3 | 108,0 | 107,7 | 107,4 | 107,1 | 106,8 | 103,8 | 103,5 | 103,2 | 102,9 | 4,2 | 3,9 | 3 |
| 4 | 144,0 | 143,6 | 143,2 | 142,8 | 142,4 | 138,4 | 138,0 | 137,6 | 137,2 | 5,6 | 5,2 | 4 |
| 5 | 180,0 | 179,5 | 179,0 | 178,5 | 178,0 | 173,0 | 172,5 | 172,0 | 171,5 | 7,0 | 6,5 | 5 |
| 6 | 216,0 | 215,4 | 214,8 | 214,2 | 213,6 | 207,6 | 207,0 | 206,4 | 205,8 | 8,4 | 7,8 | 6 |
| 7 | 252,0 | 251,3 | 250,6 | 249,9 | 249,2 | 242,2 | 241,5 | 240,8 | 240,1 | 9,8 | 9,1 | 7 |
| 8 | 288,0 | 287,2 | 286,4 | 285,6 | 284,8 | 276,8 | 276,0 | 275,2 | 274,4 | 11,2 | 10,4 | 8 |
| 9 | 324,0 | 323,1 | 322,2 | 321,3 | 320,4 | 311,4 | 310,5 | 309,6 | 308,7 | 12,6 | 11,7 | 9 |

| 12g | 343 | 357 | 357 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.29** | **9.29** | **0.70** | **9.99** | |
| **50 oo** | 02357 | 86618 | 13382 | 15739 | **50 oo** |
| 10 | 02700 | 86974 | 13026 | 15726 | 90 |
| 20 | 03043 | 87331 | 12669 | 15712 | 80 |
| 30 | 03386 | 87687 | 12313 | 15699 | 70 |
| 40 | 03729 | 88044 | 11956 | 15685 | 60 |
| 50 | 04072 | 88400 | 11600 | 15672 | 50 |
| 60 | 04415 | 88757 | 11243 | 15658 | 40 |
| 70 | 04757 | 89113 | 10887 | 15644 | 30 |
| 80 | 05100 | 89469 | 10531 | 15631 | 20 |
| 90 | 05443 | 89826 | 10174 | 15617 | 10 |
| **51 oo** | 05785 | 90182 | 09818 | 15604 | **49 oo** |
| 10 | 06128 | 90538 | 09462 | 15590 | 90 |
| 20 | 06471 | 90894 | 09106 | 15576 | 80 |
| 30 | 06813 | 91250 | 08750 | 15563 | 70 |
| 40 | 07156 | 91607 | 08393 | 15549 | 60 |
| 50 | 07498 | 91963 | 08037 | 15536 | 50 |
| 60 | 07841 | 92319 | 07681 | 15522 | 40 |
| 70 | 08183 | 92675 | 07325 | 15509 | 30 |
| 80 | 08526 | 93031 | 06969 | 15495 | 20 |
| 90 | 08868 | 93387 | 06613 | 15481 | 10 |
| **52 oo** | 09211 | 93743 | 06257 | 15468 | **48 oo** |
| 10 | 09553 | 94099 | 05901 | 15454 | 90 |
| 20 | 09896 | 94455 | 05545 | 15441 | 80 |
| 30 | 10238 | 94811 | 05189 | 15427 | 70 |
| 40 | 10580 | 95167 | 04833 | 15413 | 60 |
| 50 | 10922 | 95523 | 04477 | 15400 | 50 |
| 60 | 11265 | 95878 | 04122 | 15386 | 40 |
| 70 | 11607 | 96234 | 03766 | 15373 | 30 |
| 80 | 11949 | 96590 | 03410 | 15359 | 20 |
| 90 | 12291 | 96946 | 03054 | 15345 | 10 |
| **53 oo** | 12633 | 97302 | 02698 | 15332 | **47 oo** |
| 10 | 12975 | 97657 | 02343 | 15318 | 90 |
| 20 | 13318 | 98013 | 01987 | 15305 | 80 |
| 30 | 13660 | 98369 | 01631 | 15291 | 70 |
| 40 | 14002 | 98724 | 01276 | 15277 | 60 |
| 50 | 14344 | 99080 | 00920 | 15264 | 50 |
| 60 | 14686 | 99435 | 00565 | 15250 | 40 |
| 70 | 15028 | 99791 | 00209 | 15237 | 30 |
| 80 | 15369 | *00146 | *99854 | 15223 | 20 |
| 90 | 15711 | *00502 | *99498 | 15209 | 10 |
| **54 oo** | 16053 | *00857 | *99143 | 15196 | **46 oo** |
| 10 | 16395 | *01213 | *98787 | 15182 | 90 |
| 20 | 16737 | *01568 | *98432 | 15168 | 80 |
| 30 | 17079 | *01924 | *98076 | 15155 | 70 |
| 40 | 17420 | *02279 | *97721 | 15141 | 60 |
| 50 | 17762 | *02634 | *97366 | 15128 | 50 |
| 60 | 18104 | *02990 | *97010 | 15114 | 40 |
| 70 | 18445 | *03345 | *96655 | 15100 | 30 |
| 80 | 18787 | *03700 | *96300 | 15087 | 20 |
| 90 | 19129 | *04055 | *95945 | 15073 | 10 |
| **55 oo** | 19470 | *04411 | *95589 | 15060 | **45 oo** |
| | **9.29** | ***9.30** | ***0.69** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 87g |
| | 341 | 355 | 355 | 14 | |

| 12g | 342 | 355 | 355 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.29** | **9.30** | **0.69** | **9.99** | |
| **55 oo** | 19470 | 04411 | 95589 | 15060 | **45 oo** |
| 10 | 19812 | 04766 | 95234 | 15046 | 90 |
| 20 | 20153 | 05121 | 94879 | 15032 | 80 |
| 30 | 20495 | 05476 | 94524 | 15019 | 70 |
| 40 | 20836 | 05831 | 94169 | 15005 | 60 |
| 50 | 21178 | 06186 | 93814 | 14991 | 50 |
| 60 | 21519 | 06541 | 93459 | 14978 | 40 |
| 70 | 21860 | 06896 | 93104 | 14964 | 30 |
| 80 | 22202 | 07251 | 92749 | 14950 | 20 |
| 90 | 22543 | 07606 | 92394 | 14937 | 10 |
| **56 oo** | 22884 | 07961 | 92039 | 14923 | **44 oo** |
| 10 | 23226 | 08316 | 91684 | 14910 | 90 |
| 20 | 23567 | 08671 | 91329 | 14896 | 80 |
| 30 | 23908 | 09026 | 90974 | 14882 | 70 |
| 40 | 24249 | 09381 | 90619 | 14869 | 60 |
| 50 | 24590 | 09735 | 90265 | 14855 | 50 |
| 60 | 24931 | 10090 | 89910 | 14841 | 40 |
| 70 | 25273 | 10445 | 89555 | 14828 | 30 |
| 80 | 25614 | 10800 | 89200 | 14814 | 20 |
| 90 | 25955 | 11154 | 88846 | 14800 | 10 |
| **57 oo** | 26296 | 11509 | 88491 | 14787 | **43 oo** |
| 10 | 26637 | 11864 | 88136 | 14773 | 90 |
| 20 | 26978 | 12218 | 87782 | 14759 | 80 |
| 30 | 27319 | 12573 | 87427 | 14746 | 70 |
| 40 | 27659 | 12927 | 87073 | 14732 | 60 |
| 50 | 28000 | 13282 | 86718 | 14719 | 50 |
| 60 | 28341 | 13636 | 86364 | 14705 | 40 |
| 70 | 28682 | 13991 | 86009 | 14691 | 30 |
| 80 | 29023 | 14345 | 85655 | 14678 | 20 |
| 90 | 29364 | 14700 | 85300 | 14664 | 10 |
| **58 oo** | 29704 | 15054 | 84946 | 14650 | **42 oo** |
| 10 | 30045 | 15408 | 84592 | 14637 | 90 |
| 20 | 30386 | 15763 | 84237 | 14623 | 80 |
| 30 | 30726 | 16117 | 83883 | 14609 | 70 |
| 40 | 31067 | 16471 | 83529 | 14596 | 60 |
| 50 | 31408 | 16826 | 83174 | 14582 | 50 |
| 60 | 31748 | 17180 | 82820 | 14568 | 40 |
| 70 | 32089 | 17534 | 82466 | 14555 | 30 |
| 80 | 32429 | 17888 | 82112 | 14541 | 20 |
| 90 | 32770 | 18242 | 81758 | 14527 | 10 |
| **59 oo** | 33110 | 18596 | 81404 | 14514 | **41 oo** |
| 10 | 33451 | 18951 | 81049 | 14500 | 90 |
| 20 | 33791 | 19305 | 80695 | 14486 | 80 |
| 30 | 34131 | 19659 | 80341 | 14473 | 70 |
| 40 | 34472 | 20013 | 79987 | 14459 | 60 |
| 50 | 34812 | 20367 | 79633 | 14445 | 50 |
| 60 | 35152 | 20721 | 79279 | 14432 | 40 |
| 70 | 35493 | 21075 | 78925 | 14418 | 30 |
| 80 | 35833 | 21429 | 78571 | 14404 | 20 |
| 90 | 36173 | 21782 | 78218 | 14391 | 10 |
| **60 oo** | 36513 | 22136 | 77864 | 14377 | **40 oo** |
| | **9.29** | **9.30** | **0.69** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 87g |
| | 340 | 353 | 353 | 14 | |

| | 357 | 356 | 355 | 354 | 353 | 343 | 342 | 341 | 340 | 14 | 13 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35,7 | 35,6 | 35,5 | 35,4 | 35,3 | 34,3 | 34,2 | 34,1 | 34,0 | 1,4 | 1,3 | 1 |
| 2 | 71,4 | 71,2 | 71,0 | 70,8 | 70,6 | 68,6 | 68,4 | 68,2 | 68,0 | 2,8 | 2,6 | 2 |
| 3 | 107,1 | 106,8 | 106,5 | 106,2 | 105,9 | 102,9 | 102,6 | 102,3 | 102,0 | 4,2 | 3,9 | 3 |
| 4 | 142,8 | 142,4 | 142,0 | 141,6 | 141,2 | 137,2 | 136,8 | 136,4 | 136,0 | 5,6 | 5,2 | 4 |
| 5 | 178,5 | 178,0 | 177,5 | 177,0 | 176,5 | 171,5 | 171,0 | 170,5 | 170,0 | 7,0 | 6,5 | 5 |
| 6 | 214,2 | 213,6 | 213,0 | 212,4 | 211,8 | 205,8 | 205,2 | 204,6 | 204,0 | 8,4 | 7,8 | 6 |
| 7 | 249,9 | 249,2 | 248,5 | 247,8 | 247,1 | 240,1 | 239,4 | 238,7 | 238,0 | 9,8 | 9,1 | 7 |
| 8 | 285,6 | 284,8 | 284,0 | 283,2 | 282,4 | 274,4 | 273,6 | 272,8 | 272,0 | 11,2 | 10,4 | 8 |
| 9 | 321,3 | 320,4 | 319,5 | 318,6 | 317,7 | 308,7 | 307,8 | 306,9 | 306,0 | 12,6 | 11,7 | 9 |

| $12^g$ | $34^1$ | 354 | 354 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.29** | **9.30** | **0.69** | **9.99** | |
| **60 oo** | 36513 | 22136 | 77864 | 14377 | **40 oo** |
| 10 | 36853 | 22490 | 77510 | 14363 | 90 |
| 20 | 37193 | 22844 | 77156 | 14350 | 80 |
| 30 | 37534 | 23198 | 76802 | 14336 | 70 |
| 40 | 37874 | 23551 | 76449 | 14322 | 60 |
| 50 | 38214 | 23905 | 76095 | 14308 | 50 |
| 60 | 38554 | 24259 | 75741 | 14295 | 40 |
| 70 | 38894 | 24613 | 75387 | 14281 | 30 |
| 80 | 39234 | 24966 | 75034 | 14267 | 20 |
| 90 | 39574 | 25320 | 74680 | 14254 | 10 |
| **61 oo** | 39913 | 25673 | 74327 | 14240 | **39 oo** |
| 10 | 40253 | 26027 | 73973 | 14226 | 90 |
| 20 | 40593 | 26381 | 73619 | 14213 | 80 |
| 30 | 40933 | 26734 | 73266 | 14199 | 70 |
| 40 | 41273 | 27088 | 72912 | 14185 | 60 |
| 50 | 41613 | 27441 | 72559 | 14172 | 50 |
| 60 | 41952 | 27794 | 72206 | 14158 | 40 |
| 70 | 42292 | 28148 | 71852 | 14144 | 30 |
| 80 | 42632 | 28501 | 71499 | 14130 | 20 |
| 90 | 42971 | 28855 | 71145 | 14117 | 10 |
| **62 oo** | 43311 | 29208 | 70792 | 14103 | **38 oo** |
| 10 | 43651 | 29561 | 70439 | 14089 | 90 |
| 20 | 43990 | 29914 | 70086 | 14076 | 80 |
| 30 | 44330 | 30268 | 69732 | 14062 | 70 |
| 40 | 44669 | 30621 | 69379 | 14048 | 60 |
| 50 | 45009 | 30974 | 69026 | 14034 | 50 |
| 60 | 45348 | 31327 | 68673 | 14021 | 40 |
| 70 | 45688 | 31680 | 68320 | 14007 | 30 |
| 80 | 46027 | 32034 | 67966 | 13993 | 20 |
| 90 | 46366 | 32387 | 67613 | 13980 | 10 |
| **63 oo** | 46706 | 32740 | 67260 | 13966 | **37 oo** |
| 10 | 47045 | 33093 | 66907 | 13952 | 90 |
| 20 | 47384 | 33446 | 66554 | 13939 | 80 |
| 30 | 47724 | 33799 | 66201 | 13925 | 70 |
| 40 | 48063 | 34152 | 65848 | 13911 | 60 |
| 50 | 48402 | 34505 | 65495 | 13897 | 50 |
| 60 | 48741 | 34858 | 65142 | 13884 | 40 |
| 70 | 49080 | 35210 | 64790 | 13870 | 30 |
| 80 | 49419 | 35563 | 64437 | 13856 | 20 |
| 90 | 49759 | 35916 | 64084 | 13842 | 10 |
| **64 oo** | 50098 | 36269 | 63731 | 13829 | **36 oo** |
| 10 | 50437 | 36622 | 63378 | 13815 | 90 |
| 20 | 50776 | 36974 | 63026 | 13801 | 80 |
| 30 | 51115 | 37327 | 62673 | 13788 | 70 |
| 40 | 51454 | 37680 | 62320 | 13774 | 60 |
| 50 | 51793 | 38033 | 61967 | 13760 | 50 |
| 60 | 52132 | 38385 | 61615 | 13746 | 40 |
| 70 | 52470 | 38738 | 61262 | 13733 | 30 |
| 80 | 52809 | 39090 | 60910 | 13719 | 20 |
| 90 | 53148 | 39443 | 60557 | 13705 | 10 |
| **65 oo** | 53487 | 39795 | 60205 | 13691 | **35 oo** |
| | **9.29** | **9.30** | **0.69** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $87^g$ |
| | $33^8$ | $35^2$ | $35^2$ | 14 | |

| $12^g$ | 339 | 353 | 353 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.29** | **9.30** | **0.69** | **9.99** | |
| **65 oo** | 53487 | 39795 | 60205 | 13691 | **35 oo** |
| 10 | 53826 | 40148 | 59852 | 13678 | 90 |
| 20 | 54164 | 40500 | 59500 | 13664 | 80 |
| 30 | 54503 | 40853 | 59147 | 13650 | 70 |
| 40 | 54842 | 41205 | 58795 | 13636 | 60 |
| 50 | 55180 | 41558 | 58442 | 13623 | 50 |
| 60 | 55519 | 41910 | 58090 | 13609 | 40 |
| 70 | 55858 | 42262 | 57738 | 13595 | 30 |
| 80 | 56196 | 42615 | 57385 | 13581 | 20 |
| 90 | 56535 | 42967 | 57033 | 13568 | 10 |
| **66 oo** | 56873 | 43319 | 56681 | 13554 | **34 oo** |
| 10 | 57212 | 43672 | 56328 | 13540 | 90 |
| 20 | 57550 | 44024 | 55976 | 13527 | 80 |
| 30 | 57889 | 44376 | 55624 | 13513 | 70 |
| 40 | 58227 | 44728 | 55272 | 13499 | 60 |
| 50 | 58566 | 45080 | 54920 | 13485 | 50 |
| 60 | 58904 | 45432 | 54568 | 13471 | 40 |
| 70 | 59242 | 45785 | 54215 | 13458 | 30 |
| 80 | 59581 | 46137 | 53863 | 13444 | 20 |
| 90 | 59919 | 46489 | 53511 | 13430 | 10 |
| **67 oo** | 60257 | 46841 | 53159 | 13416 | **33 oo** |
| 10 | 60595 | 47193 | 52807 | 13403 | 90 |
| 20 | 60933 | 47545 | 52455 | 13389 | 80 |
| 30 | 61272 | 47896 | 52104 | 13375 | 70 |
| 40 | 61610 | 48248 | 51752 | 13361 | 60 |
| 50 | 61948 | 48600 | 51400 | 13348 | 50 |
| 60 | 62286 | 48952 | 51048 | 13334 | 40 |
| 70 | 62624 | 49304 | 50696 | 13320 | 30 |
| 80 | 62962 | 49656 | 50344 | 13306 | 20 |
| 90 | 63300 | 50008 | 49992 | 13293 | 10 |
| **68 oo** | 63638 | 50359 | 49641 | 13279 | **32 oo** |
| 10 | 63976 | 50711 | 49289 | 13265 | 90 |
| 20 | 64314 | 51063 | 48937 | 13251 | 80 |
| 30 | 64652 | 51414 | 48586 | 13238 | 70 |
| 40 | 64990 | 51766 | 48234 | 13224 | 60 |
| 50 | 65328 | 52118 | 47882 | 13210 | 50 |
| 60 | 65665 | 52469 | 47531 | 13196 | 40 |
| 70 | 66003 | 52821 | 47179 | 13182 | 30 |
| 80 | 66341 | 53172 | 46828 | 13169 | 20 |
| 90 | 66679 | 53524 | 46476 | 13155 | 10 |
| **69 oo** | 67016 | 53875 | 46125 | 13141 | **31 oo** |
| 10 | 67354 | 54227 | 45773 | 13127 | 90 |
| 20 | 67692 | 54578 | 45422 | 13113 | 80 |
| 30 | 68029 | 54930 | 45070 | 13100 | 70 |
| 40 | 68367 | 55281 | 44719 | 13086 | 60 |
| 50 | 68704 | 55632 | 44368 | 13072 | 50 |
| 60 | 69042 | 55984 | 44016 | 13058 | 40 |
| 70 | 69379 | 56335 | 43665 | 13045 | 30 |
| 80 | 69717 | 56686 | 43314 | 13031 | 20 |
| 90 | 70054 | 57037 | 42963 | 13017 | 10 |
| **70 oo** | 70392 | 57389 | 42611 | 13003 | **30 oo** |
| | **9.29** | **9.30** | **0.69** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $87^g$ |
| | 337 | $35^1$ | $35^1$ | 14 | |

| | 354 | 353 | 352 | 351 | 341 | 340 | 339 | 338 | 337 | 14 | 13 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35,4 | 35,3 | 35,2 | 35,1 | 34,1 | 34,0 | 33,9 | 33,8 | 33,7 | 1,4 | 1,3 | 1 |
| 2 | 70,8 | 70,6 | 70,4 | 70,2 | 68,2 | 68,0 | 67,8 | 67,6 | 67,4 | 2,8 | 2,6 | 2 |
| 3 | 106,2 | 105,9 | 105,6 | 105,3 | 102,3 | 102,0 | 101,7 | 101,4 | 101,1 | 4,2 | 3,9 | 3 |
| 4 | 141,6 | 141,2 | 140,8 | 140,4 | 136,4 | 136,0 | 135,6 | 135,2 | 134,8 | 5,6 | 5,2 | 4 |
| 5 | 177,0 | 176,5 | 176,0 | 175,5 | 170,5 | 170,0 | 169,5 | 169,0 | 168,5 | 7,0 | 6,5 | 5 |
| 6 | 212,4 | 211,8 | 211,2 | 210,6 | 204,6 | 204,0 | 203,4 | 202,8 | 202,2 | 8,4 | 7,8 | 6 |
| 7 | 247,8 | 247,1 | 246,4 | 245,7 | 238,7 | 238,0 | 237,3 | 236,6 | 235,9 | 9,8 | 9,1 | 7 |
| 8 | 283,2 | 282,4 | 281,6 | 280,8 | 272,8 | 272,0 | 271,2 | 270,4 | 269,6 | 11,2 | 10,4 | 8 |
| 9 | 318,6 | 317,7 | 316,8 | 315,9 | 306,9 | 306,0 | 305,1 | 304,2 | 303,3 | 12,6 | 11,7 | 9 |

| $12^g$ | $33^8$ | $35^1$ | $35^1$ | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.29** | **9.30** | **0.69** | **9.99** | |
| **70 oo** | 70392 | 57389 | 42611 | 13003 | **30 oo** |
| 10 | 70729 | 57740 | 42260 | 12989 | 90 |
| 20 | 71067 | 58091 | 41909 | 12976 | 80 |
| 30 | 71404 | 58442 | 41558 | 12962 | 70 |
| 40 | 71741 | 58793 | 41207 | 12948 | 60 |
| 50 | 72079 | 59144 | 40856 | 12934 | 50 |
| 60 | 72416 | 59495 | 40505 | 12920 | 40 |
| 70 | 72753 | 59846 | 40154 | 12907 | 30 |
| 80 | 73090 | 60197 | 39803 | 12893 | 20 |
| 90 | 73427 | 60548 | 39452 | 12879 | 10 |
| **71 oo** | 73765 | 60899 | 39101 | 12865 | **29 oo** |
| 10 | 74102 | 61250 | 38750 | 12851 | 90 |
| 20 | 74439 | 61601 | 38399 | 12838 | 80 |
| 30 | 74776 | 61952 | 38048 | 12824 | 70 |
| 40 | 75113 | 62303 | 37697 | 12810 | 60 |
| 50 | 75450 | 62654 | 37346 | 12796 | 50 |
| 60 | 75787 | 63005 | 36995 | 12782 | 40 |
| 70 | 76124 | 63355 | 36645 | 12769 | 30 |
| 80 | 76461 | 63706 | 36294 | 12755 | 20 |
| 90 | 76798 | 64057 | 35943 | 12741 | 10 |
| **72 oo** | 77135 | 64408 | 35592 | 12727 | **28 oo** |
| 10 | 77472 | 64758 | 35242 | 12713 | 90 |
| 20 | 77808 | 65109 | 34891 | 12699 | 80 |
| 30 | 78145 | 65460 | 34540 | 12686 | 70 |
| 40 | 78482 | 65810 | 34190 | 12672 | 60 |
| 50 | 78819 | 66161 | 33839 | 12658 | 50 |
| 60 | 79155 | 66511 | 33489 | 12644 | 40 |
| 70 | 79492 | 66862 | 33138 | 12630 | 30 |
| 80 | 79829 | 67212 | 32788 | 12617 | 20 |
| 90 | 80165 | 67563 | 32437 | 12603 | 10 |
| **73 oo** | 80502 | 67913 | 32087 | 12589 | **27 oo** |
| 10 | 80839 | 68264 | 31736 | 12575 | 90 |
| 20 | 81175 | 68614 | 31386 | 12561 | 80 |
| 30 | 81512 | 68964 | 31036 | 12547 | 70 |
| 40 | 81848 | 69315 | 30685 | 12534 | 60 |
| 50 | 82185 | 69665 | 30335 | 12520 | 50 |
| 60 | 82521 | 70015 | 29985 | 12506 | 40 |
| 70 | 82858 | 70365 | 29635 | 12492 | 30 |
| 80 | 83194 | 70716 | 29284 | 12478 | 20 |
| 90 | 83530 | 71066 | 28934 | 12464 | 10 |
| **74 oo** | 83867 | 71416 | 28584 | 12451 | **26 oo** |
| 10 | 84203 | 71766 | 28234 | 12437 | 90 |
| 20 | 84539 | 72116 | 27884 | 12423 | 80 |
| 30 | 84876 | 72466 | 27534 | 12409 | 70 |
| 40 | 85212 | 72817 | 27183 | 12395 | 60 |
| 50 | 85548 | 73167 | 26833 | 12381 | 50 |
| 60 | 85884 | 73517 | 26483 | 12368 | 40 |
| 70 | 86220 | 73867 | 26133 | 12354 | 30 |
| 80 | 86556 | 74217 | 25783 | 12340 | 20 |
| 90 | 86893 | 74567 | 25433 | 12326 | 10 |
| **75 oo** | 87229 | 74916 | 25084 | 12312 | **25 oo** |
| | **9.29** | **9.30** | **0.69** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $87^g$ |
| | $33^6$ | 349 | 349 | 14 | |

| $12^g$ | $33^6$ | 350 | 350 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.29** | **9.30** | **0.69** | **9.99** | |
| **75 oo** | 87229 | 74916 | 25084 | 12312 | **25 oo** |
| 10 | 87565 | 75266 | 24734 | 12298 | 90 |
| 20 | 87901 | 75616 | 24384 | 12284 | 80 |
| 30 | 88237 | 75966 | 24034 | 12271 | 70 |
| 40 | 88573 | 76316 | 23684 | 12257 | 60 |
| 50 | 88909 | 76666 | 23334 | 12243 | 50 |
| 60 | 89244 | 77015 | 22985 | 12229 | 40 |
| 70 | 89580 | 77365 | 22635 | 12215 | 30 |
| 80 | 89916 | 77715 | 22285 | 12201 | 20 |
| 90 | 90252 | 78065 | 21935 | 12187 | 10 |
| **76 oo** | 90588 | 78414 | 21586 | 12174 | **24 oo** |
| 10 | 90924 | 78764 | 21236 | 12160 | 90 |
| 20 | 91259 | 79113 | 20887 | 12146 | 80 |
| 30 | 91595 | 79463 | 20537 | 12132 | 70 |
| 40 | 91931 | 79813 | 20187 | 12118 | 60 |
| 50 | 92266 | 80162 | 19838 | 12104 | 50 |
| 60 | 92602 | 80512 | 19488 | 12090 | 40 |
| 70 | 92938 | 80861 | 19139 | 12077 | 30 |
| 80 | 93273 | 81211 | 18789 | 12063 | 20 |
| 90 | 93609 | 81560 | 18440 | 12049 | 10 |
| **77 oo** | 93944 | 81909 | 18091 | 12035 | **23 oo** |
| 10 | 94280 | 82259 | 17741 | 12021 | 90 |
| 20 | 94615 | 82608 | 17392 | 12007 | 80 |
| 30 | 94951 | 82957 | 17043 | 11993 | 70 |
| 40 | 95286 | 83307 | 16693 | 11979 | 60 |
| 50 | 95622 | 83656 | 16344 | 11966 | 50 |
| 60 | 95957 | 84005 | 15995 | 11952 | 40 |
| 70 | 96292 | 84354 | 15646 | 11938 | 30 |
| 80 | 96628 | 84704 | 15296 | 11924 | 20 |
| 90 | 96963 | 85053 | 14947 | 11910 | 10 |
| **78 oo** | 97298 | 85402 | 14598 | 11896 | **22 oo** |
| 10 | 97633 | 85751 | 14249 | 11882 | 90 |
| 20 | 97969 | 86100 | 13900 | 11868 | 80 |
| 30 | 98304 | 86449 | 13551 | 11855 | 70 |
| 40 | 98639 | 86798 | 13202 | 11841 | 60 |
| 50 | 98974 | 87147 | 12853 | 11827 | 50 |
| 60 | 99309 | 87496 | 12504 | 11813 | 40 |
| 70 | 99644 | 87845 | 12155 | 11799 | 30 |
| 80 | 99979 | 88194 | 11806 | 11785 | 20 |
| 90 | ∗00314 | 88543 | 11457 | 11771 | 10 |
| **79 oo** | ∗00649 | 88892 | 11108 | 11757 | **21 oo** |
| 10 | ∗00984 | 89241 | 10759 | 11743 | 90 |
| 20 | ∗01319 | 89590 | 10410 | 11730 | 80 |
| 30 | ∗01654 | 89938 | 10062 | 11716 | 70 |
| 40 | ∗01989 | 90287 | 09713 | 11702 | 60 |
| 50 | ∗02324 | 90636 | 09364 | 11688 | 50 |
| 60 | ∗02659 | 90985 | 09015 | 11674 | 40 |
| 70 | ∗02993 | 91333 | 08667 | 11660 | 30 |
| 80 | ∗03328 | 91682 | 08318 | 11646 | 20 |
| 90 | ∗03663 | 92031 | 07969 | 11632 | 10 |
| **80 oo** | ∗03998 | 92379 | 07621 | 11618 | **20 oo** |
| | ∗**9.30** | **9.30** | **0.69** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | $87^g$ |
| | 334 | $34^8$ | $34^8$ | 14 | |

| | 351 | 350 | 349 | 348 | 338 | 337 | 336 | 335 | 334 | 14 | 13 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35,1 | 35,0 | 34,9 | 34,8 | 33,8 | 33,7 | 33,6 | 33,5 | 33,4 | 1,4 | 1,3 | 1 |
| 2 | 70,2 | 70,0 | 69,8 | 69,6 | 67,6 | 67,4 | 67,2 | 67,0 | 66,8 | 2,8 | 2,6 | 2 |
| 3 | 105,3 | 105,0 | 104,7 | 104,4 | 101,4 | 101,1 | 100,8 | 100,5 | 100,2 | 4,2 | 3,9 | 3 |
| 4 | 140,4 | 140,0 | 139,6 | 139,2 | 135,2 | 134,8 | 134,4 | 134,0 | 133,6 | 5,6 | 5,2 | 4 |
| 5 | 175,5 | 175,0 | 174,5 | 174,0 | 169,0 | 168,5 | 168,0 | 167,5 | 167,0 | 7,0 | 6,5 | 5 |
| 6 | 210,6 | 210,0 | 209,4 | 208,8 | 202,8 | 202,2 | 201,6 | 201,0 | 200,4 | 8,4 | 7,8 | 6 |
| 7 | 245,7 | 245,0 | 244,3 | 243,6 | 236,6 | 235,9 | 235,2 | 234,5 | 233,8 | 9,8 | 9,1 | 7 |
| 8 | 280,8 | 280,0 | 279,2 | 278,4 | 270,4 | 269,6 | 268,8 | 268,0 | 267,2 | 11,2 | 10,4 | 8 |
| 9 | 315,9 | 315,0 | 314,1 | 313,2 | 304,2 | 303,3 | 302,4 | 301,5 | 300,6 | 12,6 | 11,7 | 9 |

| 12g | 335 | 349 | 349 | 13 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.30** | ∗**9.30** | ∗**0.69** | **9.99** | |
| **80 oo** | 03998 | ∗92379 | ∗07621 | 11618 | **20 oo** |
| 10 | 04332 | ∗92728 | ∗07272 | 11604 | 90 |
| 20 | 04667 | ∗93077 | ∗06923 | 11591 | 80 |
| 30 | 05002 | ∗93425 | ∗06575 | 11577 | 70 |
| 40 | 05336 | ∗93774 | ∗06226 | 11563 | 60 |
| 50 | 05671 | ∗94122 | ∗05878 | 11549 | 50 |
| 60 | 06005 | ∗94471 | ∗05529 | 11535 | 40 |
| 70 | 06340 | ∗94819 | ∗05181 | 11521 | 30 |
| 80 | 06674 | ∗95167 | ∗04833 | 11507 | 20 |
| 90 | 07009 | ∗95516 | ∗04484 | 11493 | 10 |
| **81 oo** | 07343 | ∗95864 | ∗04136 | 11479 | **19 oo** |
| 10 | 07678 | ∗96213 | ∗03787 | 11465 | 90 |
| 20 | 08012 | ∗96561 | ∗03439 | 11451 | 80 |
| 30 | 08347 | ∗96909 | ∗03091 | 11438 | 70 |
| 40 | 08681 | ∗97257 | ∗02743 | 11424 | 60 |
| 50 | 09015 | ∗97606 | ∗02394 | 11410 | 50 |
| 60 | 09350 | ∗97954 | ∗02046 | 11396 | 40 |
| 70 | 09684 | ∗98302 | ∗01698 | 11382 | 30 |
| 80 | 10018 | ∗98650 | ∗01350 | 11368 | 20 |
| 90 | 10352 | ∗98998 | ∗01002 | 11354 | 10 |
| **82 oo** | 10686 | ∗99346 | ∗00654 | 11340 | **18 oo** |
| 10 | 11021 | ∗99695 | ∗00305 | 11326 | 90 |
| 20 | 11355 | 00043 | 99957 | 11312 | 80 |
| 30 | 11689 | 00391 | 99609 | 11298 | 70 |
| 40 | 12023 | 00739 | 99261 | 11284 | 60 |
| 50 | 12357 | 01087 | 98913 | 11270 | 50 |
| 60 | 12691 | 01435 | 98565 | 11256 | 40 |
| 70 | 13025 | 01782 | 98218 | 11243 | 30 |
| 80 | 13359 | 02130 | 97870 | 11229 | 20 |
| 90 | 13693 | 02478 | 97522 | 11215 | 10 |
| **83 oo** | 14027 | 02826 | 97174 | 11201 | **17 oo** |
| 10 | 14361 | 03174 | 96826 | 11187 | 90 |
| 20 | 14695 | 03522 | 96478 | 11173 | 80 |
| 30 | 15028 | 03870 | 96130 | 11159 | 70 |
| 40 | 15362 | 04217 | 95783 | 11145 | 60 |
| 50 | 15696 | 04565 | 95435 | 11131 | 50 |
| 60 | 16030 | 04913 | 95087 | 11117 | 40 |
| 70 | 16364 | 05260 | 94740 | 11103 | 30 |
| 80 | 16697 | 05608 | 94392 | 11089 | 20 |
| 90 | 17031 | 05956 | 94044 | 11075 | 10 |
| **84 oo** | 17365 | 06303 | 93697 | 11061 | **16 oo** |
| 10 | 17698 | 06651 | 93349 | 11047 | 90 |
| 20 | 18032 | 06998 | 93002 | 11033 | 80 |
| 30 | 18365 | 07346 | 92654 | 11019 | 70 |
| 40 | 18699 | 07693 | 92307 | 11006 | 60 |
| 50 | 19032 | 08041 | 91959 | 10992 | 50 |
| 60 | 19366 | 08388 | 91612 | 10978 | 40 |
| 70 | 19699 | 08736 | 91264 | 10964 | 30 |
| 80 | 20033 | 09083 | 90917 | 10950 | 20 |
| 90 | 20366 | 09430 | 90570 | 10936 | 10 |
| **85 oo** | 20700 | 09778 | 90222 | 10922 | **15 oo** |
| | **9.30** | **9.31** | **0.68** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 87g |
| | 333 | 347 | 347 | 14 | |

| 12g | 334 | 348 | 348 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.30** | **9.31** | **0.68** | **9.99** | |
| **85 oo** | 20700 | 09778 | 90222 | 10922 | **15 oo** |
| 10 | 21033 | 10125 | 89875 | 10908 | 90 |
| 20 | 21366 | 10472 | 89528 | 10894 | 80 |
| 30 | 21700 | 10820 | 89180 | 10880 | 70 |
| 40 | 22033 | 11167 | 88833 | 10866 | 60 |
| 50 | 22366 | 11514 | 88486 | 10852 | 50 |
| 60 | 22699 | 11861 | 88139 | 10838 | 40 |
| 70 | 23033 | 12209 | 87791 | 10824 | 30 |
| 80 | 23366 | 12556 | 87444 | 10810 | 20 |
| 90 | 23699 | 12903 | 87097 | 10796 | 10 |
| **86 oo** | 24032 | 13250 | 86750 | 10782 | **14 oo** |
| 10 | 24365 | 13597 | 86403 | 10768 | 90 |
| 20 | 24698 | 13944 | 86056 | 10754 | 80 |
| 30 | 25031 | 14291 | 85709 | 10740 | 70 |
| 40 | 25364 | 14638 | 85362 | 10726 | 60 |
| 50 | 25697 | 14985 | 85015 | 10712 | 50 |
| 60 | 26030 | 15332 | 84668 | 10698 | 40 |
| 70 | 26363 | 15679 | 84321 | 10684 | 30 |
| 80 | 26696 | 16026 | 83974 | 10670 | 20 |
| 90 | 27029 | 16372 | 83628 | 10656 | 10 |
| **87 oo** | 27362 | 16719 | 83281 | 10642 | **13 oo** |
| 10 | 27694 | 17066 | 82934 | 10628 | 90 |
| 20 | 28027 | 17413 | 82587 | 10614 | 80 |
| 30 | 28360 | 17760 | 82240 | 10600 | 70 |
| 40 | 28693 | 18106 | 81894 | 10586 | 60 |
| 50 | 29026 | 18453 | 81547 | 10572 | 50 |
| 60 | 29358 | 18800 | 81200 | 10558 | 40 |
| 70 | 29691 | 19146 | 80854 | 10544 | 30 |
| 80 | 30024 | 19493 | 80507 | 10530 | 20 |
| 90 | 30356 | 19840 | 80160 | 10516 | 10 |
| **88 oo** | 30689 | 20186 | 79814 | 10502 | **12 oo** |
| 10 | 31021 | 20533 | 79467 | 10488 | 90 |
| 20 | 31354 | 20879 | 79121 | 10474 | 80 |
| 30 | 31686 | 21226 | 78774 | 10460 | 70 |
| 40 | 32019 | 21572 | 78428 | 10446 | 60 |
| 50 | 32351 | 21919 | 78081 | 10432 | 50 |
| 60 | 32684 | 22265 | 77735 | 10418 | 40 |
| 70 | 33016 | 22612 | 77388 | 10404 | 30 |
| 80 | 33348 | 22958 | 77042 | 10390 | 20 |
| 90 | 33681 | 23304 | 76696 | 10376 | 10 |
| **89 oo** | 34013 | 23651 | 76349 | 10362 | **11 oo** |
| 10 | 34345 | 23997 | 76003 | 10348 | 90 |
| 20 | 34678 | 24343 | 75657 | 10334 | 80 |
| 30 | 35010 | 24689 | 75311 | 10320 | 70 |
| 40 | 35342 | 25036 | 74964 | 10306 | 60 |
| 50 | 35674 | 25382 | 74618 | 10292 | 50 |
| 60 | 36006 | 25728 | 74272 | 10278 | 40 |
| 70 | 36339 | 26074 | 73926 | 10264 | 30 |
| 80 | 36671 | 26420 | 73580 | 10250 | 20 |
| 90 | 37003 | 26766 | 73234 | 10236 | 10 |
| **90 oo** | 37335 | 27112 | 72888 | 10222 | **10 oo** |
| | **9.30** | **9.31** | **0.68** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 87g |
| | 332 | 346 | 346 | 14 | |

| | 349 | 348 | 347 | 346 | 335 | 334 | 333 | 332 | 14 | 13 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 34,9 | 34,8 | 34,7 | 34,6 | 33,5 | 33,4 | 33,3 | 33,2 | 1,4 | 1,3 | 1 |
| 2 | 69,8 | 69,6 | 69,4 | 69,2 | 67,0 | 66,8 | 66,6 | 66,4 | 2,8 | 2,6 | 2 |
| 3 | 104,7 | 104,4 | 104,1 | 103,8 | 100,5 | 100,2 | 99,9 | 99,6 | 4,2 | 3,9 | 3 |
| 4 | 139,6 | 139,2 | 138,8 | 138,4 | 134,0 | 133,6 | 133,2 | 132,8 | 5,6 | 5,2 | 4 |
| 5 | 174,5 | 174,0 | 173,5 | 173,0 | 167,5 | 167,0 | 166,5 | 166,0 | 7,0 | 6,5 | 5 |
| 6 | 209,4 | 208,8 | 208,2 | 207,6 | 201,0 | 200,4 | 199,8 | 199,2 | 8,4 | 7,8 | 6 |
| 7 | 244,3 | 243,6 | 242,9 | 242,2 | 234,5 | 233,8 | 233,1 | 232,4 | 9,8 | 9,1 | 7 |
| 8 | 279,2 | 278,4 | 277,6 | 276,8 | 268,0 | 267,2 | 266,4 | 265,6 | 11,2 | 10,4 | 8 |
| 9 | 314,1 | 313,2 | 312,3 | 311,4 | 301,5 | 300,6 | 299,7 | 298,8 | 12,6 | 11,7 | 9 |

| 12g | 332 | 347 | 347 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.30** | **9.31** | **0.68** | **9.99** | |
| **90 oo** | 37335 | 27112 | 72888 | 10222 | **10 oo** |
| 10 | 37667 | 27459 | 72541 | 10208 | 90 |
| 20 | 37999 | 27805 | 72195 | 10194 | 80 |
| 30 | 38331 | 28151 | 71849 | 10180 | 70 |
| 40 | 38663 | 28497 | 71503 | 10166 | 60 |
| 50 | 38995 | 28842 | 71158 | 10152 | 50 |
| 60 | 39327 | 29188 | 70812 | 10138 | 40 |
| 70 | 39659 | 29534 | 70466 | 10124 | 30 |
| 80 | 39990 | 29880 | 70120 | 10110 | 20 |
| 90 | 40322 | 30226 | 69774 | 10096 | 10 |
| **91 oo** | 40654 | 30572 | 69428 | 10082 | **09 oo** |
| 10 | 40986 | 30918 | 69082 | 10068 | 90 |
| 20 | 41317 | 31263 | 68737 | 10054 | 80 |
| 30 | 41649 | 31609 | 68391 | 10040 | 70 |
| 40 | 41981 | 31955 | 68045 | 10026 | 60 |
| 50 | 42313 | 32300 | 67700 | 10012 | 50 |
| 60 | 42644 | 32646 | 67354 | 09998 | 40 |
| 70 | 42976 | 32992 | 67008 | 09984 | 30 |
| 80 | 43307 | 33337 | 66663 | 09970 | 20 |
| 90 | 43639 | 33683 | 66317 | 09956 | 10 |
| **92 oo** | 43970 | 34029 | 65971 | 09942 | **08 oo** |
| 10 | 44302 | 34374 | 65626 | 09928 | 90 |
| 20 | 44633 | 34720 | 65280 | 09914 | 80 |
| 30 | 44965 | 35065 | 64935 | 09900 | 70 |
| 40 | 45296 | 35411 | 64589 | 09886 | 60 |
| 50 | 45628 | 35756 | 64244 | 09872 | 50 |
| 60 | 45959 | 36101 | 63899 | 09858 | 40 |
| 70 | 46290 | 36447 | 63553 | 09844 | 30 |
| 80 | 46622 | 36792 | 63208 | 09829 | 20 |
| 90 | 46953 | 37138 | 62862 | 09815 | 10 |
| **93 oo** | 47284 | 37483 | 62517 | 09801 | **07 oo** |
| 10 | 47615 | 37828 | 62172 | 09787 | 90 |
| 20 | 47947 | 38173 | 61827 | 09773 | 80 |
| 30 | 48278 | 38519 | 61481 | 09759 | 70 |
| 40 | 48609 | 38864 | 61136 | 09745 | 60 |
| 50 | 48940 | 39209 | 60791 | 09731 | 50 |
| 60 | 49271 | 39554 | 60446 | 09717 | 40 |
| 70 | 49602 | 39899 | 60101 | 09703 | 30 |
| 80 | 49933 | 40244 | 59756 | 09689 | 20 |
| 90 | 50264 | 40589 | 59411 | 09675 | 10 |
| **94 oo** | 50595 | 40935 | 59065 | 09661 | **06 oo** |
| 10 | 50926 | 41280 | 58720 | 09647 | 90 |
| 20 | 51257 | 41625 | 58375 | 09633 | 80 |
| 30 | 51588 | 41970 | 58030 | 09619 | 70 |
| 40 | 51919 | 42315 | 57685 | 09605 | 60 |
| 50 | 52250 | 42659 | 57341 | 09591 | 50 |
| 60 | 52581 | 43004 | 56996 | 09576 | 40 |
| 70 | 52912 | 43349 | 56651 | 09562 | 30 |
| 80 | 53242 | 43694 | 56306 | 09548 | 20 |
| 90 | 53573 | 44039 | 55961 | 09534 | 10 |
| **95 oo** | 53904 | 44384 | 55616 | 09520 | **05 oo** |
| | **9.30** | **9.31** | **0.68** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 87g |
| | 330 | 344 | 344 | 15 | |

| 12g | 331 | 345 | 345 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.30** | **9.31** | **0.68** | **9.99** | |
| **95 oo** | 53904 | 44384 | 55616 | 09520 | **05 oo** |
| 10 | 54235 | 44729 | 55271 | 09506 | 90 |
| 20 | 54565 | 45073 | 54927 | 09492 | 80 |
| 30 | 54896 | 45418 | 54582 | 09478 | 70 |
| 40 | 55227 | 45763 | 54237 | 09464 | 60 |
| 50 | 55557 | 46107 | 53893 | 09450 | 50 |
| 60 | 55888 | 46452 | 53548 | 09436 | 40 |
| 70 | 56218 | 46797 | 53203 | 09422 | 30 |
| 80 | 56549 | 47141 | 52859 | 09408 | 20 |
| 90 | 56879 | 47486 | 52514 | 09394 | 10 |
| **96 oo** | 57210 | 47830 | 52170 | 09379 | **04 oo** |
| 10 | 57540 | 48175 | 51825 | 09365 | 90 |
| 20 | 57871 | 48520 | 51480 | 09351 | 80 |
| 30 | 58201 | 48864 | 51136 | 09337 | 70 |
| 40 | 58532 | 49208 | 50792 | 09323 | 60 |
| 50 | 58862 | 49553 | 50447 | 09309 | 50 |
| 60 | 59192 | 49897 | 50103 | 09295 | 40 |
| 70 | 59522 | 50242 | 49758 | 09281 | 30 |
| 80 | 59853 | 50586 | 49414 | 09267 | 20 |
| 90 | 60183 | 50930 | 49070 | 09253 | 10 |
| **97 oo** | 60513 | 51275 | 48725 | 09239 | **03 oo** |
| 10 | 60843 | 51619 | 48381 | 09224 | 90 |
| 20 | 61174 | 51963 | 48037 | 09210 | 80 |
| 30 | 61504 | 52307 | 47693 | 09196 | 70 |
| 40 | 61834 | 52652 | 47348 | 09182 | 60 |
| 50 | 62164 | 52996 | 47004 | 09168 | 50 |
| 60 | 62494 | 53340 | 46660 | 09154 | 40 |
| 70 | 62824 | 53684 | 46316 | 09140 | 30 |
| 80 | 63154 | 54028 | 45972 | 09126 | 20 |
| 90 | 63484 | 54372 | 45628 | 09112 | 10 |
| **98 oo** | 63814 | 54716 | 45284 | 09098 | **02 oo** |
| 10 | 64144 | 55060 | 44940 | 09083 | 90 |
| 20 | 64474 | 55404 | 44596 | 09069 | 80 |
| 30 | 64804 | 55748 | 44252 | 09055 | 70 |
| 40 | 65133 | 56092 | 43908 | 09041 | 60 |
| 50 | 65463 | 56436 | 43564 | 09027 | 50 |
| 60 | 65793 | 56780 | 43220 | 09013 | 40 |
| 70 | 66123 | 57124 | 42876 | 08999 | 30 |
| 80 | 66453 | 57468 | 42532 | 08985 | 20 |
| 90 | 66782 | 57812 | 42188 | 08971 | 10 |
| **99 oo** | 67112 | 58156 | 41844 | 08956 | **01 oo** |
| 10 | 67442 | 58499 | 41501 | 08942 | 90 |
| 20 | 67771 | 58843 | 41157 | 08928 | 80 |
| 30 | 68101 | 59187 | 40813 | 08914 | 70 |
| 40 | 68430 | 59531 | 40469 | 08900 | 60 |
| 50 | 68760 | 59874 | 40126 | 08886 | 50 |
| 60 | 69090 | 60218 | 39782 | 08872 | 40 |
| 70 | 69419 | 60561 | 39439 | 08858 | 30 |
| 80 | 69749 | 60905 | 39095 | 08843 | 20 |
| 90 | 70078 | 61249 | 38751 | 08829 | 10 |
| **100 oo** | 70407 | 61592 | 38408 | 08815 | **00 oo** |
| | **9.30** | **9.31** | **0.68** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 87g |
| | 329 | 343 | 343 | 15 | |

| | 347 | 346 | 345 | 344 | 343 | 332 | 331 | 330 | 329 | 15 | 14 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 34,7 | 34,6 | 34,5 | 34,4 | 34,3 | 33,2 | 33,1 | 33,0 | 32,9 | 1,5 | 1,4 | 1 |
| 2 | 69,4 | 69,2 | 69,0 | 68,8 | 68,6 | 66,4 | 66,2 | 66,0 | 65,8 | 3,0 | 2,8 | 2 |
| 3 | 104,1 | 103,8 | 103,5 | 103,2 | 102,9 | 99,6 | 99,3 | 99,0 | 98,7 | 4,5 | 4,2 | 3 |
| 4 | 138,8 | 138,4 | 138,0 | 137,6 | 137,2 | 132,8 | 132,4 | 132,0 | 131,6 | 6,0 | 5,6 | 4 |
| 5 | 173,5 | 173,0 | 172,5 | 172,0 | 171,5 | 166,0 | 165,5 | 165,0 | 164,5 | 7,5 | 7,0 | 5 |
| 6 | 208,2 | 207,6 | 207,0 | 206,4 | 205,8 | 199,2 | 198,6 | 198,0 | 197,4 | 9,0 | 8,4 | 6 |
| 7 | 242,9 | 242,2 | 241,5 | 240,8 | 240,1 | 232,4 | 231,7 | 231,0 | 230,3 | 10,5 | 9,8 | 7 |
| 8 | 277,6 | 276,8 | 276,0 | 275,2 | 274,4 | 265,6 | 264,8 | 264,0 | 263,2 | 12,0 | 11,2 | 8 |
| 9 | 312,3 | 311,4 | 310,5 | 309,6 | 308,7 | 298,8 | 297,9 | 297,0 | 296,1 | 13,5 | 12,6 | 9 |

| 13g | 330 | 344 | 344 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.30** | **9.31** | **0.68** | **9.99** | |
| **00 oo** | 70407 | 61592 | 38408 | 08815 | **100 oo** |
| 10 | 70737 | 61936 | 38064 | 08801 | 90 |
| 20 | 71066 | 62279 | 37721 | 08787 | 80 |
| 30 | 71396 | 62623 | 37377 | 08773 | 70 |
| 40 | 71725 | 62966 | 37034 | 08759 | 60 |
| 50 | 72054 | 63310 | 36690 | 08745 | 50 |
| 60 | 72383 | 63653 | 36347 | 08730 | 40 |
| 70 | 72713 | 63996 | 36004 | 08716 | 30 |
| 80 | 73042 | 64340 | 35660 | 08702 | 20 |
| 90 | 73371 | 64683 | 35317 | 08688 | 10 |
| **01 oo** | 73700 | 65026 | 34974 | 08674 | **99 oo** |
| 10 | 74029 | 65370 | 34630 | 08660 | 90 |
| 20 | 74359 | 65713 | 34287 | 08646 | 80 |
| 30 | 74688 | 66056 | 33944 | 08631 | 70 |
| 40 | 75017 | 66399 | 33601 | 08617 | 60 |
| 50 | 75346 | 66743 | 33257 | 08603 | 50 |
| 60 | 75675 | 67086 | 32914 | 08589 | 40 |
| 70 | 76004 | 67429 | 32571 | 08575 | 30 |
| 80 | 76333 | 67772 | 32228 | 08561 | 20 |
| 90 | 76662 | 68115 | 31885 | 08547 | 10 |
| **02 oo** | 76991 | 68458 | 31542 | 08532 | **98 oo** |
| 10 | 77319 | 68801 | 31199 | 08518 | 90 |
| 20 | 77648 | 69144 | 30856 | 08504 | 80 |
| 30 | 77977 | 69487 | 30513 | 08490 | 70 |
| 40 | 78306 | 69830 | 30170 | 08476 | 60 |
| 50 | 78635 | 70173 | 29827 | 08462 | 50 |
| 60 | 78963 | 70516 | 29484 | 08448 | 40 |
| 70 | 79292 | 70859 | 29141 | 08433 | 30 |
| 80 | 79621 | 71202 | 28798 | 08419 | 20 |
| 90 | 79950 | 71545 | 28455 | 08405 | 10 |
| **03 oo** | 80278 | 71887 | 28113 | 08391 | **97 oo** |
| 10 | 80607 | 72230 | 27770 | 08377 | 90 |
| 20 | 80935 | 72573 | 27427 | 08363 | 80 |
| 30 | 81264 | 72916 | 27084 | 08348 | 70 |
| 40 | 81593 | 73258 | 26742 | 08334 | 60 |
| 50 | 81921 | 73601 | 26399 | 08320 | 50 |
| 60 | 82250 | 73944 | 26056 | 08306 | 40 |
| 70 | 82578 | 74286 | 25714 | 08292 | 30 |
| 80 | 82906 | 74629 | 25371 | 08278 | 20 |
| 90 | 83235 | 74971 | 25029 | 08263 | 10 |
| **04 oo** | 83563 | 75314 | 24686 | 08249 | **96 oo** |
| 10 | 83892 | 75657 | 24343 | 08235 | 90 |
| 20 | 84220 | 75999 | 24001 | 08221 | 80 |
| 30 | 84548 | 76342 | 23658 | 08207 | 70 |
| 40 | 84877 | 76684 | 23316 | 08193 | 60 |
| 50 | 85205 | 77026 | 22974 | 08178 | 50 |
| 60 | 85533 | 77369 | 22631 | 08164 | 40 |
| 70 | 85861 | 77711 | 22289 | 08150 | 30 |
| 80 | 86189 | 78054 | 21946 | 08136 | 20 |
| 90 | 86518 | 78396 | 21604 | 08122 | 10 |
| **05 oo** | 86846 | 78738 | 21262 | 08107 | **95 oo** |
| | **9.30** | **9.31** | **0.68** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 328 | 342 | 342 | 15 | |

| 13g | 328 | 343 | 343 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.30** | **9.31** | **0.68** | **9.99** | |
| **05 oo** | 86846 | 78738 | 21262 | 08107 | **95 oo** |
| 10 | 87174 | 79081 | 20919 | 08093 | 90 |
| 20 | 87502 | 79423 | 20577 | 08079 | 80 |
| 30 | 87830 | 79765 | 20235 | 08065 | 70 |
| 40 | 88158 | 80107 | 19893 | 08051 | 60 |
| 50 | 88486 | 80450 | 19550 | 08037 | 50 |
| 60 | 88814 | 80792 | 19208 | 08022 | 40 |
| 70 | 89142 | 81134 | 18866 | 08008 | 30 |
| 80 | 89470 | 81476 | 18524 | 07994 | 20 |
| 90 | 89798 | 81818 | 18182 | 07980 | 10 |
| **06 oo** | 90126 | 82160 | 17840 | 07966 | **94 oo** |
| 10 | 90453 | 82502 | 17498 | 07951 | 90 |
| 20 | 90781 | 82844 | 17156 | 07937 | 80 |
| 30 | 91109 | 83186 | 16814 | 07923 | 70 |
| 40 | 91437 | 83528 | 16472 | 07909 | 60 |
| 50 | 91765 | 83870 | 16130 | 07895 | 50 |
| 60 | 92092 | 84212 | 15788 | 07880 | 40 |
| 70 | 92420 | 84554 | 15446 | 07866 | 30 |
| 80 | 92748 | 84896 | 15104 | 07852 | 20 |
| 90 | 93075 | 85238 | 14762 | 07838 | 10 |
| **07 oo** | 93403 | 85579 | 14421 | 07824 | **93 oo** |
| 10 | 93731 | 85921 | 14079 | 07809 | 90 |
| 20 | 94058 | 86263 | 13737 | 07795 | 80 |
| 30 | 94386 | 86605 | 13395 | 07781 | 70 |
| 40 | 94713 | 86946 | 13054 | 07767 | 60 |
| 50 | 95041 | 87288 | 12712 | 07753 | 50 |
| 60 | 95368 | 87630 | 12370 | 07738 | 40 |
| 70 | 95696 | 87971 | 12029 | 07724 | 30 |
| 80 | 96023 | 88313 | 11687 | 07710 | 20 |
| 90 | 96350 | 88655 | 11345 | 07696 | 10 |
| **08 oo** | 96678 | 88996 | 11004 | 07681 | **92 oo** |
| 10 | 97005 | 89338 | 10662 | 07667 | 90 |
| 20 | 97332 | 89679 | 10321 | 07653 | 80 |
| 30 | 97660 | 90021 | 09979 | 07639 | 70 |
| 40 | 97987 | 90362 | 09638 | 07625 | 60 |
| 50 | 98314 | 90704 | 09296 | 07610 | 50 |
| 60 | 98641 | 91045 | 08955 | 07596 | 40 |
| 70 | 98968 | 91387 | 08613 | 07582 | 30 |
| 80 | 99296 | 91728 | 08272 | 07568 | 20 |
| 90 | 99623 | 92069 | 07931 | 07553 | 10 |
| **09 oo** | 99950 | 92411 | 07589 | 07539 | **91 oo** |
| 10 | *00277 | 92752 | 07248 | 07525 | 90 |
| 20 | *00604 | 93093 | 06907 | 07511 | 80 |
| 30 | *00931 | 93434 | 06566 | 07497 | 70 |
| 40 | *01258 | 93776 | 06224 | 07482 | 60 |
| 50 | *01585 | 94117 | 05883 | 07468 | 50 |
| 60 | *01912 | 94458 | 05542 | 07454 | 40 |
| 70 | *02239 | 94799 | 05201 | 07440 | 30 |
| 80 | *02566 | 95140 | 04860 | 07425 | 20 |
| 90 | *02893 | 95481 | 04519 | 07411 | 10 |
| **10 oo** | *03219 | 95823 | 04177 | 07397 | **90 oo** |
| | ***9.31** | **9.31** | **0.68** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 326 | 341 | 341 | 15 | |

| | 344 | 343 | 342 | 341 | 330 | 329 | 328 | 327 | 326 | 15 | 14 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 34,4 | 34,3 | 34,2 | 34,1 | 33,0 | 32,9 | 32,8 | 32,7 | 32,6 | 1,5 | 1,4 | 1 |
| 2 | 68,8 | 68,6 | 68,4 | 68,2 | 66,0 | 65,8 | 65,6 | 65,4 | 65,2 | 3,0 | 2,8 | 2 |
| 3 | 103,2 | 102,9 | 102,6 | 102,3 | 99,0 | 98,7 | 98,4 | 98,1 | 97,8 | 4,5 | 4,2 | 3 |
| 4 | 137,6 | 137,2 | 136,8 | 136,4 | 132,0 | 131,6 | 131,2 | 130,8 | 130,4 | 6,0 | 5,6 | 4 |
| 5 | 172,0 | 171,5 | 171,0 | 170,5 | 165,0 | 164,5 | 164,0 | 163,5 | 163,0 | 7,5 | 7,0 | 5 |
| 6 | 206,4 | 205,8 | 205,2 | 204,6 | 198,0 | 197,4 | 196,8 | 196,2 | 195,6 | 9,0 | 8,4 | 6 |
| 7 | 240,8 | 240,1 | 239,4 | 238,7 | 231,0 | 230,3 | 229,6 | 228,9 | 228,2 | 10,5 | 9,8 | 7 |
| 8 | 275,2 | 274,4 | 273,6 | 272,8 | 264,0 | 263,2 | 262,4 | 261,6 | 260,8 | 12,0 | 11,2 | 8 |
| 9 | 309,6 | 308,7 | 307,8 | 306,9 | 297,0 | 296,1 | 295,2 | 294,3 | 293,4 | 13,5 | 12,6 | 9 |

86g

| 13g | 327 | 341 | 341 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.31** | ∗**9.31** | ∗**0.68** | **9.99** | |
| **10 oo** | 03219 | ∗95823 | ∗04177 | 07397 | **90 oo** |
| 10 | 03546 | ∗96164 | ∗03836 | 07383 | 90 |
| 20 | 03873 | ∗96505 | ∗03495 | 07368 | 80 |
| 30 | 04200 | ∗96846 | ∗03154 | 07354 | 70 |
| 40 | 04527 | ∗97187 | ∗02813 | 07340 | 60 |
| 50 | 04853 | ∗97528 | ∗02472 | 07326 | 50 |
| 60 | 05180 | ∗97869 | ∗02131 | 07311 | 40 |
| 70 | 05507 | ∗98209 | ∗01791 | 07297 | 30 |
| 80 | 05833 | ∗98550 | ∗01450 | 07283 | 20 |
| 90 | 06160 | ∗98891 | ∗01109 | 07269 | 10 |
| **11 oo** | 06486 | ∗99232 | ∗00768 | 07254 | **89 oo** |
| 10 | 06813 | ∗99573 | ∗00427 | 07240 | 90 |
| 20 | 07140 | ∗99914 | ∗00086 | 07226 | 80 |
| 30 | 07466 | 00254 | 99746 | 07212 | 70 |
| 40 | 07793 | 00595 | 99405 | 07197 | 60 |
| 50 | 08119 | 00936 | 99064 | 07183 | 50 |
| 60 | 08445 | 01276 | 98724 | 07169 | 40 |
| 70 | 08772 | 01617 | 98383 | 07155 | 30 |
| 80 | 09098 | 01958 | 98042 | 07140 | 20 |
| 90 | 09425 | 02298 | 97702 | 07126 | 10 |
| **12 oo** | 09751 | 02639 | 97361 | 07112 | **88 oo** |
| 10 | 10077 | 02980 | 97020 | 07098 | 90 |
| 20 | 10403 | 03320 | 96680 | 07083 | 80 |
| 30 | 10730 | 03661 | 96339 | 07069 | 70 |
| 40 | 11056 | 04001 | 95999 | 07055 | 60 |
| 50 | 11382 | 04342 | 95658 | 07041 | 50 |
| 60 | 11708 | 04682 | 95318 | 07026 | 40 |
| 70 | 12034 | 05022 | 94978 | 07012 | 30 |
| 80 | 12361 | 05363 | 94637 | 06998 | 20 |
| 90 | 12687 | 05703 | 94297 | 06983 | 10 |
| **13 oo** | 13013 | 06044 | 93956 | 06969 | **87 oo** |
| 10 | 13339 | 06384 | 93616 | 06955 | 90 |
| 20 | 13665 | 06724 | 93276 | 06941 | 80 |
| 30 | 13991 | 07064 | 92936 | 06926 | 70 |
| 40 | 14317 | 07405 | 92595 | 06912 | 60 |
| 50 | 14643 | 07745 | 92255 | 06898 | 50 |
| 60 | 14969 | 08085 | 91915 | 06884 | 40 |
| 70 | 15295 | 08425 | 91575 | 06869 | 30 |
| 80 | 15620 | 08765 | 91235 | 06855 | 20 |
| 90 | 15946 | 09106 | 90894 | 06841 | 10 |
| **14 oo** | 16272 | 09446 | 90554 | 06826 | **86 oo** |
| 10 | 16598 | 09786 | 90214 | 06812 | 90 |
| 20 | 16924 | 10126 | 89874 | 06798 | 80 |
| 30 | 17249 | 10466 | 89534 | 06784 | 70 |
| 40 | 17575 | 10806 | 89194 | 06769 | 60 |
| 50 | 17901 | 11146 | 88854 | 06755 | 50 |
| 60 | 18227 | 11486 | 88514 | 06741 | 40 |
| 70 | 18552 | 11826 | 88174 | 06726 | 30 |
| 80 | 18878 | 12166 | 87834 | 06712 | 20 |
| 90 | 19203 | 12506 | 87494 | 06698 | 10 |
| **15 oo** | 19529 | 12845 | 87155 | 06684 | **85 oo** |
| | **9.31** | **9.32** | **0.67** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 325 | 339 | 339 | 15 | |

| 13g | 326 | 340 | 340 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.31** | **9.32** | **0.67** | **9.99** | |
| **15 oo** | 19529 | 12845 | 87155 | 06684 | **85 oo** |
| 10 | 19854 | 13185 | 86815 | 06669 | 90 |
| 20 | 20180 | 13525 | 86475 | 06655 | 80 |
| 30 | 20505 | 13865 | 86135 | 06641 | 70 |
| 40 | 20831 | 14205 | 85795 | 06626 | 60 |
| 50 | 21156 | 14544 | 85456 | 06612 | 50 |
| 60 | 21482 | 14884 | 85116 | 06598 | 40 |
| 70 | 21807 | 15224 | 84776 | 06583 | 30 |
| 80 | 22133 | 15563 | 84437 | 06569 | 20 |
| 90 | 22458 | 15903 | 84097 | 06555 | 10 |
| **16 oo** | 22783 | 16243 | 83757 | 06541 | **84 oo** |
| 10 | 23108 | 16582 | 83418 | 06526 | 90 |
| 20 | 23434 | 16922 | 83078 | 06512 | 80 |
| 30 | 23759 | 17261 | 82739 | 06498 | 70 |
| 40 | 24084 | 17601 | 82399 | 06483 | 60 |
| 50 | 24409 | 17940 | 82060 | 06469 | 50 |
| 60 | 24734 | 18280 | 81720 | 06455 | 40 |
| 70 | 25060 | 18619 | 81381 | 06440 | 30 |
| 80 | 25385 | 18959 | 81041 | 06426 | 20 |
| 90 | 25710 | 19298 | 80702 | 06412 | 10 |
| **17 oo** | 26035 | 19637 | 80363 | 06397 | **83 oo** |
| 10 | 26360 | 19977 | 80023 | 06383 | 90 |
| 20 | 26685 | 20316 | 79684 | 06369 | 80 |
| 30 | 27010 | 20655 | 79345 | 06354 | 70 |
| 40 | 27335 | 20995 | 79005 | 06340 | 60 |
| 50 | 27660 | 21334 | 78666 | 06326 | 50 |
| 60 | 27985 | 21673 | 78327 | 06311 | 40 |
| 70 | 28310 | 22012 | 77988 | 06297 | 30 |
| 80 | 28634 | 22352 | 77648 | 06283 | 20 |
| 90 | 28959 | 22691 | 77309 | 06268 | 10 |
| **18 oo** | 29284 | 23030 | 76970 | 06254 | **82 oo** |
| 10 | 29609 | 23369 | 76631 | 06240 | 90 |
| 20 | 29934 | 23708 | 76292 | 06226 | 80 |
| 30 | 30258 | 24047 | 75953 | 06211 | 70 |
| 40 | 30583 | 24386 | 75614 | 06197 | 60 |
| 50 | 30908 | 24725 | 75275 | 06183 | 50 |
| 60 | 31232 | 25064 | 74936 | 06168 | 40 |
| 70 | 31557 | 25403 | 74597 | 06154 | 30 |
| 80 | 31882 | 25742 | 74258 | 06140 | 20 |
| 90 | 32206 | 26081 | 73919 | 06125 | 10 |
| **19 oo** | 32531 | 26420 | 73580 | 06111 | **81 oo** |
| 10 | 32855 | 26759 | 73241 | 06096 | 90 |
| 20 | 33180 | 27098 | 72902 | 06082 | 80 |
| 30 | 33504 | 27436 | 72564 | 06068 | 70 |
| 40 | 33829 | 27775 | 72225 | 06053 | 60 |
| 50 | 34153 | 28114 | 71886 | 06039 | 50 |
| 60 | 34477 | 28453 | 71547 | 06025 | 40 |
| 70 | 34802 | 28791 | 71209 | 06010 | 30 |
| 80 | 35126 | 29130 | 70870 | 05996 | 20 |
| 90 | 35450 | 29469 | 70531 | 05982 | 10 |
| **20 oo** | 35775 | 29807 | 70193 | 05967 | **80 oo** |
| | **9.31** | **9.32** | **0.67** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 324 | 338 | 338 | 15 | |

| | 341 | 340 | 339 | 338 | 327 | 326 | 325 | 324 | 15 | 14 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 34,1 | 34,0 | 33,9 | 33,8 | 32,7 | 32,6 | 32,5 | 32,4 | 1,5 | 1,4 | 1 |
| 2 | 68,2 | 68,0 | 67,8 | 67,6 | 65,4 | 65,2 | 65,0 | 64,8 | 3,0 | 2,8 | 2 |
| 3 | 102,3 | 102,0 | 101,7 | 101,4 | 98,1 | 97,8 | 97,5 | 97,2 | 4,5 | 4,2 | 3 |
| 4 | 136,4 | 136,0 | 135,6 | 135,2 | 130,8 | 130,4 | 130,0 | 129,6 | 6,0 | 5,6 | 4 |
| 5 | 170,5 | 170,0 | 169,5 | 169,0 | 163,5 | 163,0 | 162,5 | 162,0 | 7,5 | 7,0 | 5 |
| 6 | 204,6 | 204,0 | 203,4 | 202,8 | 196,2 | 195,6 | 195,0 | 194,4 | 9,0 | 8,4 | 6 |
| 7 | 238,7 | 238,0 | 237,3 | 236,6 | 228,9 | 228,2 | 227,5 | 226,8 | 10,5 | 9,8 | 7 |
| 8 | 272,8 | 272,0 | 271,2 | 270,4 | 261,6 | 260,8 | 260,0 | 259,2 | 12,0 | 11,2 | 8 |
| 9 | 306,9 | 306,0 | 305,1 | 304,2 | 294,3 | 293,4 | 292,5 | 291,6 | 13,5 | 12,6 | 9 |

| 13g | 325 | 339 | 339 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.31** | **9.32** | **0.67** | **9.99** | |
| **20 00** | 35775 | 29807 | 70193 | 05967 | **80 00** |
| 10 | 36099 | 30146 | 69854 | 05953 | 90 |
| 20 | 36423 | 30485 | 69515 | 05939 | 80 |
| 30 | 36747 | 30823 | 69177 | 05924 | 70 |
| 40 | 37072 | 31162 | 68838 | 05910 | 60 |
| 50 | 37396 | 31500 | 68500 | 05896 | 50 |
| 60 | 37720 | 31839 | 68161 | 05881 | 40 |
| 70 | 38044 | 32177 | 67823 | 05867 | 30 |
| 80 | 38368 | 32516 | 67484 | 05853 | 20 |
| 90 | 38692 | 32854 | 67146 | 05838 | 10 |
| **21 00** | 39016 | 33192 | 66808 | 05824 | **79 00** |
| 10 | 39340 | 33531 | 66469 | 05809 | 90 |
| 20 | 39664 | 33869 | 66131 | 05795 | 80 |
| 30 | 39988 | 34208 | 65792 | 05781 | 70 |
| 40 | 40312 | 34546 | 65454 | 05766 | 60 |
| 50 | 40636 | 34884 | 65116 | 05752 | 50 |
| 60 | 40960 | 35222 | 64778 | 05738 | 40 |
| 70 | 41284 | 35561 | 64439 | 05723 | 30 |
| 80 | 41608 | 35899 | 64101 | 05709 | 20 |
| 90 | 41932 | 36237 | 63763 | 05694 | 10 |
| **22 00** | 42255 | 36575 | 63425 | 05680 | **78 00** |
| 10 | 42579 | 36913 | 63087 | 05666 | 90 |
| 20 | 42903 | 37251 | 62749 | 05651 | 80 |
| 30 | 43227 | 37590 | 62410 | 05637 | 70 |
| 40 | 43550 | 37928 | 62072 | 05623 | 60 |
| 50 | 43874 | 38266 | 61734 | 05608 | 50 |
| 60 | 44198 | 38604 | 61396 | 05594 | 40 |
| 70 | 44521 | 38942 | 61058 | 05579 | 30 |
| 80 | 44845 | 39280 | 60720 | 05565 | 20 |
| 90 | 45168 | 39618 | 60382 | 05551 | 10 |
| **23 00** | 45492 | 39956 | 60044 | 05536 | **77 00** |
| 10 | 45815 | 40293 | 59707 | 05522 | 90 |
| 20 | 46139 | 40631 | 59369 | 05508 | 80 |
| 30 | 46462 | 40969 | 59031 | 05493 | 70 |
| 40 | 46786 | 41307 | 58693 | 05479 | 60 |
| 50 | 47109 | 41645 | 58355 | 05464 | 50 |
| 60 | 47433 | 41983 | 58017 | 05450 | 40 |
| 70 | 47756 | 42320 | 57680 | 05436 | 30 |
| 80 | 48079 | 42658 | 57342 | 05421 | 20 |
| 90 | 48403 | 42996 | 57004 | 05407 | 10 |
| **24 00** | 48726 | 43333 | 56667 | 05392 | **76 00** |
| 10 | 49049 | 43671 | 56329 | 05378 | 90 |
| 20 | 49372 | 44009 | 55991 | 05364 | 80 |
| 30 | 49696 | 44346 | 55654 | 05349 | 70 |
| 40 | 50019 | 44684 | 55316 | 05335 | 60 |
| 50 | 50342 | 45021 | 54979 | 05320 | 50 |
| 60 | 50665 | 45359 | 54641 | 05306 | 40 |
| 70 | 50988 | 45697 | 54303 | 05292 | 30 |
| 80 | 51311 | 46034 | 53966 | 05277 | 20 |
| 90 | 51634 | 46371 | 53629 | 05263 | 10 |
| **25 00** | 51957 | 46709 | 53291 | 05248 | **75 00** |
| | **9.31** | **9.32** | **0.67** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 323 | 337 | 337 | 15 | |

| 13g | 323 | 338 | 338 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.31** | **9.32** | **0.67** | **9.99** | |
| **25 00** | 51957 | 46709 | 53291 | 05248 | **75 00** |
| 10 | 52280 | 47046 | 52954 | 05234 | 90 |
| 20 | 52603 | 47384 | 52616 | 05220 | 80 |
| 30 | 52926 | 47721 | 52279 | 05205 | 70 |
| 40 | 53249 | 48058 | 51942 | 05191 | 60 |
| 50 | 53572 | 48396 | 51604 | 05176 | 50 |
| 60 | 53895 | 48733 | 51267 | 05162 | 40 |
| 70 | 54218 | 49070 | 50930 | 05148 | 30 |
| 80 | 54541 | 49408 | 50592 | 05133 | 20 |
| 90 | 54864 | 49745 | 50255 | 05119 | 10 |
| **26 00** | 55186 | 50082 | 49918 | 05104 | **74 00** |
| 10 | 55509 | 50419 | 49581 | 05090 | 90 |
| 20 | 55832 | 50756 | 49244 | 05075 | 80 |
| 30 | 56154 | 51093 | 48907 | 05061 | 70 |
| 40 | 56477 | 51431 | 48569 | 05047 | 60 |
| 50 | 56800 | 51768 | 48232 | 05032 | 50 |
| 60 | 57122 | 52105 | 47895 | 05018 | 40 |
| 70 | 57445 | 52442 | 47558 | 05003 | 30 |
| 80 | 57768 | 52779 | 47221 | 04989 | 20 |
| 90 | 58090 | 53116 | 46884 | 04974 | 10 |
| **27 00** | 58413 | 53453 | 46547 | 04960 | **73 00** |
| 10 | 58735 | 53790 | 46210 | 04946 | 90 |
| 20 | 59058 | 54127 | 45873 | 04931 | 80 |
| 30 | 59380 | 54463 | 45537 | 04917 | 70 |
| 40 | 59703 | 54800 | 45200 | 04902 | 60 |
| 50 | 60025 | 55137 | 44863 | 04888 | 50 |
| 60 | 60347 | 55474 | 44526 | 04873 | 40 |
| 70 | 60670 | 55811 | 44189 | 04859 | 30 |
| 80 | 60992 | 56148 | 43852 | 04845 | 20 |
| 90 | 61314 | 56484 | 43516 | 04830 | 10 |
| **28 00** | 61637 | 56821 | 43179 | 04816 | **72 00** |
| 10 | 61959 | 57158 | 42842 | 04801 | 90 |
| 20 | 62281 | 57494 | 42506 | 04787 | 80 |
| 30 | 62603 | 57831 | 42169 | 04772 | 70 |
| 40 | 62926 | 58168 | 41832 | 04758 | 60 |
| 50 | 63248 | 58504 | 41496 | 04743 | 50 |
| 60 | 63570 | 58841 | 41159 | 04729 | 40 |
| 70 | 63892 | 59177 | 40823 | 04715 | 30 |
| 80 | 64214 | 59514 | 40486 | 04700 | 20 |
| 90 | 64536 | 59850 | 40150 | 04686 | 10 |
| **29 00** | 64858 | 60187 | 39813 | 04671 | **71 00** |
| 10 | 65180 | 60523 | 39477 | 04657 | 90 |
| 20 | 65502 | 60860 | 39140 | 04642 | 80 |
| 30 | 65824 | 61196 | 38804 | 04628 | 70 |
| 40 | 66146 | 61533 | 38467 | 04613 | 60 |
| 50 | 66468 | 61869 | 38131 | 04599 | 50 |
| 60 | 66790 | 62205 | 37795 | 04585 | 40 |
| 70 | 67112 | 62542 | 37458 | 04570 | 30 |
| 80 | 67434 | 62878 | 37122 | 04556 | 20 |
| 90 | 67755 | 63214 | 36786 | 04541 | 10 |
| **30 00** | 68077 | 63551 | 36449 | 04527 | **70 00** |
| | **9.31** | **9.32** | **0.67** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 321 | 336 | 336 | 15 | |

| | 339 | 338 | 337 | 336 | 325 | 324 | 323 | 322 | 321 | 15 | 14 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33,9 | 33,8 | 33,7 | 33,6 | 32,5 | 32,4 | 32,3 | 32,2 | 32,1 | 1,5 | 1,4 | 1 |
| 2 | 67,8 | 67,6 | 67,4 | 67,2 | 65,0 | 64,8 | 64,6 | 64,4 | 64,2 | 3,0 | 2,8 | 2 |
| 3 | 101,7 | 101,4 | 101,1 | 100,8 | 97,5 | 97,2 | 96,9 | 96,6 | 96,3 | 4,5 | 4,2 | 3 |
| 4 | 135,6 | 135,2 | 134,8 | 134,4 | 130,0 | 129,6 | 129,2 | 128,8 | 128,4 | 6,0 | 5,6 | 4 |
| 5 | 169,5 | 169,0 | 168,5 | 168,0 | 162,5 | 162,0 | 161,5 | 161,0 | 160,5 | 7,5 | 7,0 | 5 |
| 6 | 203,4 | 202,8 | 202,2 | 201,6 | 195,0 | 194,4 | 193,8 | 193,2 | 192,6 | 9,0 | 8,4 | 6 |
| 7 | 237,3 | 236,6 | 235,9 | 235,2 | 227,5 | 226,8 | 226,1 | 225,4 | 224,7 | 10,5 | 9,8 | 7 |
| 8 | 271,2 | 270,4 | 269,6 | 268,8 | 260,0 | 259,2 | 258,4 | 257,6 | 256,8 | 12,0 | 11,2 | 8 |
| 9 | 305,1 | 304,2 | 303,3 | 302,4 | 292,5 | 291,6 | 290,7 | 289,8 | 288,9 | 13,5 | 12,6 | 9 |

| 13g | 322 | 337 | 337 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.31** | **9.32** | **0.67** | **9.99** | |
| **30 oo** | 68077 | 63551 | 36449 | 04527 | **70 oo** |
| 10 | 68399 | 63887 | 36113 | 04512 | 90 |
| 20 | 68721 | 64223 | 35777 | 04498 | 80 |
| 30 | 69042 | 64559 | 35441 | 04483 | 70 |
| 40 | 69364 | 64895 | 35105 | 04469 | 60 |
| 50 | 69686 | 65231 | 34769 | 04454 | 50 |
| 60 | 70007 | 65567 | 34433 | 04440 | 40 |
| 70 | 70329 | 65904 | 34096 | 04425 | 30 |
| 80 | 70651 | 66240 | 33760 | 04411 | 20 |
| 90 | 70972 | 66576 | 33424 | 04396 | 10 |
| **31 oo** | 71294 | 66912 | 33088 | 04382 | **69 oo** |
| 10 | 71615 | 67248 | 32752 | 04368 | 90 |
| 20 | 71937 | 67584 | 32416 | 04353 | 80 |
| 30 | 72258 | 67920 | 32080 | 04339 | 70 |
| 40 | 72580 | 68255 | 31745 | 04324 | 60 |
| 50 | 72901 | 68591 | 31409 | 04310 | 50 |
| 60 | 73222 | 68927 | 31073 | 04295 | 40 |
| 70 | 73544 | 69263 | 30737 | 04281 | 30 |
| 80 | 73865 | 69599 | 30401 | 04266 | 20 |
| 90 | 74186 | 69935 | 30065 | 04252 | 10 |
| **32 oo** | 74508 | 70270 | 29730 | 04237 | **68 oo** |
| 10 | 74829 | 70606 | 29394 | 04223 | 90 |
| 20 | 75150 | 70942 | 29058 | 04208 | 80 |
| 30 | 75471 | 71278 | 28722 | 04194 | 70 |
| 40 | 75793 | 71613 | 28387 | 04179 | 60 |
| 50 | 76114 | 71949 | 28051 | 04165 | 50 |
| 60 | 76435 | 72285 | 27715 | 04150 | 40 |
| 70 | 76756 | 72620 | 27380 | 04136 | 30 |
| 80 | 77077 | 72956 | 27044 | 04121 | 20 |
| 90 | 77398 | 73291 | 26709 | 04107 | 10 |
| **33 oo** | 77719 | 73627 | 26373 | 04092 | **67 oo** |
| 10 | 78040 | 73962 | 26038 | 04078 | 90 |
| 20 | 78361 | 74298 | 25702 | 04063 | 80 |
| 30 | 78682 | 74633 | 25367 | 04049 | 70 |
| 40 | 79003 | 74969 | 25031 | 04034 | 60 |
| 50 | 79324 | 75304 | 24696 | 04020 | 50 |
| 60 | 79645 | 75640 | 24360 | 04005 | 40 |
| 70 | 79966 | 75975 | 24025 | 03991 | 30 |
| 80 | 80287 | 76310 | 23690 | 03976 | 20 |
| 90 | 80607 | 76646 | 23354 | 03962 | 10 |
| **34 oo** | 80928 | 76981 | 23019 | 03947 | **66 oo** |
| 10 | 81249 | 77316 | 22684 | 03933 | 90 |
| 20 | 81570 | 77651 | 22349 | 03918 | 80 |
| 30 | 81890 | 77987 | 22013 | 03904 | 70 |
| 40 | 82211 | 78322 | 21678 | 03889 | 60 |
| 50 | 82532 | 78657 | 21343 | 03875 | 50 |
| 60 | 82852 | 78992 | 21008 | 03860 | 40 |
| 70 | 83173 | 79327 | 20673 | 03846 | 30 |
| 80 | 83494 | 79662 | 20338 | 03831 | 20 |
| 90 | 83814 | 79998 | 20002 | 03817 | 10 |
| **35 oo** | 84135 | 80333 | 19667 | 03802 | **65 oo** |
| | **9.31** | **9.32** | **0.67** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 320 | 335 | 335 | 15 | |

| 13g | 321 | 335 | 335 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.31** | **9.32** | **0.67** | **9.99** | |
| **35 oo** | 84135 | 80333 | 19667 | 03802 | **65 oo** |
| 10 | 84455 | 80668 | 19332 | 03788 | 90 |
| 20 | 84776 | 81003 | 18997 | 03773 | 80 |
| 30 | 85096 | 81338 | 18662 | 03759 | 70 |
| 40 | 85417 | 81673 | 18327 | 03744 | 60 |
| 50 | 85737 | 82008 | 17992 | 03730 | 50 |
| 60 | 86057 | 82343 | 17657 | 03715 | 40 |
| 70 | 86378 | 82677 | 17323 | 03700 | 30 |
| 80 | 86698 | 83012 | 16988 | 03686 | 20 |
| 90 | 87019 | 83347 | 16653 | 03671 | 10 |
| **36 oo** | 87339 | 83682 | 16318 | 03657 | **64 oo** |
| 10 | 87659 | 84017 | 15983 | 03642 | 90 |
| 20 | 87979 | 84352 | 15648 | 03628 | 80 |
| 30 | 88300 | 84686 | 15314 | 03613 | 70 |
| 40 | 88620 | 85021 | 14979 | 03599 | 60 |
| 50 | 88940 | 85356 | 14644 | 03584 | 50 |
| 60 | 89260 | 85690 | 14310 | 03570 | 40 |
| 70 | 89580 | 86025 | 13975 | 03555 | 30 |
| 80 | 89900 | 86360 | 13640 | 03541 | 20 |
| 90 | 90220 | 86694 | 13306 | 03526 | 10 |
| **37 oo** | 90540 | 87029 | 12971 | 03512 | **63 oo** |
| 10 | 90860 | 87363 | 12637 | 03497 | 90 |
| 20 | 91180 | 87698 | 12302 | 03482 | 80 |
| 30 | 91500 | 88033 | 11967 | 03468 | 70 |
| 40 | 91820 | 88367 | 11633 | 03453 | 60 |
| 50 | 92140 | 88702 | 11298 | 03439 | 50 |
| 60 | 92460 | 89036 | 10964 | 03424 | 40 |
| 70 | 92780 | 89370 | 10630 | 03410 | 30 |
| 80 | 93100 | 89705 | 10295 | 03395 | 20 |
| 90 | 93420 | 90039 | 09961 | 03381 | 10 |
| **38 oo** | 93740 | 90374 | 09626 | 03366 | **62 oo** |
| 10 | 94059 | 90708 | 09292 | 03351 | 90 |
| 20 | 94379 | 91042 | 08958 | 03337 | 80 |
| 30 | 94699 | 91376 | 08624 | 03322 | 70 |
| 40 | 95019 | 91711 | 08289 | 03308 | 60 |
| 50 | 95338 | 92045 | 07955 | 03293 | 50 |
| 60 | 95658 | 92379 | 07621 | 03279 | 40 |
| 70 | 95978 | 92713 | 07287 | 03264 | 30 |
| 80 | 96297 | 93048 | 06952 | 03250 | 20 |
| 90 | 96617 | 93382 | 06618 | 03235 | 10 |
| **39 oo** | 96936 | 93716 | 06284 | 03220 | **61 oo** |
| 10 | 97256 | 94050 | 05950 | 03206 | 90 |
| 20 | 97575 | 94384 | 05616 | 03191 | 80 |
| 30 | 97895 | 94718 | 05282 | 03177 | 70 |
| 40 | 98214 | 95052 | 04948 | 03162 | 60 |
| 50 | 98534 | 95386 | 04614 | 03148 | 50 |
| 60 | 98853 | 95720 | 04280 | 03133 | 40 |
| 70 | 99172 | 96054 | 03946 | 03118 | 30 |
| 80 | 99492 | 96388 | 03612 | 03104 | 20 |
| 90 | 99811 | 96722 | 03278 | 03089 | 10 |
| **40 oo** | ∗00130 | 97056 | 02944 | 03075 | **60 oo** |
| | ∗**9.32** | **9.32** | **0.67** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 319 | 334 | 334 | 15 | |

| | 337 | 336 | 335 | 334 | 322 | 321 | 320 | 319 | 15 | 14 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33,7 | 33,6 | 33,5 | 33,4 | 32,2 | 32,1 | 32,0 | 31,9 | 1,5 | 1,4 | 1 |
| 2 | 67,4 | 67,2 | 67,0 | 66,8 | 64,4 | 64,2 | 64,0 | 63,8 | 3,0 | 2,8 | 2 |
| 3 | 101,1 | 100,8 | 100,5 | 100,2 | 96,6 | 96,3 | 96,0 | 95,7 | 4,5 | 4,2 | 3 |
| 4 | 134,8 | 134,4 | 134,0 | 133,6 | 128,8 | 128,4 | 128,0 | 127,6 | 6,0 | 5,6 | 4 |
| 5 | 168,5 | 168,0 | 167,5 | 167,0 | 161,0 | 160,5 | 160,0 | 159,5 | 7,5 | 7,0 | 5 |
| 6 | 202,2 | 201,6 | 201,0 | 200,4 | 193,2 | 192,6 | 192,0 | 191,4 | 9,0 | 8,4 | 6 |
| 7 | 235,9 | 235,2 | 234,5 | 233,8 | 225,4 | 224,7 | 224,0 | 223,3 | 10,5 | 9,8 | 7 |
| 8 | 269,6 | 268,8 | 268,0 | 267,2 | 257,6 | 256,8 | 256,0 | 255,2 | 12,0 | 11,2 | 8 |
| 9 | 303,3 | 302,4 | 301,5 | 300,6 | 289,8 | 288,9 | 288,0 | 287,1 | 13,5 | 12,6 | 9 |

| 13g | 320 | 334 | 334 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.32** | ∗**9.32** | ∗**0.67** | **9.99** | |
| **40 oo** | 00130 | ∗97056 | ∗02944 | 03075 | **60 oo** |
| 10 | 00450 | ∗97390 | ∗02610 | 03060 | 90 |
| 20 | 00769 | ∗97723 | ∗02277 | 03046 | 80 |
| 30 | 01088 | ∗98057 | ∗01943 | 03031 | 70 |
| 40 | 01407 | ∗98391 | ∗01609 | 03016 | 60 |
| 50 | 01727 | ∗98725 | ∗01275 | 03002 | 50 |
| 60 | 02046 | ∗99059 | ∗00941 | 02987 | 40 |
| 70 | 02365 | ∗99392 | ∗00608 | 02973 | 30 |
| 80 | 02684 | ∗99726 | ∗00274 | 02958 | 20 |
| 90 | 03003 | 00060 | 99940 | 02944 | 10 |
| **41 oo** | 03322 | 00393 | 99607 | 02929 | **59 oo** |
| 10 | 03641 | 00727 | 99273 | 02914 | 90 |
| 20 | 03960 | 01061 | 98939 | 02900 | 80 |
| 30 | 04279 | 01394 | 98606 | 02885 | 70 |
| 40 | 04598 | 01728 | 98272 | 02871 | 60 |
| 50 | 04917 | 02061 | 97939 | 02856 | 50 |
| 60 | 05236 | 02395 | 97605 | 02841 | 40 |
| 70 | 05555 | 02728 | 97272 | 02827 | 30 |
| 80 | 05874 | 03062 | 96938 | 02812 | 20 |
| 90 | 06193 | 03395 | 96605 | 02798 | 10 |
| **42 oo** | 06512 | 03729 | 96271 | 02783 | **58 oo** |
| 10 | 06830 | 04062 | 95938 | 02768 | 90 |
| 20 | 07149 | 04395 | 95605 | 02754 | 80 |
| 30 | 07468 | 04729 | 95271 | 02739 | 70 |
| 40 | 07787 | 05062 | 94938 | 02725 | 60 |
| 50 | 08105 | 05395 | 94605 | 02710 | 50 |
| 60 | 08424 | 05729 | 94271 | 02695 | 40 |
| 70 | 08743 | 06062 | 93938 | 02681 | 30 |
| 80 | 09061 | 06395 | 93605 | 02666 | 20 |
| 90 | 09380 | 06728 | 93272 | 02652 | 10 |
| **43 oo** | 09698 | 07061 | 92939 | 02637 | **57 oo** |
| 10 | 10017 | 07395 | 92605 | 02622 | 90 |
| 20 | 10336 | 07728 | 92272 | 02608 | 80 |
| 30 | 10654 | 08061 | 91939 | 02593 | 70 |
| 40 | 10973 | 08394 | 91606 | 02579 | 60 |
| 50 | 11291 | 08727 | 91273 | 02564 | 50 |
| 60 | 11609 | 09060 | 90940 | 02549 | 40 |
| 70 | 11928 | 09393 | 90607 | 02535 | 30 |
| 80 | 12246 | 09726 | 90274 | 02520 | 20 |
| 90 | 12565 | 10059 | 89941 | 02505 | 10 |
| **44 oo** | 12883 | 10392 | 89608 | 02491 | **56 oo** |
| 10 | 13201 | 10725 | 89275 | 02476 | 90 |
| 20 | 13519 | 11058 | 88942 | 02462 | 80 |
| 30 | 13838 | 11391 | 88609 | 02447 | 70 |
| 40 | 14156 | 11724 | 88276 | 02432 | 60 |
| 50 | 14474 | 12056 | 87944 | 02418 | 50 |
| 60 | 14792 | 12389 | 87611 | 02403 | 40 |
| 70 | 15111 | 12722 | 87278 | 02388 | 30 |
| 80 | 15429 | 13055 | 86945 | 02374 | 20 |
| 90 | 15747 | 13388 | 86612 | 02359 | 10 |
| **45 oo** | 16065 | 13720 | 86280 | 02345 | **55 oo** |
| | **9.32** | **9.33** | **0.66** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 318 | 332 | 332 | 15 | |

| 13g | 318 | 333 | 333 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.32** | **9.33** | **0.66** | **9.99** | |
| **45 oo** | 16065 | 13720 | 86280 | 02345 | **55 oo** |
| 10 | 16383 | 14053 | 85947 | 02330 | 90 |
| 20 | 16701 | 14386 | 85614 | 02315 | 80 |
| 30 | 17019 | 14718 | 85282 | 02301 | 70 |
| 40 | 17337 | 15051 | 84949 | 02286 | 60 |
| 50 | 17655 | 15384 | 84616 | 02271 | 50 |
| 60 | 17973 | 15716 | 84284 | 02257 | 40 |
| 70 | 18291 | 16049 | 83951 | 02242 | 30 |
| 80 | 18609 | 16381 | 83619 | 02228 | 20 |
| 90 | 18927 | 16714 | 83286 | 02213 | 10 |
| **46 oo** | 19244 | 17046 | 82954 | 02198 | **54 oo** |
| 10 | 19562 | 17379 | 82621 | 02184 | 90 |
| 20 | 19880 | 17711 | 82289 | 02169 | 80 |
| 30 | 20198 | 18043 | 81957 | 02154 | 70 |
| 40 | 20516 | 18376 | 81624 | 02140 | 60 |
| 50 | 20833 | 18708 | 81292 | 02125 | 50 |
| 60 | 21151 | 19041 | 80959 | 02110 | 40 |
| 70 | 21469 | 19373 | 80627 | 02096 | 30 |
| 80 | 21786 | 19705 | 80295 | 02081 | 20 |
| 90 | 22104 | 20038 | 79962 | 02066 | 10 |
| **47 oo** | 22422 | 20370 | 79630 | 02052 | **53 oo** |
| 10 | 22739 | 20702 | 79298 | 02037 | 90 |
| 20 | 23057 | 21034 | 78966 | 02022 | 80 |
| 30 | 23374 | 21366 | 78634 | 02008 | 70 |
| 40 | 23692 | 21699 | 78301 | 01993 | 60 |
| 50 | 24009 | 22031 | 77969 | 01978 | 50 |
| 60 | 24327 | 22363 | 77637 | 01964 | 40 |
| 70 | 24644 | 22695 | 77305 | 01949 | 30 |
| 80 | 24961 | 23027 | 76973 | 01934 | 20 |
| 90 | 25279 | 23359 | 76641 | 01920 | 10 |
| **48 oo** | 25596 | 23691 | 76309 | 01905 | **52 oo** |
| 10 | 25914 | 24023 | 75977 | 01891 | 90 |
| 20 | 26231 | 24355 | 75645 | 01876 | 80 |
| 30 | 26548 | 24687 | 75313 | 01861 | 70 |
| 40 | 26865 | 25019 | 74981 | 01847 | 60 |
| 50 | 27183 | 25351 | 74649 | 01832 | 50 |
| 60 | 27500 | 25683 | 74317 | 01817 | 40 |
| 70 | 27817 | 26015 | 73985 | 01802 | 30 |
| 80 | 28134 | 26346 | 73654 | 01788 | 20 |
| 90 | 28451 | 26678 | 73322 | 01773 | 10 |
| **49 oo** | 28768 | 27010 | 72990 | 01758 | **51 oo** |
| 10 | 29086 | 27342 | 72658 | 01744 | 90 |
| 20 | 29403 | 27674 | 72326 | 01729 | 80 |
| 30 | 29720 | 28005 | 71995 | 01714 | 70 |
| 40 | 30037 | 28337 | 71663 | 01700 | 60 |
| 50 | 30354 | 28669 | 71331 | 01685 | 50 |
| 60 | 30671 | 29000 | 71000 | 01670 | 40 |
| 70 | 30988 | 29332 | 70668 | 01656 | 30 |
| 80 | 31305 | 29664 | 70336 | 01641 | 20 |
| 90 | 31621 | 29995 | 70005 | 01626 | 10 |
| **50 oo** | 31938 | 30327 | 69673 | 01612 | **50 oo** |
| | **9.32** | **9.33** | **0.66** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 316 | 331 | 331 | 15 | |

| | 334 | 333 | 332 | 331 | 320 | 319 | 318 | 317 | 316 | 15 | 14 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33,4 | 33,3 | 33,2 | 33,1 | 32,0 | 31,9 | 31,8 | 31,7 | 31,6 | 1,5 | 1,4 | 1 |
| 2 | 66,8 | 66,6 | 66,4 | 66,2 | 64,0 | 63,8 | 63,6 | 63,4 | 63,2 | 3,0 | 2,8 | 2 |
| 3 | 100,2 | 99,9 | 99,6 | 99,3 | 96,0 | 95,7 | 95,4 | 95,1 | 94,8 | 4,5 | 4,2 | 3 |
| 4 | 133,6 | 133,2 | 132,8 | 132,4 | 128,0 | 127,6 | 127,2 | 126,8 | 126,4 | 6,0 | 5,6 | 4 |
| 5 | 167,0 | 166,5 | 166,0 | 165,5 | 160,0 | 159,5 | 159,0 | 158,5 | 158,0 | 7,5 | 7,0 | 5 |
| 6 | 200,4 | 199,8 | 199,2 | 198,6 | 192,0 | 191,4 | 190,8 | 190,2 | 189,6 | 9,0 | 8,4 | 6 |
| 7 | 233,8 | 233,1 | 232,4 | 231,7 | 224,0 | 223,3 | 222,6 | 221,9 | 221,2 | 10,5 | 9,8 | 7 |
| 8 | 267,2 | 266,4 | 265,6 | 264,8 | 256,0 | 255,2 | 254,4 | 253,6 | 252,8 | 12,0 | 11,2 | 8 |
| 9 | 300,6 | 299,7 | 298,8 | 297,9 | 288,0 | 287,1 | 286,2 | 285,3 | 284,4 | 13,5 | 12,6 | 9 |

| 13g | 317 | 332 | 332 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.32** | **9.33** | **0.66** | **9.99** | |
| **50 oo** | 31938 | 30327 | 69673 | 01612 | **50 oo** |
| 10 | 32255 | 30658 | 69342 | 01597 | 90 |
| 20 | 32572 | 30990 | 69010 | 01582 | 80 |
| 30 | 32889 | 31321 | 68679 | 01568 | 70 |
| 40 | 33206 | 31653 | 68347 | 01553 | 60 |
| 50 | 33522 | 31984 | 68016 | 01538 | 50 |
| 60 | 33839 | 32316 | 67684 | 01524 | 40 |
| 70 | 34156 | 32647 | 67353 | 01509 | 30 |
| 80 | 34472 | 32978 | 67022 | 01494 | 20 |
| 90 | 34789 | 33310 | 66690 | 01479 | 10 |
| **51 oo** | 35106 | 33641 | 66359 | 01465 | **49 oo** |
| 10 | 35422 | 33972 | 66028 | 01450 | 90 |
| 20 | 35739 | 34304 | 65696 | 01435 | 80 |
| 30 | 36055 | 34635 | 65365 | 01421 | 70 |
| 40 | 36372 | 34966 | 65034 | 01406 | 60 |
| 50 | 36689 | 35297 | 64703 | 01391 | 50 |
| 60 | 37005 | 35629 | 64371 | 01377 | 40 |
| 70 | 37322 | 35960 | 64040 | 01362 | 30 |
| 80 | 37638 | 36291 | 63709 | 01347 | 20 |
| 90 | 37954 | 36622 | 63378 | 01332 | 10 |
| **52 oo** | 38271 | 36953 | 63047 | 01318 | **48 oo** |
| 10 | 38587 | 37284 | 62716 | 01303 | 90 |
| 20 | 38903 | 37615 | 62385 | 01288 | 80 |
| 30 | 39220 | 37946 | 62054 | 01274 | 70 |
| 40 | 39536 | 38277 | 61723 | 01259 | 60 |
| 50 | 39852 | 38608 | 61392 | 01244 | 50 |
| 60 | 40169 | 38939 | 61061 | 01229 | 40 |
| 70 | 40485 | 39270 | 60730 | 01215 | 30 |
| 80 | 40801 | 39601 | 60399 | 01200 | 20 |
| 90 | 41117 | 39932 | 60068 | 01185 | 10 |
| **53 oo** | 41433 | 40263 | 59737 | 01171 | **47 oo** |
| 10 | 41749 | 40594 | 59406 | 01156 | 90 |
| 20 | 42066 | 40924 | 59076 | 01141 | 80 |
| 30 | 42382 | 41255 | 58745 | 01126 | 70 |
| 40 | 42698 | 41586 | 58414 | 01112 | 60 |
| 50 | 43014 | 41917 | 58083 | 01097 | 50 |
| 60 | 43330 | 42248 | 57752 | 01082 | 40 |
| 70 | 43646 | 42578 | 57422 | 01067 | 30 |
| 80 | 43962 | 42909 | 57091 | 01053 | 20 |
| 90 | 44278 | 43240 | 56760 | 01038 | 10 |
| **54 oo** | 44594 | 43570 | 56430 | 01023 | **46 oo** |
| 10 | 44909 | 43901 | 56099 | 01009 | 90 |
| 20 | 45225 | 44231 | 55769 | 00994 | 80 |
| 30 | 45541 | 44562 | 55438 | 00979 | 70 |
| 40 | 45857 | 44893 | 55107 | 00964 | 60 |
| 50 | 46173 | 45223 | 54777 | 00950 | 50 |
| 60 | 46488 | 45554 | 54446 | 00935 | 40 |
| 70 | 46804 | 45884 | 54116 | 00920 | 30 |
| 80 | 47120 | 46215 | 53785 | 00905 | 20 |
| 90 | 47436 | 46545 | 53455 | 00891 | 10 |
| **55 oo** | 47751 | 46875 | 53125 | 00876 | **45 oo** |
| | **9.32** | **9.33** | **0.66** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 315 | 330 | 330 | 15 | |

| 13g | 316 | 331 | 331 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.32** | **9.33** | **0.66** | **9.99** | |
| **55 oo** | 47751 | 46875 | 53125 | 00876 | **45 oo** |
| 10 | 48067 | 47206 | 52794 | 00861 | 90 |
| 20 | 48383 | 47536 | 52464 | 00846 | 80 |
| 30 | 48698 | 47867 | 52133 | 00832 | 70 |
| 40 | 49014 | 48197 | 51803 | 00817 | 60 |
| 50 | 49329 | 48527 | 51473 | 00802 | 50 |
| 60 | 49645 | 48857 | 51143 | 00787 | 40 |
| 70 | 49960 | 49188 | 50812 | 00773 | 30 |
| 80 | 50276 | 49518 | 50482 | 00758 | 20 |
| 90 | 50591 | 49848 | 50152 | 00743 | 10 |
| **56 oo** | 50907 | 50178 | 49822 | 00728 | **44 oo** |
| 10 | 51222 | 50508 | 49492 | 00714 | 90 |
| 20 | 51537 | 50839 | 49161 | 00699 | 80 |
| 30 | 51853 | 51169 | 48831 | 00684 | 70 |
| 40 | 52168 | 51499 | 48501 | 00669 | 60 |
| 50 | 52483 | 51829 | 48171 | 00655 | 50 |
| 60 | 52799 | 52159 | 47841 | 00640 | 40 |
| 70 | 53114 | 52489 | 47511 | 00625 | 30 |
| 80 | 53429 | 52819 | 47181 | 00610 | 20 |
| 90 | 53744 | 53149 | 46851 | 00596 | 10 |
| **57 oo** | 54060 | 53479 | 46521 | 00581 | **43 oo** |
| 10 | 54375 | 53809 | 46191 | 00566 | 90 |
| 20 | 54690 | 54139 | 45861 | 00551 | 80 |
| 30 | 55005 | 54469 | 45531 | 00537 | 70 |
| 40 | 55320 | 54798 | 45202 | 00522 | 60 |
| 50 | 55635 | 55128 | 44872 | 00507 | 50 |
| 60 | 55950 | 55458 | 44542 | 00492 | 40 |
| 70 | 56265 | 55788 | 44212 | 00477 | 30 |
| 80 | 56580 | 56118 | 43882 | 00463 | 20 |
| 90 | 56895 | 56447 | 43553 | 00448 | 10 |
| **58 oo** | 57210 | 56777 | 43223 | 00433 | **42 oo** |
| 10 | 57525 | 57107 | 42893 | 00418 | 90 |
| 20 | 57840 | 57437 | 42563 | 00404 | 80 |
| 30 | 58155 | 57766 | 42234 | 00389 | 70 |
| 40 | 58470 | 58096 | 41904 | 00374 | 60 |
| 50 | 58785 | 58425 | 41575 | 00359 | 50 |
| 60 | 59099 | 58755 | 41245 | 00344 | 40 |
| 70 | 59414 | 59085 | 40915 | 00330 | 30 |
| 80 | 59729 | 59414 | 40586 | 00315 | 20 |
| 90 | 60044 | 59744 | 40256 | 00300 | 10 |
| **59 oo** | 60358 | 60073 | 39927 | 00285 | **41 oo** |
| 10 | 60673 | 60403 | 39597 | 00270 | 90 |
| 20 | 60988 | 60732 | 39268 | 00256 | 80 |
| 30 | 61302 | 61062 | 38938 | 00241 | 70 |
| 40 | 61617 | 61391 | 38609 | 00226 | 60 |
| 50 | 61932 | 61720 | 38280 | 00211 | 50 |
| 60 | 62246 | 62050 | 37950 | 00197 | 40 |
| 70 | 62561 | 62379 | 37621 | 00182 | 30 |
| 80 | 62875 | 62708 | 37292 | 00167 | 20 |
| 90 | 63190 | 63038 | 36962 | 00152 | 10 |
| **60 oo** | 63504 | 63367 | 36633 | 00137 | **40 oo** |
| | **9.32** | **9.33** | **0.66** | **9.99** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 314 | 329 | 329 | 15 | |

| | 332 | 331 | 330 | 329 | 317 | 316 | 315 | 314 | 15 | 14 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33,2 | 33,1 | 33,0 | 32,9 | 31,7 | 31,6 | 31,5 | 31,4 | 1,5 | 1,4 | 1 |
| 2 | 66,4 | 66,2 | 66,0 | 65,8 | 63,4 | 63,2 | 63,0 | 62,8 | 3,0 | 2,8 | 2 |
| 3 | 99,6 | 99,3 | 99,0 | 98,7 | 95,1 | 94,8 | 94,5 | 94,2 | 4,5 | 4,2 | 3 |
| 4 | 132,8 | 132,4 | 132,0 | 131,6 | 126,8 | 126,4 | 126,0 | 125,6 | 6,0 | 5,6 | 4 |
| 5 | 166,0 | 165,5 | 165,0 | 164,5 | 158,5 | 158,0 | 157,5 | 157,0 | 7,5 | 7,0 | 5 |
| 6 | 199,2 | 198,6 | 198,0 | 197,4 | 190,2 | 189,6 | 189,0 | 188,4 | 9,0 | 8,4 | 6 |
| 7 | 232,4 | 231,7 | 231,0 | 230,3 | 221,9 | 221,2 | 220,5 | 219,8 | 10,5 | 9,8 | 7 |
| 8 | 265,6 | 264,8 | 264,0 | 263,2 | 253,6 | 252,8 | 252,0 | 251,2 | 12,0 | 11,2 | 8 |
| 9 | 298,8 | 297,9 | 297,0 | 296,1 | 285,3 | 284,4 | 283,5 | 282,6 | 13,5 | 12,6 | 9 |

| 13g | 315 | 330 | 330 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.32** | **9.33** | **0.66** | ***9.99** | |
| **60 oo** | 63504 | 63367 | 36633 | *00137 | **40 oo** |
| 10 | 63819 | 63696 | 36304 | *00123 | 90 |
| 20 | 64133 | 64025 | 35975 | *00108 | 80 |
| 30 | 64448 | 64355 | 35645 | *00093 | 70 |
| 40 | 64762 | 64684 | 35316 | *00078 | 60 |
| 50 | 65076 | 65013 | 34987 | *00063 | 50 |
| 60 | 65391 | 65342 | 34658 | *00049 | 40 |
| 70 | 65705 | 65671 | 34329 | *00034 | 30 |
| 80 | 66019 | 66000 | 34000 | *00019 | 20 |
| 90 | 66333 | 66329 | 33671 | *00004 | 10 |
| **61 oo** | 66648 | 66658 | 33342 | 99989 | **39 oo** |
| 10 | 66962 | 66987 | 33013 | 99974 | 90 |
| 20 | 67276 | 67316 | 32684 | 99960 | 80 |
| 30 | 67590 | 67645 | 32355 | 99945 | 70 |
| 40 | 67904 | 67974 | 32026 | 99930 | 60 |
| 50 | 68219 | 68303 | 31697 | 99915 | 50 |
| 60 | 68533 | 68632 | 31368 | 99900 | 40 |
| 70 | 68847 | 68961 | 31039 | 99886 | 30 |
| 80 | 69161 | 69290 | 30710 | 99871 | 20 |
| 90 | 69475 | 69619 | 30381 | 99856 | 10 |
| **62 oo** | 69789 | 69948 | 30052 | 99841 | **38 oo** |
| 10 | 70103 | 70276 | 29724 | 99826 | 90 |
| 20 | 70417 | 70605 | 29395 | 99811 | 80 |
| 30 | 70731 | 70934 | 29066 | 99797 | 70 |
| 40 | 71044 | 71263 | 28737 | 99782 | 60 |
| 50 | 71358 | 71591 | 28409 | 99767 | 50 |
| 60 | 71672 | 71920 | 28080 | 99752 | 40 |
| 70 | 71986 | 72249 | 27751 | 99737 | 30 |
| 80 | 72300 | 72577 | 27423 | 99723 | 20 |
| 90 | 72614 | 72906 | 27094 | 99708 | 10 |
| **63 oo** | 72927 | 73235 | 26765 | 99693 | **37 oo** |
| 10 | 73241 | 73563 | 26437 | 99678 | 90 |
| 20 | 73555 | 73892 | 26108 | 99663 | 80 |
| 30 | 73869 | 74220 | 25780 | 99648 | 70 |
| 40 | 74182 | 74549 | 25451 | 99634 | 60 |
| 50 | 74496 | 74877 | 25123 | 99619 | 50 |
| 60 | 74809 | 75206 | 24794 | 99604 | 40 |
| 70 | 75123 | 75534 | 24466 | 99589 | 30 |
| 80 | 75437 | 75862 | 24138 | 99574 | 20 |
| 90 | 75750 | 76191 | 23809 | 99559 | 10 |
| **64 oo** | 76064 | 76519 | 23481 | 99544 | **36 oo** |
| 10 | 76377 | 76848 | 23152 | 99530 | 90 |
| 20 | 76691 | 77176 | 22824 | 99515 | 80 |
| 30 | 77004 | 77504 | 22496 | 99500 | 70 |
| 40 | 77318 | 77832 | 22168 | 99485 | 60 |
| 50 | 77631 | 78161 | 21839 | 99470 | 50 |
| 60 | 77944 | 78489 | 21511 | 99455 | 40 |
| 70 | 78258 | 78817 | 21183 | 99441 | 30 |
| 80 | 78571 | 79145 | 20855 | 99426 | 20 |
| 90 | 78884 | 79473 | 20527 | 99411 | 10 |
| **65 oo** | 79198 | 79802 | 20198 | 99396 | **35 oo** |
| | **9.32** | **9.33** | **0.66** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 313 | 328 | 328 | 15 | |

| 13g | 314 | 328 | 328 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.32** | **9.33** | **0.66** | **9.98** | |
| **65 oo** | 79198 | 79802 | 20198 | 99396 | **35 oo** |
| 10 | 79511 | 80130 | 19870 | 99381 | 90 |
| 20 | 79824 | 80458 | 19542 | 99366 | 80 |
| 30 | 80137 | 80786 | 19214 | 99351 | 70 |
| 40 | 80451 | 81114 | 18886 | 99337 | 60 |
| 50 | 80764 | 81442 | 18558 | 99322 | 50 |
| 60 | 81077 | 81770 | 18230 | 99307 | 40 |
| 70 | 81390 | 82098 | 17902 | 99292 | 30 |
| 80 | 81703 | 82426 | 17574 | 99277 | 20 |
| 90 | 82016 | 82754 | 17246 | 99262 | 10 |
| **66 oo** | 82329 | 83082 | 16918 | 99247 | **34 oo** |
| 10 | 82642 | 83410 | 16590 | 99232 | 90 |
| 20 | 82955 | 83738 | 16262 | 99218 | 80 |
| 30 | 83268 | 84065 | 15935 | 99203 | 70 |
| 40 | 83581 | 84393 | 15607 | 99188 | 60 |
| 50 | 83894 | 84721 | 15279 | 99173 | 50 |
| 60 | 84207 | 85049 | 14951 | 99158 | 40 |
| 70 | 84520 | 85377 | 14623 | 99143 | 30 |
| 80 | 84833 | 85704 | 14296 | 99128 | 20 |
| 90 | 85146 | 86032 | 13968 | 99114 | 10 |
| **67 oo** | 85458 | 86360 | 13640 | 99099 | **33 oo** |
| 10 | 85771 | 86687 | 13313 | 99084 | 90 |
| 20 | 86084 | 87015 | 12985 | 99069 | 80 |
| 30 | 86397 | 87343 | 12657 | 99054 | 70 |
| 40 | 86709 | 87670 | 12330 | 99039 | 60 |
| 50 | 87022 | 87998 | 12002 | 99024 | 50 |
| 60 | 87335 | 88325 | 11675 | 99009 | 40 |
| 70 | 87647 | 88653 | 11347 | 98994 | 30 |
| 80 | 87960 | 88980 | 11020 | 98980 | 20 |
| 90 | 88273 | 89308 | 10692 | 98965 | 10 |
| **68 oo** | 88585 | 89635 | 10365 | 98950 | **32 oo** |
| 10 | 88898 | 89963 | 10037 | 98935 | 90 |
| 20 | 89210 | 90290 | 09710 | 98920 | 80 |
| 30 | 89523 | 90618 | 09382 | 98905 | 70 |
| 40 | 89835 | 90945 | 09055 | 98890 | 60 |
| 50 | 90148 | 91272 | 08728 | 98875 | 50 |
| 60 | 90460 | 91600 | 08400 | 98860 | 40 |
| 70 | 90773 | 91927 | 08073 | 98846 | 30 |
| 80 | 91085 | 92254 | 07746 | 98831 | 20 |
| 90 | 91397 | 92582 | 07418 | 98816 | 10 |
| **69 oo** | 91710 | 92909 | 07091 | 98801 | **31 oo** |
| 10 | 92022 | 93236 | 06764 | 98786 | 90 |
| 20 | 92334 | 93563 | 06437 | 98771 | 80 |
| 30 | 92647 | 93890 | 06110 | 98756 | 70 |
| 40 | 92959 | 94218 | 05782 | 98741 | 60 |
| 50 | 93271 | 94545 | 05455 | 98726 | 50 |
| 60 | 93583 | 94872 | 05128 | 98711 | 40 |
| 70 | 93895 | 95199 | 04801 | 98697 | 30 |
| 80 | 94208 | 95526 | 04474 | 98682 | 20 |
| 90 | 94520 | 95853 | 04147 | 98667 | 10 |
| **70 oo** | 94832 | 96180 | 03820 | 98652 | **30 oo** |
| | **9.32** | **9.33** | **0.66** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 312 | 327 | 327 | 15 | |

| | 330 | 329 | 328 | 327 | 315 | 314 | 313 | 312 | 15 | 14 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33,0 | 32,9 | 32,8 | 32,7 | 31,5 | 31,4 | 31,3 | 31,2 | 1,5 | 1,4 | 1 |
| 2 | 66,0 | 65,8 | 65,6 | 65,4 | 63,0 | 62,8 | 62,6 | 62,4 | 3,0 | 2,8 | 2 |
| 3 | 99,0 | 98,7 | 98,4 | 98,1 | 94,5 | 94,2 | 93,9 | 93,6 | 4,5 | 4,2 | 3 |
| 4 | 132,0 | 131,6 | 131,2 | 130,8 | 126,0 | 125,6 | 125,2 | 124,8 | 6,0 | 5,6 | 4 |
| 5 | 165,0 | 164,5 | 164,0 | 163,5 | 157,5 | 157,0 | 156,5 | 156,0 | 7,5 | 7,0 | 5 |
| 6 | 198,0 | 197,4 | 196,8 | 196,2 | 189,0 | 188,4 | 187,8 | 187,2 | 9,0 | 8,4 | 6 |
| 7 | 231,0 | 230,3 | 229,6 | 228,9 | 220,5 | 219,8 | 219,1 | 218,4 | 10,5 | 9,8 | 7 |
| 8 | 264,0 | 263,2 | 262,4 | 261,6 | 252,0 | 251,2 | 250,4 | 249,6 | 12,0 | 11,2 | 8 |
| 9 | 297,0 | 296,1 | 295,2 | 294,3 | 283,5 | 282,6 | 281,7 | 280,8 | 13,5 | 12,6 | 9 |

| 13g | 312 | 327 | 327 | 14 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.32 | *9.33 | *0.66 | 9.98 | |
| 70 oo | *94832 | *96180 | *03820 | 98652 | 30 oo |
| 10 | *95144 | *96507 | *03493 | 98637 | 90 |
| 20 | *95456 | *96834 | *03166 | 98622 | 80 |
| 30 | *95768 | *97161 | *02839 | 98607 | 70 |
| 40 | *96080 | *97488 | *02512 | 98592 | 60 |
| 50 | *96392 | *97815 | *02185 | 98577 | 50 |
| 60 | *96704 | *98142 | *01858 | 98562 | 40 |
| 70 | *97016 | *98468 | *01532 | 98547 | 30 |
| 80 | *97328 | *98795 | *01205 | 98532 | 20 |
| 90 | *97640 | *99122 | *00878 | 98518 | 10 |
| 71 oo | *97952 | *99449 | *00551 | 98503 | 29 oo |
| 10 | *98263 | *99776 | *00224 | 98488 | 90 |
| 20 | *98575 | 00102 | 99898 | 98473 | 80 |
| 30 | *98887 | 00429 | 99571 | 98458 | 70 |
| 40 | *99199 | 00756 | 99244 | 98443 | 60 |
| 50 | *99511 | 01083 | 98917 | 98428 | 50 |
| 60 | *99822 | 01409 | 98591 | 98413 | 40 |
| 70 | 00134 | 01736 | 98264 | 98398 | 30 |
| 80 | 00446 | 02062 | 97938 | 98383 | 20 |
| 90 | 00757 | 02389 | 97611 | 98368 | 10 |
| 72 oo | 01069 | 02716 | 97284 | 98353 | 28 oo |
| 10 | 01381 | 03042 | 96958 | 98338 | 90 |
| 20 | 01692 | 03369 | 96631 | 98323 | 80 |
| 30 | 02004 | 03695 | 96305 | 98309 | 70 |
| 40 | 02315 | 04022 | 95978 | 98294 | 60 |
| 50 | 02627 | 04348 | 95652 | 98279 | 50 |
| 60 | 02938 | 04675 | 95325 | 98264 | 40 |
| 70 | 03250 | 05001 | 94999 | 98249 | 30 |
| 80 | 03561 | 05327 | 94673 | 98234 | 20 |
| 90 | 03873 | 05654 | 94346 | 98219 | 10 |
| 73 oo | 04184 | 05980 | 94020 | 98204 | 27 oo |
| 10 | 04495 | 06306 | 93694 | 98189 | 90 |
| 20 | 04807 | 06633 | 93367 | 98174 | 80 |
| 30 | 05118 | 06959 | 93041 | 98159 | 70 |
| 40 | 05429 | 07285 | 92715 | 98144 | 60 |
| 50 | 05741 | 07612 | 92388 | 98129 | 50 |
| 60 | 06052 | 07938 | 92062 | 98114 | 40 |
| 70 | 06363 | 08264 | 91736 | 98099 | 30 |
| 80 | 06674 | 08590 | 91410 | 98084 | 20 |
| 90 | 06986 | 08916 | 91084 | 98069 | 10 |
| 74 oo | 07297 | 09242 | 90758 | 98054 | 26 oo |
| 10 | 07608 | 09568 | 90432 | 98039 | 90 |
| 20 | 07919 | 09895 | 90105 | 98025 | 80 |
| 30 | 08230 | 10221 | 89779 | 98010 | 70 |
| 40 | 08541 | 10547 | 89453 | 97995 | 60 |
| 50 | 08852 | 10873 | 89127 | 97980 | 50 |
| 60 | 09163 | 11199 | 88801 | 97965 | 40 |
| 70 | 09474 | 11525 | 88475 | 97950 | 30 |
| 80 | 09785 | 11851 | 88149 | 97935 | 20 |
| 90 | 10096 | 12176 | 87824 | 97920 | 10 |
| 75 oo | 10407 | 12502 | 87498 | 97905 | 25 oo |
| | 9.33 | 9.34 | 0.65 | 9.98 | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 311 | 325 | 325 | 15 | |

| 13g | 311 | 326 | 326 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 9.33 | 9.34 | 0.65 | 9.98 | |
| 75 oo | 10407 | 12502 | 87498 | 97905 | 25 oo |
| 10 | 10718 | 12828 | 87172 | 97890 | 90 |
| 20 | 11029 | 13154 | 86846 | 97875 | 80 |
| 30 | 11340 | 13480 | 86520 | 97860 | 70 |
| 40 | 11651 | 13806 | 86194 | 97845 | 60 |
| 50 | 11962 | 14132 | 85868 | 97830 | 50 |
| 60 | 12272 | 14457 | 85543 | 97815 | 40 |
| 70 | 12583 | 14783 | 85217 | 97800 | 30 |
| 80 | 12894 | 15109 | 84891 | 97785 | 20 |
| 90 | 13205 | 15435 | 84565 | 97770 | 10 |
| 76 oo | 13515 | 15760 | 84240 | 97755 | 24 oo |
| 10 | 13826 | 16086 | 83914 | 97740 | 90 |
| 20 | 14137 | 16411 | 83589 | 97725 | 80 |
| 30 | 14447 | 16737 | 83263 | 97710 | 70 |
| 40 | 14758 | 17063 | 82937 | 97695 | 60 |
| 50 | 15068 | 17388 | 82612 | 97680 | 50 |
| 60 | 15379 | 17714 | 82286 | 97665 | 40 |
| 70 | 15690 | 18039 | 81961 | 97650 | 30 |
| 80 | 16000 | 18365 | 81635 | 97635 | 20 |
| 90 | 16311 | 18690 | 81310 | 97620 | 10 |
| 77 oo | 16621 | 19016 | 80984 | 97605 | 23 oo |
| 10 | 16931 | 19341 | 80659 | 97590 | 90 |
| 20 | 17242 | 19667 | 80333 | 97575 | 80 |
| 30 | 17552 | 19992 | 80008 | 97560 | 70 |
| 40 | 17863 | 20317 | 79683 | 97545 | 60 |
| 50 | 18173 | 20643 | 79357 | 97530 | 50 |
| 60 | 18483 | 20968 | 79032 | 97515 | 40 |
| 70 | 18794 | 21293 | 78707 | 97500 | 30 |
| 80 | 19104 | 21619 | 78381 | 97485 | 20 |
| 90 | 19414 | 21944 | 78056 | 97470 | 10 |
| 78 oo | 19724 | 22269 | 77731 | 97455 | 22 oo |
| 10 | 20035 | 22594 | 77406 | 97440 | 90 |
| 20 | 20345 | 22920 | 77080 | 97425 | 80 |
| 30 | 20655 | 23245 | 76755 | 97410 | 70 |
| 40 | 20965 | 23570 | 76430 | 97395 | 60 |
| 50 | 21275 | 23895 | 76105 | 97380 | 50 |
| 60 | 21585 | 24220 | 75780 | 97365 | 40 |
| 70 | 21895 | 24545 | 75455 | 97350 | 30 |
| 80 | 22205 | 24870 | 75130 | 97335 | 20 |
| 90 | 22516 | 25195 | 74805 | 97320 | 10 |
| 79 oo | 22826 | 25520 | 74480 | 97305 | 21 oo |
| 10 | 23136 | 25845 | 74155 | 97290 | 90 |
| 20 | 23445 | 26170 | 73830 | 97275 | 80 |
| 30 | 23755 | 26495 | 73505 | 97260 | 70 |
| 40 | 24065 | 26820 | 73180 | 97245 | 60 |
| 50 | 24375 | 27145 | 72855 | 97230 | 50 |
| 60 | 24685 | 27470 | 72530 | 97215 | 40 |
| 70 | 24995 | 27795 | 72205 | 97200 | 30 |
| 80 | 25305 | 28120 | 71880 | 97185 | 20 |
| 90 | 25615 | 28444 | 71556 | 97170 | 10 |
| 80 oo | 25924 | 28769 | 71231 | 97155 | 20 oo |
| | 9.33 | 9.34 | 0.65 | 9.98 | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 309 | 324 | 324 | 15 | |

| | 327 | 326 | 325 | 324 | 312 | 311 | 310 | 309 | 15 | 14 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32,7 | 32,6 | 32,5 | 32,4 | 31,2 | 31,1 | 31,0 | 30,9 | 1,5 | 1,4 | 1 |
| 2 | 65,4 | 65,2 | 65,0 | 64,8 | 62,4 | 62,2 | 62,0 | 61,8 | 3,0 | 2,8 | 2 |
| 3 | 98,1 | 97,8 | 97,5 | 97,2 | 93,6 | 93,3 | 93,0 | 92,7 | 4,5 | 4,2 | 3 |
| 4 | 130,8 | 130,4 | 130,0 | 129,6 | 124,8 | 124,4 | 124,0 | 123,6 | 6,0 | 5,6 | 4 |
| 5 | 163,5 | 163,0 | 162,5 | 162,0 | 156,0 | 155,5 | 155,0 | 154,5 | 7,5 | 7,0 | 5 |
| 6 | 196,2 | 195,6 | 195,0 | 194,4 | 187,2 | 186,6 | 186,0 | 185,4 | 9,0 | 8,4 | 6 |
| 7 | 228,9 | 228,2 | 227,5 | 226,8 | 218,4 | 217,7 | 217,0 | 216,3 | 10,5 | 9,8 | 7 |
| 8 | 261,6 | 260,8 | 260,0 | 259,2 | 249,6 | 248,8 | 248,0 | 247,2 | 12,0 | 11,2 | 8 |
| 9 | 294,3 | 293,4 | 292,5 | 291,6 | 280,8 | 279,9 | 279,0 | 278,1 | 13,5 | 12,6 | 9 |

| 13g | 310 | 325 | 325 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.33** | **9.34** | **0.65** | **9.98** | |
| **80 oo** | 25924 | 28769 | 71231 | 97155 | **20 oo** |
| 10 | 26234 | 29094 | 70906 | 97140 | 90 |
| 20 | 26544 | 29419 | 70581 | 97125 | 80 |
| 30 | 26853 | 29744 | 70256 | 97110 | 70 |
| 40 | 27163 | 30068 | 69932 | 97095 | 60 |
| 50 | 27473 | 30393 | 69607 | 97080 | 50 |
| 60 | 27782 | 30718 | 69282 | 97065 | 40 |
| 70 | 28092 | 31042 | 68958 | 97050 | 30 |
| 80 | 28402 | 31367 | 68633 | 97035 | 20 |
| 90 | 28711 | 31691 | 68309 | 97020 | 10 |
| **81 oo** | 29021 | 32016 | 67984 | 97005 | **19 oo** |
| 10 | 29330 | 32341 | 67659 | 96990 | 90 |
| 20 | 29640 | 32665 | 67335 | 96975 | 80 |
| 30 | 29949 | 32990 | 67010 | 96960 | 70 |
| 40 | 30259 | 33314 | 66686 | 96945 | 60 |
| 50 | 30568 | 33639 | 66361 | 96930 | 50 |
| 60 | 30878 | 33963 | 66037 | 96914 | 40 |
| 70 | 31187 | 34287 | 65713 | 96899 | 30 |
| 80 | 31496 | 34612 | 65388 | 96884 | 20 |
| 90 | 31806 | 34936 | 65064 | 96869 | 10 |
| **82 oo** | 32115 | 35261 | 64739 | 96854 | **18 oo** |
| 10 | 32424 | 35585 | 64415 | 96839 | 90 |
| 20 | 32733 | 35909 | 64091 | 96824 | 80 |
| 30 | 33043 | 36234 | 63766 | 96809 | 70 |
| 40 | 33352 | 36558 | 63442 | 96794 | 60 |
| 50 | 33661 | 36882 | 63118 | 96779 | 50 |
| 60 | 33970 | 37206 | 62794 | 96764 | 40 |
| 70 | 34279 | 37530 | 62470 | 96749 | 30 |
| 80 | 34589 | 37855 | 62145 | 96734 | 20 |
| 90 | 34898 | 38179 | 61821 | 96719 | 10 |
| **83 oo** | 35207 | 38503 | 61497 | 96704 | **17 oo** |
| 10 | 35516 | 38827 | 61173 | 96689 | 90 |
| 20 | 35825 | 39151 | 60849 | 96674 | 80 |
| 30 | 36134 | 39475 | 60525 | 96659 | 70 |
| 40 | 36443 | 39799 | 60201 | 96644 | 60 |
| 50 | 36752 | 40123 | 59877 | 96629 | 50 |
| 60 | 37061 | 40447 | 59553 | 96613 | 40 |
| 70 | 37370 | 40771 | 59229 | 96598 | 30 |
| 80 | 37679 | 41095 | 58905 | 96583 | 20 |
| 90 | 37987 | 41419 | 58581 | 96568 | 10 |
| **84 oo** | 38296 | 41743 | 58257 | 96553 | **16 oo** |
| 10 | 38605 | 42067 | 57933 | 96538 | 90 |
| 20 | 38914 | 42391 | 57609 | 96523 | 80 |
| 30 | 39223 | 42715 | 57285 | 96508 | 70 |
| 40 | 39531 | 43039 | 56961 | 96493 | 60 |
| 50 | 39840 | 43362 | 56638 | 96478 | 50 |
| 60 | 40149 | 43686 | 56314 | 96463 | 40 |
| 70 | 40458 | 44010 | 55990 | 96448 | 30 |
| 80 | 40766 | 44334 | 55666 | 96433 | 20 |
| 90 | 41075 | 44657 | 55343 | 96418 | 10 |
| **85 oo** | 41383 | 44981 | 55019 | 96402 | **15 oo** |
| | **9.33** | **9.34** | **0.65** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 308 | 323 | 323 | 16 | |

| 13g | 309 | 324 | 324 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.33** | **9.34** | **0.65** | **9.98** | |
| **85 oo** | 41383 | 44981 | 55019 | 96402 | **15 oo** |
| 10 | 41692 | 45305 | 54695 | 96387 | 90 |
| 20 | 42001 | 45628 | 54372 | 96372 | 80 |
| 30 | 42309 | 45952 | 54048 | 96357 | 70 |
| 40 | 42618 | 46276 | 53724 | 96342 | 60 |
| 50 | 42926 | 46599 | 53401 | 96327 | 50 |
| 60 | 43235 | 46923 | 53077 | 96312 | 40 |
| 70 | 43543 | 47246 | 52754 | 96297 | 30 |
| 80 | 43852 | 47570 | 52430 | 96282 | 20 |
| 90 | 44160 | 47893 | 52107 | 96267 | 10 |
| **86 oo** | 44468 | 48217 | 51783 | 96252 | **14 oo** |
| 10 | 44777 | 48540 | 51460 | 96236 | 90 |
| 20 | 45085 | 48864 | 51136 | 96221 | 80 |
| 30 | 45393 | 49187 | 50813 | 96206 | 70 |
| 40 | 45702 | 49511 | 50489 | 96191 | 60 |
| 50 | 46010 | 49834 | 50166 | 96176 | 50 |
| 60 | 46318 | 50157 | 49843 | 96161 | 40 |
| 70 | 46626 | 50481 | 49519 | 96146 | 30 |
| 80 | 46935 | 50804 | 49196 | 96131 | 20 |
| 90 | 47243 | 51127 | 48873 | 96116 | 10 |
| **87 oo** | 47551 | 51450 | 48550 | 96101 | **13 oo** |
| 10 | 47859 | 51774 | 48226 | 96085 | 90 |
| 20 | 48167 | 52097 | 47903 | 96070 | 80 |
| 30 | 48475 | 52420 | 47580 | 96055 | 70 |
| 40 | 48783 | 52743 | 47257 | 96040 | 60 |
| 50 | 49091 | 53066 | 46934 | 96025 | 50 |
| 60 | 49399 | 53390 | 46610 | 96010 | 40 |
| 70 | 49707 | 53713 | 46287 | 95995 | 30 |
| 80 | 50015 | 54036 | 45964 | 95980 | 20 |
| 90 | 50323 | 54359 | 45641 | 95965 | 10 |
| **88 oo** | 50631 | 54682 | 45318 | 95950 | **12 oo** |
| 10 | 50939 | 55005 | 44995 | 95934 | 90 |
| 20 | 51247 | 55328 | 44672 | 95919 | 80 |
| 30 | 51555 | 55651 | 44349 | 95904 | 70 |
| 40 | 51863 | 55974 | 44026 | 95889 | 60 |
| 50 | 52171 | 56297 | 43703 | 95874 | 50 |
| 60 | 52478 | 56620 | 43380 | 95859 | 40 |
| 70 | 52786 | 56943 | 43057 | 95844 | 30 |
| 80 | 53094 | 57265 | 42735 | 95829 | 20 |
| 90 | 53402 | 57588 | 42412 | 95813 | 10 |
| **89 oo** | 53709 | 57911 | 42089 | 95798 | **11 oo** |
| 10 | 54017 | 58234 | 41766 | 95783 | 90 |
| 20 | 54325 | 58557 | 41443 | 95768 | 80 |
| 30 | 54632 | 58879 | 41121 | 95753 | 70 |
| 40 | 54940 | 59202 | 40798 | 95738 | 60 |
| 50 | 55248 | 59525 | 40475 | 95723 | 50 |
| 60 | 55555 | 59848 | 40152 | 95708 | 40 |
| 70 | 55863 | 60170 | 39830 | 95692 | 30 |
| 80 | 56170 | 60493 | 39507 | 95677 | 20 |
| 90 | 56478 | 60816 | 39184 | 95662 | 10 |
| **90 oo** | 56785 | 61138 | 38862 | 95647 | **10 oo** |
| | **9.33** | **9.34** | **0.65** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 86g |
| | 307 | 322 | 322 | 16 | |

| | 325 | 324 | 323 | 322 | 310 | 309 | 308 | 307 | 16 | 15 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32,5 | 32,4 | 32,3 | 32,2 | 31,0 | 30,9 | 30,8 | 30,7 | 1,6 | 1,5 | 1 |
| 2 | 65,0 | 64,8 | 64,6 | 64,4 | 62,0 | 61,8 | 61,6 | 61,4 | 3,2 | 3,0 | 2 |
| 3 | 97,5 | 97,2 | 96,9 | 96,6 | 93,0 | 92,7 | 92,4 | 92,1 | 4,8 | 4,5 | 3 |
| 4 | 130,0 | 129,6 | 129,2 | 128,8 | 124,0 | 123,6 | 123,2 | 122,8 | 6,4 | 6,0 | 4 |
| 5 | 162,5 | 162,0 | 161,5 | 161,0 | 155,0 | 154,5 | 154,0 | 153,5 | 8,0 | 7,5 | 5 |
| 6 | 195,0 | 194,4 | 193,8 | 193,2 | 186,0 | 185,4 | 184,8 | 184,2 | 9,6 | 9,0 | 6 |
| 7 | 227,5 | 226,8 | 226,1 | 225,4 | 217,0 | 216,3 | 215,6 | 214,9 | 11,2 | 10,5 | 7 |
| 8 | 260,0 | 259,2 | 258,4 | 257,6 | 248,0 | 247,2 | 246,4 | 245,6 | 12,8 | 12,0 | 8 |
| 9 | 292,5 | 291,6 | 290,7 | 289,8 | 279,0 | 278,1 | 277,2 | 276,3 | 14,4 | 13,5 | 9 |

| 13g | 308 | 323 | 323 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·33** | **9·34** | **0.65** | **9·98** | |
| **90 oo** | 56785 | 61138 | 38862 | 95647 | **10 oo** |
| 10 | 57093 | 61461 | 38539 | 95632 | 90 |
| 20 | 57400 | 61783 | 38217 | 95617 | 80 |
| 30 | 57707 | 62106 | 37894 | 95602 | 70 |
| 40 | 58015 | 62428 | 37572 | 95586 | 60 |
| 50 | 58322 | 62751 | 37249 | 95571 | 50 |
| 60 | 58630 | 63073 | 36927 | 95556 | 40 |
| 70 | 58937 | 63396 | 36604 | 95541 | 30 |
| 80 | 59244 | 63718 | 36282 | 95526 | 20 |
| 90 | 59551 | 64041 | 35959 | 95511 | 10 |
| **91 oo** | 59859 | 64363 | 35637 | 95496 | **09 oo** |
| 10 | 60166 | 64685 | 35315 | 95480 | 90 |
| 20 | 60473 | 65008 | 34992 | 95465 | 80 |
| 30 | 60780 | 65330 | 34670 | 95450 | 70 |
| 40 | 61087 | 65652 | 34348 | 95435 | 60 |
| 50 | 61395 | 65975 | 34025 | 95420 | 50 |
| 60 | 61702 | 66297 | 33703 | 95405 | 40 |
| 70 | 62009 | 66619 | 33381 | 95390 | 30 |
| 80 | 62316 | 66941 | 33059 | 95374 | 20 |
| 90 | 62623 | 67264 | 32736 | 95359 | 10 |
| **92 oo** | 62930 | 67586 | 32414 | 95344 | **08 oo** |
| 10 | 63237 | 67908 | 32092 | 95329 | 90 |
| 20 | 63544 | 68230 | 31770 | 95314 | 80 |
| 30 | 63851 | 68552 | 31448 | 95299 | 70 |
| 40 | 64158 | 68874 | 31126 | 95283 | 60 |
| 50 | 64465 | 69196 | 30804 | 95268 | 50 |
| 60 | 64771 | 69518 | 30482 | 95253 | 40 |
| 70 | 65078 | 69840 | 30160 | 95238 | 30 |
| 80 | 65385 | 70162 | 29838 | 95223 | 20 |
| 90 | 65692 | 70484 | 29516 | 95208 | 10 |
| **93 oo** | 65999 | 70806 | 29194 | 95192 | **07 oo** |
| 10 | 66305 | 71128 | 28872 | 95177 | 90 |
| 20 | 66612 | 71450 | 28550 | 95162 | 80 |
| 30 | 66919 | 71772 | 28228 | 95147 | 70 |
| 40 | 67226 | 72094 | 27906 | 95132 | 60 |
| 50 | 67532 | 72416 | 27584 | 95117 | 50 |
| 60 | 67839 | 72738 | 27262 | 95101 | 40 |
| 70 | 68146 | 73059 | 26941 | 95086 | 30 |
| 80 | 68452 | 73381 | 26619 | 95071 | 20 |
| 90 | 68759 | 73703 | 26297 | 95056 | 10 |
| **94 oo** | 69065 | 74025 | 25975 | 95041 | **06 oo** |
| 10 | 69372 | 74346 | 25654 | 95025 | 90 |
| 20 | 69678 | 74668 | 25332 | 95010 | 80 |
| 30 | 69985 | 74990 | 25010 | 94995 | 70 |
| 40 | 70291 | 75311 | 24689 | 94980 | 60 |
| 50 | 70598 | 75633 | 24367 | 94965 | 50 |
| 60 | 70904 | 75955 | 24045 | 94950 | 40 |
| 70 | 71211 | 76276 | 23724 | 94934 | 30 |
| 80 | 71517 | 76598 | 23402 | 94919 | 20 |
| 90 | 71823 | 76919 | 23081 | 94904 | 10 |
| **95 oo** | 72130 | 77241 | 22759 | 94889 | **05 oo** |
| | **9·33** | **9·34** | **0.65** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 306 | 321 | 321 | 16 | **86g** |

| 13g | 307 | 322 | 322 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·33** | **9·34** | **0.65** | **9·98** | |
| **95 oo** | 72130 | 77241 | 22759 | 94889 | **05 oo** |
| 10 | 72436 | 77562 | 22438 | 94874 | 90 |
| 20 | 72742 | 77884 | 22116 | 94858 | 80 |
| 30 | 73049 | 78205 | 21795 | 94843 | 70 |
| 40 | 73355 | 78527 | 21473 | 94828 | 60 |
| 50 | 73661 | 78848 | 21152 | 94813 | 50 |
| 60 | 73967 | 79170 | 20830 | 94798 | 40 |
| 70 | 74273 | 79491 | 20509 | 94782 | 30 |
| 80 | 74580 | 79812 | 20188 | 94767 | 20 |
| 90 | 74886 | 80134 | 19866 | 94752 | 10 |
| **96 oo** | 75192 | 80455 | 19545 | 94737 | **04 oo** |
| 10 | 75498 | 80776 | 19224 | 94722 | 90 |
| 20 | 75804 | 81098 | 18902 | 94706 | 80 |
| 30 | 76110 | 81419 | 18581 | 94691 | 70 |
| 40 | 76416 | 81740 | 18260 | 94676 | 60 |
| 50 | 76722 | 82061 | 17939 | 94661 | 50 |
| 60 | 77028 | 82382 | 17618 | 94646 | 40 |
| 70 | 77334 | 82704 | 17296 | 94630 | 30 |
| 80 | 77640 | 83025 | 16975 | 94615 | 20 |
| 90 | 77946 | 83346 | 16654 | 94600 | 10 |
| **97 oo** | 78252 | 83667 | 16333 | 94585 | **03 oo** |
| 10 | 78558 | 83988 | 16012 | 94570 | 90 |
| 20 | 78863 | 84309 | 15691 | 94554 | 80 |
| 30 | 79169 | 84630 | 15370 | 94539 | 70 |
| 40 | 79475 | 84951 | 15049 | 94524 | 60 |
| 50 | 79781 | 85272 | 14728 | 94509 | 50 |
| 60 | 80086 | 85593 | 14407 | 94493 | 40 |
| 70 | 80392 | 85914 | 14086 | 94478 | 30 |
| 80 | 80698 | 86235 | 13765 | 94463 | 20 |
| 90 | 81004 | 86556 | 13444 | 94448 | 10 |
| **98 oo** | 81309 | 86877 | 13123 | 94433 | **02 oo** |
| 10 | 81615 | 87198 | 12802 | 94417 | 90 |
| 20 | 81920 | 87518 | 12482 | 94402 | 80 |
| 30 | 82226 | 87839 | 12161 | 94387 | 70 |
| 40 | 82532 | 88160 | 11840 | 94372 | 60 |
| 50 | 82837 | 88481 | 11519 | 94356 | 50 |
| 60 | 83143 | 88802 | 11198 | 94341 | 40 |
| 70 | 83448 | 89122 | 10878 | 94326 | 30 |
| 80 | 83754 | 89443 | 10557 | 94311 | 20 |
| 90 | 84059 | 89764 | 10236 | 94295 | 10 |
| **99 oo** | 84365 | 90084 | 09916 | 94280 | **01 oo** |
| 10 | 84670 | 90405 | 09595 | 94265 | 90 |
| 20 | 84975 | 90726 | 09274 | 94250 | 80 |
| 30 | 85281 | 91046 | 08954 | 94234 | 70 |
| 40 | 85586 | 91367 | 08633 | 94219 | 60 |
| 50 | 85891 | 91687 | 08313 | 94204 | 50 |
| 60 | 86197 | 92008 | 07992 | 94189 | 40 |
| 70 | 86502 | 92328 | 07672 | 94174 | 30 |
| 80 | 86807 | 92649 | 07351 | 94158 | 20 |
| 90 | 87112 | 92969 | 07031 | 94143 | 10 |
| **100 oo** | 87418 | 93290 | 06710 | 94128 | **00 oo** |
| | **9·33** | **9·34** | **0.65** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 305 | 320 | 320 | 16 | **86g** |

| | 323 | 322 | 321 | 320 | 308 | 307 | 306 | 305 | 16 | 15 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32,3 | 32,2 | 32,1 | 32,0 | 30,8 | 30,7 | 30,6 | 30,5 | 1,6 | 1,5 | 1 |
| 2 | 64,6 | 64,4 | 64,2 | 64,0 | 61,6 | 61,4 | 61,2 | 61,0 | 3,2 | 3,0 | 2 |
| 3 | 96,9 | 96,6 | 96,3 | 96,0 | 92,4 | 92,1 | 91,8 | 91,5 | 4,8 | 4,5 | 3 |
| 4 | 129,2 | 128,8 | 128,4 | 128,0 | 123,2 | 122,8 | 122,4 | 122,0 | 6,4 | 6,0 | 4 |
| 5 | 161,5 | 161,0 | 160,5 | 160,0 | 154,0 | 153,5 | 153,0 | 152,5 | 8,0 | 7,5 | 5 |
| 6 | 193,8 | 193,2 | 192,6 | 192,0 | 184,8 | 184,2 | 183,6 | 183,0 | 9,6 | 9,0 | 6 |
| 7 | 226,1 | 225,4 | 224,7 | 224,0 | 215,6 | 214,9 | 214,2 | 213,5 | 11,2 | 10,5 | 7 |
| 8 | 258,4 | 257,6 | 256,8 | 256,0 | 246,4 | 245,6 | 244,8 | 244,0 | 12,8 | 12,0 | 8 |
| 9 | 290,7 | 289,8 | 288,9 | 288,0 | 277,2 | 276,3 | 275,4 | 274,5 | 14,4 | 13,5 | 9 |

| $14^g$ | 305 | 321 | 321 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·33** | ***9·34** | ***0.65** | **9·98** | |
| **00 oo** | 87418 | *93290 | *06710 | 94128 | **100 oo** |
| 10 | 87723 | *93610 | *06390 | 94113 | 90 |
| 20 | 88028 | *93931 | *06069 | 94097 | 80 |
| 30 | 88333 | *94251 | *05749 | 94082 | 70 |
| 40 | 88638 | *94571 | *05429 | 94067 | 60 |
| 50 | 88943 | *94892 | *05108 | 94052 | 50 |
| 60 | 89248 | *95212 | *04788 | 94036 | 40 |
| 70 | 89553 | *95532 | *04468 | 94021 | 30 |
| 80 | 89858 | *95853 | *04147 | 94006 | 20 |
| 90 | 90163 | *96173 | *03827 | 93990 | 10 |
| **01 oo** | 90468 | *96493 | *03507 | 93975 | **99 oo** |
| 10 | 90773 | *96813 | *03187 | 93960 | 90 |
| 20 | 91078 | *97134 | *02866 | 93945 | 80 |
| 30 | 91383 | *97454 | *02546 | 93929 | 70 |
| 40 | 91688 | *97774 | *02226 | 93914 | 60 |
| 50 | 91993 | *98094 | *01906 | 93899 | 50 |
| 60 | 92298 | *98414 | *01586 | 93884 | 40 |
| 70 | 92603 | *98734 | *01266 | 93868 | 30 |
| 80 | 92907 | *99054 | *00946 | 93853 | 20 |
| 90 | 93212 | *99374 | *00626 | 93838 | 10 |
| **02 oo** | 93517 | *99694 | *00306 | 93823 | **98 oo** |
| 10 | 93822 | 00014 | 99986 | 93807 | 90 |
| 20 | 94126 | 00334 | 99666 | 93792 | 80 |
| 30 | 94431 | 00654 | 99346 | 93777 | 70 |
| 40 | 94736 | 00974 | 99026 | 93761 | 60 |
| 50 | 95040 | 01294 | 98706 | 93746 | 50 |
| 60 | 95345 | 01614 | 98386 | 93731 | 40 |
| 70 | 95650 | 01934 | 98066 | 93716 | 30 |
| 80 | 95954 | 02254 | 97746 | 93700 | 20 |
| 90 | 96259 | 02574 | 97426 | 93685 | 10 |
| **03 oo** | 96563 | 02893 | 97107 | 93670 | **97 oo** |
| 10 | 96868 | 03213 | 96787 | 93655 | 90 |
| 20 | 97172 | 03533 | 96467 | 93639 | 80 |
| 30 | 97477 | 03853 | 96147 | 93624 | 70 |
| 40 | 97781 | 04173 | 95827 | 93609 | 60 |
| 50 | 98086 | 04492 | 95508 | 93593 | 50 |
| 60 | 98390 | 04812 | 95188 | 93578 | 40 |
| 70 | 98694 | 05132 | 94868 | 93563 | 30 |
| 80 | 98999 | 05451 | 94549 | 93548 | 20 |
| 90 | 99303 | 05771 | 94229 | 93532 | 10 |
| **04 oo** | 99607 | 06090 | 93910 | 93517 | **96 oo** |
| 10 | 99912 | 06410 | 93590 | 93502 | 90 |
| 20 | *00216 | 06730 | 93270 | 93486 | 80 |
| 30 | *00520 | 07049 | 92951 | 93471 | 70 |
| 40 | *00824 | 07369 | 92631 | 93456 | 60 |
| 50 | *01129 | 07688 | 92312 | 93440 | 50 |
| 60 | *01433 | 08008 | 91992 | 93425 | 40 |
| 70 | *01737 | 08327 | 91673 | 93410 | 30 |
| 80 | *02041 | 08646 | 91354 | 93395 | 20 |
| 90 | *02345 | 08966 | 91034 | 93379 | 10 |
| **05 oo** | *02649 | 09285 | 90715 | 93364 | **95 oo** |
| | ***9·34** | **9·35** | **0.64** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 304 | 319 | 319 | 16 | |

| $14^g$ | 304 | 320 | 320 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·34** | **9·35** | **0.64** | **9·98** | |
| **05 oo** | 02649 | 09285 | 90715 | 93364 | **95 oo** |
| 10 | 02953 | 09605 | 90395 | 93349 | 90 |
| 20 | 03257 | 09924 | 90076 | 93333 | 80 |
| 30 | 03561 | 10243 | 89757 | 93318 | 70 |
| 40 | 03865 | 10563 | 89437 | 93303 | 60 |
| 50 | 04169 | 10882 | 89118 | 93287 | 50 |
| 60 | 04473 | 11201 | 88799 | 93272 | 40 |
| 70 | 04777 | 11520 | 88480 | 93257 | 30 |
| 80 | 05081 | 11840 | 88160 | 93241 | 20 |
| 90 | 05385 | 12159 | 87841 | 93226 | 10 |
| **06 oo** | 05689 | 12478 | 87522 | 93211 | **94 oo** |
| 10 | 05993 | 12797 | 87203 | 93196 | 90 |
| 20 | 06296 | 13116 | 86884 | 93180 | 80 |
| 30 | 06600 | 13435 | 86565 | 93165 | 70 |
| 40 | 06904 | 13754 | 86246 | 93150 | 60 |
| 50 | 07208 | 14074 | 85926 | 93134 | 50 |
| 60 | 07511 | 14393 | 85607 | 93119 | 40 |
| 70 | 07815 | 14712 | 85288 | 93104 | 30 |
| 80 | 08119 | 15031 | 84969 | 93088 | 20 |
| 90 | 08423 | 15350 | 84650 | 93073 | 10 |
| **07 oo** | 08726 | 15669 | 84331 | 93058 | **93 oo** |
| 10 | 09030 | 15988 | 84012 | 93042 | 90 |
| 20 | 09333 | 16306 | 83694 | 93027 | 80 |
| 30 | 09637 | 16625 | 83375 | 93012 | 70 |
| 40 | 09940 | 16944 | 83056 | 92996 | 60 |
| 50 | 10244 | 17263 | 82737 | 92981 | 50 |
| 60 | 10548 | 17582 | 82418 | 92966 | 40 |
| 70 | 10851 | 17901 | 82099 | 92950 | 30 |
| 80 | 11154 | 18220 | 81780 | 92935 | 20 |
| 90 | 11458 | 18538 | 81462 | 92920 | 10 |
| **08 oo** | 11761 | 18857 | 81143 | 92904 | **92 oo** |
| 10 | 12065 | 19176 | 80824 | 92889 | 90 |
| 20 | 12368 | 19494 | 80506 | 92874 | 80 |
| 30 | 12671 | 19813 | 80187 | 92858 | 70 |
| 40 | 12975 | 20132 | 79868 | 92843 | 60 |
| 50 | 13278 | 20450 | 79550 | 92828 | 50 |
| 60 | 13581 | 20769 | 79231 | 92812 | 40 |
| 70 | 13885 | 21088 | 78912 | 92797 | 30 |
| 80 | 14188 | 21406 | 78594 | 92782 | 20 |
| 90 | 14491 | 21725 | 78275 | 92766 | 10 |
| **09 oo** | 14794 | 22043 | 77957 | 92751 | **91 oo** |
| 10 | 15097 | 22362 | 77638 | 92735 | 90 |
| 20 | 15401 | 22680 | 77320 | 92720 | 80 |
| 30 | 15704 | 22999 | 77001 | 92705 | 70 |
| 40 | 16007 | 23317 | 76683 | 92689 | 60 |
| 50 | 16310 | 23636 | 76364 | 92674 | 50 |
| 60 | 16613 | 23954 | 76046 | 92659 | 40 |
| 70 | 16916 | 24273 | 75727 | 92643 | 30 |
| 80 | 17219 | 24591 | 75409 | 92628 | 20 |
| 90 | 17522 | 24909 | 75091 | 92613 | 10 |
| **10 oo** | 17825 | 25228 | 74772 | 92597 | **90 oo** |
| | **9·34** | **9·35** | **0.64** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 303 | 318 | 318 | 16 | |

| | 321 | 320 | 319 | 318 | 305 | 304 | 303 | 16 | 15 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32,1 | 32,0 | 31,9 | 31,8 | 30,5 | 30,4 | 30,3 | 1,6 | 1,5 | 1 |
| 2 | 64,2 | 64,0 | 63,8 | 63,6 | 61,0 | 60,8 | 60,6 | 3,2 | 3,0 | 2 |
| 3 | 96,3 | 96,0 | 95,7 | 95,4 | 91,5 | 91,2 | 90,9 | 4,8 | 4,5 | 3 |
| 4 | 128,4 | 128,0 | 127,6 | 127,2 | 122,0 | 121,6 | 121,2 | 6,4 | 6,0 | 4 |
| 5 | 160,5 | 160,0 | 159,5 | 159,0 | 152,5 | 152,0 | 151,5 | 8,0 | 7,5 | 5 |
| 6 | 192,6 | 192,0 | 191,4 | 190,8 | 183,0 | 182,4 | 181,8 | 9,6 | 9,0 | 6 |
| 7 | 224,7 | 224,0 | 223,3 | 222,6 | 213,5 | 212,8 | 212,1 | 11,2 | 10,5 | 7 |
| 8 | 256,8 | 256,0 | 255,2 | 254,4 | 244,0 | 243,2 | 242,4 | 12,8 | 12,0 | 8 |
| 9 | 288,9 | 288,0 | 287,1 | 286,2 | 274,5 | 273,6 | 272,7 | 14,4 | 13,5 | 9 |

| $14^g$ | 303 | 319 | 319 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.34** | **9.35** | **0.64** | **9.98** | |
| **10 oo** | 17825 | 25228 | 74772 | 92597 | **90 oo** |
| 10 | 18128 | 25546 | 74454 | 92582 | 90 |
| 20 | 18431 | 25864 | 74136 | 92567 | 80 |
| 30 | 18734 | 26182 | 73818 | 92551 | 70 |
| 40 | 19037 | 26501 | 73499 | 92536 | 60 |
| 50 | 19339 | 26819 | 73181 | 92520 | 50 |
| 60 | 19642 | 27137 | 72863 | 92505 | 40 |
| 70 | 19945 | 27455 | 72545 | 92490 | 30 |
| 80 | 20248 | 27773 | 72227 | 92474 | 20 |
| 90 | 20551 | 28092 | 71908 | 92459 | 10 |
| **11 oo** | 20853 | 28410 | 71590 | 92444 | **89 oo** |
| 10 | 21156 | 28728 | 71272 | 92428 | 90 |
| 20 | 21459 | 29046 | 70954 | 92413 | 80 |
| 30 | 21761 | 29364 | 70636 | 92397 | 70 |
| 40 | 22064 | 29682 | 70318 | 92382 | 60 |
| 50 | 22367 | 30000 | 70000 | 92367 | 50 |
| 60 | 22669 | 30318 | 69682 | 92351 | 40 |
| 70 | 22972 | 30636 | 69364 | 92336 | 30 |
| 80 | 23275 | 30954 | 69046 | 92321 | 20 |
| 90 | 23577 | 31272 | 68728 | 92305 | 10 |
| **12 oo** | 23880 | 31590 | 68410 | 92290 | **88 oo** |
| 10 | 24182 | 31908 | 68092 | 92274 | 90 |
| 20 | 24485 | 32226 | 67774 | 92259 | 80 |
| 30 | 24787 | 32543 | 67457 | 92244 | 70 |
| 40 | 25089 | 32861 | 67139 | 92228 | 60 |
| 50 | 25392 | 33179 | 66821 | 92213 | 50 |
| 60 | 25694 | 33497 | 66503 | 92198 | 40 |
| 70 | 25997 | 33815 | 66185 | 92182 | 30 |
| 80 | 26299 | 34132 | 65868 | 92167 | 20 |
| 90 | 26601 | 34450 | 65550 | 92151 | 10 |
| **13 oo** | 26904 | 34768 | 65232 | 92136 | **87 oo** |
| 10 | 27206 | 35085 | 64915 | 92121 | 90 |
| 20 | 27508 | 35403 | 64597 | 92105 | 80 |
| 30 | 27810 | 35721 | 64279 | 92090 | 70 |
| 40 | 28113 | 36038 | 63962 | 92074 | 60 |
| 50 | 28415 | 36356 | 63644 | 92059 | 50 |
| 60 | 28717 | 36673 | 63327 | 92044 | 40 |
| 70 | 29019 | 36991 | 63009 | 92028 | 30 |
| 80 | 29321 | 37309 | 62691 | 92013 | 20 |
| 90 | 29623 | 37626 | 62374 | 91997 | 10 |
| **14 oo** | 29925 | 37944 | 62056 | 91982 | **86 oo** |
| 10 | 30228 | 38261 | 61739 | 91967 | 90 |
| 20 | 30530 | 38578 | 61422 | 91951 | 80 |
| 30 | 30832 | 38896 | 61104 | 91936 | 70 |
| 40 | 31134 | 39213 | 60787 | 91920 | 60 |
| 50 | 31436 | 39531 | 60469 | 91905 | 50 |
| 60 | 31737 | 39848 | 60152 | 91889 | 40 |
| 70 | 32039 | 40165 | 59835 | 91874 | 30 |
| 80 | 32341 | 40483 | 59517 | 91859 | 20 |
| 90 | 32643 | 40800 | 59200 | 91843 | 10 |
| **15 oo** | 32945 | 41117 | 58883 | 91828 | **85 oo** |
| | **9.34** | **9.35** | **0.64** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 301 | 317 | 317 | 16 | |

| $14^g$ | 302 | 318 | 318 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.34** | **9.35** | **0.64** | **9.98** | |
| **15 oo** | 32945 | 41117 | 58883 | 91828 | **85 oo** |
| 10 | 33247 | 41435 | 58565 | 91812 | 90 |
| 20 | 33549 | 41752 | 58248 | 91797 | 80 |
| 30 | 33851 | 42069 | 57931 | 91782 | 70 |
| 40 | 34152 | 42386 | 57614 | 91766 | 60 |
| 50 | 34454 | 42703 | 57297 | 91751 | 50 |
| 60 | 34756 | 43020 | 56980 | 91735 | 40 |
| 70 | 35057 | 43338 | 56662 | 91720 | 30 |
| 80 | 35359 | 43655 | 56345 | 91704 | 20 |
| 90 | 35661 | 43972 | 56028 | 91689 | 10 |
| **16 oo** | 35962 | 44289 | 55711 | 91674 | **84 oo** |
| 10 | 36264 | 44606 | 55394 | 91658 | 90 |
| 20 | 36566 | 44923 | 55077 | 91643 | 80 |
| 30 | 36867 | 45240 | 54760 | 91627 | 70 |
| 40 | 37169 | 45557 | 54443 | 91612 | 60 |
| 50 | 37470 | 45874 | 54126 | 91596 | 50 |
| 60 | 37772 | 46191 | 53809 | 91581 | 40 |
| 70 | 38073 | 46508 | 53492 | 91566 | 30 |
| 80 | 38375 | 46825 | 53175 | 91550 | 20 |
| 90 | 38676 | 47142 | 52858 | 91535 | 10 |
| **17 oo** | 38978 | 47458 | 52542 | 91519 | **83 oo** |
| 10 | 39279 | 47775 | 52225 | 91504 | 90 |
| 20 | 39580 | 48092 | 51908 | 91488 | 80 |
| 30 | 39882 | 48409 | 51591 | 91473 | 70 |
| 40 | 40183 | 48726 | 51274 | 91457 | 60 |
| 50 | 40484 | 49042 | 50958 | 91442 | 50 |
| 60 | 40786 | 49359 | 50641 | 91427 | 40 |
| 70 | 41087 | 49676 | 50324 | 91411 | 30 |
| 80 | 41388 | 49993 | 50007 | 91396 | 20 |
| 90 | 41689 | 50309 | 49691 | 91380 | 10 |
| **18 oo** | 41991 | 50626 | 49374 | 91365 | **82 oo** |
| 10 | 42292 | 50943 | 49057 | 91349 | 90 |
| 20 | 42593 | 51259 | 48741 | 91334 | 80 |
| 30 | 42894 | 51576 | 48424 | 91318 | 70 |
| 40 | 43195 | 51892 | 48108 | 91303 | 60 |
| 50 | 43496 | 52209 | 47791 | 91287 | 50 |
| 60 | 43797 | 52525 | 47475 | 91272 | 40 |
| 70 | 44098 | 52842 | 47158 | 91257 | 30 |
| 80 | 44400 | 53158 | 46842 | 91241 | 20 |
| 90 | 44701 | 53475 | 46525 | 91226 | 10 |
| **19 oo** | 45001 | 53791 | 46209 | 91210 | **81 oo** |
| 10 | 45302 | 54108 | 45892 | 91195 | 90 |
| 20 | 45603 | 54424 | 45576 | 91179 | 80 |
| 30 | 45904 | 54741 | 45259 | 91164 | 70 |
| 40 | 46205 | 55057 | 44943 | 91148 | 60 |
| 50 | 46506 | 55373 | 44627 | 91133 | 50 |
| 60 | 46807 | 55690 | 44310 | 91117 | 40 |
| 70 | 47108 | 56006 | 43994 | 91102 | 30 |
| 80 | 47409 | 56322 | 43678 | 91086 | 20 |
| 90 | 47709 | 56638 | 43362 | 91071 | 10 |
| **20 oo** | 48010 | 56955 | 43045 | 91056 | **80 oo** |
| | **9.34** | **9.35** | **0.64** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 300 | 316 | 316 | 16 | |

| | 319 | 318 | 317 | 316 | 303 | 302 | 301 | 300 | 16 | 15 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31,9 | 31,8 | 31,7 | 31,6 | 30,3 | 30,2 | 30,1 | 30,0 | 1,6 | 1,5 | 1 |
| 2 | 63,8 | 63,6 | 63,4 | 63,2 | 60,6 | 60,4 | 60,2 | 60,0 | 3,2 | 3,0 | 2 |
| 3 | 95,7 | 95,4 | 95,1 | 94,8 | 90,9 | 90,6 | 90,3 | 90,0 | 4,8 | 4,5 | 3 |
| 4 | 127,6 | 127,2 | 126,8 | 126,4 | 121,2 | 120,8 | 120,4 | 120,0 | 6,4 | 6,0 | 4 |
| 5 | 159,5 | 159,0 | 158,5 | 158,0 | 151,5 | 151,0 | 150,5 | 150,0 | 8,0 | 7,5 | 5 |
| 6 | 191,4 | 190,8 | 190,2 | 189,6 | 181,8 | 181,2 | 180,6 | 180,0 | 9,6 | 9,0 | 6 |
| 7 | 223,3 | 222,6 | 221,9 | 221,2 | 212,1 | 211,4 | 210,7 | 210,0 | 11,2 | 10,5 | 7 |
| 8 | 255,2 | 254,4 | 253,6 | 252,8 | 242,4 | 241,6 | 240,8 | 240,0 | 12,8 | 12,0 | 8 |
| 9 | 287,1 | 286,2 | 285,3 | 284,4 | 272,7 | 271,8 | 270,9 | 270,0 | 14,4 | 13,5 | 9 |

| 14g | 301 | 317 | 317 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.34** | **9.35** | **0.64** | **9.98** | |
| **20 oo** | 48010 | 56955 | 43045 | 91056 | **80 oo** |
| 10 | 48311 | 57271 | 42729 | 91040 | 90 |
| 20 | 48612 | 57587 | 42413 | 91025 | 80 |
| 30 | 48912 | 57903 | 42097 | 91009 | 70 |
| 40 | 49213 | 58219 | 41781 | 90994 | 60 |
| 50 | 49514 | 58535 | 41465 | 90978 | 50 |
| 60 | 49814 | 58852 | 41148 | 90963 | 40 |
| 70 | 50115 | 59168 | 40832 | 90947 | 30 |
| 80 | 50415 | 59484 | 40516 | 90932 | 20 |
| 90 | 50716 | 59800 | 40200 | 90916 | 10 |
| **21 oo** | 51017 | 60116 | 39884 | 90901 | **79 oo** |
| 10 | 51317 | 60432 | 39568 | 90885 | 90 |
| 20 | 51618 | 60748 | 39252 | 90870 | 80 |
| 30 | 51918 | 61064 | 38936 | 90854 | 70 |
| 40 | 52218 | 61380 | 38620 | 90839 | 60 |
| 50 | 52519 | 61696 | 38304 | 90823 | 50 |
| 60 | 52819 | 62012 | 37988 | 90808 | 40 |
| 70 | 53120 | 62327 | 37673 | 90792 | 30 |
| 80 | 53420 | 62643 | 37357 | 90777 | 20 |
| 90 | 53720 | 62959 | 37041 | 90761 | 10 |
| **22 oo** | 54021 | 63275 | 36725 | 90746 | **78 oo** |
| 10 | 54321 | 63591 | 36409 | 90730 | 90 |
| 20 | 54621 | 63907 | 36093 | 90715 | 80 |
| 30 | 54922 | 64222 | 35778 | 90699 | 70 |
| 40 | 55222 | 64538 | 35462 | 90684 | 60 |
| 50 | 55522 | 64854 | 35146 | 90668 | 50 |
| 60 | 55822 | 65169 | 34831 | 90653 | 40 |
| 70 | 56122 | 65485 | 34515 | 90637 | 30 |
| 80 | 56423 | 65801 | 34199 | 90622 | 20 |
| 90 | 56723 | 66116 | 33884 | 90606 | 10 |
| **23 oo** | 57023 | 66432 | 33568 | 90591 | **77 oo** |
| 10 | 57323 | 66748 | 33252 | 90575 | 90 |
| 20 | 57623 | 67063 | 32937 | 90560 | 80 |
| 30 | 57923 | 67379 | 32621 | 90544 | 70 |
| 40 | 58223 | 67694 | 32306 | 90529 | 60 |
| 50 | 58523 | 68010 | 31990 | 90513 | 50 |
| 60 | 58823 | 68325 | 31675 | 90498 | 40 |
| 70 | 59123 | 68641 | 31359 | 90482 | 30 |
| 80 | 59423 | 68956 | 31044 | 90467 | 20 |
| 90 | 59723 | 69272 | 30728 | 90451 | 10 |
| **24 oo** | 60023 | 69587 | 30413 | 90436 | **76 oo** |
| 10 | 60323 | 69902 | 30098 | 90420 | 90 |
| 20 | 60622 | 70218 | 29782 | 90405 | 80 |
| 30 | 60922 | 70533 | 29467 | 90389 | 70 |
| 40 | 61222 | 70848 | 29152 | 90374 | 60 |
| 50 | 61522 | 71164 | 28836 | 90358 | 50 |
| 60 | 61822 | 71479 | 28521 | 90343 | 40 |
| 70 | 62121 | 71794 | 28206 | 90327 | 30 |
| 80 | 62421 | 72110 | 27890 | 90311 | 20 |
| 90 | 62721 | 72425 | 27575 | 90296 | 10 |
| **25 oo** | 63020 | 72740 | 27260 | 90280 | **75 oo** |
| | **9.34** | **9.35** | **0.64** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 85g |
| | 299 | 315 | 315 | 16 | |

| 14g | 300 | 316 | 316 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.34** | **9.35** | **0.64** | **9.98** | |
| **25 oo** | 63020 | 72740 | 27260 | 90280 | **75 oo** |
| 10 | 63320 | 73055 | 26945 | 90265 | 90 |
| 20 | 63620 | 73370 | 26630 | 90249 | 80 |
| 30 | 63919 | 73685 | 26315 | 90234 | 70 |
| 40 | 64219 | 74001 | 25999 | 90218 | 60 |
| 50 | 64518 | 74316 | 25684 | 90203 | 50 |
| 60 | 64818 | 74631 | 25369 | 90187 | 40 |
| 70 | 65118 | 74946 | 25054 | 90172 | 30 |
| 80 | 65417 | 75261 | 24739 | 90156 | 20 |
| 90 | 65716 | 75576 | 24424 | 90141 | 10 |
| **26 oo** | 66016 | 75891 | 24109 | 90125 | **74 oo** |
| 10 | 66315 | 76206 | 23794 | 90110 | 90 |
| 20 | 66615 | 76521 | 23479 | 90094 | 80 |
| 30 | 66914 | 76836 | 23164 | 90078 | 70 |
| 40 | 67214 | 77151 | 22849 | 90063 | 60 |
| 50 | 67513 | 77466 | 22534 | 90047 | 50 |
| 60 | 67812 | 77780 | 22220 | 90032 | 40 |
| 70 | 68112 | 78095 | 21905 | 90016 | 30 |
| 80 | 68411 | 78410 | 21590 | 90001 | 20 |
| 90 | 68710 | 78725 | 21275 | 89985 | 10 |
| **27 oo** | 69009 | 79040 | 20960 | 89970 | **73 oo** |
| 10 | 69308 | 79354 | 20646 | 89954 | 90 |
| 20 | 69608 | 79669 | 20331 | 89938 | 80 |
| 30 | 69907 | 79984 | 20016 | 89923 | 70 |
| 40 | 70206 | 80299 | 19701 | 89907 | 60 |
| 50 | 70505 | 80613 | 19387 | 89892 | 50 |
| 60 | 70804 | 80928 | 19072 | 89876 | 40 |
| 70 | 71103 | 81243 | 18757 | 89861 | 30 |
| 80 | 71402 | 81557 | 18443 | 89845 | 20 |
| 90 | 71701 | 81872 | 18128 | 89830 | 10 |
| **28 oo** | 72000 | 82186 | 17814 | 89814 | **72 oo** |
| 10 | 72299 | 82501 | 17499 | 89798 | 90 |
| 20 | 72598 | 82816 | 17184 | 89783 | 80 |
| 30 | 72897 | 83130 | 16870 | 89767 | 70 |
| 40 | 73196 | 83445 | 16555 | 89752 | 60 |
| 50 | 73495 | 83759 | 16241 | 89736 | 50 |
| 60 | 73794 | 84074 | 15926 | 89721 | 40 |
| 70 | 74093 | 84388 | 15612 | 89705 | 30 |
| 80 | 74392 | 84702 | 15298 | 89689 | 20 |
| 90 | 74691 | 85017 | 14983 | 89674 | 10 |
| **29 oo** | 74989 | 85331 | 14669 | 89658 | **71 oo** |
| 10 | 75288 | 85646 | 14354 | 89643 | 90 |
| 20 | 75587 | 85960 | 14040 | 89627 | 80 |
| 30 | 75886 | 86274 | 13726 | 89612 | 70 |
| 40 | 76184 | 86588 | 13412 | 89596 | 60 |
| 50 | 76483 | 86903 | 13097 | 89580 | 50 |
| 60 | 76782 | 87217 | 12783 | 89565 | 40 |
| 70 | 77081 | 87531 | 12469 | 89549 | 30 |
| 80 | 77379 | 87845 | 12155 | 89534 | 20 |
| 90 | 77678 | 88160 | 11840 | 89518 | 10 |
| **30 oo** | 77976 | 88474 | 11526 | 89502 | **70 oo** |
| | **9.34** | **9.35** | **0.64** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 85g |
| | 298 | 314 | 314 | 16 | |

| | 317 | 316 | 315 | 314 | 301 | 300 | 299 | 298 | 16 | 15 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31,7 | 31,6 | 31,5 | 31,4 | 30,1 | 30,0 | 29,9 | 29,8 | 1,6 | 1,5 | 1 |
| 2 | 63,4 | 63,2 | 63,0 | 62,8 | 60,2 | 60,0 | 59,8 | 59,6 | 3,2 | 3,0 | 2 |
| 3 | 95,1 | 94,8 | 94,5 | 94,2 | 90,3 | 90,0 | 89,7 | 89,4 | 4,8 | 4,5 | 3 |
| 4 | 126,8 | 126,4 | 126,0 | 125,6 | 120,4 | 120,0 | 119,6 | 119,2 | 6,4 | 6,0 | 4 |
| 5 | 158,5 | 158,0 | 157,5 | 157,0 | 150,5 | 150,0 | 149,5 | 149,0 | 8,0 | 7,5 | 5 |
| 6 | 190,2 | 189,6 | 189,0 | 188,4 | 180,6 | 180,0 | 179,4 | 178,8 | 9,6 | 9,0 | 6 |
| 7 | 221,9 | 221,2 | 220,5 | 219,8 | 210,7 | 210,0 | 209,3 | 208,6 | 11,2 | 10,5 | 7 |
| 8 | 253,6 | 252,8 | 252,0 | 251,2 | 240,8 | 240,0 | 239,2 | 238,4 | 12,8 | 12,0 | 8 |
| 9 | 285,3 | 284,4 | 283,5 | 282,6 | 270,9 | 270,0 | 269,1 | 268,2 | 14,4 | 13,5 | 9 |

| $14^g$ | 299 | 314 | 314 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.34** | **9.35** | **0.64** | **9.98** | |
| **30 oo** | 77976 | 88474 | 11526 | 89502 | **70 oo** |
| 10 | 78275 | 88788 | 11212 | 89487 | 90 |
| 20 | 78573 | 89102 | 10898 | 89471 | 80 |
| 30 | 78872 | 89416 | 10584 | 89456 | 70 |
| 40 | 79170 | 89730 | 10270 | 89440 | 60 |
| 50 | 79469 | 90044 | 09956 | 89425 | 50 |
| 60 | 79767 | 90358 | 09642 | 89409 | 40 |
| 70 | 80066 | 90672 | 09328 | 89393 | 30 |
| 80 | 80364 | 90986 | 09014 | 89378 | 20 |
| 90 | 80663 | 91300 | 08700 | 89362 | 10 |
| **31 oo** | 80961 | 91614 | 08386 | 89347 | **69 oo** |
| 10 | 81259 | 91928 | 08072 | 89331 | 90 |
| 20 | 81558 | 92242 | 07758 | 89315 | 80 |
| 30 | 81856 | 92556 | 07444 | 89300 | 70 |
| 40 | 82154 | 92870 | 07130 | 89284 | 60 |
| 50 | 82453 | 93184 | 06816 | 89269 | 50 |
| 60 | 82751 | 93498 | 06502 | 89253 | 40 |
| 70 | 83049 | 93812 | 06188 | 89237 | 30 |
| 80 | 83347 | 94125 | 05875 | 89222 | 20 |
| 90 | 83645 | 94439 | 05561 | 89206 | 10 |
| **32 oo** | 83944 | 94753 | 05247 | 89191 | **68 oo** |
| 10 | 84242 | 95067 | 04933 | 89175 | 90 |
| 20 | 84540 | 95381 | 04619 | 89159 | 80 |
| 30 | 84838 | 95694 | 04306 | 89144 | 70 |
| 40 | 85136 | 96008 | 03992 | 89128 | 60 |
| 50 | 85434 | 96322 | 03678 | 89112 | 50 |
| 60 | 85732 | 96635 | 03365 | 89097 | 40 |
| 70 | 86030 | 96949 | 03051 | 89081 | 30 |
| 80 | 86328 | 97262 | 02738 | 89066 | 20 |
| 90 | 86626 | 97576 | 02424 | 89050 | 10 |
| **33 oo** | 86924 | 97890 | 02110 | 89034 | **67 oo** |
| 10 | 87222 | 98203 | 01797 | 89019 | 90 |
| 20 | 87520 | 98517 | 01483 | 89003 | 80 |
| 30 | 87818 | 98830 | 01170 | 88988 | 70 |
| 40 | 88116 | 99144 | 00856 | 88972 | 60 |
| 50 | 88413 | 99457 | 00543 | 88956 | 50 |
| 60 | 88711 | 99771 | 00229 | 88941 | 40 |
| 70 | 89009 | ∗00084 | ∗99916 | 88925 | 30 |
| 80 | 89307 | ∗00397 | ∗99603 | 88909 | 20 |
| 90 | 89604 | ∗00711 | ∗99289 | 88894 | 10 |
| **34 oo** | 89902 | ∗01024 | ∗98976 | 88878 | **66 oo** |
| 10 | 90200 | ∗01337 | ∗98663 | 88862 | 90 |
| 20 | 90498 | ∗01651 | ∗98349 | 88847 | 80 |
| 30 | 90795 | ∗01964 | ∗98036 | 88831 | 70 |
| 40 | 91093 | ∗02277 | ∗97723 | 88816 | 60 |
| 50 | 91390 | ∗02591 | ∗97409 | 88800 | 50 |
| 60 | 91688 | ∗02904 | ∗97096 | 88784 | 40 |
| 70 | 91986 | ∗03217 | ∗96783 | 88769 | 30 |
| 80 | 92283 | ∗03530 | ∗96470 | 88753 | 20 |
| 90 | 92581 | ∗03843 | ∗96157 | 88737 | 10 |
| **35 oo** | 92878 | ∗04157 | ∗95843 | 88722 | **65 oo** |
| | **9.34** | ∗**9.36** | ∗**0.63** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 297 | 313 | 313 | 16 | |

| $14^g$ | 298 | 313 | 313 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.34** | **9.36** | **0.63** | **9.98** | |
| **35 oo** | ∗92878 | 04157 | 95843 | 88722 | **65 oo** |
| 10 | ∗93176 | 04470 | 95530 | 88706 | 90 |
| 20 | ∗93473 | 04783 | 95217 | 88690 | 80 |
| 30 | ∗93771 | 05096 | 94904 | 88675 | 70 |
| 40 | ∗94068 | 05409 | 94591 | 88659 | 60 |
| 50 | ∗94366 | 05722 | 94278 | 88644 | 50 |
| 60 | ∗94663 | 06035 | 93965 | 88628 | 40 |
| 70 | ∗94960 | 06348 | 93652 | 88612 | 30 |
| 80 | ∗95258 | 06661 | 93339 | 88597 | 20 |
| 90 | ∗95555 | 06974 | 93026 | 88581 | 10 |
| **36 oo** | ∗95852 | 07287 | 92713 | 88565 | **64 oo** |
| 10 | ∗96149 | 07600 | 92400 | 88550 | 90 |
| 20 | ∗96447 | 07913 | 92087 | 88534 | 80 |
| 30 | ∗96744 | 08226 | 91774 | 88518 | 70 |
| 40 | ∗97041 | 08539 | 91461 | 88503 | 60 |
| 50 | ∗97338 | 08851 | 91149 | 88487 | 50 |
| 60 | ∗97636 | 09164 | 90836 | 88471 | 40 |
| 70 | ∗97933 | 09477 | 90523 | 88456 | 30 |
| 80 | ∗98230 | 09790 | 90210 | 88440 | 20 |
| 90 | ∗98527 | 10103 | 89897 | 88424 | 10 |
| **37 oo** | ∗98824 | 10415 | 89585 | 88409 | **63 oo** |
| 10 | ∗99121 | 10728 | 89272 | 88393 | 90 |
| 20 | ∗99418 | 11041 | 88959 | 88377 | 80 |
| 30 | ∗99715 | 11353 | 88647 | 88362 | 70 |
| 40 | 00012 | 11666 | 88334 | 88346 | 60 |
| 50 | 00309 | 11979 | 88021 | 88330 | 50 |
| 60 | 00606 | 12291 | 87709 | 88315 | 40 |
| 70 | 00903 | 12604 | 87396 | 88299 | 30 |
| 80 | 01200 | 12917 | 87083 | 88283 | 20 |
| 90 | 01497 | 13229 | 86771 | 88268 | 10 |
| **38 oo** | 01794 | 13542 | 86458 | 88252 | **62 oo** |
| 10 | 02091 | 13854 | 86146 | 88236 | 90 |
| 20 | 02387 | 14167 | 85833 | 88221 | 80 |
| 30 | 02684 | 14479 | 85521 | 88205 | 70 |
| 40 | 02981 | 14792 | 85208 | 88189 | 60 |
| 50 | 03278 | 15104 | 84896 | 88174 | 50 |
| 60 | 03574 | 15417 | 84583 | 88158 | 40 |
| 70 | 03871 | 15729 | 84271 | 88142 | 30 |
| 80 | 04168 | 16041 | 83959 | 88127 | 20 |
| 90 | 04465 | 16354 | 83646 | 88111 | 10 |
| **39 oo** | 04761 | 16666 | 83334 | 88095 | **61 oo** |
| 10 | 05058 | 16978 | 83022 | 88079 | 90 |
| 20 | 05354 | 17291 | 82709 | 88064 | 80 |
| 30 | 05651 | 17603 | 82397 | 88048 | 70 |
| 40 | 05948 | 17915 | 82085 | 88032 | 60 |
| 50 | 06244 | 18227 | 81773 | 88017 | 50 |
| 60 | 06541 | 18540 | 81460 | 88001 | 40 |
| 70 | 06837 | 18852 | 81148 | 87985 | 30 |
| 80 | 07134 | 19164 | 80836 | 87970 | 20 |
| 90 | 07430 | 19476 | 80524 | 87954 | 10 |
| **40 oo** | 07727 | 19788 | 80212 | 87938 | **60 oo** |
| | **9.35** | **9.36** | **0.63** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 296 | 312 | 312 | 16 | |

| | 314 | 313 | 312 | 299 | 298 | 297 | 296 | 16 | 15 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31,4 | 31,3 | 31,2 | 29,9 | 29,8 | 29,7 | 29,6 | 1,6 | 1,5 | 1 |
| 2 | 62,8 | 62,6 | 62,4 | 59,8 | 59,6 | 59,4 | 59,2 | 3,2 | 3,0 | 2 |
| 3 | 94,2 | 93,9 | 93,6 | 89,7 | 89,4 | 89,1 | 88,8 | 4,8 | 4,5 | 3 |
| 4 | 125,6 | 125,2 | 124,8 | 119,6 | 119,2 | 118,8 | 118,4 | 6,4 | 6,0 | 4 |
| 5 | 157,0 | 156,5 | 156,0 | 149,5 | 149,0 | 148,5 | 148,0 | 8,0 | 7,5 | 5 |
| 6 | 188,4 | 187,8 | 187,2 | 179,4 | 178,8 | 178,2 | 177,6 | 9,6 | 9,0 | 6 |
| 7 | 219,8 | 219,1 | 218,4 | 209,3 | 208,6 | 207,9 | 207,2 | 11,2 | 10,5 | 7 |
| 8 | 251,2 | 250,4 | 249,6 | 239,2 | 238,4 | 237,6 | 236,8 | 12,8 | 12,0 | 8 |
| 9 | 282,6 | 281,7 | 280,8 | 269,1 | 268,2 | 267,3 | 266,4 | 14,4 | 13,5 | 9 |

| $14^g$ | 297 | 313 | 313 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.35** | **9.36** | **0.63** | **9.98** | |
| **40 oo** | 07727 | 19788 | 80212 | 87938 | **60 oo** |
| 10 | 08023 | 20100 | 79900 | 87922 | 90 |
| 20 | 08319 | 20413 | 79587 | 87907 | 80 |
| 30 | 08616 | 20725 | 79275 | 87891 | 70 |
| 40 | 08912 | 21037 | 78963 | 87875 | 60 |
| 50 | 09208 | 21349 | 78651 | 87860 | 50 |
| 60 | 09505 | 21661 | 78339 | 87844 | 40 |
| 70 | 09801 | 21973 | 78027 | 87828 | 30 |
| 80 | 10097 | 22285 | 77715 | 87813 | 20 |
| 90 | 10394 | 22597 | 77403 | 87797 | 10 |
| **41 oo** | 10690 | 22909 | 77091 | 87781 | **59 oo** |
| 10 | 10986 | 23221 | 76779 | 87765 | 90 |
| 20 | 11282 | 23532 | 76468 | 87750 | 80 |
| 30 | 11578 | 23844 | 76156 | 87734 | 70 |
| 40 | 11875 | 24156 | 75844 | 87718 | 60 |
| 50 | 12171 | 24468 | 75532 | 87703 | 50 |
| 60 | 12467 | 24780 | 75220 | 87687 | 40 |
| 70 | 12763 | 25092 | 74908 | 87671 | 30 |
| 80 | 13059 | 25403 | 74597 | 87655 | 20 |
| 90 | 13355 | 25715 | 74285 | 87640 | 10 |
| **42 oo** | 13651 | 26027 | 73973 | 87624 | **58 oo** |
| 10 | 13947 | 26339 | 73661 | 87608 | 90 |
| 20 | 14243 | 26650 | 73350 | 87593 | 80 |
| 30 | 14539 | 26962 | 73038 | 87577 | 70 |
| 40 | 14835 | 27274 | 72726 | 87561 | 60 |
| 50 | 15131 | 27585 | 72415 | 87545 | 50 |
| 60 | 15427 | 27897 | 72103 | 87530 | 40 |
| 70 | 15722 | 28209 | 71791 | 87514 | 30 |
| 80 | 16018 | 28520 | 71480 | 87498 | 20 |
| 90 | 16314 | 28832 | 71168 | 87482 | 10 |
| **43 oo** | 16610 | 29143 | 70857 | 87467 | **57 oo** |
| 10 | 16906 | 29455 | 70545 | 87451 | 90 |
| 20 | 17202 | 29766 | 70234 | 87435 | 80 |
| 30 | 17497 | 30078 | 69922 | 87419 | 70 |
| 40 | 17793 | 30389 | 69611 | 87404 | 60 |
| 50 | 18089 | 30701 | 69299 | 87388 | 50 |
| 60 | 18384 | 31012 | 68988 | 87372 | 40 |
| 70 | 18680 | 31323 | 68677 | 87357 | 30 |
| 80 | 18976 | 31635 | 68365 | 87341 | 20 |
| 90 | 19271 | 31946 | 68054 | 87325 | 10 |
| **44 oo** | 19567 | 32258 | 67742 | 87309 | **56 oo** |
| 10 | 19862 | 32569 | 67431 | 87294 | 90 |
| 20 | 20158 | 32880 | 67120 | 87278 | 80 |
| 30 | 20453 | 33191 | 66809 | 87262 | 70 |
| 40 | 20749 | 33503 | 66497 | 87246 | 60 |
| 50 | 21044 | 33814 | 66186 | 87231 | 50 |
| 60 | 21340 | 34125 | 65875 | 87215 | 40 |
| 70 | 21635 | 34436 | 65564 | 87199 | 30 |
| 80 | 21931 | 34747 | 65253 | 87183 | 20 |
| 90 | 22226 | 35059 | 64941 | 87168 | 10 |
| **45 oo** | 22522 | 35370 | 64630 | 87152 | **55 oo** |
| | **9.35** | **9.36** | **0.63** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 295 | 311 | 311 | 16 | |

| $14^g$ | 296 | 311 | 311 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.35** | **9.36** | **0.63** | **9.98** | |
| **45 oo** | 22522 | 35370 | 64630 | 87152 | **55 oo** |
| 10 | 22817 | 35681 | 64319 | 87136 | 90 |
| 20 | 23112 | 35992 | 64008 | 87120 | 80 |
| 30 | 23408 | 36303 | 63697 | 87105 | 70 |
| 40 | 23703 | 36614 | 63386 | 87089 | 60 |
| 50 | 23998 | 36925 | 63075 | 87073 | 50 |
| 60 | 24293 | 37236 | 62764 | 87057 | 40 |
| 70 | 24589 | 37547 | 62453 | 87041 | 30 |
| 80 | 24884 | 37858 | 62142 | 87026 | 20 |
| 90 | 25179 | 38169 | 61831 | 87010 | 10 |
| **46 oo** | 25474 | 38480 | 61520 | 86994 | **54 oo** |
| 10 | 25769 | 38791 | 61209 | 86978 | 90 |
| 20 | 26065 | 39102 | 60898 | 86963 | 80 |
| 30 | 26360 | 39413 | 60587 | 86947 | 70 |
| 40 | 26655 | 39724 | 60276 | 86931 | 60 |
| 50 | 26950 | 40034 | 59966 | 86915 | 50 |
| 60 | 27245 | 40345 | 59655 | 86900 | 40 |
| 70 | 27540 | 40656 | 59344 | 86884 | 30 |
| 80 | 27835 | 40967 | 59033 | 86868 | 20 |
| 90 | 28130 | 41278 | 58722 | 86852 | 10 |
| **47 oo** | 28425 | 41588 | 58412 | 86836 | **53 oo** |
| 10 | 28720 | 41899 | 58101 | 86821 | 90 |
| 20 | 29015 | 42210 | 57790 | 86805 | 80 |
| 30 | 29310 | 42520 | 57480 | 86789 | 70 |
| 40 | 29604 | 42831 | 57169 | 86773 | 60 |
| 50 | 29899 | 43142 | 56858 | 86758 | 50 |
| 60 | 30194 | 43452 | 56548 | 86742 | 40 |
| 70 | 30489 | 43763 | 56237 | 86726 | 30 |
| 80 | 30784 | 44073 | 55927 | 86710 | 20 |
| 90 | 31078 | 44384 | 55616 | 86694 | 10 |
| **48 oo** | 31373 | 44695 | 55305 | 86679 | **52 oo** |
| 10 | 31668 | 45005 | 54995 | 86663 | 90 |
| 20 | 31963 | 45316 | 54684 | 86647 | 80 |
| 30 | 32257 | 45626 | 54374 | 86631 | 70 |
| 40 | 32552 | 45937 | 54063 | 86615 | 60 |
| 50 | 32847 | 46247 | 53753 | 86600 | 50 |
| 60 | 33141 | 46557 | 53443 | 86584 | 40 |
| 70 | 33436 | 46868 | 53132 | 86568 | 30 |
| 80 | 33730 | 47178 | 52822 | 86552 | 20 |
| 90 | 34025 | 47489 | 52511 | 86536 | 10 |
| **49 oo** | 34320 | 47799 | 52201 | 86521 | **51 oo** |
| 10 | 34614 | 48109 | 51891 | 86505 | 90 |
| 20 | 34909 | 48419 | 51581 | 86489 | 80 |
| 30 | 35203 | 48730 | 51270 | 86473 | 70 |
| 40 | 35497 | 49040 | 50960 | 86457 | 60 |
| 50 | 35792 | 49350 | 50650 | 86442 | 50 |
| 60 | 36086 | 49660 | 50340 | 86426 | 40 |
| 70 | 36381 | 49971 | 50029 | 86410 | 30 |
| 80 | 36675 | 50281 | 49719 | 86394 | 20 |
| 90 | 36969 | 50591 | 49409 | 86378 | 10 |
| **50 oo** | 37264 | 50901 | 49099 | 86363 | **50 oo** |
| | **9.35** | **9.36** | **0.63** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 294 | 310 | 310 | 16 | |

| | 313 | 312 | 311 | 310 | 297 | 296 | 295 | 294 | 16 | 15 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31,3 | 31,2 | 31,1 | 31,0 | 29,7 | 29,6 | 29,5 | 29,4 | 1,6 | 1,5 | 1 |
| 2 | 62,6 | 62,4 | 62,2 | 62,0 | 59,4 | 59,2 | 59,0 | 58,8 | 3,2 | 3,0 | 2 |
| 3 | 93,9 | 93,6 | 93,3 | 93,0 | 89,1 | 88,8 | 88,5 | 88,2 | 4,8 | 4,5 | 3 |
| 4 | 125,2 | 124,8 | 124,4 | 124,0 | 118,8 | 118,4 | 118,0 | 117,6 | 6,4 | 6,0 | 4 |
| 5 | 156,5 | 156,0 | 155,5 | 155,0 | 148,5 | 148,0 | 147,5 | 147,0 | 8,0 | 7,5 | 5 |
| 6 | 187,8 | 187,2 | 186,6 | 186,0 | 178,2 | 177,6 | 177,0 | 176,4 | 9,6 | 9,0 | 6 |
| 7 | 219,1 | 218,4 | 217,7 | 217,0 | 207,9 | 207,2 | 206,5 | 205,8 | 11,2 | 10,5 | 7 |
| 8 | 250,4 | 249,6 | 248,8 | 248,0 | 237,6 | 236,8 | 236,0 | 235,2 | 12,8 | 12,0 | 8 |
| 9 | 281,7 | 280,8 | 279,9 | 279,0 | 267,3 | 266,4 | 265,5 | 264,6 | 14,4 | 13,5 | 9 |

| $14^g$ | 295 | 311 | 311 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.35** | **9.36** | **0.63** | **9.98** | |
| **50 oo** | 37264 | 50901 | 49099 | 86363 | **50 oo** |
| 10 | 37558 | 51211 | 48789 | 86347 | 90 |
| 20 | 37852 | 51521 | 48479 | 86331 | 80 |
| 30 | 38147 | 51831 | 48169 | 86315 | 70 |
| 40 | 38441 | 52141 | 47859 | 86299 | 60 |
| 50 | 38735 | 52452 | 47548 | 86284 | 50 |
| 60 | 39029 | 52762 | 47238 | 86268 | 40 |
| 70 | 39323 | 53072 | 46928 | 86252 | 30 |
| 80 | 39618 | 53382 | 46618 | 86236 | 20 |
| 90 | 39912 | 53691 | 46309 | 86220 | 10 |
| **51 oo** | 40206 | 54001 | 45999 | 86204 | **49 oo** |
| 10 | 40500 | 54311 | 45689 | 86189 | 90 |
| 20 | 40794 | 54621 | 45379 | 86173 | 80 |
| 30 | 41088 | 54931 | 45069 | 86157 | 70 |
| 40 | 41382 | 55241 | 44759 | 86141 | 60 |
| 50 | 41676 | 55551 | 44449 | 86125 | 50 |
| 60 | 41970 | 55861 | 44139 | 86109 | 40 |
| 70 | 42264 | 56170 | 43830 | 86094 | 30 |
| 80 | 42558 | 56480 | 43520 | 86078 | 20 |
| 90 | 42852 | 56790 | 43210 | 86062 | 10 |
| **52 oo** | 43146 | 57100 | 42900 | 86046 | **48 oo** |
| 10 | 43440 | 57409 | 42591 | 86030 | 90 |
| 20 | 43734 | 57719 | 42281 | 86014 | 80 |
| 30 | 44027 | 58029 | 41971 | 85999 | 70 |
| 40 | 44321 | 58338 | 41662 | 85983 | 60 |
| 50 | 44615 | 58648 | 41352 | 85967 | 50 |
| 60 | 44909 | 58958 | 41042 | 85951 | 40 |
| 70 | 45203 | 59267 | 40733 | 85935 | 30 |
| 80 | 45496 | 59577 | 40423 | 85919 | 20 |
| 90 | 45790 | 59887 | 40113 | 85904 | 10 |
| **53 oo** | 46084 | 60196 | 39804 | 85888 | **47 oo** |
| 10 | 46377 | 60506 | 39494 | 85872 | 90 |
| 20 | 46671 | 60815 | 39185 | 85856 | 80 |
| 30 | 46965 | 61125 | 38875 | 85840 | 70 |
| 40 | 47258 | 61434 | 38566 | 85824 | 60 |
| 50 | 47552 | 61743 | 38257 | 85808 | 50 |
| 60 | 47846 | 62053 | 37947 | 85793 | 40 |
| 70 | 48139 | 62362 | 37638 | 85777 | 30 |
| 80 | 48433 | 62672 | 37328 | 85761 | 20 |
| 90 | 48726 | 62981 | 37019 | 85745 | 10 |
| **54 oo** | 49020 | 63290 | 36710 | 85729 | **46 oo** |
| 10 | 49313 | 63600 | 36400 | 85713 | 90 |
| 20 | 49607 | 63909 | 36091 | 85697 | 80 |
| 30 | 49900 | 64218 | 35782 | 85682 | 70 |
| 40 | 50193 | 64528 | 35472 | 85666 | 60 |
| 50 | 50487 | 64837 | 35163 | 85650 | 50 |
| 60 | 50780 | 65146 | 34854 | 85634 | 40 |
| 70 | 51073 | 65455 | 34545 | 85618 | 30 |
| 80 | 51367 | 65764 | 34236 | 85602 | 20 |
| 90 | 51660 | 66074 | 33926 | 85586 | 10 |
| **55 oo** | 51953 | 66383 | 33617 | 85571 | **45 oo** |
| | **9.35** | **9.36** | **0.63** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 293 | 309 | 309 | 16 | |

| $14^g$ | 294 | 309 | 309 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.35** | **9.36** | **0.63** | **9.98** | |
| **55 oo** | 51953 | 66383 | 33617 | 85571 | **45 oo** |
| 10 | 52247 | 66692 | 33308 | 85555 | 90 |
| 20 | 52540 | 67001 | 32999 | 85539 | 80 |
| 30 | 52833 | 67310 | 32690 | 85523 | 70 |
| 40 | 53126 | 67619 | 32381 | 85507 | 60 |
| 50 | 53419 | 67928 | 32072 | 85491 | 50 |
| 60 | 53713 | 68237 | 31763 | 85475 | 40 |
| 70 | 54006 | 68546 | 31454 | 85459 | 30 |
| 80 | 54299 | 68855 | 31145 | 85444 | 20 |
| 90 | 54592 | 69164 | 30836 | 85428 | 10 |
| **56 oo** | 54885 | 69473 | 30527 | 85412 | **44 oo** |
| 10 | 55178 | 69782 | 30218 | 85396 | 90 |
| 20 | 55471 | 70091 | 29909 | 85380 | 80 |
| 30 | 55764 | 70400 | 29600 | 85364 | 70 |
| 40 | 56057 | 70709 | 29291 | 85348 | 60 |
| 50 | 56350 | 71018 | 28982 | 85332 | 50 |
| 60 | 56643 | 71326 | 28674 | 85317 | 40 |
| 70 | 56936 | 71635 | 28365 | 85301 | 30 |
| 80 | 57229 | 71944 | 28056 | 85285 | 20 |
| 90 | 57522 | 72253 | 27747 | 85269 | 10 |
| **57 oo** | 57815 | 72562 | 27438 | 85253 | **43 oo** |
| 10 | 58107 | 72870 | 27130 | 85237 | 90 |
| 20 | 58400 | 73179 | 26821 | 85221 | 80 |
| 30 | 58693 | 73488 | 26512 | 85205 | 70 |
| 40 | 58986 | 73796 | 26204 | 85189 | 60 |
| 50 | 59279 | 74105 | 25895 | 85174 | 50 |
| 60 | 59571 | 74414 | 25586 | 85158 | 40 |
| 70 | 59864 | 74722 | 25278 | 85142 | 30 |
| 80 | 60157 | 75031 | 24969 | 85126 | 20 |
| 90 | 60449 | 75339 | 24661 | 85110 | 10 |
| **58 oo** | 60742 | 75648 | 24352 | 85094 | **42 oo** |
| 10 | 61035 | 75957 | 24043 | 85078 | 90 |
| 20 | 61327 | 76265 | 23735 | 85062 | 80 |
| 30 | 61620 | 76574 | 23426 | 85046 | 70 |
| 40 | 61912 | 76882 | 23118 | 85030 | 60 |
| 50 | 62205 | 77190 | 22810 | 85014 | 50 |
| 60 | 62498 | 77499 | 22501 | 84999 | 40 |
| 70 | 62790 | 77807 | 22193 | 84983 | 30 |
| 80 | 63083 | 78116 | 21884 | 84967 | 20 |
| 90 | 63375 | 78424 | 21576 | 84951 | 10 |
| **59 oo** | 63667 | 78732 | 21268 | 84935 | **41 oo** |
| 10 | 63960 | 79041 | 20959 | 84919 | 90 |
| 20 | 64252 | 79349 | 20651 | 84903 | 80 |
| 30 | 64545 | 79657 | 20343 | 84887 | 70 |
| 40 | 64837 | 79966 | 20034 | 84871 | 60 |
| 50 | 65129 | 80274 | 19726 | 84855 | 50 |
| 60 | 65422 | 80582 | 19418 | 84839 | 40 |
| 70 | 65714 | 80890 | 19110 | 84824 | 30 |
| 80 | 66006 | 81199 | 18801 | 84808 | 20 |
| 90 | 66299 | 81507 | 18493 | 84792 | 10 |
| **60 oo** | 66591 | 81815 | 18185 | 84776 | **40 oo** |
| | **9.35** | **9.36** | **0.63** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 292 | 308 | 308 | 16 | |

| | 311 | 310 | 309 | 308 | 295 | 294 | 293 | 292 | 16 | 15 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31,1 | 31,0 | 30,9 | 30,8 | 29,5 | 29,4 | 29,3 | 29,2 | 1,6 | 1,5 | 1 |
| 2 | 62,2 | 62,0 | 61,8 | 61,6 | 59,0 | 58,8 | 58,6 | 58,4 | 3,2 | 3,0 | 2 |
| 3 | 93,3 | 93,0 | 92,7 | 92,4 | 88,5 | 88,2 | 87,9 | 87,6 | 4,8 | 4,5 | 3 |
| 4 | 124,4 | 124,0 | 123,6 | 123,2 | 118,0 | 117,6 | 117,2 | 116,8 | 6,4 | 6,0 | 4 |
| 5 | 155,5 | 155,0 | 154,5 | 154,0 | 147,5 | 147,0 | 146,5 | 146,0 | 8,0 | 7,5 | 5 |
| 6 | 186,6 | 186,0 | 185,4 | 184,8 | 177,0 | 176,4 | 175,8 | 175,2 | 9,6 | 9,0 | 6 |
| 7 | 217,7 | 217,0 | 216,3 | 215,6 | 206,5 | 205,8 | 205,1 | 204,4 | 11,2 | 10,5 | 7 |
| 8 | 248,8 | 248,0 | 247,2 | 246,4 | 236,0 | 235,2 | 234,4 | 233,6 | 12,8 | 12,0 | 8 |
| 9 | 279,9 | 279,0 | 278,1 | 277,2 | 265,5 | 264,6 | 263,7 | 262,8 | 14,4 | 13,5 | 9 |

| $14^g$ | 293 | 309 | 309 | 15 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.35** | **9.36** | **0.63** | **9.98** | |
| **60 oo** | 66591 | 81815 | 18185 | 84776 | **40 oo** |
| 10 | 66883 | 82123 | 17877 | 84760 | 90 |
| 20 | 67175 | 82431 | 17569 | 84744 | 80 |
| 30 | 67467 | 82739 | 17261 | 84728 | 70 |
| 40 | 67759 | 83047 | 16953 | 84712 | 60 |
| 50 | 68052 | 83356 | 16644 | 84696 | 50 |
| 60 | 68344 | 83664 | 16336 | 84680 | 40 |
| 70 | 68636 | 83972 | 16028 | 84664 | 30 |
| 80 | 68928 | 84280 | 15720 | 84648 | 20 |
| 90 | 69220 | 84588 | 15412 | 84632 | 10 |
| **61 oo** | 69512 | 84896 | 15104 | 84616 | **39 oo** |
| 10 | 69804 | 85204 | 14796 | 84600 | 90 |
| 20 | 70096 | 85511 | 14489 | 84585 | 80 |
| 30 | 70388 | 85819 | 14181 | 84569 | 70 |
| 40 | 70680 | 86127 | 13873 | 84553 | 60 |
| 50 | 70972 | 86435 | 13565 | 84537 | 50 |
| 60 | 71264 | 86743 | 13257 | 84521 | 40 |
| 70 | 71556 | 87051 | 12949 | 84505 | 30 |
| 80 | 71848 | 87359 | 12641 | 84489 | 20 |
| 90 | 72139 | 87666 | 12334 | 84473 | 10 |
| **62 oo** | 72431 | 87974 | 12026 | 84457 | **38 oo** |
| 10 | 72723 | 88282 | 11718 | 84441 | 90 |
| 20 | 73015 | 88590 | 11410 | 84425 | 80 |
| 30 | 73307 | 88897 | 11103 | 84409 | 70 |
| 40 | 73598 | 89205 | 10795 | 84393 | 60 |
| 50 | 73890 | 89513 | 10487 | 84377 | 50 |
| 60 | 74182 | 89820 | 10180 | 84361 | 40 |
| 70 | 74473 | 90128 | 09872 | 84345 | 30 |
| 80 | 74765 | 90436 | 09564 | 84329 | 20 |
| 90 | 75057 | 90743 | 09257 | 84313 | 10 |
| **63 oo** | 75348 | 91051 | 08949 | 84297 | **37 oo** |
| 10 | 75640 | 91358 | 08642 | 84282 | 90 |
| 20 | 75931 | 91666 | 08334 | 84266 | 80 |
| 30 | 76223 | 91973 | 08027 | 84250 | 70 |
| 40 | 76515 | 92281 | 07719 | 84234 | 60 |
| 50 | 76806 | 92588 | 07412 | 84218 | 50 |
| 60 | 77098 | 92896 | 07104 | 84202 | 40 |
| 70 | 77389 | 93203 | 06797 | 84186 | 30 |
| 80 | 77680 | 93511 | 06489 | 84170 | 20 |
| 90 | 77972 | 93818 | 06182 | 84154 | 10 |
| **64 oo** | 78263 | 94126 | 05874 | 84138 | **36 oo** |
| 10 | 78555 | 94433 | 05567 | 84122 | 90 |
| 20 | 78846 | 94740 | 05260 | 84106 | 80 |
| 30 | 79137 | 95048 | 04952 | 84090 | 70 |
| 40 | 79429 | 95355 | 04645 | 84074 | 60 |
| 50 | 79720 | 95662 | 04338 | 84058 | 50 |
| 60 | 80011 | 95969 | 04031 | 84042 | 40 |
| 70 | 80303 | 96277 | 03723 | 84026 | 30 |
| 80 | 80594 | 96584 | 03416 | 84010 | 20 |
| 90 | 80885 | 96891 | 03109 | 83994 | 10 |
| **65 oo** | 81176 | 97198 | 02802 | 83978 | **35 oo** |
| | **9.35** | **9.36** | **0.63** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 291 | 307 | 307 | 16 | |

| $14^g$ | 292 | 308 | 308 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.35** | ***9.36** | ***0.63** | **9.98** | |
| **65 oo** | 81176 | *97198 | *02802 | 83978 | **35 oo** |
| 10 | 81467 | *97505 | *02495 | 83962 | 90 |
| 20 | 81759 | *97813 | *02187 | 83946 | 80 |
| 30 | 82050 | *98120 | *01880 | 83930 | 70 |
| 40 | 82341 | *98427 | *01573 | 83914 | 60 |
| 50 | 82632 | *98734 | *01266 | 83898 | 50 |
| 60 | 82923 | *99041 | *00959 | 83882 | 40 |
| 70 | 83214 | *99348 | *00652 | 83866 | 30 |
| 80 | 83505 | *99655 | *00345 | 83850 | 20 |
| 90 | 83796 | *99962 | *00038 | 83834 | 10 |
| **66 oo** | 84087 | 00269 | 99731 | 83818 | **34 oo** |
| 10 | 84378 | 00576 | 99424 | 83802 | 90 |
| 20 | 84669 | 00883 | 99117 | 83786 | 80 |
| 30 | 84960 | 01190 | 98810 | 83770 | 70 |
| 40 | 85251 | 01497 | 98503 | 83754 | 60 |
| 50 | 85542 | 01804 | 98196 | 83738 | 50 |
| 60 | 85833 | 02111 | 97889 | 83722 | 40 |
| 70 | 86124 | 02417 | 97583 | 83706 | 30 |
| 80 | 86414 | 02724 | 97276 | 83690 | 20 |
| 90 | 86705 | 03031 | 96969 | 83674 | 10 |
| **67 oo** | 86996 | 03338 | 96662 | 83658 | **33 oo** |
| 10 | 87287 | 03645 | 96355 | 83642 | 90 |
| 20 | 87578 | 03951 | 96049 | 83626 | 80 |
| 30 | 87868 | 04258 | 95742 | 83610 | 70 |
| 40 | 88159 | 04565 | 95435 | 83594 | 60 |
| 50 | 88450 | 04872 | 95128 | 83578 | 50 |
| 60 | 88740 | 05178 | 94822 | 83562 | 40 |
| 70 | 89031 | 05485 | 94515 | 83546 | 30 |
| 80 | 89322 | 05792 | 94208 | 83530 | 20 |
| 90 | 89612 | 06098 | 93902 | 83514 | 10 |
| **68 oo** | 89903 | 06405 | 93595 | 83498 | **32 oo** |
| 10 | 90193 | 06711 | 93289 | 83482 | 90 |
| 20 | 90484 | 07018 | 92982 | 83466 | 80 |
| 30 | 90775 | 07325 | 92675 | 83450 | 70 |
| 40 | 91065 | 07631 | 92369 | 83434 | 60 |
| 50 | 91356 | 07938 | 92062 | 83418 | 50 |
| 60 | 91646 | 08244 | 91756 | 83402 | 40 |
| 70 | 91936 | 08550 | 91450 | 83386 | 30 |
| 80 | 92227 | 08857 | 91143 | 83370 | 20 |
| 90 | 92517 | 09163 | 90837 | 83354 | 10 |
| **69 oo** | 92808 | 09470 | 90530 | 83338 | **31 oo** |
| 10 | 93098 | 09776 | 90224 | 83322 | 90 |
| 20 | 93388 | 10083 | 89917 | 83306 | 80 |
| 30 | 93679 | 10389 | 89611 | 83290 | 70 |
| 40 | 93969 | 10695 | 89305 | 83274 | 60 |
| 50 | 94259 | 11002 | 88998 | 83258 | 50 |
| 60 | 94550 | 11308 | 88692 | 83242 | 40 |
| 70 | 94840 | 11614 | 88386 | 83226 | 30 |
| 80 | 95130 | 11920 | 88080 | 83210 | 20 |
| 90 | 95420 | 12227 | 87773 | 83194 | 10 |
| **70 oo** | 95710 | 12533 | 87467 | 83178 | **30 oo** |
| | **9.35** | **9.37** | **0.62** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 290 | 306 | 306 | 16 | |

| | 309 | 308 | 307 | 306 | 293 | 292 | 291 | 290 | 16 | 15 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 30,9 | 30,8 | 30,7 | 30,6 | 29,3 | 29,2 | 29,1 | 29,0 | 1,6 | 1,5 | 1 |
| 2 | 61,8 | 61,6 | 61,4 | 61,2 | 58,6 | 58,4 | 58,2 | 58,0 | 3,2 | 3,0 | 2 |
| 3 | 92,7 | 92,4 | 92,1 | 91,8 | 87,9 | 87,6 | 87,3 | 87,0 | 4,8 | 4,5 | 3 |
| 4 | 123,6 | 123,2 | 122,8 | 122,4 | 117,2 | 116,8 | 116,4 | 116,0 | 6,4 | 6,0 | 4 |
| 5 | 154,5 | 154,0 | 153,5 | 153,0 | 146,5 | 146,0 | 145,5 | 145,0 | 8,0 | 7,5 | 5 |
| 6 | 185,4 | 184,8 | 184,2 | 183,6 | 175,8 | 175,2 | 174,6 | 174,0 | 9,6 | 9,0 | 6 |
| 7 | 216,3 | 215,6 | 214,9 | 214,2 | 205,1 | 204,4 | 203,7 | 203,0 | 11,2 | 10,5 | 7 |
| 8 | 247,2 | 246,4 | 245,6 | 244,8 | 234,4 | 233,6 | 232,8 | 232,0 | 12,8 | 12,0 | 8 |
| 9 | 278,1 | 277,2 | 276,3 | 275,4 | 263,7 | 262,8 | 261,9 | 261,0 | 14,4 | 13,5 | 9 |

| $14^g$ | 291 | 307 | 307 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9.35** | **9.37** | **0.62** | **9.98** | |
| **70 oo** | *95710 | 12533 | 87467 | 83178 | **30 oo** |
| 10 | *96001 | 12839 | 87161 | 83162 | 90 |
| 20 | *96291 | 13145 | 86855 | 83145 | 80 |
| 30 | *96581 | 13451 | 86549 | 83129 | 70 |
| 40 | *96871 | 13758 | 86242 | 83113 | 60 |
| 50 | *97161 | 14064 | 85936 | 83097 | 50 |
| 60 | *97451 | 14370 | 85630 | 83081 | 40 |
| 70 | *97741 | 14676 | 85324 | 83065 | 30 |
| 80 | *98031 | 14982 | 85018 | 83049 | 20 |
| 90 | *98321 | 15288 | 84712 | 83033 | 10 |
| **71 oo** | *98611 | 15594 | 84406 | 83017 | **29 oo** |
| 10 | *98901 | 15900 | 84100 | 83001 | 90 |
| 20 | *99191 | 16206 | 83794 | 82985 | 80 |
| 30 | *99481 | 16512 | 83488 | 82969 | 70 |
| 40 | *99771 | 16818 | 83182 | 82953 | 60 |
| 50 | 00061 | 17124 | 82876 | 82937 | 50 |
| 60 | 00350 | 17430 | 82570 | 82921 | 40 |
| 70 | 00640 | 17736 | 82264 | 82905 | 30 |
| 80 | 00930 | 18041 | 81959 | 82889 | 20 |
| 90 | 01220 | 18347 | 81653 | 82873 | 10 |
| **72 oo** | 01510 | 18653 | 81347 | 82857 | **28 oo** |
| 10 | 01799 | 18959 | 81041 | 82841 | 90 |
| 20 | 02089 | 19265 | 80735 | 82824 | 80 |
| 30 | 02379 | 19570 | 80430 | 82808 | 70 |
| 40 | 02669 | 19876 | 80124 | 82792 | 60 |
| 50 | 02958 | 20182 | 79818 | 82776 | 50 |
| 60 | 03248 | 20488 | 79512 | 82760 | 40 |
| 70 | 03538 | 20793 | 79207 | 82744 | 30 |
| 80 | 03827 | 21099 | 78901 | 82728 | 20 |
| 90 | 04117 | 21405 | 78595 | 82712 | 10 |
| **73 oo** | 04406 | 21710 | 78290 | 82696 | **27 oo** |
| 10 | 04696 | 22016 | 77984 | 82680 | 90 |
| 20 | 04985 | 22322 | 77678 | 82664 | 80 |
| 30 | 05275 | 22627 | 77373 | 82648 | 70 |
| 40 | 05564 | 22933 | 77067 | 82632 | 60 |
| 50 | 05854 | 23238 | 76762 | 82616 | 50 |
| 60 | 06143 | 23544 | 76456 | 82599 | 40 |
| 70 | 06433 | 23849 | 76151 | 82583 | 30 |
| 80 | 06722 | 24155 | 75845 | 82567 | 20 |
| 90 | 07011 | 24460 | 75540 | 82551 | 10 |
| **74 oo** | 07301 | 24766 | 75234 | 82535 | **26 oo** |
| 10 | 07590 | 25071 | 74929 | 82519 | 90 |
| 20 | 07879 | 25377 | 74623 | 82503 | 80 |
| 30 | 08169 | 25682 | 74318 | 82487 | 70 |
| 40 | 08458 | 25987 | 74013 | 82471 | 60 |
| 50 | 08747 | 26293 | 73707 | 82455 | 50 |
| 60 | 09037 | 26598 | 73402 | 82439 | 40 |
| 70 | 09326 | 26903 | 73097 | 82423 | 30 |
| 80 | 09615 | 27209 | 72791 | 82406 | 20 |
| 90 | 09904 | 27514 | 72486 | 82390 | 10 |
| **75 oo** | 10193 | 27819 | 72181 | 82374 | **25 oo** |
| | **9.36** | **9.37** | **0.62** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 289 | 305 | 305 | 17 | |

| $14^g$ | 290 | 306 | 306 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.36** | **9.37** | **0.62** | **9.98** | |
| **75 oo** | 10193 | 27819 | 72181 | 82374 | **25 oo** |
| 10 | 10482 | 28124 | 71876 | 82358 | 90 |
| 20 | 10772 | 28430 | 71570 | 82342 | 80 |
| 30 | 11061 | 28735 | 71265 | 82326 | 70 |
| 40 | 11350 | 29040 | 70960 | 82310 | 60 |
| 50 | 11639 | 29345 | 70655 | 82294 | 50 |
| 60 | 11928 | 29650 | 70350 | 82278 | 40 |
| 70 | 12217 | 29955 | 70045 | 82262 | 30 |
| 80 | 12506 | 30260 | 69740 | 82245 | 20 |
| 90 | 12795 | 30566 | 69434 | 82229 | 10 |
| **76 oo** | 13084 | 30871 | 69129 | 82213 | **24 oo** |
| 10 | 13373 | 31176 | 68824 | 82197 | 90 |
| 20 | 13662 | 31481 | 68519 | 82181 | 80 |
| 30 | 13951 | 31786 | 68214 | 82165 | 70 |
| 40 | 14239 | 32091 | 67909 | 82149 | 60 |
| 50 | 14528 | 32396 | 67604 | 82133 | 50 |
| 60 | 14817 | 32701 | 67299 | 82117 | 40 |
| 70 | 15106 | 33005 | 66995 | 82100 | 30 |
| 80 | 15395 | 33310 | 66690 | 82084 | 20 |
| 90 | 15683 | 33615 | 66385 | 82068 | 10 |
| **77 oo** | 15972 | 33920 | 66080 | 82052 | **23 oo** |
| 10 | 16261 | 34225 | 65775 | 82036 | 90 |
| 20 | 16550 | 34530 | 65470 | 82020 | 80 |
| 30 | 16838 | 34835 | 65165 | 82004 | 70 |
| 40 | 17127 | 35139 | 64861 | 81988 | 60 |
| 50 | 17416 | 35444 | 64556 | 81972 | 50 |
| 60 | 17704 | 35749 | 64251 | 81955 | 40 |
| 70 | 17993 | 36054 | 63946 | 81939 | 30 |
| 80 | 18282 | 36358 | 63642 | 81923 | 20 |
| 90 | 18570 | 36663 | 63337 | 81907 | 10 |
| **78 oo** | 18859 | 36968 | 63032 | 81891 | **22 oo** |
| 10 | 19147 | 37272 | 62728 | 81875 | 90 |
| 20 | 19436 | 37577 | 62423 | 81859 | 80 |
| 30 | 19724 | 37882 | 62118 | 81842 | 70 |
| 40 | 20013 | 38186 | 61814 | 81826 | 60 |
| 50 | 20301 | 38491 | 61509 | 81810 | 50 |
| 60 | 20590 | 38795 | 61205 | 81794 | 40 |
| 70 | 20878 | 39100 | 60900 | 81778 | 30 |
| 80 | 21166 | 39405 | 60595 | 81762 | 20 |
| 90 | 21455 | 39709 | 60291 | 81746 | 10 |
| **79 oo** | 21743 | 40014 | 59986 | 81730 | **21 oo** |
| 10 | 22031 | 40318 | 59682 | 81713 | 90 |
| 20 | 22320 | 40622 | 59378 | 81697 | 80 |
| 30 | 22608 | 40927 | 59073 | 81681 | 70 |
| 40 | 22896 | 41231 | 58769 | 81665 | 60 |
| 50 | 23185 | 41536 | 58464 | 81649 | 50 |
| 60 | 23473 | 41840 | 58160 | 81633 | 40 |
| 70 | 23761 | 42144 | 57856 | 81617 | 30 |
| 80 | 24049 | 42449 | 57551 | 81600 | 20 |
| 90 | 24337 | 42753 | 57247 | 81584 | 10 |
| **80 oo** | 24625 | 43057 | 56943 | 81568 | **20 oo** |
| | **9.36** | **9.37** | **0.62** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 288 | 304 | 304 | 17 | |

| | 307 | 306 | 305 | 304 | 291 | 290 | 289 | 288 | 17 | 16 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 30,7 | 30,6 | 30,5 | 30,4 | 29,1 | 29,0 | 28,9 | 28,8 | 1,7 | 1,6 | 1 |
| 2 | 61,4 | 61,2 | 61,0 | 60,8 | 58,2 | 58,0 | 57,8 | 57,6 | 3,4 | 3,2 | 2 |
| 3 | 92,1 | 91,8 | 91,5 | 91,2 | 87,3 | 87,0 | 86,7 | 86,4 | 5,1 | 4,8 | 3 |
| 4 | 122,8 | 122,4 | 122,0 | 121,6 | 116,4 | 116,0 | 115,6 | 115,2 | 6,8 | 6,4 | 4 |
| 5 | 153,5 | 153,0 | 152,5 | 152,0 | 145,5 | 145,0 | 144,5 | 144,0 | 8,5 | 8,0 | 5 |
| 6 | 184,2 | 183,6 | 183,0 | 182,4 | 174,6 | 174,0 | 173,4 | 172,8 | 10,2 | 9,6 | 6 |
| 7 | 214,9 | 214,2 | 213,5 | 212,8 | 203,7 | 203,0 | 202,3 | 201,6 | 11,9 | 11,2 | 7 |
| 8 | 245,6 | 244,8 | 244,0 | 243,2 | 232,8 | 232,0 | 231,2 | 230,4 | 13,6 | 12,8 | 8 |
| 9 | 276,3 | 275,4 | 274,5 | 273,6 | 261,9 | 261,0 | 260,1 | 259,2 | 15,3 | 14,4 | 9 |

| $14^g$ | 289 | 305 | 305 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.36** | **9.37** | **0.62** | **9.98** | |
| **80 oo** | 24625 | 43057 | 56943 | 81568 | **20 oo** |
| 10 | 24914 | 43362 | 56638 | 81552 | 90 |
| 20 | 25202 | 43666 | 56334 | 81536 | 80 |
| 30 | 25490 | 43970 | 56030 | 81520 | 70 |
| 40 | 25778 | 44274 | 55726 | 81503 | 60 |
| 50 | 26066 | 44579 | 55421 | 81487 | 50 |
| 60 | 26354 | 44883 | 55117 | 81471 | 40 |
| 70 | 26642 | 45187 | 54813 | 81455 | 30 |
| 80 | 26930 | 45491 | 54509 | 81439 | 20 |
| 90 | 27218 | 45795 | 54205 | 81423 | 10 |
| **81 oo** | 27506 | 46099 | 53901 | 81407 | **19 oo** |
| 10 | 27794 | 46403 | 53597 | 81390 | 90 |
| 20 | 28082 | 46707 | 53293 | 81374 | 80 |
| 30 | 28370 | 47011 | 52989 | 81358 | 70 |
| 40 | 28657 | 47316 | 52684 | 81342 | 60 |
| 50 | 28945 | 47620 | 52380 | 81326 | 50 |
| 60 | 29233 | 47924 | 52076 | 81310 | 40 |
| 70 | 29521 | 48228 | 51772 | 81293 | 30 |
| 80 | 29809 | 48531 | 51469 | 81277 | 20 |
| 90 | 30096 | 48835 | 51165 | 81261 | 10 |
| **82 oo** | 30384 | 49139 | 50861 | 81245 | **18 oo** |
| 10 | 30672 | 49443 | 50557 | 81229 | 90 |
| 20 | 30960 | 49747 | 50253 | 81212 | 80 |
| 30 | 31247 | 50051 | 49949 | 81196 | 70 |
| 40 | 31535 | 50355 | 49645 | 81180 | 60 |
| 50 | 31823 | 50659 | 49341 | 81164 | 50 |
| 60 | 32110 | 50962 | 49038 | 81148 | 40 |
| 70 | 32398 | 51266 | 48734 | 81132 | 30 |
| 80 | 32685 | 51570 | 48430 | 81115 | 20 |
| 90 | 32973 | 51874 | 48126 | 81099 | 10 |
| **83 oo** | 33260 | 52177 | 47823 | 81083 | **17 oo** |
| 10 | 33548 | 52481 | 47519 | 81067 | 90 |
| 20 | 33835 | 52785 | 47215 | 81051 | 80 |
| 30 | 34123 | 53089 | 46911 | 81034 | 70 |
| 40 | 34410 | 53392 | 46608 | 81018 | 60 |
| 50 | 34698 | 53696 | 46304 | 81002 | 50 |
| 60 | 34985 | 53999 | 46001 | 80986 | 40 |
| 70 | 35273 | 54303 | 45697 | 80970 | 30 |
| 80 | 35560 | 54607 | 45393 | 80954 | 20 |
| 90 | 35847 | 54910 | 45090 | 80937 | 10 |
| **84 oo** | 36135 | 55214 | 44786 | 80921 | **16 oo** |
| 10 | 36422 | 55517 | 44483 | 80905 | 90 |
| 20 | 36709 | 55821 | 44179 | 80889 | 80 |
| 30 | 36997 | 56124 | 43876 | 80873 | 70 |
| 40 | 37284 | 56428 | 43572 | 80856 | 60 |
| 50 | 37571 | 56731 | 43269 | 80840 | 50 |
| 60 | 37858 | 57034 | 42966 | 80824 | 40 |
| 70 | 38146 | 57338 | 42662 | 80808 | 30 |
| 80 | 38433 | 57641 | 42359 | 80792 | 20 |
| 90 | 38720 | 57945 | 42055 | 80775 | 10 |
| **85 oo** | 39007 | 58248 | 41752 | 80759 | **15 oo** |
| | **9.36** | **9.37** | **0.62** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 287 | 303 | 303 | 17 | |

| $14^g$ | 288 | 304 | 304 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.36** | **9.37** | **0.62** | **9.98** | |
| **85 oo** | 39007 | 58248 | 41752 | 80759 | **15 oo** |
| 10 | 39294 | 58551 | 41449 | 80743 | 90 |
| 20 | 39581 | 58855 | 41145 | 80727 | 80 |
| 30 | 39868 | 59158 | 40842 | 80710 | 70 |
| 40 | 40155 | 59461 | 40539 | 80694 | 60 |
| 50 | 40442 | 59764 | 40236 | 80678 | 50 |
| 60 | 40730 | 60068 | 39932 | 80662 | 40 |
| 70 | 41017 | 60371 | 39629 | 80646 | 30 |
| 80 | 41303 | 60674 | 39326 | 80629 | 20 |
| 90 | 41590 | 60977 | 39023 | 80613 | 10 |
| **86 oo** | 41877 | 61280 | 38720 | 80597 | **14 oo** |
| 10 | 42164 | 61584 | 38416 | 80581 | 90 |
| 20 | 42451 | 61887 | 38113 | 80565 | 80 |
| 30 | 42738 | 62190 | 37810 | 80548 | 70 |
| 40 | 43025 | 62493 | 37507 | 80532 | 60 |
| 50 | 43312 | 62796 | 37204 | 80516 | 50 |
| 60 | 43599 | 63099 | 36901 | 80500 | 40 |
| 70 | 43885 | 63402 | 36598 | 80483 | 30 |
| 80 | 44172 | 63705 | 36295 | 80467 | 20 |
| 90 | 44459 | 64008 | 35992 | 80451 | 10 |
| **87 oo** | 44746 | 64311 | 35689 | 80435 | **13 oo** |
| 10 | 45032 | 64614 | 35386 | 80418 | 90 |
| 20 | 45319 | 64917 | 35083 | 80402 | 80 |
| 30 | 45606 | 65220 | 34780 | 80386 | 70 |
| 40 | 45892 | 65523 | 34477 | 80370 | 60 |
| 50 | 46179 | 65826 | 34174 | 80354 | 50 |
| 60 | 46466 | 66128 | 33872 | 80337 | 40 |
| 70 | 46752 | 66431 | 33569 | 80321 | 30 |
| 80 | 47039 | 66734 | 33266 | 80305 | 20 |
| 90 | 47325 | 67037 | 32963 | 80289 | 10 |
| **88 oo** | 47612 | 67340 | 32660 | 80272 | **12 oo** |
| 10 | 47899 | 67642 | 32358 | 80256 | 90 |
| 20 | 48185 | 67945 | 32055 | 80240 | 80 |
| 30 | 48471 | 68248 | 31752 | 80224 | 70 |
| 40 | 48758 | 68551 | 31449 | 80207 | 60 |
| 50 | 49044 | 68853 | 31147 | 80191 | 50 |
| 60 | 49331 | 69156 | 30844 | 80175 | 40 |
| 70 | 49617 | 69459 | 30541 | 80159 | 30 |
| 80 | 49904 | 69761 | 30239 | 80142 | 20 |
| 90 | 50190 | 70064 | 29936 | 80126 | 10 |
| **89 oo** | 50476 | 70366 | 29634 | 80110 | **11 oo** |
| 10 | 50763 | 70669 | 29331 | 80094 | 90 |
| 20 | 51049 | 70972 | 29028 | 80077 | 80 |
| 30 | 51335 | 71274 | 28726 | 80061 | 70 |
| 40 | 51621 | 71577 | 28423 | 80045 | 60 |
| 50 | 51908 | 71879 | 28121 | 80029 | 50 |
| 60 | 52194 | 72182 | 27818 | 80012 | 40 |
| 70 | 52480 | 72484 | 27516 | 79996 | 30 |
| 80 | 52766 | 72786 | 27214 | 79980 | 20 |
| 90 | 53052 | 73089 | 26911 | 79964 | 10 |
| **90 oo** | 53339 | 73391 | 26609 | 79947 | **10 oo** |
| | **9.36** | **9.37** | **0.62** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 286 | 302 | 302 | 17 | |

| | 305 | 304 | 303 | 302 | 289 | 288 | 287 | 286 | 17 | 16 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 30,5 | 30,4 | 30,3 | 30,2 | 28,9 | 28,8 | 28,7 | 28,6 | 1,7 | 1,6 | 1 |
| 2 | 61,0 | 60,8 | 60,6 | 60,4 | 57,8 | 57,6 | 57,4 | 57,2 | 3,4 | 3,2 | 2 |
| 3 | 91,5 | 91,2 | 90,9 | 90,6 | 86,7 | 86,4 | 86,1 | 85,8 | 5,1 | 4,8 | 3 |
| 4 | 122,0 | 121,6 | 121,2 | 120,8 | 115,6 | 115,2 | 114,8 | 114,4 | 6,8 | 6,4 | 4 |
| 5 | 152,5 | 152,0 | 151,5 | 151,0 | 144,5 | 144,0 | 143,5 | 143,0 | 8,5 | 8,0 | 5 |
| 6 | 183,0 | 182,4 | 181,8 | 181,2 | 173,4 | 172,8 | 172,2 | 171,6 | 10,2 | 9,6 | 6 |
| 7 | 213,5 | 212,8 | 212,1 | 211,4 | 202,3 | 201,6 | 200,9 | 200,2 | 11,9 | 11,2 | 7 |
| 8 | 244,0 | 243,2 | 242,4 | 241,6 | 231,2 | 230,4 | 229,6 | 228,8 | 13,6 | 12,8 | 8 |
| 9 | 274,5 | 273,6 | 272,7 | 271,8 | 260,1 | 259,2 | 258,3 | 257,4 | 15,3 | 14,4 | 9 |

| $14^g$ | 286 | 303 | 303 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.36** | **9.37** | **0.62** | **9.98** | |
| **90 oo** | 53339 | 73391 | 26609 | 79947 | **10 oo** |
| 10 | 53625 | 73694 | 26306 | 79931 | 90 |
| 20 | 53911 | 73996 | 26004 | 79915 | 80 |
| 30 | 54197 | 74298 | 25702 | 79898 | 70 |
| 40 | 54483 | 74601 | 25399 | 79882 | 60 |
| 50 | 54769 | 74903 | 25097 | 79866 | 50 |
| 60 | 55055 | 75205 | 24795 | 79850 | 40 |
| 70 | 55341 | 75508 | 24492 | 79833 | 30 |
| 80 | 55627 | 75810 | 24190 | 79817 | 20 |
| 90 | 55913 | 76112 | 23888 | 79801 | 10 |
| **91 oo** | 56199 | 76414 | 23586 | 79785 | **09 oo** |
| 10 | 56485 | 76717 | 23283 | 79768 | 90 |
| 20 | 56771 | 77019 | 22981 | 79752 | 80 |
| 30 | 57057 | 77321 | 22679 | 79736 | 70 |
| 40 | 57342 | 77623 | 22377 | 79719 | 60 |
| 50 | 57628 | 77925 | 22075 | 79703 | 50 |
| 60 | 57914 | 78227 | 21773 | 79687 | 40 |
| 70 | 58200 | 78529 | 21471 | 79671 | 30 |
| 80 | 58486 | 78831 | 21169 | 79654 | 20 |
| 90 | 58772 | 79133 | 20867 | 79638 | 10 |
| **92 oo** | 59057 | 79435 | 20565 | 79622 | **08 oo** |
| 10 | 59343 | 79737 | 20263 | 79605 | 90 |
| 20 | 59629 | 80039 | 19961 | 79589 | 80 |
| 30 | 59914 | 80341 | 19659 | 79573 | 70 |
| 40 | 60200 | 80643 | 19357 | 79557 | 60 |
| 50 | 60486 | 80945 | 19055 | 79540 | 50 |
| 60 | 60771 | 81247 | 18753 | 79524 | 40 |
| 70 | 61057 | 81549 | 18451 | 79508 | 30 |
| 80 | 61342 | 81851 | 18149 | 79491 | 20 |
| 90 | 61628 | 82153 | 17847 | 79475 | 10 |
| **93 oo** | 61914 | 82455 | 17545 | 79459 | **07 oo** |
| 10 | 62199 | 82757 | 17243 | 79443 | 90 |
| 20 | 62485 | 83058 | 16942 | 79426 | 80 |
| 30 | 62770 | 83360 | 16640 | 79410 | 70 |
| 40 | 63056 | 83662 | 16338 | 79394 | 60 |
| 50 | 63341 | 83964 | 16036 | 79377 | 50 |
| 60 | 63626 | 84265 | 15735 | 79361 | 40 |
| 70 | 63912 | 84567 | 15433 | 79345 | 30 |
| 80 | 64197 | 84869 | 15131 | 79328 | 20 |
| 90 | 64483 | 85170 | 14830 | 79312 | 10 |
| **94 oo** | 64768 | 85472 | 14528 | 79296 | **06 oo** |
| 10 | 65053 | 85774 | 14226 | 79279 | 90 |
| 20 | 65339 | 86075 | 13925 | 79263 | 80 |
| 30 | 65624 | 86377 | 13623 | 79247 | 70 |
| 40 | 65909 | 86679 | 13321 | 79231 | 60 |
| 50 | 66194 | 86980 | 13020 | 79214 | 50 |
| 60 | 66480 | 87282 | 12718 | 79198 | 40 |
| 70 | 66765 | 87583 | 12417 | 79182 | 30 |
| 80 | 67050 | 87885 | 12115 | 79165 | 20 |
| 90 | 67335 | 88186 | 11814 | 79149 | 10 |
| **95 oo** | 67620 | 88488 | 11512 | 79133 | **05 oo** |
| | **9.36** | **9.37** | **0.62** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 285 | 301 | 301 | 17 | |

| $14^g$ | 286 | 302 | 302 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.36** | **9.37** | **0.62** | **9.98** | |
| **95 oo** | 67620 | 88488 | 11512 | 79133 | **05 oo** |
| 10 | 67905 | 88789 | 11211 | 79116 | 90 |
| 20 | 68191 | 89091 | 10909 | 79100 | 80 |
| 30 | 68476 | 89392 | 10608 | 79084 | 70 |
| 40 | 68761 | 89693 | 10307 | 79067 | 60 |
| 50 | 69046 | 89995 | 10005 | 79051 | 50 |
| 60 | 69331 | 90296 | 09704 | 79035 | 40 |
| 70 | 69616 | 90597 | 09403 | 79018 | 30 |
| 80 | 69901 | 90899 | 09101 | 79002 | 20 |
| 90 | 70186 | 91200 | 08800 | 78986 | 10 |
| **96 oo** | 70471 | 91501 | 08499 | 78969 | **04 oo** |
| 10 | 70756 | 91803 | 08197 | 78953 | 90 |
| 20 | 71041 | 92104 | 07896 | 78937 | 80 |
| 30 | 71325 | 92405 | 07595 | 78920 | 70 |
| 40 | 71610 | 92706 | 07294 | 78904 | 60 |
| 50 | 71895 | 93007 | 06993 | 78888 | 50 |
| 60 | 72180 | 93309 | 06691 | 78871 | 40 |
| 70 | 72465 | 93610 | 06390 | 78855 | 30 |
| 80 | 72750 | 93911 | 06089 | 78839 | 20 |
| 90 | 73034 | 94212 | 05788 | 78822 | 10 |
| **97 oo** | 73319 | 94513 | 05487 | 78806 | **03 oo** |
| 10 | 73604 | 94814 | 05186 | 78790 | 90 |
| 20 | 73889 | 95115 | 04885 | 78773 | 80 |
| 30 | 74173 | 95416 | 04584 | 78757 | 70 |
| 40 | 74458 | 95717 | 04283 | 78741 | 60 |
| 50 | 74743 | 96018 | 03982 | 78724 | 50 |
| 60 | 75027 | 96319 | 03681 | 78708 | 40 |
| 70 | 75312 | 96620 | 03380 | 78692 | 30 |
| 80 | 75596 | 96921 | 03079 | 78675 | 20 |
| 90 | 75881 | 97222 | 02778 | 78659 | 10 |
| **98 oo** | 76166 | 97523 | 02477 | 78642 | **02 oo** |
| 10 | 76450 | 97824 | 02176 | 78626 | 90 |
| 20 | 76735 | 98125 | 01875 | 78610 | 80 |
| 30 | 77019 | 98426 | 01574 | 78593 | 70 |
| 40 | 77304 | 98727 | 01273 | 78577 | 60 |
| 50 | 77588 | 99027 | 00973 | 78561 | 50 |
| 60 | 77872 | 99328 | 00672 | 78544 | 40 |
| 70 | 78157 | 99629 | 00371 | 78528 | 30 |
| 80 | 78441 | 99930 | 00070 | 78512 | 20 |
| 90 | 78726 | *00230 | *99770 | 78495 | 10 |
| **99 oo** | 79010 | *00531 | *99469 | 78479 | **01 oo** |
| 10 | 79294 | *00832 | *99168 | 78463 | 90 |
| 20 | 79579 | *01133 | *98867 | 78446 | 80 |
| 30 | 79863 | *01433 | *98567 | 78430 | 70 |
| 40 | 80147 | *01734 | *98266 | 78413 | 60 |
| 50 | 80432 | *02034 | *97966 | 78397 | 50 |
| 60 | 80716 | *02335 | *97665 | 78381 | 40 |
| 70 | 81000 | *02636 | *97364 | 78364 | 30 |
| 80 | 81284 | *02936 | *97064 | 78348 | 20 |
| 90 | 81568 | *03237 | *96763 | 78332 | 10 |
| **100 oo** | 81853 | *03537 | *96463 | 78315 | **00 oo** |
| | **9.36** | ***9.38** | ***0.61** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $85^g$ |
| | 284 | 300 | 300 | 17 | |

| | 303 | 302 | 301 | 300 | 286 | 285 | 284 | 17 | 16 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 30,3 | 30,2 | 30,1 | 30,0 | 28,6 | 28,5 | 28,4 | 1,7 | 1,6 | 1 |
| 2 | 60,6 | 60,4 | 60,2 | 60,0 | 57,2 | 57,0 | 56,8 | 3,4 | 3,2 | 2 |
| 3 | 90,9 | 90,6 | 90,3 | 90,0 | 85,8 | 85,5 | 85,2 | 5,1 | 4,8 | 3 |
| 4 | 121,2 | 120,8 | 120,4 | 120,0 | 114,4 | 114,0 | 113,6 | 6,8 | 6,4 | 4 |
| 5 | 151,5 | 151,0 | 150,5 | 150,0 | 143,0 | 142,5 | 142,0 | 8,5 | 8,0 | 5 |
| 6 | 181,8 | 181,2 | 180,6 | 180,0 | 171,6 | 171,0 | 170,4 | 10,2 | 9,6 | 6 |
| 7 | 212,1 | 211,4 | 210,7 | 210,0 | 200,2 | 199,5 | 198,8 | 11,9 | 11,2 | 7 |
| 8 | 242,4 | 241,6 | 240,8 | 240,0 | 228,8 | 228,0 | 227,2 | 13,6 | 12,8 | 8 |
| 9 | 272,7 | 271,8 | 270,9 | 270,0 | 257,4 | 256,5 | 255,6 | 15,3 | 14,4 | 9 |

| 15g | 284 | 301 | 301 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.36** | **9.38** | **0.61** | **9.98** | |
| **00 oo** | 81853 | 03537 | 96463 | 78315 | **100 oo** |
| 10 | 82137 | 03838 | 96162 | 78299 | 90 |
| 20 | 82421 | 04138 | 95862 | 78282 | 80 |
| 30 | 82705 | 04439 | 95561 | 78266 | 70 |
| 40 | 82989 | 04739 | 95261 | 78250 | 60 |
| 50 | 83273 | 05040 | 94960 | 78233 | 50 |
| 60 | 83557 | 05340 | 94660 | 78217 | 40 |
| 70 | 83841 | 05641 | 94359 | 78200 | 30 |
| 80 | 84125 | 05941 | 94059 | 78184 | 20 |
| 90 | 84409 | 06241 | 93759 | 78168 | 10 |
| **01 oo** | 84693 | 06542 | 93458 | 78151 | **99 oo** |
| 10 | 84977 | 06842 | 93158 | 78135 | 90 |
| 20 | 85261 | 07142 | 92858 | 78119 | 80 |
| 30 | 85545 | 07443 | 92557 | 78102 | 70 |
| 40 | 85829 | 07743 | 92257 | 78086 | 60 |
| 50 | 86113 | 08043 | 91957 | 78069 | 50 |
| 60 | 86396 | 08343 | 91657 | 78053 | 40 |
| 70 | 86680 | 08644 | 91356 | 78037 | 30 |
| 80 | 86964 | 08944 | 91056 | 78020 | 20 |
| 90 | 87248 | 09244 | 90756 | 78004 | 10 |
| **02 oo** | 87532 | 09544 | 90456 | 77987 | **98 oo** |
| 10 | 87815 | 09844 | 90156 | 77971 | 90 |
| 20 | 88099 | 10145 | 89855 | 77955 | 80 |
| 30 | 88383 | 10445 | 89555 | 77938 | 70 |
| 40 | 88667 | 10745 | 89255 | 77922 | 60 |
| 50 | 88950 | 11045 | 88955 | 77905 | 50 |
| 60 | 89234 | 11345 | 88655 | 77889 | 40 |
| 70 | 89517 | 11645 | 88355 | 77873 | 30 |
| 80 | 89801 | 11945 | 88055 | 77856 | 20 |
| 90 | 90085 | 12245 | 87755 | 77840 | 10 |
| **03 oo** | 90368 | 12545 | 87455 | 77823 | **97 oo** |
| 10 | 90652 | 12845 | 87155 | 77807 | 90 |
| 20 | 90935 | 13145 | 86855 | 77790 | 80 |
| 30 | 91219 | 13445 | 86555 | 77774 | 70 |
| 40 | 91502 | 13745 | 86255 | 77758 | 60 |
| 50 | 91786 | 14045 | 85955 | 77741 | 50 |
| 60 | 92069 | 14344 | 85656 | 77725 | 40 |
| 70 | 92353 | 14644 | 85356 | 77708 | 30 |
| 80 | 92636 | 14944 | 85056 | 77692 | 20 |
| 90 | 92920 | 15244 | 84756 | 77676 | 10 |
| **04 oo** | 93203 | 15544 | 84456 | 77659 | **96 oo** |
| 10 | 93486 | 15844 | 84156 | 77643 | 90 |
| 20 | 93770 | 16143 | 83857 | 77626 | 80 |
| 30 | 94053 | 16443 | 83557 | 77610 | 70 |
| 40 | 94336 | 16743 | 83257 | 77593 | 60 |
| 50 | 94619 | 17042 | 82958 | 77577 | 50 |
| 60 | 94903 | 17342 | 82658 | 77561 | 40 |
| 70 | 95186 | 17642 | 82358 | 77544 | 30 |
| 80 | 95469 | 17942 | 82058 | 77528 | 20 |
| 90 | 95752 | 18241 | 81759 | 77511 | 10 |
| **05 oo** | 96036 | 18541 | 81459 | 77495 | **95 oo** |
| | **9.36** | **9.38** | **0.61** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 283 | 299 | 299 | 17 | 84g |

| 15g | 283 | 300 | 300 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.36** | **9.38** | **0.61** | **9.98** | |
| **05 oo** | ∗96036 | 18541 | 81459 | 77495 | **95 oo** |
| 10 | ∗96319 | 18840 | 81160 | 77478 | 90 |
| 20 | ∗96602 | 19140 | 80860 | 77462 | 80 |
| 30 | ∗96885 | 19439 | 80561 | 77446 | 70 |
| 40 | ∗97168 | 19739 | 80261 | 77429 | 60 |
| 50 | ∗97451 | 20039 | 79961 | 77413 | 50 |
| 60 | ∗97734 | 20338 | 79662 | 77396 | 40 |
| 70 | ∗98017 | 20638 | 79362 | 77380 | 30 |
| 80 | ∗98300 | 20937 | 79063 | 77363 | 20 |
| 90 | ∗98583 | 21236 | 78764 | 77347 | 10 |
| **06 oo** | ∗98866 | 21536 | 78464 | 77330 | **94 oo** |
| 10 | ∗99149 | 21835 | 78165 | 77314 | 90 |
| 20 | ∗99432 | 22135 | 77865 | 77298 | 80 |
| 30 | ∗99715 | 22434 | 77566 | 77281 | 70 |
| 40 | ∗99998 | 22733 | 77267 | 77265 | 60 |
| 50 | 00281 | 23033 | 76967 | 77248 | 50 |
| 60 | 00564 | 23332 | 76668 | 77232 | 40 |
| 70 | 00847 | 23631 | 76369 | 77215 | 30 |
| 80 | 01130 | 23931 | 76069 | 77199 | 20 |
| 90 | 01412 | 24230 | 75770 | 77182 | 10 |
| **07 oo** | 01695 | 24529 | 75471 | 77166 | **93 oo** |
| 10 | 01978 | 24828 | 75172 | 77149 | 90 |
| 20 | 02261 | 25128 | 74872 | 77133 | 80 |
| 30 | 02543 | 25427 | 74573 | 77117 | 70 |
| 40 | 02826 | 25726 | 74274 | 77100 | 60 |
| 50 | 03109 | 26025 | 73975 | 77084 | 50 |
| 60 | 03391 | 26324 | 73676 | 77067 | 40 |
| 70 | 03674 | 26623 | 73377 | 77051 | 30 |
| 80 | 03957 | 26923 | 73077 | 77034 | 20 |
| 90 | 04239 | 27222 | 72778 | 77018 | 10 |
| **08 oo** | 04522 | 27521 | 72479 | 77001 | **92 oo** |
| 10 | 04805 | 27820 | 72180 | 76985 | 90 |
| 20 | 05087 | 28119 | 71881 | 76968 | 80 |
| 30 | 05370 | 28418 | 71582 | 76952 | 70 |
| 40 | 05652 | 28717 | 71283 | 76935 | 60 |
| 50 | 05935 | 29016 | 70984 | 76919 | 50 |
| 60 | 06217 | 29315 | 70685 | 76902 | 40 |
| 70 | 06500 | 29614 | 70386 | 76886 | 30 |
| 80 | 06782 | 29913 | 70087 | 76870 | 20 |
| 90 | 07064 | 30211 | 69789 | 76853 | 10 |
| **09 oo** | 07347 | 30510 | 69490 | 76837 | **91 oo** |
| 10 | 07629 | 30809 | 69191 | 76820 | 90 |
| 20 | 07912 | 31108 | 68892 | 76804 | 80 |
| 30 | 08194 | 31407 | 68593 | 76787 | 70 |
| 40 | 08476 | 31706 | 68294 | 76771 | 60 |
| 50 | 08759 | 32004 | 67996 | 76754 | 50 |
| 60 | 09041 | 32303 | 67697 | 76738 | 40 |
| 70 | 09323 | 32602 | 67398 | 76721 | 30 |
| 80 | 09605 | 32901 | 67099 | 76705 | 20 |
| 90 | 09888 | 33199 | 66801 | 76688 | 10 |
| **10 oo** | 10170 | 33498 | 66502 | 76672 | **90 oo** |
| | **9.37** | **9.38** | **0.61** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 282 | 298 | 298 | 17 | 84g |

| | 301 | 300 | 299 | 298 | 284 | 283 | 282 | 17 | 16 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 30,1 | 30,0 | 29,9 | 29,8 | 28,4 | 28,3 | 28,2 | 1,7 | 1,6 | 1 |
| 2 | 60,2 | 60,0 | 59,8 | 59,6 | 56,8 | 56,6 | 56,4 | 3,4 | 3,2 | 2 |
| 3 | 90,3 | 90,0 | 89,7 | 89,4 | 85,2 | 84,9 | 84,6 | 5,1 | 4,8 | 3 |
| 4 | 120,4 | 120,0 | 119,6 | 119,2 | 113,6 | 113,2 | 112,8 | 6,8 | 6,4 | 4 |
| 5 | 150,5 | 150,0 | 149,5 | 149,0 | 142,0 | 141,5 | 141,0 | 8,5 | 8,0 | 5 |
| 6 | 180,6 | 180,0 | 179,4 | 178,8 | 170,4 | 169,8 | 169,2 | 10,2 | 9,6 | 6 |
| 7 | 210,7 | 210,0 | 209,3 | 208,6 | 198,8 | 198,1 | 197,4 | 11,9 | 11,2 | 7 |
| 8 | 240,8 | 240,0 | 239,2 | 238,4 | 227,2 | 226,4 | 225,6 | 13,6 | 12,8 | 8 |
| 9 | 270,9 | 270,0 | 269,1 | 268,2 | 255,6 | 254,7 | 253,8 | 15,3 | 14,4 | 9 |

| $15^g$ | 283 | 299 | 299 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.37** | **9.38** | **0.61** | **9.98** | |
| **10 oo** | 10170 | 33498 | 66502 | 76672 | **90 oo** |
| 10 | 10452 | 33797 | 66203 | 76655 | 90 |
| 20 | 10734 | 34095 | 65905 | 76639 | 80 |
| 30 | 11016 | 34394 | 65606 | 76622 | 70 |
| 40 | 11298 | 34693 | 65307 | 76606 | 60 |
| 50 | 11581 | 34991 | 65009 | 76589 | 50 |
| 60 | 11863 | 35290 | 64710 | 76573 | 40 |
| 70 | 12145 | 35589 | 64411 | 76556 | 30 |
| 80 | 12427 | 35887 | 64113 | 76540 | 20 |
| 90 | 12709 | 36186 | 63814 | 76523 | 10 |
| **11 oo** | 12991 | 36484 | 63516 | 76507 | **89 oo** |
| 10 | 13273 | 36783 | 63217 | 76490 | 90 |
| 20 | 13555 | 37081 | 62919 | 76474 | 80 |
| 30 | 13837 | 37380 | 62620 | 76457 | 70 |
| 40 | 14119 | 37678 | 62322 | 76441 | 60 |
| 50 | 14401 | 37976 | 62024 | 76424 | 50 |
| 60 | 14683 | 38275 | 61725 | 76408 | 40 |
| 70 | 14964 | 38573 | 61427 | 76391 | 30 |
| 80 | 15246 | 38872 | 61128 | 76375 | 20 |
| 90 | 15528 | 39170 | 60830 | 76358 | 10 |
| **12 oo** | 15810 | 39468 | 60532 | 76342 | **88 oo** |
| 10 | 16092 | 39767 | 60233 | 76325 | 90 |
| 20 | 16373 | 40065 | 59935 | 76309 | 80 |
| 30 | 16655 | 40363 | 59637 | 76292 | 70 |
| 40 | 16937 | 40661 | 59339 | 76276 | 60 |
| 50 | 17219 | 40960 | 59040 | 76259 | 50 |
| 60 | 17500 | 41258 | 58742 | 76243 | 40 |
| 70 | 17782 | 41556 | 58444 | 76226 | 30 |
| 80 | 18064 | 41854 | 58146 | 76210 | 20 |
| 90 | 18345 | 42152 | 57848 | 76193 | 10 |
| **13 oo** | 18627 | 42451 | 57549 | 76176 | **87 oo** |
| 10 | 18909 | 42749 | 57251 | 76160 | 90 |
| 20 | 19190 | 43047 | 56953 | 76143 | 80 |
| 30 | 19472 | 43345 | 56655 | 76127 | 70 |
| 40 | 19753 | 43643 | 56357 | 76110 | 60 |
| 50 | 20035 | 43941 | 56059 | 76094 | 50 |
| 60 | 20316 | 44239 | 55761 | 76077 | 40 |
| 70 | 20598 | 44537 | 55463 | 76061 | 30 |
| 80 | 20879 | 44835 | 55165 | 76044 | 20 |
| 90 | 21161 | 45133 | 54867 | 76028 | 10 |
| **14 oo** | 21442 | 45431 | 54569 | 76011 | **86 oo** |
| 10 | 21724 | 45729 | 54271 | 75995 | 90 |
| 20 | 22005 | 46027 | 53973 | 75978 | 80 |
| 30 | 22286 | 46325 | 53675 | 75962 | 70 |
| 40 | 22568 | 46623 | 53377 | 75945 | 60 |
| 50 | 22849 | 46921 | 53079 | 75928 | 50 |
| 60 | 23130 | 47219 | 52781 | 75912 | 40 |
| 70 | 23412 | 47516 | 52484 | 75895 | 30 |
| 80 | 23693 | 47814 | 52186 | 75879 | 20 |
| 90 | 23974 | 48112 | 51888 | 75862 | 10 |
| **15 oo** | 24256 | 48410 | 51590 | 75846 | **85 oo** |
| | **9.37** | **9.38** | **0.61** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $84^g$ |
| | 281 | 297 | 297 | 17 | |

| $15^g$ | 282 | 298 | 298 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.37** | **9.38** | **0.61** | **9.98** | |
| **15 oo** | 24256 | 48410 | 51590 | 75846 | **85 oo** |
| 10 | 24537 | 48708 | 51292 | 75829 | 90 |
| 20 | 24818 | 49005 | 50995 | 75813 | 80 |
| 30 | 25099 | 49303 | 50697 | 75796 | 70 |
| 40 | 25380 | 49601 | 50399 | 75780 | 60 |
| 50 | 25661 | 49898 | 50102 | 75763 | 50 |
| 60 | 25943 | 50196 | 49804 | 75746 | 40 |
| 70 | 26224 | 50494 | 49506 | 75730 | 30 |
| 80 | 26505 | 50791 | 49209 | 75713 | 20 |
| 90 | 26786 | 51089 | 48911 | 75697 | 10 |
| **16 oo** | 27067 | 51387 | 48613 | 75680 | **84 oo** |
| 10 | 27348 | 51684 | 48316 | 75664 | 90 |
| 20 | 27629 | 51982 | 48018 | 75647 | 80 |
| 30 | 27910 | 52279 | 47721 | 75630 | 70 |
| 40 | 28191 | 52577 | 47423 | 75614 | 60 |
| 50 | 28472 | 52874 | 47126 | 75597 | 50 |
| 60 | 28753 | 53172 | 46828 | 75581 | 40 |
| 70 | 29034 | 53469 | 46531 | 75564 | 30 |
| 80 | 29315 | 53767 | 46233 | 75548 | 20 |
| 90 | 29595 | 54064 | 45936 | 75531 | 10 |
| **17 oo** | 29876 | 54362 | 45638 | 75515 | **83 oo** |
| 10 | 30157 | 54659 | 45341 | 75498 | 90 |
| 20 | 30438 | 54957 | 45043 | 75481 | 80 |
| 30 | 30719 | 55254 | 44746 | 75465 | 70 |
| 40 | 31000 | 55551 | 44449 | 75448 | 60 |
| 50 | 31280 | 55849 | 44151 | 75432 | 50 |
| 60 | 31561 | 56146 | 43854 | 75415 | 40 |
| 70 | 31842 | 56443 | 43557 | 75399 | 30 |
| 80 | 32122 | 56741 | 43259 | 75382 | 20 |
| 90 | 32403 | 57038 | 42962 | 75365 | 10 |
| **18 oo** | 32684 | 57335 | 42665 | 75349 | **82 oo** |
| 10 | 32964 | 57632 | 42368 | 75332 | 90 |
| 20 | 33245 | 57929 | 42071 | 75316 | 80 |
| 30 | 33526 | 58227 | 41773 | 75299 | 70 |
| 40 | 33806 | 58524 | 41476 | 75282 | 60 |
| 50 | 34087 | 58821 | 41179 | 75266 | 50 |
| 60 | 34367 | 59118 | 40882 | 75249 | 40 |
| 70 | 34648 | 59415 | 40585 | 75233 | 30 |
| 80 | 34928 | 59712 | 40288 | 75216 | 20 |
| 90 | 35209 | 60009 | 39991 | 75199 | 10 |
| **19 oo** | 35489 | 60306 | 39694 | 75183 | **81 oo** |
| 10 | 35770 | 60604 | 39396 | 75166 | 90 |
| 20 | 36050 | 60901 | 39099 | 75150 | 80 |
| 30 | 36331 | 61198 | 38802 | 75133 | 70 |
| 40 | 36611 | 61495 | 38505 | 75117 | 60 |
| 50 | 36891 | 61792 | 38208 | 75100 | 50 |
| 60 | 37172 | 62088 | 37912 | 75083 | 40 |
| 70 | 37452 | 62385 | 37615 | 75067 | 30 |
| 80 | 37732 | 62682 | 37318 | 75050 | 20 |
| 90 | 38013 | 62979 | 37021 | 75034 | 10 |
| **20 oo** | 38293 | 63276 | 36724 | 75017 | **80 oo** |
| | **9.37** | **9.38** | **0.61** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $84^g$ |
| | 280 | 296 | 296 | 17 | |

| | 299 | 298 | 297 | 296 | 283 | 282 | 281 | 280 | 17 | 16 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 29,9 | 29,8 | 29,7 | 29,6 | 28,3 | 28,2 | 28,1 | 28,0 | 1,7 | 1,6 | 1 |
| 2 | 59,8 | 59,6 | 59,4 | 59,2 | 56,6 | 56,4 | 56,2 | 56,0 | 3,4 | 3,2 | 2 |
| 3 | 89,7 | 89,4 | 89,1 | 88,8 | 84,9 | 84,6 | 84,3 | 84,0 | 5,1 | 4,8 | 3 |
| 4 | 119,6 | 119,2 | 118,8 | 118,4 | 113,2 | 112,8 | 112,4 | 112,0 | 6,8 | 6,4 | 4 |
| 5 | 149,5 | 149,0 | 148,5 | 148,0 | 141,5 | 141,0 | 140,5 | 140,0 | 8,5 | 8,0 | 5 |
| 6 | 179,4 | 178,8 | 178,2 | 177,6 | 169,8 | 169,2 | 168,6 | 168,0 | 10,2 | 9,6 | 6 |
| 7 | 209,3 | 208,6 | 207,9 | 207,2 | 198,1 | 197,4 | 196,7 | 196,0 | 11,9 | 11,2 | 7 |
| 8 | 239,2 | 238,4 | 237,6 | 236,8 | 226,4 | 225,6 | 224,8 | 224,0 | 13,6 | 12,8 | 8 |
| 9 | 269,1 | 268,2 | 267,3 | 266,4 | 254,7 | 253,8 | 252,9 | 252,0 | 15,3 | 14,4 | 9 |

| 15g | 281 | 297 | 297 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.37** | **9.38** | **0.61** | **9.98** | |
| **20 oo** | 38293 | 63276 | 36724 | 75017 | **80 oo** |
| 10 | 38573 | 63573 | 36427 | 75000 | 90 |
| 20 | 38854 | 63870 | 36130 | 74984 | 80 |
| 30 | 39134 | 64167 | 35833 | 74967 | 70 |
| 40 | 39414 | 64463 | 35537 | 74950 | 60 |
| 50 | 39694 | 64760 | 35240 | 74934 | 50 |
| 60 | 39974 | 65057 | 34943 | 74917 | 40 |
| 70 | 40254 | 65354 | 34646 | 74901 | 30 |
| 80 | 40535 | 65651 | 34349 | 74884 | 20 |
| 90 | 40815 | 65947 | 34053 | 74867 | 10 |
| **21 oo** | 41095 | 66244 | 33756 | 74851 | **79 oo** |
| 10 | 41375 | 66541 | 33459 | 74834 | 90 |
| 20 | 41655 | 66837 | 33163 | 74818 | 80 |
| 30 | 41935 | 67134 | 32866 | 74801 | 70 |
| 40 | 42215 | 67431 | 32569 | 74784 | 60 |
| 50 | 42495 | 67727 | 32273 | 74768 | 50 |
| 60 | 42775 | 68024 | 31976 | 74751 | 40 |
| 70 | 43055 | 68320 | 31680 | 74734 | 30 |
| 80 | 43335 | 68617 | 31383 | 74718 | 20 |
| 90 | 43615 | 68913 | 31087 | 74701 | 10 |
| **22 oo** | 43895 | 69210 | 30790 | 74685 | **78 oo** |
| 10 | 44174 | 69507 | 30493 | 74668 | 90 |
| 20 | 44454 | 69803 | 30197 | 74651 | 80 |
| 30 | 44734 | 70099 | 29901 | 74635 | 70 |
| 40 | 45014 | 70396 | 29604 | 74618 | 60 |
| 50 | 45294 | 70692 | 29308 | 74601 | 50 |
| 60 | 45574 | 70989 | 29011 | 74585 | 40 |
| 70 | 45853 | 71285 | 28715 | 74568 | 30 |
| 80 | 46133 | 71582 | 28418 | 74552 | 20 |
| 90 | 46413 | 71878 | 28122 | 74535 | 10 |
| **23 oo** | 46693 | 72174 | 27826 | 74518 | **77 oo** |
| 10 | 46972 | 72471 | 27529 | 74502 | 90 |
| 20 | 47252 | 72767 | 27233 | 74485 | 80 |
| 30 | 47532 | 73063 | 26937 | 74468 | 70 |
| 40 | 47811 | 73359 | 26641 | 74452 | 60 |
| 50 | 48091 | 73656 | 26344 | 74435 | 50 |
| 60 | 48370 | 73952 | 26048 | 74418 | 40 |
| 70 | 48650 | 74248 | 25752 | 74402 | 30 |
| 80 | 48929 | 74544 | 25456 | 74385 | 20 |
| 90 | 49209 | 74841 | 25159 | 74368 | 10 |
| **24 oo** | 49489 | 75137 | 24863 | 74352 | **76 oo** |
| 10 | 49768 | 75433 | 24567 | 74335 | 90 |
| 20 | 50048 | 75729 | 24271 | 74319 | 80 |
| 30 | 50327 | 76025 | 23975 | 74302 | 70 |
| 40 | 50606 | 76321 | 23679 | 74285 | 60 |
| 50 | 50886 | 76617 | 23383 | 74269 | 50 |
| 60 | 51165 | 76913 | 23087 | 74252 | 40 |
| 70 | 51445 | 77209 | 22791 | 74235 | 30 |
| 80 | 51724 | 77505 | 22495 | 74219 | 20 |
| 90 | 52003 | 77801 | 22199 | 74202 | 10 |
| **25 oo** | 52283 | 78097 | 21903 | 74185 | **75 oo** |
| | **9.37** | **9.38** | **0.61** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 84g |
| | 279 | 296 | 296 | 17 | |

| 15g | 280 | 296 | 296 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.37** | **9.38** | **0.61** | **9.98** | |
| **25 oo** | 52283 | 78097 | 21903 | 74185 | **75 oo** |
| 10 | 52562 | 78393 | 21607 | 74169 | 90 |
| 20 | 52841 | 78689 | 21311 | 74152 | 80 |
| 30 | 53120 | 78985 | 21015 | 74135 | 70 |
| 40 | 53400 | 79281 | 20719 | 74119 | 60 |
| 50 | 53679 | 79577 | 20423 | 74102 | 50 |
| 60 | 53958 | 79873 | 20127 | 74085 | 40 |
| 70 | 54237 | 80169 | 19831 | 74069 | 30 |
| 80 | 54517 | 80465 | 19535 | 74052 | 20 |
| 90 | 54796 | 80760 | 19240 | 74035 | 10 |
| **26 oo** | 55075 | 81056 | 18944 | 74019 | **74 oo** |
| 10 | 55354 | 81352 | 18648 | 74002 | 90 |
| 20 | 55633 | 81648 | 18352 | 73985 | 80 |
| 30 | 55912 | 81944 | 18056 | 73969 | 70 |
| 40 | 56191 | 82239 | 17761 | 73952 | 60 |
| 50 | 56470 | 82535 | 17465 | 73935 | 50 |
| 60 | 56749 | 82831 | 17169 | 73919 | 40 |
| 70 | 57028 | 83126 | 16874 | 73902 | 30 |
| 80 | 57307 | 83422 | 16578 | 73885 | 20 |
| 90 | 57586 | 83718 | 16282 | 73868 | 10 |
| **27 oo** | 57865 | 84013 | 15987 | 73852 | **73 oo** |
| 10 | 58144 | 84309 | 15691 | 73835 | 90 |
| 20 | 58423 | 84605 | 15395 | 73818 | 80 |
| 30 | 58702 | 84900 | 15100 | 73802 | 70 |
| 40 | 58981 | 85196 | 14804 | 73785 | 60 |
| 50 | 59260 | 85491 | 14509 | 73768 | 50 |
| 60 | 59538 | 85787 | 14213 | 73752 | 40 |
| 70 | 59817 | 86082 | 13918 | 73735 | 30 |
| 80 | 60096 | 86378 | 13622 | 73718 | 20 |
| 90 | 60375 | 86673 | 13327 | 73702 | 10 |
| **28 oo** | 60654 | 86969 | 13031 | 73685 | **72 oo** |
| 10 | 60932 | 87264 | 12736 | 73668 | 90 |
| 20 | 61211 | 87559 | 12441 | 73651 | 80 |
| 30 | 61490 | 87855 | 12145 | 73635 | 70 |
| 40 | 61768 | 88150 | 11850 | 73618 | 60 |
| 50 | 62047 | 88446 | 11554 | 73601 | 50 |
| 60 | 62326 | 88741 | 11259 | 73585 | 40 |
| 70 | 62604 | 89036 | 10964 | 73568 | 30 |
| 80 | 62883 | 89332 | 10668 | 73551 | 20 |
| 90 | 63161 | 89627 | 10373 | 73535 | 10 |
| **29 oo** | 63440 | 89922 | 10078 | 73518 | **71 oo** |
| 10 | 63719 | 90217 | 09783 | 73501 | 90 |
| 20 | 63997 | 90513 | 09487 | 73484 | 80 |
| 30 | 64276 | 90808 | 09192 | 73468 | 70 |
| 40 | 64554 | 91103 | 08897 | 73451 | 60 |
| 50 | 64833 | 91398 | 08602 | 73434 | 50 |
| 60 | 65111 | 91693 | 08307 | 73418 | 40 |
| 70 | 65389 | 91989 | 08011 | 73401 | 30 |
| 80 | 65668 | 92284 | 07716 | 73384 | 20 |
| 90 | 65946 | 92579 | 07421 | 73367 | 10 |
| **30 oo** | 66225 | 92874 | 07126 | 73351 | **70 oo** |
| | **9.37** | **9.38** | **0.61** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 84g |
| | 278 | 295 | 295 | 17 | |

| | 297 | 296 | 295 | 281 | 280 | 279 | 278 | 17 | 16 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 29,7 | 29,6 | 29,5 | 28,1 | 28,0 | 27,9 | 27,8 | 1,7 | 1,6 | 1 |
| 2 | 59,4 | 59,2 | 59,0 | 56,2 | 56,0 | 55,8 | 55,6 | 3,4 | 3,2 | 2 |
| 3 | 89,1 | 88,8 | 88,5 | 84,3 | 84,0 | 83,7 | 83,4 | 5,1 | 4,8 | 3 |
| 4 | 118,8 | 118,4 | 118,0 | 112,4 | 112,0 | 111,6 | 111,2 | 6,8 | 6,4 | 4 |
| 5 | 148,5 | 148,0 | 147,5 | 140,5 | 140,0 | 139,5 | 139,0 | 8,5 | 8,0 | 5 |
| 6 | 178,2 | 177,6 | 177,0 | 168,6 | 168,0 | 167,4 | 166,8 | 10,2 | 9,6 | 6 |
| 7 | 207,9 | 207,2 | 206,5 | 196,7 | 196,0 | 195,3 | 194,6 | 11,9 | 11,2 | 7 |
| 8 | 237,6 | 236,8 | 236,0 | 224,8 | 224,0 | 223,2 | 222,4 | 13,6 | 12,8 | 8 |
| 9 | 267,3 | 266,4 | 265,5 | 252,9 | 252,0 | 251,1 | 250,2 | 15,3 | 14,4 | 9 |

| 15g | 279 | 295 | 295 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.37** | ***9.38** | ***0.61** | **9.98** | |
| **30 oo** | 66225 | *92874 | *07126 | 73351 | **70 oo** |
| 10 | 66503 | *93169 | *06831 | 73334 | 90 |
| 20 | 66781 | *93464 | *06536 | 73317 | 80 |
| 30 | 67060 | *93759 | *06241 | 73301 | 70 |
| 40 | 67338 | *94054 | *05946 | 73284 | 60 |
| 50 | 67616 | *94349 | *05651 | 73267 | 50 |
| 60 | 67895 | *94644 | *05356 | 73250 | 40 |
| 70 | 68173 | *94939 | *05061 | 73234 | 30 |
| 80 | 68451 | *95234 | *04766 | 73217 | 20 |
| 90 | 68729 | *95529 | *04471 | 73200 | 10 |
| **31 oo** | 69007 | *95824 | *04176 | 73184 | **69 oo** |
| 10 | 69286 | *96119 | *03881 | 73167 | 90 |
| 20 | 69564 | *96414 | *03586 | 73150 | 80 |
| 30 | 69842 | *96708 | *03292 | 73133 | 70 |
| 40 | 70120 | *97003 | *02997 | 73117 | 60 |
| 50 | 70398 | *97298 | *02702 | 73100 | 50 |
| 60 | 70676 | *97593 | *02407 | 73083 | 40 |
| 70 | 70954 | *97888 | *02112 | 73066 | 30 |
| 80 | 71232 | *98183 | *01817 | 73050 | 20 |
| 90 | 71510 | *98477 | *01523 | 73033 | 10 |
| **32 oo** | 71788 | *98772 | *01228 | 73016 | **68 oo** |
| 10 | 72066 | *99067 | *00933 | 72999 | 90 |
| 20 | 72344 | *99361 | *00639 | 72983 | 80 |
| 30 | 72622 | *99656 | *00344 | 72966 | 70 |
| 40 | 72900 | *99951 | *00049 | 72949 | 60 |
| 50 | 73178 | 00245 | 99755 | 72932 | 50 |
| 60 | 73456 | 00540 | 99460 | 72916 | 40 |
| 70 | 73734 | 00835 | 99165 | 72899 | 30 |
| 80 | 74012 | 01129 | 98871 | 72882 | 20 |
| 90 | 74289 | 01424 | 98576 | 72865 | 10 |
| **33 oo** | 74567 | 01718 | 98282 | 72849 | **67 oo** |
| 10 | 74845 | 02013 | 97987 | 72832 | 90 |
| 20 | 75123 | 02308 | 97692 | 72815 | 80 |
| 30 | 75400 | 02602 | 97398 | 72798 | 70 |
| 40 | 75678 | 02897 | 97103 | 72782 | 60 |
| 50 | 75956 | 03191 | 96809 | 72765 | 50 |
| 60 | 76234 | 03485 | 96515 | 72748 | 40 |
| 70 | 76511 | 03780 | 96220 | 72731 | 30 |
| 80 | 76789 | 04074 | 95926 | 72715 | 20 |
| 90 | 77067 | 04369 | 95631 | 72698 | 10 |
| **34 oo** | 77344 | 04663 | 95337 | 72681 | **66 oo** |
| 10 | 77622 | 04957 | 95043 | 72664 | 90 |
| 20 | 77899 | 05252 | 94748 | 72648 | 80 |
| 30 | 78177 | 05546 | 94454 | 72631 | 70 |
| 40 | 78454 | 05840 | 94160 | 72614 | 60 |
| 50 | 78732 | 06135 | 93865 | 72597 | 50 |
| 60 | 79010 | 06429 | 93571 | 72581 | 40 |
| 70 | 79287 | 06723 | 93277 | 72564 | 30 |
| 80 | 79564 | 07018 | 92982 | 72547 | 20 |
| 90 | 79842 | 07312 | 92688 | 72530 | 10 |
| **35 oo** | 80119 | 07606 | 92394 | 72513 | **65 oo** |
| | **9.37** | **9.39** | **0.60** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $84^g$ |
| | 277 | 294 | 294 | 17 | |

| 15g | 278 | 295 | 295 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.37** | **9.39** | **0.60** | **9.98** | |
| **35 oo** | 80119 | 07606 | 92394 | 72513 | **65 oo** |
| 10 | 80397 | 07900 | 92100 | 72497 | 90 |
| 20 | 80674 | 08194 | 91806 | 72480 | 80 |
| 30 | 80952 | 08488 | 91512 | 72463 | 70 |
| 40 | 81229 | 08783 | 91217 | 72446 | 60 |
| 50 | 81506 | 09077 | 90923 | 72430 | 50 |
| 60 | 81784 | 09371 | 90629 | 72413 | 40 |
| 70 | 82061 | 09665 | 90335 | 72396 | 30 |
| 80 | 82338 | 09959 | 90041 | 72379 | 20 |
| 90 | 82615 | 10253 | 89747 | 72362 | 10 |
| **36 oo** | 82893 | 10547 | 89453 | 72346 | **64 oo** |
| 10 | 83170 | 10841 | 89159 | 72329 | 90 |
| 20 | 83447 | 11135 | 88865 | 72312 | 80 |
| 30 | 83724 | 11429 | 88571 | 72295 | 70 |
| 40 | 84001 | 11723 | 88277 | 72278 | 60 |
| 50 | 84279 | 12017 | 87983 | 72262 | 50 |
| 60 | 84556 | 12311 | 87689 | 72245 | 40 |
| 70 | 84833 | 12605 | 87395 | 72228 | 30 |
| 80 | 85110 | 12899 | 87101 | 72211 | 20 |
| 90 | 85387 | 13193 | 86807 | 72194 | 10 |
| **37 oo** | 85664 | 13486 | 86514 | 72178 | **63 oo** |
| 10 | 85941 | 13780 | 86220 | 72161 | 90 |
| 20 | 86218 | 14074 | 85926 | 72144 | 80 |
| 30 | 86495 | 14368 | 85632 | 72127 | 70 |
| 40 | 86772 | 14662 | 85338 | 72110 | 60 |
| 50 | 87049 | 14955 | 85045 | 72094 | 50 |
| 60 | 87326 | 15249 | 84751 | 72077 | 40 |
| 70 | 87603 | 15543 | 84457 | 72060 | 30 |
| 80 | 87880 | 15837 | 84163 | 72043 | 20 |
| 90 | 88157 | 16130 | 83870 | 72026 | 10 |
| **38 oo** | 88434 | 16424 | 83576 | 72010 | **62 oo** |
| 10 | 88710 | 16718 | 83282 | 71993 | 90 |
| 20 | 88987 | 17011 | 82989 | 71976 | 80 |
| 30 | 89264 | 17305 | 82695 | 71959 | 70 |
| 40 | 89541 | 17599 | 82401 | 71942 | 60 |
| 50 | 89818 | 17892 | 82108 | 71926 | 50 |
| 60 | 90094 | 18186 | 81814 | 71909 | 40 |
| 70 | 90371 | 18479 | 81521 | 71892 | 30 |
| 80 | 90648 | 18773 | 81227 | 71875 | 20 |
| 90 | 90925 | 19066 | 80934 | 71858 | 10 |
| **39 oo** | 91201 | 19360 | 80640 | 71842 | **61 oo** |
| 10 | 91478 | 19653 | 80347 | 71825 | 90 |
| 20 | 91755 | 19947 | 80053 | 71808 | 80 |
| 30 | 92031 | 20240 | 79760 | 71791 | 70 |
| 40 | 92308 | 20534 | 79466 | 71774 | 60 |
| 50 | 92584 | 20827 | 79173 | 71757 | 50 |
| 60 | 92861 | 21120 | 78880 | 71741 | 40 |
| 70 | 93138 | 21414 | 78586 | 71724 | 30 |
| 80 | 93414 | 21707 | 78293 | 71707 | 20 |
| 90 | 93691 | 22001 | 77999 | 71690 | 10 |
| **40 oo** | 93967 | 22294 | 77706 | 71673 | **60 oo** |
| | **9.37** | **9.39** | **0.60** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $84^g$ |
| | 276 | 293 | 293 | 17 | |

| | 295 | 294 | 293 | 279 | 278 | 277 | 276 | 17 | 16 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 29,5 | 29,4 | 29,3 | 27,9 | 27,8 | 27,7 | 27,6 | 1,7 | 1,6 | 1 |
| 2 | 59,0 | 58,8 | 58,6 | 55,8 | 55,6 | 55,4 | 55,2 | 3,4 | 3,2 | 2 |
| 3 | 88,5 | 88,2 | 87,9 | 83,7 | 83,4 | 83,1 | 82,8 | 5,1 | 4,8 | 3 |
| 4 | 118,0 | 117,6 | 117,2 | 111,6 | 111,2 | 110,8 | 110,4 | 6,8 | 6,4 | 4 |
| 5 | 147,5 | 147,0 | 146,5 | 139,5 | 139,0 | 138,5 | 138,0 | 8,5 | 8,0 | 5 |
| 6 | 177,0 | 176,4 | 175,8 | 167,4 | 166,8 | 166,2 | 165,6 | 10,2 | 9,6 | 6 |
| 7 | 206,5 | 205,8 | 205,1 | 195,3 | 194,6 | 193,9 | 193,2 | 11,9 | 11,2 | 7 |
| 8 | 236,0 | 235,2 | 234,4 | 223,2 | 222,4 | 221,6 | 220,8 | 13,6 | 12,8 | 8 |
| 9 | 265,5 | 264,6 | 263,7 | 251,1 | 250,2 | 249,3 | 248,4 | 15,3 | 14,4 | 9 |

| 15g | 277 | 294 | 294 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.37 | 9.39 | 0.60 | 9.98 | |
| **40 oo** | *93967 | 22294 | 77706 | 71673 | **60 oo** |
| 10 | *94244 | 22587 | 77413 | 71656 | 90 |
| 20 | *94520 | 22880 | 77120 | 71640 | 80 |
| 30 | *94796 | 23174 | 76826 | 71623 | 70 |
| 40 | *95073 | 23467 | 76533 | 71606 | 60 |
| 50 | *95349 | 23760 | 76240 | 71589 | 50 |
| 60 | *95626 | 24053 | 75947 | 71572 | 40 |
| 70 | *95902 | 24347 | 75653 | 71555 | 30 |
| 80 | *96178 | 24640 | 75360 | 71539 | 20 |
| 90 | *96455 | 24933 | 75067 | 71522 | 10 |
| **41 oo** | *96731 | 25226 | 74774 | 71505 | **59 oo** |
| 10 | *97007 | 25519 | 74481 | 71488 | 90 |
| 20 | *97284 | 25812 | 74188 | 71471 | 80 |
| 30 | *97560 | 26106 | 73894 | 71454 | 70 |
| 40 | *97836 | 26399 | 73601 | 71437 | 60 |
| 50 | *98112 | 26692 | 73308 | 71421 | 50 |
| 60 | *98389 | 26985 | 73015 | 71404 | 40 |
| 70 | *98665 | 27278 | 72722 | 71387 | 30 |
| 80 | *98941 | 27571 | 72429 | 71370 | 20 |
| 90 | *99217 | 27864 | 72136 | 71353 | 10 |
| **42 oo** | *99493 | 28157 | 71843 | 71336 | **58 oo** |
| 10 | *99769 | 28450 | 71550 | 71320 | 90 |
| 20 | 00045 | 28743 | 71257 | 71303 | 80 |
| 30 | 00321 | 29036 | 70964 | 71286 | 70 |
| 40 | 00597 | 29328 | 70672 | 71269 | 60 |
| 50 | 00873 | 29621 | 70379 | 71252 | 50 |
| 60 | 01149 | 29914 | 70086 | 71235 | 40 |
| 70 | 01425 | 30207 | 69793 | 71218 | 30 |
| 80 | 01701 | 30500 | 69500 | 71202 | 20 |
| 90 | 01977 | 30793 | 69207 | 71185 | 10 |
| **43 oo** | 02253 | 31086 | 68914 | 71168 | **57 oo** |
| 10 | 02529 | 31378 | 68622 | 71151 | 90 |
| 20 | 02805 | 31671 | 68329 | 71134 | 80 |
| 30 | 03081 | 31964 | 68036 | 71117 | 70 |
| 40 | 03357 | 32257 | 67743 | 71100 | 60 |
| 50 | 03633 | 32549 | 67451 | 71083 | 50 |
| 60 | 03909 | 32842 | 67158 | 71067 | 40 |
| 70 | 04184 | 33135 | 66865 | 71050 | 30 |
| 80 | 04460 | 33427 | 66573 | 71033 | 20 |
| 90 | 04736 | 33720 | 66280 | 71016 | 10 |
| **44 oo** | 05012 | 34013 | 65987 | 70999 | **56 oo** |
| 10 | 05287 | 34305 | 65695 | 70982 | 90 |
| 20 | 05563 | 34598 | 65402 | 70965 | 80 |
| 30 | 05839 | 34890 | 65110 | 70948 | 70 |
| 40 | 06115 | 35183 | 64817 | 70932 | 60 |
| 50 | 06390 | 35476 | 64524 | 70915 | 50 |
| 60 | 06666 | 35768 | 64232 | 70898 | 40 |
| 70 | 06941 | 36061 | 63939 | 70881 | 30 |
| 80 | 07217 | 36353 | 63647 | 70864 | 20 |
| 90 | 07493 | 36645 | 63355 | 70847 | 10 |
| **45 oo** | 07768 | 36938 | 63062 | 70830 | **55 oo** |
| | **9.38** | **9.39** | **0.60** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 84g |
| | 275 | 292 | 292 | 17 | |

| 15g | 276 | 293 | 293 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 9.38 | 9.39 | 0.60 | 9.98 | |
| **45 oo** | 07768 | 36938 | 63062 | 70830 | **55 oo** |
| 10 | 08044 | 37230 | 62770 | 70813 | 90 |
| 20 | 08319 | 37523 | 62477 | 70796 | 80 |
| 30 | 08595 | 37815 | 62185 | 70780 | 70 |
| 40 | 08870 | 38108 | 61892 | 70763 | 60 |
| 50 | 09146 | 38400 | 61600 | 70746 | 50 |
| 60 | 09421 | 38692 | 61308 | 70729 | 40 |
| 70 | 09697 | 38985 | 61015 | 70712 | 30 |
| 80 | 09972 | 39277 | 60723 | 70695 | 20 |
| 90 | 10247 | 39569 | 60431 | 70678 | 10 |
| **46 oo** | 10523 | 39862 | 60138 | 70661 | **54 oo** |
| 10 | 10798 | 40154 | 59846 | 70644 | 90 |
| 20 | 11074 | 40446 | 59554 | 70627 | 80 |
| 30 | 11349 | 40738 | 59262 | 70611 | 70 |
| 40 | 11624 | 41030 | 58970 | 70594 | 60 |
| 50 | 11899 | 41323 | 58677 | 70577 | 50 |
| 60 | 12175 | 41615 | 58385 | 70560 | 40 |
| 70 | 12450 | 41907 | 58093 | 70543 | 30 |
| 80 | 12725 | 42199 | 57801 | 70526 | 20 |
| 90 | 13000 | 42491 | 57509 | 70509 | 10 |
| **47 oo** | 13276 | 42783 | 57217 | 70492 | **53 oo** |
| 10 | 13551 | 43075 | 56925 | 70475 | 90 |
| 20 | 13826 | 43368 | 56632 | 70458 | 80 |
| 30 | 14101 | 43660 | 56340 | 70441 | 70 |
| 40 | 14376 | 43952 | 56048 | 70425 | 60 |
| 50 | 14651 | 44244 | 55756 | 70408 | 50 |
| 60 | 14926 | 44536 | 55464 | 70391 | 40 |
| 70 | 15201 | 44828 | 55172 | 70374 | 30 |
| 80 | 15476 | 45120 | 54880 | 70357 | 20 |
| 90 | 15752 | 45412 | 54588 | 70340 | 10 |
| **48 oo** | 16027 | 45703 | 54297 | 70323 | **52 oo** |
| 10 | 16302 | 45995 | 54005 | 70306 | 90 |
| 20 | 16576 | 46287 | 53713 | 70289 | 80 |
| 30 | 16851 | 46579 | 53421 | 70272 | 70 |
| 40 | 17126 | 46871 | 53129 | 70255 | 60 |
| 50 | 17401 | 47163 | 52837 | 70238 | 50 |
| 60 | 17676 | 47455 | 52545 | 70221 | 40 |
| 70 | 17951 | 47747 | 52253 | 70205 | 30 |
| 80 | 18226 | 48038 | 51962 | 70188 | 20 |
| 90 | 18501 | 48330 | 51670 | 70171 | 10 |
| **49 oo** | 18776 | 48622 | 51378 | 70154 | **51 oo** |
| 10 | 19050 | 48914 | 51086 | 70137 | 90 |
| 20 | 19325 | 49205 | 50795 | 70120 | 80 |
| 30 | 19600 | 49497 | 50503 | 70103 | 70 |
| 40 | 19875 | 49789 | 50211 | 70086 | 60 |
| 50 | 20149 | 50080 | 49920 | 70069 | 50 |
| 60 | 20424 | 50372 | 49628 | 70052 | 40 |
| 70 | 20699 | 50664 | 49336 | 70035 | 30 |
| 80 | 20974 | 50955 | 49045 | 70018 | 20 |
| 90 | 21248 | 51247 | 48753 | 70001 | 10 |
| **50 oo** | 21523 | 51538 | 48462 | 69984 | **50 oo** |
| | **9.38** | **9.39** | **0.60** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 84g |
| | 274 | 291 | 291 | 17 | |

| | 294 | 293 | 292 | 291 | 277 | 276 | 275 | 274 | 17 | 16 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 29,4 | 29,3 | 29,2 | 29,1 | 27,7 | 27,6 | 27,5 | 27,4 | 1,7 | 1,6 | 1 |
| 2 | 58,8 | 58,6 | 58,4 | 58,2 | 55,4 | 55,2 | 55,0 | 54,8 | 3,4 | 3,2 | 2 |
| 3 | 88,2 | 87,9 | 87,6 | 87,3 | 83,1 | 82,8 | 82,5 | 82,2 | 5,1 | 4,8 | 3 |
| 4 | 117,6 | 117,2 | 116,8 | 116,4 | 110,8 | 110,4 | 110,0 | 109,6 | 6,8 | 6,4 | 4 |
| 5 | 147,0 | 146,5 | 146,0 | 145,5 | 138,5 | 138,0 | 137,5 | 137,0 | 8,5 | 8,0 | 5 |
| 6 | 176,4 | 175,8 | 175,2 | 174,6 | 166,2 | 165,6 | 165,0 | 164,4 | 10,2 | 9,6 | 6 |
| 7 | 205,8 | 205,1 | 204,4 | 203,7 | 193,9 | 193,2 | 192,5 | 191,8 | 11,9 | 11,2 | 7 |
| 8 | 235,2 | 234,4 | 233,6 | 232,8 | 221,6 | 220,8 | 220,0 | 219,2 | 13,6 | 12,8 | 8 |
| 9 | 264,6 | 263,7 | 262,8 | 261,9 | 249,3 | 248,4 | 247,5 | 246,6 | 15,3 | 14,4 | 9 |

| 15g | 275 | 292 | 292 | 16 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.38** | **9.39** | **0.60** | **9.98** | |
| **50 oo** | 21523 | 51538 | 48462 | 69984 | **50 oo** |
| 10 | 21797 | 51830 | 48170 | 69967 | 90 |
| 20 | 22072 | 52122 | 47878 | 69950 | 80 |
| 30 | 22347 | 52413 | 47587 | 69934 | 70 |
| 40 | 22621 | 52705 | 47295 | 69917 | 60 |
| 50 | 22896 | 52996 | 47004 | 69900 | 50 |
| 60 | 23170 | 53288 | 46712 | 69883 | 40 |
| 70 | 23445 | 53579 | 46421 | 69866 | 30 |
| 80 | 23719 | 53871 | 46129 | 69849 | 20 |
| 90 | 23994 | 54162 | 45838 | 69832 | 10 |
| **51 oo** | 24268 | 54453 | 45547 | 69815 | **49 oo** |
| 10 | 24543 | 54745 | 45255 | 69798 | 90 |
| 20 | 24817 | 55036 | 44964 | 69781 | 80 |
| 30 | 25092 | 55328 | 44672 | 69764 | 70 |
| 40 | 25366 | 55619 | 44381 | 69747 | 60 |
| 50 | 25640 | 55910 | 44090 | 69730 | 50 |
| 60 | 25915 | 56202 | 43798 | 69713 | 40 |
| 70 | 26189 | 56493 | 43507 | 69696 | 30 |
| 80 | 26463 | 56784 | 43216 | 69679 | 20 |
| 90 | 26738 | 57075 | 42925 | 69662 | 10 |
| **52 oo** | 27012 | 57367 | 42633 | 69645 | **48 oo** |
| 10 | 27286 | 57658 | 42342 | 69628 | 90 |
| 20 | 27560 | 57949 | 42051 | 69611 | 80 |
| 30 | 27835 | 58240 | 41760 | 69594 | 70 |
| 40 | 28109 | 58531 | 41469 | 69577 | 60 |
| 50 | 28383 | 58823 | 41177 | 69560 | 50 |
| 60 | 28657 | 59114 | 40886 | 69543 | 40 |
| 70 | 28931 | 59405 | 40595 | 69526 | 30 |
| 80 | 29205 | 59696 | 40304 | 69509 | 20 |
| 90 | 29479 | 59987 | 40013 | 69492 | 10 |
| **53 oo** | 29754 | 60278 | 39722 | 69475 | **47 oo** |
| 10 | 30028 | 60569 | 39431 | 69459 | 90 |
| 20 | 30302 | 60860 | 39140 | 69442 | 80 |
| 30 | 30576 | 61151 | 38849 | 69425 | 70 |
| 40 | 30850 | 61442 | 38558 | 69408 | 60 |
| 50 | 31124 | 61733 | 38267 | 69391 | 50 |
| 60 | 31398 | 62024 | 37976 | 69374 | 40 |
| 70 | 31672 | 62315 | 37685 | 69357 | 30 |
| 80 | 31946 | 62606 | 37394 | 69340 | 20 |
| 90 | 32219 | 62897 | 37103 | 69323 | 10 |
| **54 oo** | 32493 | 63188 | 36812 | 69306 | **46 oo** |
| 10 | 32767 | 63479 | 36521 | 69289 | 90 |
| 20 | 33041 | 63769 | 36231 | 69272 | 80 |
| 30 | 33315 | 64060 | 35940 | 69255 | 70 |
| 40 | 33589 | 64351 | 35649 | 69238 | 60 |
| 50 | 33863 | 64642 | 35358 | 69221 | 50 |
| 60 | 34136 | 64933 | 35067 | 69204 | 40 |
| 70 | 34410 | 65224 | 34776 | 69187 | 30 |
| 80 | 34684 | 65514 | 34486 | 69170 | 20 |
| 90 | 34958 | 65805 | 34195 | 69153 | 10 |
| **55 oo** | 35231 | 66096 | 33904 | 69136 | **45 oo** |
| | **9.38** | **9.39** | **0.60** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $84^g$ |
| | 273 | 290 | 290 | 17 | |

| 15g | 274 | 291 | 291 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.38** | **9.39** | **0.60** | **9.98** | |
| **55 oo** | 35231 | 66096 | 33904 | 69136 | **45 oo** |
| 10 | 35505 | 66386 | 33614 | 69119 | 90 |
| 20 | 35779 | 66677 | 33323 | 69102 | 80 |
| 30 | 36052 | 66968 | 33032 | 69085 | 70 |
| 40 | 36326 | 67258 | 32742 | 69068 | 60 |
| 50 | 36600 | 67549 | 32451 | 69051 | 50 |
| 60 | 36873 | 67840 | 32160 | 69034 | 40 |
| 70 | 37147 | 68130 | 31870 | 69017 | 30 |
| 80 | 37421 | 68421 | 31579 | 69000 | 20 |
| 90 | 37694 | 68712 | 31288 | 68983 | 10 |
| **56 oo** | 37968 | 69002 | 30998 | 68966 | **44 oo** |
| 10 | 38241 | 69293 | 30707 | 68949 | 90 |
| 20 | 38515 | 69583 | 30417 | 68932 | 80 |
| 30 | 38788 | 69874 | 30126 | 68915 | 70 |
| 40 | 39062 | 70164 | 29836 | 68898 | 60 |
| 50 | 39335 | 70455 | 29545 | 68880 | 50 |
| 60 | 39608 | 70745 | 29255 | 68863 | 40 |
| 70 | 39882 | 71035 | 28965 | 68846 | 30 |
| 80 | 40155 | 71326 | 28674 | 68829 | 20 |
| 90 | 40429 | 71616 | 28384 | 68812 | 10 |
| **57 oo** | 40702 | 71907 | 28093 | 68795 | **43 oo** |
| 10 | 40975 | 72197 | 27803 | 68778 | 90 |
| 20 | 41249 | 72487 | 27513 | 68761 | 80 |
| 30 | 41522 | 72778 | 27222 | 68744 | 70 |
| 40 | 41795 | 73068 | 26932 | 68727 | 60 |
| 50 | 42069 | 73358 | 26642 | 68710 | 50 |
| 60 | 42342 | 73649 | 26351 | 68693 | 40 |
| 70 | 42615 | 73939 | 26061 | 68676 | 30 |
| 80 | 42888 | 74229 | 25771 | 68659 | 20 |
| 90 | 43161 | 74519 | 25481 | 68642 | 10 |
| **58 oo** | 43435 | 74809 | 25191 | 68625 | **42 oo** |
| 10 | 43708 | 75100 | 24900 | 68608 | 90 |
| 20 | 43981 | 75390 | 24610 | 68591 | 80 |
| 30 | 44254 | 75680 | 24320 | 68574 | 70 |
| 40 | 44527 | 75970 | 24030 | 68557 | 60 |
| 50 | 44800 | 76260 | 23740 | 68540 | 50 |
| 60 | 45073 | 76550 | 23450 | 68523 | 40 |
| 70 | 45346 | 76840 | 23160 | 68506 | 30 |
| 80 | 45619 | 77131 | 22869 | 68489 | 20 |
| 90 | 45892 | 77421 | 22579 | 68472 | 10 |
| **59 oo** | 46165 | 77711 | 22289 | 68455 | **41 oo** |
| 10 | 46438 | 78001 | 21999 | 68438 | 90 |
| 20 | 46711 | 78291 | 21709 | 68421 | 80 |
| 30 | 46984 | 78581 | 21419 | 68403 | 70 |
| 40 | 47257 | 78871 | 21129 | 68386 | 60 |
| 50 | 47530 | 79161 | 20839 | 68369 | 50 |
| 60 | 47803 | 79451 | 20549 | 68352 | 40 |
| 70 | 48076 | 79740 | 20260 | 68335 | 30 |
| 80 | 48349 | 80030 | 19970 | 68318 | 20 |
| 90 | 48621 | 80320 | 19680 | 68301 | 10 |
| **60 oo** | 48894 | 80610 | 19390 | 68284 | **40 oo** |
| | **9.38** | **9.39** | **0.60** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $84^g$ |
| | 272 | 289 | 289 | 18 | |

| | 292 | 291 | 290 | 289 | 275 | 274 | 273 | 272 | 18 | 17 | 16 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 29,2 | 29,1 | 29,0 | 28,9 | 27,5 | 27,4 | 27,3 | 27,2 | 1,8 | 1,7 | 1,6 | 1 |
| 2 | 58,4 | 58,2 | 58,0 | 57,8 | 55,0 | 54,8 | 54,6 | 54,4 | 3,6 | 3,4 | 3,2 | 2 |
| 3 | 87,6 | 87,3 | 87,0 | 86,7 | 82,5 | 82,2 | 81,9 | 81,6 | 5,4 | 5,1 | 4,8 | 3 |
| 4 | 116,8 | 116,4 | 116,0 | 115,6 | 110,0 | 109,6 | 109,2 | 108,8 | 7,2 | 6,8 | 6,4 | 4 |
| 5 | 146,0 | 145,5 | 145,0 | 144,5 | 137,5 | 137,0 | 136,5 | 136,0 | 9,0 | 8,5 | 8,0 | 5 |
| 6 | 175,2 | 174,6 | 174,0 | 173,4 | 165,0 | 164,4 | 163,8 | 163,2 | 10,8 | 10,2 | 9,6 | 6 |
| 7 | 204,4 | 203,7 | 203,0 | 202,3 | 192,5 | 191,8 | 191,1 | 190,4 | 12,6 | 11,9 | 11,2 | 7 |
| 8 | 233,6 | 232,8 | 232,0 | 231,2 | 220,0 | 219,2 | 218,4 | 217,6 | 14,4 | 13,6 | 12,8 | 8 |
| 9 | 262,8 | 261,9 | 261,0 | 260,1 | 247,5 | 246,6 | 245,7 | 244,8 | 16,2 | 15,3 | 14,4 | 9 |

| $15^g$ | 273 | 290 | 290 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.38** | **9.39** | **0.60** | **9.98** | |
| **60 oo** | 48894 | 80610 | 19390 | 68284 | **40 oo** |
| 10 | 49167 | 80900 | 19100 | 68267 | 90 |
| 20 | 49440 | 81190 | 18810 | 68250 | 80 |
| 30 | 49713 | 81480 | 18520 | 68233 | 70 |
| 40 | 49985 | 81769 | 18231 | 68216 | 60 |
| 50 | 50258 | 82059 | 17941 | 68199 | 50 |
| 60 | 50531 | 82349 | 17651 | 68182 | 40 |
| 70 | 50803 | 82639 | 17361 | 68165 | 30 |
| 80 | 51076 | 82928 | 17072 | 68148 | 20 |
| 90 | 51349 | 83218 | 16782 | 68131 | 10 |
| **61 oo** | 51621 | 83508 | 16492 | 68113 | **39 oo** |
| 10 | 51894 | 83797 | 16203 | 68096 | 90 |
| 20 | 52166 | 84087 | 15913 | 68079 | 80 |
| 30 | 52439 | 84377 | 15623 | 68062 | 70 |
| 40 | 52712 | 84666 | 15334 | 68045 | 60 |
| 50 | 52984 | 84956 | 15044 | 68028 | 50 |
| 60 | 53257 | 85246 | 14754 | 68011 | 40 |
| 70 | 53529 | 85535 | 14465 | 67994 | 30 |
| 80 | 53802 | 85825 | 14175 | 67977 | 20 |
| 90 | 54074 | 86114 | 13886 | 67960 | 10 |
| **62 oo** | 54347 | 86404 | 13596 | 67943 | **38 oo** |
| 10 | 54619 | 86693 | 13307 | 67926 | 90 |
| 20 | 54891 | 86983 | 13017 | 67909 | 80 |
| 30 | 55164 | 87272 | 12728 | 67891 | 70 |
| 40 | 55436 | 87562 | 12438 | 67874 | 60 |
| 50 | 55708 | 87851 | 12149 | 67857 | 50 |
| 60 | 55981 | 88141 | 11859 | 67840 | 40 |
| 70 | 56253 | 88430 | 11570 | 67823 | 30 |
| 80 | 56525 | 88719 | 11281 | 67806 | 20 |
| 90 | 56798 | 89009 | 10991 | 67789 | 10 |
| **63 oo** | 57070 | 89298 | 10702 | 67772 | **37 oo** |
| 10 | 57342 | 89588 | 10412 | 67755 | 90 |
| 20 | 57614 | 89877 | 10123 | 67738 | 80 |
| 30 | 57887 | 90166 | 09834 | 67721 | 70 |
| 40 | 58159 | 90455 | 09545 | 67703 | 60 |
| 50 | 58431 | 90745 | 09255 | 67686 | 50 |
| 60 | 58703 | 91034 | 08966 | 67669 | 40 |
| 70 | 58975 | 91323 | 08677 | 67652 | 30 |
| 80 | 59247 | 91612 | 08388 | 67635 | 20 |
| 90 | 59520 | 91902 | 08098 | 67618 | 10 |
| **64 oo** | 59792 | 92191 | 07809 | 67601 | **36 oo** |
| 10 | 60064 | 92480 | 07520 | 67584 | 90 |
| 20 | 60336 | 92769 | 07231 | 67567 | 80 |
| 30 | 60608 | 93058 | 06942 | 67550 | 70 |
| 40 | 60880 | 93347 | 06653 | 67532 | 60 |
| 50 | 61152 | 93636 | 06364 | 67515 | 50 |
| 60 | 61424 | 93926 | 06074 | 67498 | 40 |
| 70 | 61696 | 94215 | 05785 | 67481 | 30 |
| 80 | 61968 | 94504 | 05496 | 67464 | 20 |
| 90 | 62240 | 94793 | 05207 | 67447 | 10 |
| **65 oo** | 62511 | 95082 | 04918 | 67430 | **35 oo** |
| | **9.38** | **9.39** | **0.60** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $84^g$ |
| | 271 | 289 | 289 | 18 | |

| $15^g$ | 272 | 289 | 289 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.38** | ***9.39** | ***0.60** | **9.98** | |
| **65 oo** | 62511 | *95082 | *04918 | 67430 | **35 oo** |
| 10 | 62783 | *95371 | *04629 | 67413 | 90 |
| 20 | 63055 | *95660 | *04340 | 67395 | 80 |
| 30 | 63327 | *95949 | *04051 | 67378 | 70 |
| 40 | 63599 | *96238 | *03762 | 67361 | 60 |
| 50 | 63871 | *96527 | *03473 | 67344 | 50 |
| 60 | 64142 | *96815 | *03185 | 67327 | 40 |
| 70 | 64414 | *97104 | *02896 | 67310 | 30 |
| 80 | 64686 | *97393 | *02607 | 67293 | 20 |
| 90 | 64958 | *97682 | *02318 | 67276 | 10 |
| **66 oo** | 65229 | *97971 | *02029 | 67258 | **34 oo** |
| 10 | 65501 | *98260 | *01740 | 67241 | 90 |
| 20 | 65773 | *98549 | *01451 | 67224 | 80 |
| 30 | 66045 | *98837 | *01163 | 67207 | 70 |
| 40 | 66316 | *99126 | *00874 | 67190 | 60 |
| 50 | 66588 | *99415 | *00585 | 67173 | 50 |
| 60 | 66859 | *99704 | *00296 | 67156 | 40 |
| 70 | 67131 | *99992 | *00008 | 67139 | 30 |
| 80 | 67403 | 00281 | 99719 | 67121 | 20 |
| 90 | 67674 | 00570 | 99430 | 67104 | 10 |
| **67 oo** | 67946 | 00859 | 99141 | 67087 | **33 oo** |
| 10 | 68217 | 01147 | 98853 | 67070 | 90 |
| 20 | 68489 | 01436 | 98564 | 67053 | 80 |
| 30 | 68760 | 01724 | 98276 | 67036 | 70 |
| 40 | 69032 | 02013 | 97987 | 67019 | 60 |
| 50 | 69303 | 02302 | 97698 | 67001 | 50 |
| 60 | 69575 | 02590 | 97410 | 66984 | 40 |
| 70 | 69846 | 02879 | 97121 | 66967 | 30 |
| 80 | 70117 | 03167 | 96833 | 66950 | 20 |
| 90 | 70389 | 03456 | 96544 | 66933 | 10 |
| **68 oo** | 70660 | 03744 | 96256 | 66916 | **32 oo** |
| 10 | 70931 | 04033 | 95967 | 66899 | 90 |
| 20 | 71203 | 04321 | 95679 | 66881 | 80 |
| 30 | 71474 | 04610 | 95390 | 66864 | 70 |
| 40 | 71745 | 04898 | 95102 | 66847 | 60 |
| 50 | 72017 | 05187 | 94813 | 66830 | 50 |
| 60 | 72288 | 05475 | 94525 | 66813 | 40 |
| 70 | 72559 | 05763 | 94237 | 66796 | 30 |
| 80 | 72830 | 06052 | 93948 | 66778 | 20 |
| 90 | 73101 | 06340 | 93660 | 66761 | 10 |
| **69 oo** | 73373 | 06629 | 93371 | 66744 | **31 oo** |
| 10 | 73644 | 06917 | 93083 | 66727 | 90 |
| 20 | 73915 | 07205 | 92795 | 66710 | 80 |
| 30 | 74186 | 07493 | 92507 | 66693 | 70 |
| 40 | 74457 | 07782 | 92218 | 66675 | 60 |
| 50 | 74728 | 08070 | 91930 | 66658 | 50 |
| 60 | 74999 | 08358 | 91642 | 66641 | 40 |
| 70 | 75270 | 08646 | 91354 | 66624 | 30 |
| 80 | 75541 | 08935 | 91065 | 66607 | 20 |
| 90 | 75812 | 09223 | 90777 | 66590 | 10 |
| **70 oo** | 76083 | 09511 | 90489 | 66572 | **30 oo** |
| | **9.38** | **9.40** | **0.59** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $84^g$ |
| | 271 | 288 | 288 | 18 | |

| | 290 | 289 | 288 | 273 | 272 | 271 | 18 | 17 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 29,0 | 28,9 | 28,8 | 27,3 | 27,2 | 27,1 | 1,8 | 1,7 | 1 |
| 2 | 58,0 | 57,8 | 57,6 | 54,6 | 54,4 | 54,2 | 3,6 | 3,4 | 2 |
| 3 | 87,0 | 86,7 | 86,4 | 81,9 | 81,6 | 81,3 | 5,4 | 5,1 | 3 |
| 4 | 116,0 | 115,6 | 115,2 | 109,2 | 108,8 | 108,4 | 7,2 | 6,8 | 4 |
| 5 | 145,0 | 144,5 | 144,0 | 136,5 | 136,0 | 135,5 | 9,0 | 8,5 | 5 |
| 6 | 174,0 | 173,4 | 172,8 | 163,8 | 163,2 | 162,6 | 10,8 | 10,2 | 6 |
| 7 | 203,0 | 202,3 | 201,6 | 191,1 | 190,4 | 189,7 | 12,6 | 11,9 | 7 |
| 8 | 232,0 | 231,2 | 230,4 | 218,4 | 217,6 | 216,8 | 14,4 | 13,6 | 8 |
| 9 | 261,0 | 260,1 | 259,2 | 245,7 | 244,8 | 243,9 | 16,2 | 15,3 | 9 |

| 15g | 271 | 289 | 289 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.38** | **9.40** | **0.59** | **9.98** | |
| **70 oo** | 76083 | 09511 | 90489 | 66572 | **30 oo** |
| 10 | 76354 | 09799 | 90201 | 66555 | 90 |
| 20 | 76625 | 10087 | 89913 | 66538 | 80 |
| 30 | 76896 | 10375 | 89625 | 66521 | 70 |
| 40 | 77167 | 10664 | 89336 | 66504 | 60 |
| 50 | 77438 | 10952 | 89048 | 66487 | 50 |
| 60 | 77709 | 11240 | 88760 | 66469 | 40 |
| 70 | 77980 | 11528 | 88472 | 66452 | 30 |
| 80 | 78251 | 11816 | 88184 | 66435 | 20 |
| 90 | 78522 | 12104 | 87896 | 66418 | 10 |
| **71 oo** | 78792 | 12392 | 87608 | 66401 | **29 oo** |
| 10 | 79063 | 12680 | 87320 | 66383 | 90 |
| 20 | 79334 | 12968 | 87032 | 66366 | 80 |
| 30 | 79605 | 13256 | 86744 | 66349 | 70 |
| 40 | 79876 | 13544 | 86456 | 66332 | 60 |
| 50 | 80146 | 13832 | 86168 | 66315 | 50 |
| 60 | 80417 | 14119 | 85881 | 66298 | 40 |
| 70 | 80688 | 14407 | 85593 | 66280 | 30 |
| 80 | 80958 | 14695 | 85305 | 66263 | 20 |
| 90 | 81229 | 14983 | 85017 | 66246 | 10 |
| **72 oo** | 81500 | 15271 | 84729 | 66229 | **28 oo** |
| 10 | 81770 | 15559 | 84441 | 66212 | 90 |
| 20 | 82041 | 15847 | 84153 | 66194 | 80 |
| 30 | 82311 | 16134 | 83866 | 66177 | 70 |
| 40 | 82582 | 16422 | 83578 | 66160 | 60 |
| 50 | 82853 | 16710 | 83290 | 66143 | 50 |
| 60 | 83123 | 16998 | 83002 | 66126 | 40 |
| 70 | 83394 | 17285 | 82715 | 66108 | 30 |
| 80 | 83664 | 17573 | 82427 | 66091 | 20 |
| 90 | 83935 | 17861 | 82139 | 66074 | 10 |
| **73 oo** | 84205 | 18148 | 81852 | 66057 | **27 oo** |
| 10 | 84476 | 18436 | 81564 | 66040 | 90 |
| 20 | 84746 | 18724 | 81276 | 66022 | 80 |
| 30 | 85016 | 19011 | 80989 | 66005 | 70 |
| 40 | 85287 | 19299 | 80701 | 65988 | 60 |
| 50 | 85557 | 19586 | 80414 | 65971 | 50 |
| 60 | 85827 | 19874 | 80126 | 65953 | 40 |
| 70 | 86098 | 20162 | 79838 | 65936 | 30 |
| 80 | 86368 | 20449 | 79551 | 65919 | 20 |
| 90 | 86638 | 20737 | 79263 | 65902 | 10 |
| **74 oo** | 86909 | 21024 | 78976 | 65885 | **26 oo** |
| 10 | 87179 | 21312 | 78688 | 65867 | 90 |
| 20 | 87449 | 21599 | 78401 | 65850 | 80 |
| 30 | 87719 | 21886 | 78114 | 65833 | 70 |
| 40 | 87990 | 22174 | 77826 | 65816 | 60 |
| 50 | 88260 | 22461 | 77539 | 65799 | 50 |
| 60 | 88530 | 22749 | 77251 | 65781 | 40 |
| 70 | 88800 | 23036 | 76964 | 65764 | 30 |
| 80 | 89070 | 23323 | 76677 | 65747 | 20 |
| 90 | 89340 | 23611 | 76389 | 65730 | 10 |
| **75 oo** | 89611 | 23898 | 76102 | 65712 | **25 oo** |
| | **9.38** | **9.40** | **0.59** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 84g |
| | 270 | 287 | 287 | 18 | |

| 15g | 270 | 288 | 288 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.38** | **9.40** | **0.59** | **9.98** | |
| **75 oo** | 89611 | 23898 | 76102 | 65712 | **25 oo** |
| 10 | 89881 | 24185 | 75815 | 65695 | 90 |
| 20 | 90151 | 24473 | 75527 | 65678 | 80 |
| 30 | 90421 | 24760 | 75240 | 65661 | 70 |
| 40 | 90691 | 25047 | 74953 | 65643 | 60 |
| 50 | 90961 | 25335 | 74665 | 65626 | 50 |
| 60 | 91231 | 25622 | 74378 | 65609 | 40 |
| 70 | 91501 | 25909 | 74091 | 65592 | 30 |
| 80 | 91771 | 26196 | 73804 | 65574 | 20 |
| 90 | 92041 | 26483 | 73517 | 65557 | 10 |
| **76 oo** | 92311 | 26771 | 73229 | 65540 | **24 oo** |
| 10 | 92580 | 27058 | 72942 | 65523 | 90 |
| 20 | 92850 | 27345 | 72655 | 65506 | 80 |
| 30 | 93120 | 27632 | 72368 | 65488 | 70 |
| 40 | 93390 | 27919 | 72081 | 65471 | 60 |
| 50 | 93660 | 28206 | 71794 | 65454 | 50 |
| 60 | 93930 | 28493 | 71507 | 65437 | 40 |
| 70 | 94200 | 28780 | 71220 | 65419 | 30 |
| 80 | 94469 | 29067 | 70933 | 65402 | 20 |
| 90 | 94739 | 29354 | 70646 | 65385 | 10 |
| **77 oo** | 95009 | 29641 | 70359 | 65368 | **23 oo** |
| 10 | 95279 | 29928 | 70072 | 65350 | 90 |
| 20 | 95548 | 30215 | 69785 | 65333 | 80 |
| 30 | 95818 | 30502 | 69498 | 65316 | 70 |
| 40 | 96088 | 30789 | 69211 | 65299 | 60 |
| 50 | 96357 | 31076 | 68924 | 65281 | 50 |
| 60 | 96627 | 31363 | 68637 | 65264 | 40 |
| 70 | 96897 | 31650 | 68350 | 65247 | 30 |
| 80 | 97166 | 31937 | 68063 | 65229 | 20 |
| 90 | 97436 | 32224 | 67776 | 65212 | 10 |
| **78 oo** | 97705 | 32510 | 67490 | 65195 | **22 oo** |
| 10 | 97975 | 32797 | 67203 | 65178 | 90 |
| 20 | 98244 | 33084 | 66916 | 65160 | 80 |
| 30 | 98514 | 33371 | 66629 | 65143 | 70 |
| 40 | 98783 | 33658 | 66342 | 65126 | 60 |
| 50 | 99053 | 33944 | 66056 | 65109 | 50 |
| 60 | 99322 | 34231 | 65769 | 65091 | 40 |
| 70 | 99592 | 34518 | 65482 | 65074 | 30 |
| 80 | 99861 | 34804 | 65196 | 65057 | 20 |
| 90 | ∗00131 | 35091 | 64909 | 65040 | 10 |
| **79 oo** | ∗00400 | 35378 | 64622 | 65022 | **21 oo** |
| 10 | ∗00669 | 35664 | 64336 | 65005 | 90 |
| 20 | ∗00939 | 35951 | 64049 | 64988 | 80 |
| 30 | ∗01208 | 36238 | 63762 | 64970 | 70 |
| 40 | ∗01477 | 36524 | 63476 | 64953 | 60 |
| 50 | ∗01747 | 36811 | 63189 | 64936 | 50 |
| 60 | ∗02016 | 37097 | 62903 | 64919 | 40 |
| 70 | ∗02285 | 37384 | 62616 | 64901 | 30 |
| 80 | ∗02554 | 37670 | 62330 | 64884 | 20 |
| 90 | ∗02824 | 37957 | 62043 | 64867 | 10 |
| **80 oo** | ∗03093 | 38243 | 61757 | 64849 | **20 oo** |
| | ∗**9.39** | **9.40** | **0.59** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 84g |
| | 269 | 286 | 286 | 18 | |

| | 289 | 288 | 287 | 286 | 271 | 270 | 269 | 18 | 17 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28,9 | 28,8 | 28,7 | 28,6 | 27,1 | 27,0 | 26,9 | 1,8 | 1,7 | 1 |
| 2 | 57,8 | 57,6 | 57,4 | 57,2 | 54,2 | 54,0 | 53,8 | 3,6 | 3,4 | 2 |
| 3 | 86,7 | 86,4 | 86,1 | 85,8 | 81,3 | 81,0 | 80,7 | 5,4 | 5,1 | 3 |
| 4 | 115,6 | 115,2 | 114,8 | 114,4 | 108,4 | 108,0 | 107,6 | 7,2 | 6,8 | 4 |
| 5 | 144,5 | 144,0 | 143,5 | 143,0 | 135,5 | 135,0 | 134,5 | 9,0 | 8,5 | 5 |
| 6 | 173,4 | 172,8 | 172,2 | 171,6 | 162,6 | 162,0 | 161,4 | 10,8 | 10,2 | 6 |
| 7 | 202,3 | 201,6 | 200,9 | 200,2 | 189,7 | 189,0 | 188,3 | 12,6 | 11,9 | 7 |
| 8 | 231,2 | 230,4 | 229,6 | 228,8 | 216,8 | 216,0 | 215,2 | 14,4 | 13,6 | 8 |
| 9 | 260,1 | 259,2 | 258,3 | 257,4 | 243,9 | 243,0 | 242,1 | 16,2 | 15,3 | 9 |

| 15g | 270 | 287 | 287 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.39** | **9.40** | **0.59** | **9.98** | |
| **80 oo** | 03093 | 38243 | 61757 | 64849 | **20 oo** |
| 10 | 03362 | 38530 | 61470 | 64832 | 90 |
| 20 | 03631 | 38816 | 61184 | 64815 | 80 |
| 30 | 03900 | 39103 | 60897 | 64798 | 70 |
| 40 | 04170 | 39389 | 60611 | 64780 | 60 |
| 50 | 04439 | 39676 | 60324 | 64763 | 50 |
| 60 | 04708 | 39962 | 60038 | 64746 | 40 |
| 70 | 04977 | 40249 | 59751 | 64728 | 30 |
| 80 | 05246 | 40535 | 59465 | 64711 | 20 |
| 90 | 05515 | 40821 | 59179 | 64694 | 10 |
| **81 oo** | 05784 | 41108 | 58892 | 64677 | **19 oo** |
| 10 | 06053 | 41394 | 58606 | 64659 | 90 |
| 20 | 06322 | 41680 | 58320 | 64642 | 80 |
| 30 | 06591 | 41966 | 58034 | 64625 | 70 |
| 40 | 06860 | 42253 | 57747 | 64607 | 60 |
| 50 | 07129 | 42539 | 57461 | 64590 | 50 |
| 60 | 07398 | 42825 | 57175 | 64573 | 40 |
| 70 | 07667 | 43111 | 56889 | 64555 | 30 |
| 80 | 07936 | 43398 | 56602 | 64538 | 20 |
| 90 | 08205 | 43684 | 56316 | 64521 | 10 |
| **82 oo** | 08473 | 43970 | 56030 | 64503 | **18 oo** |
| 10 | 08742 | 44256 | 55744 | 64486 | 90 |
| 20 | 09011 | 44542 | 55458 | 64469 | 80 |
| 30 | 09280 | 44828 | 55172 | 64452 | 70 |
| 40 | 09549 | 45114 | 54886 | 64434 | 60 |
| 50 | 09817 | 45401 | 54599 | 64417 | 50 |
| 60 | 10086 | 45687 | 54313 | 64400 | 40 |
| 70 | 10355 | 45973 | 54027 | 64382 | 30 |
| 80 | 10624 | 46259 | 53741 | 64365 | 20 |
| 90 | 10892 | 46545 | 53455 | 64348 | 10 |
| **83 oo** | 11161 | 46831 | 53169 | 64330 | **17 oo** |
| 10 | 11430 | 47117 | 52883 | 64313 | 90 |
| 20 | 11698 | 47403 | 52597 | 64296 | 80 |
| 30 | 11967 | 47689 | 52311 | 64278 | 70 |
| 40 | 12236 | 47975 | 52025 | 64261 | 60 |
| 50 | 12504 | 48260 | 51740 | 64244 | 50 |
| 60 | 12773 | 48546 | 51454 | 64226 | 40 |
| 70 | 13041 | 48832 | 51168 | 64209 | 30 |
| 80 | 13310 | 49118 | 50882 | 64192 | 20 |
| 90 | 13578 | 49404 | 50596 | 64174 | 10 |
| **84 oo** | 13847 | 49690 | 50310 | 64157 | **16 oo** |
| 10 | 14115 | 49976 | 50024 | 64140 | 90 |
| 20 | 14384 | 50261 | 49739 | 64122 | 80 |
| 30 | 14652 | 50547 | 49453 | 64105 | 70 |
| 40 | 14921 | 50833 | 49167 | 64088 | 60 |
| 50 | 15189 | 51119 | 48881 | 64070 | 50 |
| 60 | 15458 | 51404 | 48596 | 64053 | 40 |
| 70 | 15726 | 51690 | 48310 | 64036 | 30 |
| 80 | 15994 | 51976 | 48024 | 64018 | 20 |
| 90 | 16263 | 52262 | 47738 | 64001 | 10 |
| **85 oo** | 16531 | 52547 | 47453 | 63984 | **15 oo** |
| | **9.39** | **9.40** | **0.59** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 84g |
| | 268 | 285 | 285 | 18 | |

| 15g | 269 | 286 | 286 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.39** | **9.40** | **0.59** | **9.98** | |
| **85 oo** | 16531 | 52547 | 47453 | 63984 | **15 oo** |
| 10 | 16799 | 52833 | 47167 | 63966 | 90 |
| 20 | 17068 | 53119 | 46881 | 63949 | 80 |
| 30 | 17336 | 53404 | 46596 | 63932 | 70 |
| 40 | 17604 | 53690 | 46310 | 63914 | 60 |
| 50 | 17872 | 53975 | 46025 | 63897 | 50 |
| 60 | 18141 | 54261 | 45739 | 63880 | 40 |
| 70 | 18409 | 54547 | 45453 | 63862 | 30 |
| 80 | 18677 | 54832 | 45168 | 63845 | 20 |
| 90 | 18945 | 55118 | 44882 | 63827 | 10 |
| **86 oo** | 19213 | 55403 | 44597 | 63810 | **14 oo** |
| 10 | 19481 | 55689 | 44311 | 63793 | 90 |
| 20 | 19749 | 55974 | 44026 | 63775 | 80 |
| 30 | 20018 | 56259 | 43741 | 63758 | 70 |
| 40 | 20286 | 56545 | 43455 | 63741 | 60 |
| 50 | 20554 | 56830 | 43170 | 63723 | 50 |
| 60 | 20822 | 57116 | 42884 | 63706 | 40 |
| 70 | 21090 | 57401 | 42599 | 63689 | 30 |
| 80 | 21358 | 57687 | 42313 | 63671 | 20 |
| 90 | 21626 | 57972 | 42028 | 63654 | 10 |
| **87 oo** | 21894 | 58257 | 41743 | 63637 | **13 oo** |
| 10 | 22162 | 58543 | 41457 | 63619 | 90 |
| 20 | 22430 | 58828 | 41172 | 63602 | 80 |
| 30 | 22698 | 59113 | 40887 | 63584 | 70 |
| 40 | 22965 | 59398 | 40602 | 63567 | 60 |
| 50 | 23233 | 59684 | 40316 | 63550 | 50 |
| 60 | 23501 | 59969 | 40031 | 63532 | 40 |
| 70 | 23769 | 60254 | 39746 | 63515 | 30 |
| 80 | 24037 | 60539 | 39461 | 63498 | 20 |
| 90 | 24305 | 60825 | 39175 | 63480 | 10 |
| **88 oo** | 24573 | 61110 | 38890 | 63463 | **12 oo** |
| 10 | 24840 | 61395 | 38605 | 63445 | 90 |
| 20 | 25108 | 61680 | 38320 | 63428 | 80 |
| 30 | 25376 | 61965 | 38035 | 63411 | 70 |
| 40 | 25644 | 62250 | 37750 | 63393 | 60 |
| 50 | 25911 | 62535 | 37465 | 63376 | 50 |
| 60 | 26179 | 62820 | 37180 | 63359 | 40 |
| 70 | 26447 | 63105 | 36895 | 63341 | 30 |
| 80 | 26714 | 63391 | 36609 | 63324 | 20 |
| 90 | 26982 | 63676 | 36324 | 63306 | 10 |
| **89 oo** | 27250 | 63961 | 36039 | 63289 | **11 oo** |
| 10 | 27517 | 64246 | 35754 | 63272 | 90 |
| 20 | 27785 | 64531 | 35469 | 63254 | 80 |
| 30 | 28052 | 64816 | 35184 | 63237 | 70 |
| 40 | 28320 | 65100 | 34900 | 63219 | 60 |
| 50 | 28587 | 65385 | 34615 | 63202 | 50 |
| 60 | 28855 | 65670 | 34330 | 63185 | 40 |
| 70 | 29122 | 65955 | 34045 | 63167 | 30 |
| 80 | 29390 | 66240 | 33760 | 63150 | 20 |
| 90 | 29657 | 66525 | 33475 | 63132 | 10 |
| **90 oo** | 29925 | 66810 | 33190 | 63115 | **10 oo** |
| | **9.39** | **9.40** | **0.59** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 84g |
| | 267 | 284 | 284 | 18 | |

| | 287 | 286 | 285 | 284 | 270 | 269 | 268 | 267 | 18 | 17 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28,7 | 28,6 | 28,5 | 28,4 | 27,0 | 26,9 | 26,8 | 26,7 | 1,8 | 1,7 | 1 |
| 2 | 57,4 | 57,2 | 57,0 | 56,8 | 54,0 | 53,8 | 53,6 | 53,4 | 3,6 | 3,4 | 2 |
| 3 | 86,1 | 85,8 | 85,5 | 85,2 | 81,0 | 80,7 | 80,4 | 80,1 | 5,4 | 5,1 | 3 |
| 4 | 114,8 | 114,4 | 114,0 | 113,6 | 108,0 | 107,6 | 107,2 | 106,8 | 7,2 | 6,8 | 4 |
| 5 | 143,5 | 143,0 | 142,5 | 142,0 | 135,0 | 134,5 | 134,0 | 133,5 | 9,0 | 8,5 | 5 |
| 6 | 172,2 | 171,6 | 171,0 | 170,4 | 162,0 | 161,4 | 160,8 | 160,2 | 10,8 | 10,2 | 6 |
| 7 | 200,9 | 200,2 | 199,5 | 198,8 | 189,0 | 188,3 | 187,6 | 186,9 | 12,6 | 11,9 | 7 |
| 8 | 229,6 | 228,8 | 228,0 | 227,2 | 216,0 | 215,2 | 214,4 | 213,6 | 14,4 | 13,6 | 8 |
| 9 | 258,3 | 257,4 | 256,5 | 255,6 | 243,0 | 242,1 | 241,2 | 240,3 | 16,2 | 15,3 | 9 |

| 15g | 268 | 285 | 285 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.39** | **9.40** | **0.59** | **9.98** | |
| **90 oo** | 29925 | 66810 | 33190 | 63115 | **10 oo** |
| 10 | 30192 | 67095 | 32905 | 63098 | 90 |
| 20 | 30460 | 67379 | 32621 | 63080 | 80 |
| 30 | 30727 | 67664 | 32336 | 63063 | 70 |
| 40 | 30994 | 67949 | 32051 | 63045 | 60 |
| 50 | 31262 | 68234 | 31766 | 63028 | 50 |
| 60 | 31529 | 68519 | 31481 | 63011 | 40 |
| 70 | 31796 | 68803 | 31197 | 62993 | 30 |
| 80 | 32064 | 69088 | 30912 | 62976 | 20 |
| 90 | 32331 | 69373 | 30627 | 62958 | 10 |
| **91 oo** | 32598 | 69657 | 30343 | 62941 | **09 oo** |
| 10 | 32866 | 69942 | 30058 | 62924 | 90 |
| 20 | 33133 | 70227 | 29773 | 62906 | 80 |
| 30 | 33400 | 70511 | 29489 | 62889 | 70 |
| 40 | 33667 | 70796 | 29204 | 62871 | 60 |
| 50 | 33934 | 71081 | 28919 | 62854 | 50 |
| 60 | 34202 | 71365 | 28635 | 62836 | 40 |
| 70 | 34469 | 71650 | 28350 | 62819 | 30 |
| 80 | 34736 | 71934 | 28066 | 62802 | 20 |
| 90 | 35003 | 72219 | 27781 | 62784 | 10 |
| **92 oo** | 35270 | 72503 | 27497 | 62767 | **08 oo** |
| 10 | 35537 | 72788 | 27212 | 62749 | 90 |
| 20 | 35804 | 73072 | 26928 | 62732 | 80 |
| 30 | 36071 | 73357 | 26643 | 62714 | 70 |
| 40 | 36338 | 73641 | 26359 | 62697 | 60 |
| 50 | 36605 | 73926 | 26074 | 62680 | 50 |
| 60 | 36872 | 74210 | 25790 | 62662 | 40 |
| 70 | 37139 | 74494 | 25506 | 62645 | 30 |
| 80 | 37406 | 74779 | 25221 | 62627 | 20 |
| 90 | 37673 | 75063 | 24937 | 62610 | 10 |
| **93 oo** | 37940 | 75348 | 24652 | 62592 | **07 oo** |
| 10 | 38207 | 75632 | 24368 | 62575 | 90 |
| 20 | 38474 | 75916 | 24084 | 62558 | 80 |
| 30 | 38741 | 76201 | 23799 | 62540 | 70 |
| 40 | 39008 | 76485 | 23515 | 62523 | 60 |
| 50 | 39274 | 76769 | 23231 | 62505 | 50 |
| 60 | 39541 | 77053 | 22947 | 62488 | 40 |
| 70 | 39808 | 77338 | 22662 | 62470 | 30 |
| 80 | 40075 | 77622 | 22378 | 62453 | 20 |
| 90 | 40342 | 77906 | 22094 | 62435 | 10 |
| **94 oo** | 40608 | 78190 | 21810 | 62418 | **06 oo** |
| 10 | 40875 | 78474 | 21526 | 62401 | 90 |
| 20 | 41142 | 78759 | 21241 | 62383 | 80 |
| 30 | 41408 | 79043 | 20957 | 62366 | 70 |
| 40 | 41675 | 79327 | 20673 | 62348 | 60 |
| 50 | 41942 | 79611 | 20389 | 62331 | 50 |
| 60 | 42208 | 79895 | 20105 | 62313 | 40 |
| 70 | 42475 | 80179 | 19821 | 62296 | 30 |
| 80 | 42742 | 80463 | 19537 | 62278 | 20 |
| 90 | 43008 | 80747 | 19253 | 62261 | 10 |
| **95 oo** | 43275 | 81031 | 18969 | 62243 | **05 oo** |
| | **9.39** | **9.40** | **0.59** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $84^g$ |
| | 266 | 284 | 284 | 18 | |

| 15g | 267 | 284 | 284 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.39** | **9.40** | **0.59** | **9.98** | |
| **95 oo** | 43275 | 81031 | 18969 | 62243 | **05 oo** |
| 10 | 43541 | 81315 | 18685 | 62226 | 90 |
| 20 | 43808 | 81599 | 18401 | 62209 | 80 |
| 30 | 44074 | 81883 | 18117 | 62191 | 70 |
| 40 | 44341 | 82167 | 17833 | 62174 | 60 |
| 50 | 44607 | 82451 | 17549 | 62156 | 50 |
| 60 | 44874 | 82735 | 17265 | 62139 | 40 |
| 70 | 45140 | 83019 | 16981 | 62121 | 30 |
| 80 | 45407 | 83303 | 16697 | 62104 | 20 |
| 90 | 45673 | 83587 | 16413 | 62086 | 10 |
| **96 oo** | 45940 | 83871 | 16129 | 62069 | **04 oo** |
| 10 | 46206 | 84155 | 15845 | 62051 | 90 |
| 20 | 46472 | 84438 | 15562 | 62034 | 80 |
| 30 | 46739 | 84722 | 15278 | 62016 | 70 |
| 40 | 47005 | 85006 | 14994 | 61999 | 60 |
| 50 | 47271 | 85290 | 14710 | 61981 | 50 |
| 60 | 47538 | 85574 | 14426 | 61964 | 40 |
| 70 | 47804 | 85857 | 14143 | 61947 | 30 |
| 80 | 48070 | 86141 | 13859 | 61929 | 20 |
| 90 | 48336 | 86425 | 13575 | 61912 | 10 |
| **97 oo** | 48603 | 86709 | 13291 | 61894 | **03 oo** |
| 10 | 48869 | 86992 | 13008 | 61877 | 90 |
| 20 | 49135 | 87276 | 12724 | 61859 | 80 |
| 30 | 49401 | 87560 | 12440 | 61842 | 70 |
| 40 | 49667 | 87843 | 12157 | 61824 | 60 |
| 50 | 49933 | 88127 | 11873 | 61807 | 50 |
| 60 | 50200 | 88410 | 11590 | 61789 | 40 |
| 70 | 50466 | 88694 | 11306 | 61772 | 30 |
| 80 | 50732 | 88978 | 11022 | 61754 | 20 |
| 90 | 50998 | 89261 | 10739 | 61737 | 10 |
| **98 oo** | 51264 | 89545 | 10455 | 61719 | **02 oo** |
| 10 | 51530 | 89828 | 10172 | 61702 | 90 |
| 20 | 51796 | 90112 | 09888 | 61684 | 80 |
| 30 | 52062 | 90395 | 09605 | 61667 | 70 |
| 40 | 52328 | 90679 | 09321 | 61649 | 60 |
| 50 | 52594 | 90962 | 09038 | 61632 | 50 |
| 60 | 52860 | 91246 | 08754 | 61614 | 40 |
| 70 | 53126 | 91529 | 08471 | 61597 | 30 |
| 80 | 53392 | 91812 | 08188 | 61579 | 20 |
| 90 | 53658 | 92096 | 07904 | 61562 | 10 |
| **99 oo** | 53923 | 92379 | 07621 | 61544 | **01 oo** |
| 10 | 54189 | 92663 | 07337 | 61527 | 90 |
| 20 | 54455 | 92946 | 07054 | 61509 | 80 |
| 30 | 54721 | 93229 | 06771 | 61492 | 70 |
| 40 | 54987 | 93513 | 06487 | 61474 | 60 |
| 50 | 55253 | 93796 | 06204 | 61457 | 50 |
| 60 | 55518 | 94079 | 05921 | 61439 | 40 |
| 70 | 55784 | 94362 | 05638 | 61422 | 30 |
| 80 | 56050 | 94646 | 05354 | 61404 | 20 |
| 90 | 56316 | 94929 | 05071 | 61387 | 10 |
| **100 oo** | 56581 | 95212 | 04788 | 61369 | **00 oo** |
| | **9.39** | **9.40** | **0.59** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $84^g$ |
| | 265 | 283 | 283 | 18 | |

| | 285 | 284 | 283 | 268 | 267 | 266 | 265 | 18 | 17 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28,5 | 28,4 | 28,3 | 26,8 | 26,7 | 26,6 | 26,5 | 1,8 | 1,7 | 1 |
| 2 | 57,0 | 56,8 | 56,6 | 53,6 | 53,4 | 53,2 | 53,0 | 3,6 | 3,4 | 2 |
| 3 | 85,5 | 85,2 | 84,9 | 80,4 | 80,1 | 79,8 | 79,5 | 5,4 | 5,1 | 3 |
| 4 | 114,0 | 113,6 | 113,2 | 107,2 | 106,8 | 106,4 | 106,0 | 7,2 | 6,8 | 4 |
| 5 | 142,5 | 142,0 | 141,5 | 134,0 | 133,5 | 133,0 | 132,5 | 9,0 | 8,5 | 5 |
| 6 | 171,0 | 170,4 | 169,8 | 160,8 | 160,2 | 159,6 | 159,0 | 10,8 | 10,2 | 6 |
| 7 | 199,5 | 198,8 | 198,1 | 187,6 | 186,9 | 186,2 | 185,5 | 12,6 | 11,9 | 7 |
| 8 | 228,0 | 227,2 | 226,4 | 214,4 | 213,6 | 212,8 | 212,0 | 14,4 | 13,6 | 8 |
| 9 | 256,5 | 255,6 | 254,7 | 241,2 | 240,3 | 239,4 | 238,5 | 16,2 | 15,3 | 9 |

| $16^g$ | 266 | 284 | 284 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.39** | ***9.40** | ***0.59** | **9.98** | |
| **00 oo** | 56581 | *95212 | *04788 | 61369 | **100 oo** |
| 10 | 56847 | *95495 | *04505 | 61352 | 90 |
| 20 | 57113 | *95778 | *04222 | 61334 | 80 |
| 30 | 57378 | *96062 | *03938 | 61317 | 70 |
| 40 | 57644 | *96345 | *03655 | 61299 | 60 |
| 50 | 57910 | *96628 | *03372 | 61282 | 50 |
| 60 | 58175 | *96911 | *03089 | 61264 | 40 |
| 70 | 58441 | *97194 | *02806 | 61247 | 30 |
| 80 | 58706 | *97477 | *02523 | 61229 | 20 |
| 90 | 58972 | *97760 | *02240 | 61211 | 10 |
| **01 oo** | 59237 | *98043 | *01957 | 61194 | **99 oo** |
| 10 | 59503 | *98326 | *01674 | 61176 | 90 |
| 20 | 59768 | *98609 | *01391 | 61159 | 80 |
| 30 | 60034 | *98892 | *01108 | 61141 | 70 |
| 40 | 60299 | *99175 | *00825 | 61124 | 60 |
| 50 | 60565 | *99458 | *00542 | 61106 | 50 |
| 60 | 60830 | *99741 | *00259 | 61089 | 40 |
| 70 | 61096 | 00024 | 99976 | 61071 | 30 |
| 80 | 61361 | 00307 | 99693 | 61054 | 20 |
| 90 | 61626 | 00590 | 99410 | 61036 | 10 |
| **02 oo** | 61892 | 00873 | 99127 | 61019 | **98 oo** |
| 10 | 62157 | 01156 | 98844 | 61001 | 90 |
| 20 | 62422 | 01439 | 98561 | 60984 | 80 |
| 30 | 62688 | 01722 | 98278 | 60966 | 70 |
| 40 | 62953 | 02005 | 97995 | 60948 | 60 |
| 50 | 63218 | 02287 | 97713 | 60931 | 50 |
| 60 | 63483 | 02570 | 97430 | 60913 | 40 |
| 70 | 63749 | 02853 | 97147 | 60896 | 30 |
| 80 | 64014 | 03136 | 96864 | 60878 | 20 |
| 90 | 64279 | 03418 | 96582 | 60861 | 10 |
| **03 oo** | 64544 | 03701 | 96299 | 60843 | **97 oo** |
| 10 | 64809 | 03984 | 96016 | 60826 | 90 |
| 20 | 65075 | 04267 | 95733 | 60808 | 80 |
| 30 | 65340 | 04549 | 95451 | 60791 | 70 |
| 40 | 65605 | 04832 | 95168 | 60773 | 60 |
| 50 | 65870 | 05115 | 94885 | 60755 | 50 |
| 60 | 66135 | 05397 | 94603 | 60738 | 40 |
| 70 | 66400 | 05680 | 94320 | 60720 | 30 |
| 80 | 66665 | 05962 | 94038 | 60703 | 20 |
| 90 | 66930 | 06245 | 93755 | 60685 | 10 |
| **04 oo** | 67195 | 06528 | 93472 | 60668 | **96 oo** |
| 10 | 67460 | 06810 | 93190 | 60650 | 90 |
| 20 | 67725 | 07093 | 92907 | 60632 | 80 |
| 30 | 67990 | 07375 | 92625 | 60615 | 70 |
| 40 | 68255 | 07658 | 92342 | 60597 | 60 |
| 50 | 68520 | 07940 | 92060 | 60580 | 50 |
| 60 | 68785 | 08223 | 91777 | 60562 | 40 |
| 70 | 69050 | 08505 | 91495 | 60545 | 30 |
| 80 | 69315 | 08788 | 91212 | 60527 | 20 |
| 90 | 69580 | 09070 | 90930 | 60510 | 10 |
| **05 oo** | 69844 | 09352 | 90648 | 60492 | **95 oo** |
| | **9.39** | **9.41** | **0.58** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 264 | 282 | 282 | 18 | |

| $16^g$ | 265 | 283 | 283 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.39** | **9.41** | **0.58** | **9.98** | |
| **05 oo** | 69844 | 09352 | 90648 | 60492 | **95 oo** |
| 10 | 70109 | 09635 | 90365 | 60474 | 90 |
| 20 | 70374 | 09917 | 90083 | 60457 | 80 |
| 30 | 70639 | 10200 | 89800 | 60439 | 70 |
| 40 | 70904 | 10482 | 89518 | 60422 | 60 |
| 50 | 71168 | 10764 | 89236 | 60404 | 50 |
| 60 | 71433 | 11047 | 88953 | 60386 | 40 |
| 70 | 71698 | 11329 | 88671 | 60369 | 30 |
| 80 | 71962 | 11611 | 88389 | 60351 | 20 |
| 90 | 72227 | 11893 | 88107 | 60334 | 10 |
| **06 oo** | 72492 | 12176 | 87824 | 60316 | **94 oo** |
| 10 | 72756 | 12458 | 87542 | 60299 | 90 |
| 20 | 73021 | 12740 | 87260 | 60281 | 80 |
| 30 | 73286 | 13022 | 86978 | 60263 | 70 |
| 40 | 73550 | 13305 | 86695 | 60246 | 60 |
| 50 | 73815 | 13587 | 86413 | 60228 | 50 |
| 60 | 74079 | 13869 | 86131 | 60211 | 40 |
| 70 | 74344 | 14151 | 85849 | 60193 | 30 |
| 80 | 74609 | 14433 | 85567 | 60175 | 20 |
| 90 | 74873 | 14715 | 85285 | 60158 | 10 |
| **07 oo** | 75138 | 14997 | 85003 | 60140 | **93 oo** |
| 10 | 75402 | 15279 | 84721 | 60123 | 90 |
| 20 | 75666 | 15561 | 84439 | 60105 | 80 |
| 30 | 75931 | 15843 | 84157 | 60087 | 70 |
| 40 | 76195 | 16126 | 83874 | 60070 | 60 |
| 50 | 76460 | 16408 | 83592 | 60052 | 50 |
| 60 | 76724 | 16690 | 83310 | 60035 | 40 |
| 70 | 76989 | 16971 | 83029 | 60017 | 30 |
| 80 | 77253 | 17253 | 82747 | 59999 | 20 |
| 90 | 77517 | 17535 | 82465 | 59982 | 10 |
| **08 oo** | 77782 | 17817 | 82183 | 59964 | **92 oo** |
| 10 | 78046 | 18099 | 81901 | 59947 | 90 |
| 20 | 78310 | 18381 | 81619 | 59929 | 80 |
| 30 | 78574 | 18663 | 81337 | 59911 | 70 |
| 40 | 78839 | 18945 | 81055 | 59894 | 60 |
| 50 | 79103 | 19227 | 80773 | 59876 | 50 |
| 60 | 79367 | 19509 | 80491 | 59859 | 40 |
| 70 | 79631 | 19790 | 80210 | 59841 | 30 |
| 80 | 79896 | 20072 | 79928 | 59823 | 20 |
| 90 | 80160 | 20354 | 79646 | 59806 | 10 |
| **09 oo** | 80424 | 20636 | 79364 | 59788 | **91 oo** |
| 10 | 80688 | 20918 | 79082 | 59770 | 90 |
| 20 | 80952 | 21199 | 78801 | 59753 | 80 |
| 30 | 81216 | 21481 | 78519 | 59735 | 70 |
| 40 | 81480 | 21763 | 78237 | 59718 | 60 |
| 50 | 81744 | 22044 | 77956 | 59700 | 50 |
| 60 | 82008 | 22326 | 77674 | 59682 | 40 |
| 70 | 82272 | 22608 | 77392 | 59665 | 30 |
| 80 | 82536 | 22889 | 77111 | 59647 | 20 |
| 90 | 82800 | 23171 | 76829 | 59630 | 10 |
| **10 oo** | 83064 | 23453 | 76547 | 59612 | **90 oo** |
| | **9.39** | **9.41** | **0.58** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 264 | 281 | 281 | 18 | |

| | 284 | 283 | 282 | 281 | 266 | 265 | 264 | 18 | 17 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28,4 | 28,3 | 28,2 | 28,1 | 26,6 | 26,5 | 26,4 | 1,8 | 1,7 | 1 |
| 2 | 56,8 | 56,6 | 56,4 | 56,2 | 53,2 | 53,0 | 52,8 | 3,6 | 3,4 | 2 |
| 3 | 85,2 | 84,9 | 84,6 | 84,3 | 79,8 | 79,5 | 79,2 | 5,4 | 5,1 | 3 |
| 4 | 113,6 | 113,2 | 112,8 | 112,4 | 106,4 | 106,0 | 105,6 | 7,2 | 6,8 | 4 |
| 5 | 142,0 | 141,5 | 141,0 | 140,5 | 133,0 | 132,5 | 132,0 | 9,0 | 8,5 | 5 |
| 6 | 170,4 | 169,8 | 169,2 | 168,6 | 159,6 | 159,0 | 158,4 | 10,8 | 10,2 | 6 |
| 7 | 198,8 | 198,1 | 197,4 | 196,7 | 186,2 | 185,5 | 184,8 | 12,6 | 11,9 | 7 |
| 8 | 227,2 | 226,4 | 225,6 | 224,8 | 212,8 | 212,0 | 211,2 | 14,4 | 13,6 | 8 |
| 9 | 255,6 | 254,7 | 253,8 | 252,9 | 239,4 | 238,5 | 237,6 | 16,2 | 15,3 | 9 |

| $16^g$ | 264 | 282 | 282 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.39** | **9.41** | **0.58** | **9.98** | |
| **10 oo** | 83064 | 23453 | 76547 | 59612 | **90 oo** |
| 10 | 83328 | 23734 | 76266 | 59594 | 90 |
| 20 | 83592 | 24016 | 75984 | 59577 | 80 |
| 30 | 83856 | 24297 | 75703 | 59559 | 70 |
| 40 | 84120 | 24579 | 75421 | 59541 | 60 |
| 50 | 84384 | 24860 | 75140 | 59524 | 50 |
| 60 | 84648 | 25142 | 74858 | 59506 | 40 |
| 70 | 84912 | 25423 | 74577 | 59488 | 30 |
| 80 | 85176 | 25705 | 74295 | 59471 | 20 |
| 90 | 85440 | 25986 | 74014 | 59453 | 10 |
| **11 oo** | 85703 | 26268 | 73732 | 59436 | **89 oo** |
| 10 | 85967 | 26549 | 73451 | 59418 | 90 |
| 20 | 86231 | 26831 | 73169 | 59400 | 80 |
| 30 | 86495 | 27112 | 72888 | 59383 | 70 |
| 40 | 86758 | 27393 | 72607 | 59365 | 60 |
| 50 | 87022 | 27675 | 72325 | 59347 | 50 |
| 60 | 87286 | 27956 | 72044 | 59330 | 40 |
| 70 | 87550 | 28238 | 71762 | 59312 | 30 |
| 80 | 87813 | 28519 | 71481 | 59294 | 20 |
| 90 | 88077 | 28800 | 71200 | 59277 | 10 |
| **12 oo** | 88340 | 29081 | 70919 | 59259 | **88 oo** |
| 10 | 88604 | 29363 | 70637 | 59241 | 90 |
| 20 | 88868 | 29644 | 70356 | 59224 | 80 |
| 30 | 89131 | 29925 | 70075 | 59206 | 70 |
| 40 | 89395 | 30206 | 69794 | 59188 | 60 |
| 50 | 89658 | 30488 | 69512 | 59171 | 50 |
| 60 | 89922 | 30769 | 69231 | 59153 | 40 |
| 70 | 90185 | 31050 | 68950 | 59135 | 30 |
| 80 | 90449 | 31331 | 68669 | 59118 | 20 |
| 90 | 90712 | 31612 | 68388 | 59100 | 10 |
| **13 oo** | 90976 | 31893 | 68107 | 59082 | **87 oo** |
| 10 | 91239 | 32175 | 67825 | 59065 | 90 |
| 20 | 91503 | 32456 | 67544 | 59047 | 80 |
| 30 | 91766 | 32737 | 67263 | 59029 | 70 |
| 40 | 92030 | 33018 | 66982 | 59012 | 60 |
| 50 | 92293 | 33299 | 66701 | 58994 | 50 |
| 60 | 92556 | 33580 | 66420 | 58976 | 40 |
| 70 | 92820 | 33861 | 66139 | 58959 | 30 |
| 80 | 93083 | 34142 | 65858 | 58941 | 20 |
| 90 | 93346 | 34423 | 65577 | 58923 | 10 |
| **14 oo** | 93610 | 34704 | 65296 | 58906 | **86 oo** |
| 10 | 93873 | 34985 | 65015 | 58888 | 90 |
| 20 | 94136 | 35266 | 64734 | 58870 | 80 |
| 30 | 94399 | 35547 | 64453 | 58853 | 70 |
| 40 | 94663 | 35828 | 64172 | 58835 | 60 |
| 50 | 94926 | 36109 | 63891 | 58817 | 50 |
| 60 | 95189 | 36389 | 63611 | 58800 | 40 |
| 70 | 95452 | 36670 | 63330 | 58782 | 30 |
| 80 | 95715 | 36951 | 63049 | 58764 | 20 |
| 90 | 95979 | 37232 | 62768 | 58747 | 10 |
| **15 oo** | 96242 | 37513 | 62487 | 58729 | **85 oo** |
| | **9.39** | **9.41** | **0.58** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 263 | 280 | 280 | 18 | |

| $16^g$ | 263 | 281 | 281 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9.39** | **9.41** | **0.58** | **9.98** | |
| **15 oo** | *96242 | 37513 | 62487 | 58729 | **85 oo** |
| 10 | *96505 | 37794 | 62206 | 58711 | 90 |
| 20 | *96768 | 38074 | 61926 | 58694 | 80 |
| 30 | *97031 | 38355 | 61645 | 58676 | 70 |
| 40 | *97294 | 38636 | 61364 | 58658 | 60 |
| 50 | *97557 | 38917 | 61083 | 58640 | 50 |
| 60 | *97820 | 39197 | 60803 | 58623 | 40 |
| 70 | *98083 | 39478 | 60522 | 58605 | 30 |
| 80 | *98346 | 39759 | 60241 | 58587 | 20 |
| 90 | *98609 | 40039 | 59961 | 58570 | 10 |
| **16 oo** | *98872 | 40320 | 59680 | 58552 | **84 oo** |
| 10 | *99135 | 40601 | 59399 | 58534 | 90 |
| 20 | *99398 | 40881 | 59119 | 58517 | 80 |
| 30 | *99661 | 41162 | 58838 | 58499 | 70 |
| 40 | *99924 | 41443 | 58557 | 58481 | 60 |
| 50 | 00187 | 41723 | 58277 | 58464 | 50 |
| 60 | 00449 | 42004 | 57996 | 58446 | 40 |
| 70 | 00712 | 42284 | 57716 | 58428 | 30 |
| 80 | 00975 | 42565 | 57435 | 58410 | 20 |
| 90 | 01238 | 42845 | 57155 | 58393 | 10 |
| **17 oo** | 01501 | 43126 | 56874 | 58375 | **83 oo** |
| 10 | 01763 | 43406 | 56594 | 58357 | 90 |
| 20 | 02026 | 43687 | 56313 | 58340 | 80 |
| 30 | 02289 | 43967 | 56033 | 58322 | 70 |
| 40 | 02552 | 44248 | 55752 | 58304 | 60 |
| 50 | 02814 | 44528 | 55472 | 58286 | 50 |
| 60 | 03077 | 44808 | 55192 | 58269 | 40 |
| 70 | 03340 | 45089 | 54911 | 58251 | 30 |
| 80 | 03602 | 45369 | 54631 | 58233 | 20 |
| 90 | 03865 | 45650 | 54350 | 58216 | 10 |
| **18 oo** | 04128 | 45930 | 54070 | 58198 | **82 oo** |
| 10 | 04390 | 46210 | 53790 | 58180 | 90 |
| 20 | 04653 | 46490 | 53510 | 58162 | 80 |
| 30 | 04915 | 46771 | 53229 | 58145 | 70 |
| 40 | 05178 | 47051 | 52949 | 58127 | 60 |
| 50 | 05441 | 47331 | 52669 | 58109 | 50 |
| 60 | 05703 | 47612 | 52388 | 58091 | 40 |
| 70 | 05966 | 47892 | 52108 | 58074 | 30 |
| 80 | 06228 | 48172 | 51828 | 58056 | 20 |
| 90 | 06490 | 48452 | 51548 | 58038 | 10 |
| **19 oo** | 06753 | 48732 | 51268 | 58021 | **81 oo** |
| 10 | 07015 | 49013 | 50987 | 58003 | 90 |
| 20 | 07278 | 49293 | 50707 | 57985 | 80 |
| 30 | 07540 | 49573 | 50427 | 57967 | 70 |
| 40 | 07803 | 49853 | 50147 | 57950 | 60 |
| 50 | 08065 | 50133 | 49867 | 57932 | 50 |
| 60 | 08327 | 50413 | 49587 | 57914 | 40 |
| 70 | 08590 | 50693 | 49307 | 57896 | 30 |
| 80 | 08852 | 50973 | 49027 | 57879 | 20 |
| 90 | 09114 | 51253 | 48747 | 57861 | 10 |
| **20 oo** | 09376 | 51533 | 48467 | 57843 | **80 oo** |
| | **9.40** | **9.41** | **0.58** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 262 | 280 | 280 | 18 | |

| | 282 | 281 | 280 | 264 | 263 | 262 | 18 | 17 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 28,2 | 28,1 | 28,0 | 26,4 | 26,3 | 26,2 | 1,8 | 1,7 | 1 |
| 2 | 56,4 | 56,2 | 56,0 | 52,8 | 52,6 | 52,4 | 3,6 | 3,4 | 2 |
| 3 | 84,6 | 84,3 | 84,0 | 79,2 | 78,9 | 78,6 | 5,4 | 5,1 | 3 |
| 4 | 112,8 | 112,4 | 112,0 | 105,6 | 105,2 | 104,8 | 7,2 | 6,8 | 4 |
| 5 | 141,0 | 140,5 | 140,0 | 132,0 | 131,5 | 131,0 | 9,0 | 8,5 | 5 |
| 6 | 169,2 | 168,6 | 168,0 | 158,4 | 157,8 | 157,2 | 10,8 | 10,2 | 6 |
| 7 | 197,4 | 196,7 | 196,0 | 184,8 | 184,1 | 183,4 | 12,6 | 11,9 | 7 |
| 8 | 225,6 | 224,8 | 224,0 | 211,2 | 210,4 | 209,6 | 14,4 | 13,6 | 8 |
| 9 | 253,8 | 252,9 | 252,0 | 237,6 | 236,7 | 235,8 | 16,2 | 15,3 | 9 |

| $16^g$ | 263 | 280 | 280 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.40** | **9.41** | **0.58** | **9.98** | |
| **20 oo** | 09376 | 51533 | 48467 | 57843 | **80 oo** |
| 10 | 09639 | 51813 | 48187 | 57825 | 90 |
| 20 | 09901 | 52093 | 47907 | 57808 | 80 |
| 30 | 10163 | 52373 | 47627 | 57790 | 70 |
| 40 | 10425 | 52653 | 47347 | 57772 | 60 |
| 50 | 10688 | 52933 | 47067 | 57754 | 50 |
| 60 | 10950 | 53213 | 46787 | 57737 | 40 |
| 70 | 11212 | 53493 | 46507 | 57719 | 30 |
| 80 | 11474 | 53773 | 46227 | 57701 | 20 |
| 90 | 11736 | 54053 | 45947 | 57683 | 10 |
| **21 oo** | 11998 | 54333 | 45667 | 57666 | **79 oo** |
| 10 | 12260 | 54613 | 45387 | 57648 | 90 |
| 20 | 12523 | 54892 | 45108 | 57630 | 80 |
| 30 | 12785 | 55172 | 44828 | 57612 | 70 |
| 40 | 13047 | 55452 | 44548 | 57595 | 60 |
| 50 | 13309 | 55732 | 44268 | 57577 | 50 |
| 60 | 13571 | 56012 | 43988 | 57559 | 40 |
| 70 | 13833 | 56291 | 43709 | 57541 | 30 |
| 80 | 14095 | 56571 | 43429 | 57524 | 20 |
| 90 | 14357 | 56851 | 43149 | 57506 | 10 |
| **22 oo** | 14619 | 57130 | 42870 | 57488 | **78 oo** |
| 10 | 14880 | 57410 | 42590 | 57470 | 90 |
| 20 | 15142 | 57690 | 42310 | 57453 | 80 |
| 30 | 15404 | 57970 | 42030 | 57435 | 70 |
| 40 | 15666 | 58249 | 41751 | 57417 | 60 |
| 50 | 15928 | 58529 | 41471 | 57399 | 50 |
| 60 | 16190 | 58808 | 41192 | 57381 | 40 |
| 70 | 16452 | 59088 | 40912 | 57364 | 30 |
| 80 | 16713 | 59368 | 40632 | 57346 | 20 |
| 90 | 16975 | 59647 | 40353 | 57328 | 10 |
| **23 oo** | 17237 | 59927 | 40073 | 57310 | **77 oo** |
| 10 | 17499 | 60206 | 39794 | 57293 | 90 |
| 20 | 17761 | 60486 | 39514 | 57275 | 80 |
| 30 | 18022 | 60765 | 39235 | 57257 | 70 |
| 40 | 18284 | 61045 | 38955 | 57239 | 60 |
| 50 | 18546 | 61324 | 38676 | 57221 | 50 |
| 60 | 18807 | 61604 | 38396 | 57204 | 40 |
| 70 | 19069 | 61883 | 38117 | 57186 | 30 |
| 80 | 19331 | 62163 | 37837 | 57168 | 20 |
| 90 | 19592 | 62442 | 37558 | 57150 | 10 |
| **24 oo** | 19854 | 62721 | 37279 | 57132 | **76 oo** |
| 10 | 20115 | 63001 | 36999 | 57115 | 90 |
| 20 | 20377 | 63280 | 36720 | 57097 | 80 |
| 30 | 20639 | 63559 | 36441 | 57079 | 70 |
| 40 | 20900 | 63839 | 36161 | 57061 | 60 |
| 50 | 21162 | 64118 | 35882 | 57044 | 50 |
| 60 | 21423 | 64397 | 35603 | 57026 | 40 |
| 70 | 21685 | 64677 | 35323 | 57008 | 30 |
| 80 | 21946 | 64956 | 35044 | 56990 | 20 |
| 90 | 22208 | 65235 | 34765 | 56972 | 10 |
| **25 oo** | 22469 | 65514 | 34486 | 56955 | **75 oo** |
| | **9.40** | **9.41** | **0.58** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 261 | 279 | 279 | 18 | |

| $16^g$ | 262 | 280 | 280 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.40** | **9.41** | **0.58** | **9.98** | |
| **25 oo** | 22469 | 65514 | 34486 | 56955 | **75 oo** |
| 10 | 22730 | 65794 | 34206 | 56937 | 90 |
| 20 | 22992 | 66073 | 33927 | 56919 | 80 |
| 30 | 23253 | 66352 | 33648 | 56901 | 70 |
| 40 | 23515 | 66631 | 33369 | 56883 | 60 |
| 50 | 23776 | 66910 | 33090 | 56866 | 50 |
| 60 | 24037 | 67190 | 32810 | 56848 | 40 |
| 70 | 24299 | 67469 | 32531 | 56830 | 30 |
| 80 | 24560 | 67748 | 32252 | 56812 | 20 |
| 90 | 24821 | 68027 | 31973 | 56794 | 10 |
| **26 oo** | 25082 | 68306 | 31694 | 56776 | **74 oo** |
| 10 | 25344 | 68585 | 31415 | 56759 | 90 |
| 20 | 25605 | 68864 | 31136 | 56741 | 80 |
| 30 | 25866 | 69143 | 30857 | 56723 | 70 |
| 40 | 26127 | 69422 | 30578 | 56705 | 60 |
| 50 | 26388 | 69701 | 30299 | 56687 | 50 |
| 60 | 26650 | 69980 | 30020 | 56670 | 40 |
| 70 | 26911 | 70259 | 29741 | 56652 | 30 |
| 80 | 27172 | 70538 | 29462 | 56634 | 20 |
| 90 | 27433 | 70817 | 29183 | 56616 | 10 |
| **27 oo** | 27694 | 71096 | 28904 | 56598 | **73 oo** |
| 10 | 27955 | 71375 | 28625 | 56580 | 90 |
| 20 | 28216 | 71654 | 28346 | 56563 | 80 |
| 30 | 28477 | 71933 | 28067 | 56545 | 70 |
| 40 | 28738 | 72211 | 27789 | 56527 | 60 |
| 50 | 28999 | 72490 | 27510 | 56509 | 50 |
| 60 | 29260 | 72769 | 27231 | 56491 | 40 |
| 70 | 29521 | 73048 | 26952 | 56473 | 30 |
| 80 | 29782 | 73327 | 26673 | 56456 | 20 |
| 90 | 30043 | 73606 | 26394 | 56438 | 10 |
| **28 oo** | 30304 | 73884 | 26116 | 56420 | **72 oo** |
| 10 | 30565 | 74163 | 25837 | 56402 | 90 |
| 20 | 30826 | 74442 | 25558 | 56384 | 80 |
| 30 | 31087 | 74720 | 25280 | 56366 | 70 |
| 40 | 31348 | 74999 | 25001 | 56349 | 60 |
| 50 | 31609 | 75278 | 24722 | 56331 | 50 |
| 60 | 31869 | 75557 | 24443 | 56313 | 40 |
| 70 | 32130 | 75835 | 24165 | 56295 | 30 |
| 80 | 32391 | 76114 | 23886 | 56277 | 20 |
| 90 | 32652 | 76392 | 23608 | 56259 | 10 |
| **29 oo** | 32913 | 76671 | 23329 | 56242 | **71 oo** |
| 10 | 33173 | 76950 | 23050 | 56224 | 90 |
| 20 | 33434 | 77228 | 22772 | 56206 | 80 |
| 30 | 33695 | 77507 | 22493 | 56188 | 70 |
| 40 | 33956 | 77785 | 22215 | 56170 | 60 |
| 50 | 34216 | 78064 | 21936 | 56152 | 50 |
| 60 | 34477 | 78342 | 21658 | 56134 | 40 |
| 70 | 34738 | 78621 | 21379 | 56117 | 30 |
| 80 | 34998 | 78899 | 21101 | 56099 | 20 |
| 90 | 35259 | 79178 | 20822 | 56081 | 10 |
| **30 oo** | 35519 | 79456 | 20544 | 56063 | **70 oo** |
| | **9.40** | **9.41** | **0.58** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 260 | 278 | 278 | 18 | |

| | 280 | 279 | 278 | 263 | 262 | 261 | 260 | 18 | 17 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28,0 | 27,9 | 27,8 | 26,3 | 26,2 | 26,1 | 26,0 | 1,8 | 1,7 | 1 |
| 2 | 56,0 | 55,8 | 55,6 | 52,6 | 52,4 | 52,2 | 52,0 | 3,6 | 3,4 | 2 |
| 3 | 84,0 | 83,7 | 83,4 | 78,9 | 78,6 | 78,3 | 78,0 | 5,4 | 5,1 | 3 |
| 4 | 112,0 | 111,6 | 111,2 | 105,2 | 104,8 | 104,4 | 104,0 | 7,2 | 6,8 | 4 |
| 5 | 140,0 | 139,5 | 139,0 | 131,5 | 131,0 | 130,5 | 130,0 | 9,0 | 8,5 | 5 |
| 6 | 168,0 | 167,4 | 166,8 | 157,8 | 157,2 | 156,6 | 156,0 | 10,8 | 10,2 | 6 |
| 7 | 196,0 | 195,3 | 194,6 | 184,1 | 183,4 | 182,7 | 182,0 | 12,6 | 11,9 | 7 |
| 8 | 224,0 | 223,2 | 222,4 | 210,4 | 209,6 | 208,8 | 208,0 | 14,4 | 13,6 | 8 |
| 9 | 252,0 | 251,1 | 250,2 | 236,7 | 235,8 | 234,9 | 234,0 | 16,2 | 15,3 | 9 |

| $16^g$ | 261 | 279 | 279 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.40** | **9.41** | **0.58** | **9.98** | |
| **30 oo** | 35519 | 79456 | 20544 | 56063 | **70 oo** |
| 10 | 35780 | 79735 | 20265 | 56045 | 90 |
| 20 | 36041 | 80013 | 19987 | 56027 | 80 |
| 30 | 36301 | 80292 | 19708 | 56009 | 70 |
| 40 | 36562 | 80570 | 19430 | 55992 | 60 |
| 50 | 36822 | 80848 | 19152 | 55974 | 50 |
| 60 | 37083 | 81127 | 18873 | 55956 | 40 |
| 70 | 37343 | 81405 | 18595 | 55938 | 30 |
| 80 | 37604 | 81683 | 18317 | 55920 | 20 |
| 90 | 37864 | 81962 | 18038 | 55902 | 10 |
| **31 oo** | 38124 | 82240 | 17760 | 55884 | **69 oo** |
| 10 | 38385 | 82518 | 17482 | 55867 | 90 |
| 20 | 38645 | 82797 | 17203 | 55849 | 80 |
| 30 | 38906 | 83075 | 16925 | 55831 | 70 |
| 40 | 39166 | 83353 | 16647 | 55813 | 60 |
| 50 | 39426 | 83631 | 16369 | 55795 | 50 |
| 60 | 39687 | 83910 | 16090 | 55777 | 40 |
| 70 | 39947 | 84188 | 15812 | 55759 | 30 |
| 80 | 40207 | 84466 | 15534 | 55741 | 20 |
| 90 | 40468 | 84744 | 15256 | 55723 | 10 |
| **32 oo** | 40728 | 85022 | 14978 | 55706 | **68 oo** |
| 10 | 40988 | 85300 | 14700 | 55688 | 90 |
| 20 | 41248 | 85578 | 14422 | 55670 | 80 |
| 30 | 41509 | 85857 | 14143 | 55652 | 70 |
| 40 | 41769 | 86135 | 13865 | 55634 | 60 |
| 50 | 42029 | 86413 | 13587 | 55616 | 50 |
| 60 | 42289 | 86691 | 13309 | 55598 | 40 |
| 70 | 42549 | 86969 | 13031 | 55580 | 30 |
| 80 | 42809 | 87247 | 12753 | 55563 | 20 |
| 90 | 43070 | 87525 | 12475 | 55545 | 10 |
| **33 oo** | 43330 | 87803 | 12197 | 55527 | **67 oo** |
| 10 | 43590 | 88081 | 11919 | 55509 | 90 |
| 20 | 43850 | 88359 | 11641 | 55491 | 80 |
| 30 | 44110 | 88637 | 11363 | 55473 | 70 |
| 40 | 44370 | 88915 | 11085 | 55455 | 60 |
| 50 | 44630 | 89193 | 10807 | 55437 | 50 |
| 60 | 44890 | 89470 | 10530 | 55419 | 40 |
| 70 | 45150 | 89748 | 10252 | 55401 | 30 |
| 80 | 45410 | 90026 | 09974 | 55384 | 20 |
| 90 | 45670 | 90304 | 09696 | 55366 | 10 |
| **34 oo** | 45930 | 90582 | 09418 | 55348 | **66 oo** |
| 10 | 46190 | 90860 | 09140 | 55330 | 90 |
| 20 | 46449 | 91138 | 08862 | 55312 | 80 |
| 30 | 46709 | 91415 | 08585 | 55294 | 70 |
| 40 | 46969 | 91693 | 08307 | 55276 | 60 |
| 50 | 47229 | 91971 | 08029 | 55258 | 50 |
| 60 | 47489 | 92249 | 07751 | 55240 | 40 |
| 70 | 47749 | 92526 | 07474 | 55222 | 30 |
| 80 | 48009 | 92804 | 07196 | 55204 | 20 |
| 90 | 48268 | 93082 | 06918 | 55187 | 10 |
| **35 oo** | 48528 | 93359 | 06641 | 55169 | **65 oo** |
| | **9.40** | **9.41** | **0.58** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 259 | 277 | 277 | 18 | |

| $16^g$ | 260 | 278 | 278 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.40** | ***9.41** | ***0.58** | **9.98** | |
| **35 oo** | 48528 | *93359 | *06641 | 55169 | **65 oo** |
| 10 | 48788 | *93637 | *06363 | 55151 | 90 |
| 20 | 49048 | *93915 | *06085 | 55133 | 80 |
| 30 | 49307 | *94192 | *05808 | 55115 | 70 |
| 40 | 49567 | *94470 | *05530 | 55097 | 60 |
| 50 | 49827 | *94748 | *05252 | 55079 | 50 |
| 60 | 50086 | *95025 | *04975 | 55061 | 40 |
| 70 | 50346 | *95303 | *04697 | 55043 | 30 |
| 80 | 50606 | *95580 | *04420 | 55025 | 20 |
| 90 | 50865 | *95858 | *04142 | 55007 | 10 |
| **36 oo** | 51125 | *96135 | *03865 | 54989 | **64 oo** |
| 10 | 51384 | *96413 | *03587 | 54972 | 90 |
| 20 | 51644 | *96690 | *03310 | 54954 | 80 |
| 30 | 51904 | *96968 | *03032 | 54936 | 70 |
| 40 | 52163 | *97245 | *02755 | 54918 | 60 |
| 50 | 52423 | *97523 | *02477 | 54900 | 50 |
| 60 | 52682 | *97800 | *02200 | 54882 | 40 |
| 70 | 52942 | *98078 | *01922 | 54864 | 30 |
| 80 | 53201 | *98355 | *01645 | 54846 | 20 |
| 90 | 53460 | *98632 | *01368 | 54828 | 10 |
| **37 oo** | 53720 | *98910 | *01090 | 54810 | **63 oo** |
| 10 | 53979 | *99187 | *00813 | 54792 | 90 |
| 20 | 54239 | *99465 | *00535 | 54774 | 80 |
| 30 | 54498 | *99742 | *00258 | 54756 | 70 |
| 40 | 54757 | 00019 | 99981 | 54738 | 60 |
| 50 | 55017 | 00296 | 99704 | 54720 | 50 |
| 60 | 55276 | 00574 | 99426 | 54702 | 40 |
| 70 | 55535 | 00851 | 99149 | 54685 | 30 |
| 80 | 55795 | 01128 | 98872 | 54667 | 20 |
| 90 | 56054 | 01405 | 98595 | 54649 | 10 |
| **38 oo** | 56313 | 01683 | 98317 | 54631 | **62 oo** |
| 10 | 56573 | 01960 | 98040 | 54613 | 90 |
| 20 | 56832 | 02237 | 97763 | 54595 | 80 |
| 30 | 57091 | 02514 | 97486 | 54577 | 70 |
| 40 | 57350 | 02791 | 97209 | 54559 | 60 |
| 50 | 57609 | 03069 | 96931 | 54541 | 50 |
| 60 | 57869 | 03346 | 96654 | 54523 | 40 |
| 70 | 58128 | 03623 | 96377 | 54505 | 30 |
| 80 | 58387 | 03900 | 96100 | 54487 | 20 |
| 90 | 58646 | 04177 | 95823 | 54469 | 10 |
| **39 oo** | 58905 | 04454 | 95546 | 54451 | **61 oo** |
| 10 | 59164 | 04731 | 95269 | 54433 | 90 |
| 20 | 59423 | 05008 | 94992 | 54415 | 80 |
| 30 | 59682 | 05285 | 94715 | 54397 | 70 |
| 40 | 59941 | 05562 | 94438 | 54379 | 60 |
| 50 | 60200 | 05839 | 94161 | 54361 | 50 |
| 60 | 60459 | 06116 | 93884 | 54343 | 40 |
| 70 | 60718 | 06393 | 93607 | 54325 | 30 |
| 80 | 60977 | 06670 | 93330 | 54307 | 20 |
| 90 | 61236 | 06947 | 93053 | 54289 | 10 |
| **40 oo** | 61495 | 07224 | 92776 | 54271 | **60 oo** |
| | **9.40** | **9.42** | **0.57** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 259 | 277 | 277 | 18 | |

| | 279 | 278 | 277 | 261 | 260 | 259 | 18 | 17 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 27,9 | 27,8 | 27,7 | 26,1 | 26,0 | 25,9 | 1,8 | 1,7 | 1 |
| 2 | 55,8 | 55,6 | 55,4 | 52,2 | 52,0 | 51,8 | 3,6 | 3,4 | 2 |
| 3 | 83,7 | 83,4 | 83,1 | 78,3 | 78,0 | 77,7 | 5,4 | 5,1 | 3 |
| 4 | 111,6 | 111,2 | 110,8 | 104,4 | 104,0 | 103,6 | 7,2 | 6,8 | 4 |
| 5 | 139,5 | 139,0 | 138,5 | 130,5 | 130,0 | 129,5 | 9,0 | 8,5 | 5 |
| 6 | 167,4 | 166,8 | 166,2 | 156,6 | 156,0 | 155,4 | 10,8 | 10,2 | 6 |
| 7 | 195,3 | 194,6 | 193,9 | 182,7 | 182,0 | 181,3 | 12,6 | 11,9 | 7 |
| 8 | 223,2 | 222,4 | 221,6 | 208,8 | 208,0 | 207,2 | 14,4 | 13,6 | 8 |
| 9 | 251,1 | 250,2 | 249,3 | 234,9 | 234,0 | 233,1 | 16,2 | 15,3 | 9 |

| 16g | 259 | 277 | 277 | 17 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.40** | **9.42** | **0.57** | **9.98** | |
| **40 oo** | 61495 | 07224 | 92776 | 54271 | **60 oo** |
| 10 | 61754 | 07501 | 92499 | 54253 | 90 |
| 20 | 62013 | 07778 | 92222 | 54235 | 80 |
| 30 | 62272 | 08054 | 91946 | 54217 | 70 |
| 40 | 62531 | 08331 | 91669 | 54200 | 60 |
| 50 | 62790 | 08608 | 91392 | 54182 | 50 |
| 60 | 63049 | 08885 | 91115 | 54164 | 40 |
| 70 | 63307 | 09162 | 90838 | 54146 | 30 |
| 80 | 63566 | 09439 | 90561 | 54128 | 20 |
| 90 | 63825 | 09715 | 90285 | 54110 | 10 |
| **41 oo** | 64084 | 09992 | 90008 | 54092 | **59 oo** |
| 10 | 64342 | 10269 | 89731 | 54074 | 90 |
| 20 | 64601 | 10546 | 89454 | 54056 | 80 |
| 30 | 64860 | 10822 | 89178 | 54038 | 70 |
| 40 | 65119 | 11099 | 88901 | 54020 | 60 |
| 50 | 65377 | 11376 | 88624 | 54002 | 50 |
| 60 | 65636 | 11652 | 88348 | 53984 | 40 |
| 70 | 65895 | 11929 | 88071 | 53966 | 30 |
| 80 | 66153 | 12206 | 87794 | 53948 | 20 |
| 90 | 66412 | 12482 | 87518 | 53930 | 10 |
| **42 oo** | 66671 | 12759 | 87241 | 53912 | **58 oo** |
| 10 | 66929 | 13035 | 86965 | 53894 | 90 |
| 20 | 67188 | 13312 | 86688 | 53876 | 80 |
| 30 | 67446 | 13589 | 86411 | 53858 | 70 |
| 40 | 67705 | 13865 | 86135 | 53840 | 60 |
| 50 | 67963 | 14142 | 85858 | 53822 | 50 |
| 60 | 68222 | 14418 | 85582 | 53804 | 40 |
| 70 | 68480 | 14695 | 85305 | 53786 | 30 |
| 80 | 68739 | 14971 | 85029 | 53768 | 20 |
| 90 | 68997 | 15248 | 84752 | 53750 | 10 |
| **43 oo** | 69256 | 15524 | 84476 | 53732 | **57 oo** |
| 10 | 69514 | 15800 | 84200 | 53714 | 90 |
| 20 | 69773 | 16077 | 83923 | 53696 | 80 |
| 30 | 70031 | 16353 | 83647 | 53678 | 70 |
| 40 | 70289 | 16630 | 83370 | 53660 | 60 |
| 50 | 70548 | 16906 | 83094 | 53642 | 50 |
| 60 | 70806 | 17182 | 82818 | 53624 | 40 |
| 70 | 71064 | 17459 | 82541 | 53606 | 30 |
| 80 | 71323 | 17735 | 82265 | 53588 | 20 |
| 90 | 71581 | 18011 | 81989 | 53570 | 10 |
| **44 oo** | 71839 | 18288 | 81712 | 53552 | **56 oo** |
| 10 | 72098 | 18564 | 81436 | 53534 | 90 |
| 20 | 72356 | 18840 | 81160 | 53516 | 80 |
| 30 | 72614 | 19116 | 80884 | 53498 | 70 |
| 40 | 72872 | 19393 | 80607 | 53479 | 60 |
| 50 | 73130 | 19669 | 80331 | 53461 | 50 |
| 60 | 73389 | 19945 | 80055 | 53443 | 40 |
| 70 | 73647 | 20221 | 79779 | 53425 | 30 |
| 80 | 73905 | 20497 | 79503 | 53407 | 20 |
| 90 | 74163 | 20774 | 79226 | 53389 | 10 |
| **45 oo** | 74421 | 21050 | 78950 | 53371 | **55 oo** |
| | **9.40** | **9.42** | **0.57** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 83g |
| | 258 | 276 | 276 | 19 | |

| 16g | 258 | 276 | 276 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.40** | **9.42** | **0.57** | **9.98** | |
| **45 oo** | 74421 | 21050 | 78950 | 53371 | **55 oo** |
| 10 | 74679 | 21326 | 78674 | 53353 | 90 |
| 20 | 74937 | 21602 | 78398 | 53335 | 80 |
| 30 | 75195 | 21878 | 78122 | 53317 | 70 |
| 40 | 75453 | 22154 | 77846 | 53299 | 60 |
| 50 | 75711 | 22430 | 77570 | 53281 | 50 |
| 60 | 75969 | 22706 | 77294 | 53263 | 40 |
| 70 | 76227 | 22982 | 77018 | 53245 | 30 |
| 80 | 76485 | 23258 | 76742 | 53227 | 20 |
| 90 | 76743 | 23534 | 76466 | 53209 | 10 |
| **46 oo** | 77001 | 23810 | 76190 | 53191 | **54 oo** |
| 10 | 77259 | 24086 | 75914 | 53173 | 90 |
| 20 | 77517 | 24362 | 75638 | 53155 | 80 |
| 30 | 77775 | 24638 | 75362 | 53137 | 70 |
| 40 | 78033 | 24914 | 75086 | 53119 | 60 |
| 50 | 78291 | 25190 | 74810 | 53101 | 50 |
| 60 | 78549 | 25466 | 74534 | 53083 | 40 |
| 70 | 78807 | 25742 | 74258 | 53065 | 30 |
| 80 | 79064 | 26018 | 73982 | 53047 | 20 |
| 90 | 79322 | 26294 | 73706 | 53029 | 10 |
| **47 oo** | 79580 | 26569 | 73431 | 53010 | **53 oo** |
| 10 | 79838 | 26845 | 73155 | 52992 | 90 |
| 20 | 80096 | 27121 | 72879 | 52974 | 80 |
| 30 | 80353 | 27397 | 72603 | 52956 | 70 |
| 40 | 80611 | 27673 | 72327 | 52938 | 60 |
| 50 | 80869 | 27948 | 72052 | 52920 | 50 |
| 60 | 81126 | 28224 | 71776 | 52902 | 40 |
| 70 | 81384 | 28500 | 71500 | 52884 | 30 |
| 80 | 81642 | 28776 | 71224 | 52866 | 20 |
| 90 | 81899 | 29051 | 70949 | 52848 | 10 |
| **48 oo** | 82157 | 29327 | 70673 | 52830 | **52 oo** |
| 10 | 82415 | 29603 | 70397 | 52812 | 90 |
| 20 | 82672 | 29878 | 70122 | 52794 | 80 |
| 30 | 82930 | 30154 | 69846 | 52776 | 70 |
| 40 | 83187 | 30430 | 69570 | 52758 | 60 |
| 50 | 83445 | 30705 | 69295 | 52740 | 50 |
| 60 | 83702 | 30981 | 69019 | 52721 | 40 |
| 70 | 83960 | 31256 | 68744 | 52703 | 30 |
| 80 | 84217 | 31532 | 68468 | 52685 | 20 |
| 90 | 84475 | 31808 | 68192 | 52667 | 10 |
| **49 oo** | 84732 | 32083 | 67917 | 52649 | **51 oo** |
| 10 | 84990 | 32359 | 67641 | 52631 | 90 |
| 20 | 85247 | 32634 | 67366 | 52613 | 80 |
| 30 | 85505 | 32910 | 67090 | 52595 | 70 |
| 40 | 85762 | 33185 | 66815 | 52577 | 60 |
| 50 | 86019 | 33461 | 66539 | 52559 | 50 |
| 60 | 86277 | 33736 | 66264 | 52541 | 40 |
| 70 | 86534 | 34011 | 65989 | 52523 | 30 |
| 80 | 86791 | 34287 | 65713 | 52505 | 20 |
| 90 | 87049 | 34562 | 65438 | 52486 | 10 |
| **50 oo** | 87306 | 34838 | 65162 | 52468 | **50 oo** |
| | **9.40** | **9.42** | **0.57** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 83g |
| | 257 | 275 | 275 | 19 | |

| | 277 | 276 | 275 | 259 | 258 | 257 | 19 | 18 | 17 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 27,7 | 27,6 | 27,5 | 25,9 | 25,8 | 25,7 | 1,9 | 1,8 | 1,7 | 1 |
| 2 | 55,4 | 55,2 | 55,0 | 51,8 | 51,6 | 51,4 | 3,8 | 3,6 | 3,4 | 2 |
| 3 | 83,1 | 82,8 | 82,5 | 77,7 | 77,4 | 77,1 | 5,7 | 5,4 | 5,1 | 3 |
| 4 | 110,8 | 110,4 | 110,0 | 103,6 | 103,2 | 102,8 | 7,6 | 7,2 | 6,8 | 4 |
| 5 | 138,5 | 138,0 | 137,5 | 129,5 | 129,0 | 128,5 | 9,5 | 9,0 | 8,5 | 5 |
| 6 | 166,2 | 165,6 | 165,0 | 155,4 | 154,8 | 154,2 | 11,4 | 10,8 | 10,2 | 6 |
| 7 | 193,9 | 193,2 | 192,5 | 181,3 | 180,6 | 179,9 | 13,3 | 12,6 | 11,9 | 7 |
| 8 | 221,6 | 220,8 | 220,0 | 207,2 | 206,4 | 205,6 | 15,2 | 14,4 | 13,6 | 8 |
| 9 | 249,3 | 248,4 | 247,5 | 233,1 | 232,2 | 231,3 | 17,1 | 16,2 | 15,3 | 9 |

| $16^g$ | 258 | 276 | 276 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.40** | **9.42** | **0.57** | **9.98** | |
| **50 oo** | 87306 | 34838 | 65162 | 52468 | **50 oo** |
| 10 | 87563 | 35113 | 64887 | 52450 | 90 |
| 20 | 87821 | 35388 | 64612 | 52432 | 80 |
| 30 | 88078 | 35664 | 64336 | 52414 | 70 |
| 40 | 88335 | 35939 | 64061 | 52396 | 60 |
| 50 | 88592 | 36214 | 63786 | 52378 | 50 |
| 60 | 88849 | 36490 | 63510 | 52360 | 40 |
| 70 | 89107 | 36765 | 63235 | 52342 | 30 |
| 80 | 89364 | 37040 | 62960 | 52324 | 20 |
| 90 | 89621 | 37315 | 62685 | 52306 | 10 |
| **51 oo** | 89878 | 37591 | 62409 | 52287 | **49 oo** |
| 10 | 90135 | 37866 | 62134 | 52269 | 90 |
| 20 | 90392 | 38141 | 61859 | 52251 | 80 |
| 30 | 90649 | 38416 | 61584 | 52233 | 70 |
| 40 | 90906 | 38691 | 61309 | 52215 | 60 |
| 50 | 91163 | 38967 | 61033 | 52197 | 50 |
| 60 | 91421 | 39242 | 60758 | 52179 | 40 |
| 70 | 91678 | 39517 | 60483 | 52161 | 30 |
| 80 | 91935 | 39792 | 60208 | 52143 | 20 |
| 90 | 92192 | 40067 | 59933 | 52124 | 10 |
| **52 oo** | 92448 | 40342 | 59658 | 52106 | **48 oo** |
| 10 | 92705 | 40617 | 59383 | 52088 | 90 |
| 20 | 92962 | 40892 | 59108 | 52070 | 80 |
| 30 | 93219 | 41167 | 58833 | 52052 | 70 |
| 40 | 93476 | 41442 | 58558 | 52034 | 60 |
| 50 | 93733 | 41717 | 58283 | 52016 | 50 |
| 60 | 93990 | 41992 | 58008 | 51998 | 40 |
| 70 | 94247 | 42267 | 57733 | 51980 | 30 |
| 80 | 94504 | 42542 | 57458 | 51961 | 20 |
| 90 | 94761 | 42817 | 57183 | 51943 | 10 |
| **53 oo** | 95017 | 43092 | 56908 | 51925 | **47 oo** |
| 10 | 95274 | 43367 | 56633 | 51907 | 90 |
| 20 | 95531 | 43642 | 56358 | 51889 | 80 |
| 30 | 95788 | 43917 | 56083 | 51871 | 70 |
| 40 | 96044 | 44192 | 55808 | 51853 | 60 |
| 50 | 96301 | 44467 | 55533 | 51835 | 50 |
| 60 | 96558 | 44741 | 55259 | 51816 | 40 |
| 70 | 96815 | 45016 | 54984 | 51798 | 30 |
| 80 | 97071 | 45291 | 54709 | 51780 | 20 |
| 90 | 97328 | 45566 | 54434 | 51762 | 10 |
| **54 oo** | 97584 | 45841 | 54159 | 51744 | **46 oo** |
| 10 | 97841 | 46115 | 53885 | 51726 | 90 |
| 20 | 98098 | 46390 | 53610 | 51708 | 80 |
| 30 | 98354 | 46665 | 53335 | 51690 | 70 |
| 40 | 98611 | 46940 | 53060 | 51671 | 60 |
| 50 | 98867 | 47214 | 52786 | 51653 | 50 |
| 60 | 99124 | 47489 | 52511 | 51635 | 40 |
| 70 | 99381 | 47764 | 52236 | 51617 | 30 |
| 80 | 99637 | 48038 | 51962 | 51599 | 20 |
| 90 | 99894 | 48313 | 51687 | 51581 | 10 |
| **55 oo** | *00150 | 48588 | 51412 | 51563 | **45 oo** |
| | ***9.41** | **9.42** | **0.57** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 256 | 274 | 274 | 19 | |

| $16^g$ | 257 | 275 | 275 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.41** | **9.42** | **0.57** | **9.98** | |
| **55 oo** | 00150 | 48588 | 51412 | 51563 | **45 oo** |
| 10 | 00407 | 48862 | 51138 | 51544 | 90 |
| 20 | 00663 | 49137 | 50863 | 51526 | 80 |
| 30 | 00919 | 49411 | 50589 | 51508 | 70 |
| 40 | 01176 | 49686 | 50314 | 51490 | 60 |
| 50 | 01432 | 49960 | 50040 | 51472 | 50 |
| 60 | 01689 | 50235 | 49765 | 51454 | 40 |
| 70 | 01945 | 50509 | 49491 | 51435 | 30 |
| 80 | 02201 | 50784 | 49216 | 51417 | 20 |
| 90 | 02458 | 51058 | 48942 | 51399 | 10 |
| **56 oo** | 02714 | 51333 | 48667 | 51381 | **44 oo** |
| 10 | 02970 | 51607 | 48393 | 51363 | 90 |
| 20 | 03227 | 51882 | 48118 | 51345 | 80 |
| 30 | 03483 | 52156 | 47844 | 51327 | 70 |
| 40 | 03739 | 52431 | 47569 | 51308 | 60 |
| 50 | 03995 | 52705 | 47295 | 51290 | 50 |
| 60 | 04252 | 52980 | 47020 | 51272 | 40 |
| 70 | 04508 | 53254 | 46746 | 51254 | 30 |
| 80 | 04764 | 53528 | 46472 | 51236 | 20 |
| 90 | 05020 | 53803 | 46197 | 51218 | 10 |
| **57 oo** | 05276 | 54077 | 45923 | 51199 | **43 oo** |
| 10 | 05532 | 54351 | 45649 | 51181 | 90 |
| 20 | 05789 | 54626 | 45374 | 51163 | 80 |
| 30 | 06045 | 54900 | 45100 | 51145 | 70 |
| 40 | 06301 | 55174 | 44826 | 51127 | 60 |
| 50 | 06557 | 55448 | 44552 | 51109 | 50 |
| 60 | 06813 | 55723 | 44277 | 51090 | 40 |
| 70 | 07069 | 55997 | 44003 | 51072 | 30 |
| 80 | 07325 | 56271 | 43729 | 51054 | 20 |
| 90 | 07581 | 56545 | 43455 | 51036 | 10 |
| **58 oo** | 07837 | 56819 | 43181 | 51018 | **42 oo** |
| 10 | 08093 | 57094 | 42906 | 50999 | 90 |
| 20 | 08349 | 57368 | 42632 | 50981 | 80 |
| 30 | 08605 | 57642 | 42358 | 50963 | 70 |
| 40 | 08861 | 57916 | 42084 | 50945 | 60 |
| 50 | 09117 | 58190 | 41810 | 50927 | 50 |
| 60 | 09373 | 58464 | 41536 | 50909 | 40 |
| 70 | 09629 | 58738 | 41262 | 50890 | 30 |
| 80 | 09884 | 59012 | 40988 | 50872 | 20 |
| 90 | 10140 | 59286 | 40714 | 50854 | 10 |
| **59 oo** | 10396 | 59560 | 40440 | 50836 | **41 oo** |
| 10 | 10652 | 59834 | 40166 | 50818 | 90 |
| 20 | 10908 | 60108 | 39892 | 50799 | 80 |
| 30 | 11164 | 60382 | 39618 | 50781 | 70 |
| 40 | 11419 | 60656 | 39344 | 50763 | 60 |
| 50 | 11675 | 60930 | 39070 | 50745 | 50 |
| 60 | 11931 | 61204 | 38796 | 50727 | 40 |
| 70 | 12187 | 61478 | 38522 | 50708 | 30 |
| 80 | 12442 | 61752 | 38248 | 50690 | 20 |
| 90 | 12698 | 62026 | 37974 | 50672 | 10 |
| **60 oo** | 12954 | 62300 | 37700 | 50654 | **40 oo** |
| | **9.41** | **9.42** | **0.57** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 255 | 274 | 274 | 19 | |

| | 276 | 275 | 274 | 258 | 257 | 256 | 255 | 19 | 18 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 27,6 | 27,5 | 27,4 | 25,8 | 25,7 | 25,6 | 25,5 | 1,9 | 1,8 | 1 |
| 2 | 55,2 | 55,0 | 54,8 | 51,6 | 51,4 | 51,2 | 51,0 | 3,8 | 3,6 | 2 |
| 3 | 82,8 | 82,5 | 82,2 | 77,4 | 77,1 | 76,8 | 76,5 | 5,7 | 5,4 | 3 |
| 4 | 110,4 | 110,0 | 109,6 | 103,2 | 102,8 | 102,4 | 102,0 | 7,6 | 7,2 | 4 |
| 5 | 138,0 | 137,5 | 137,0 | 129,0 | 128,5 | 128,0 | 127,5 | 9,5 | 9,0 | 5 |
| 6 | 165,6 | 165,0 | 164,4 | 154,8 | 154,2 | 153,6 | 153,0 | 11,4 | 10,8 | 6 |
| 7 | 193,2 | 192,5 | 191,8 | 180,6 | 179,9 | 179,2 | 178,5 | 13,3 | 12,6 | 7 |
| 8 | 220,8 | 220,0 | 219,2 | 206,4 | 205,6 | 204,8 | 204,0 | 15,2 | 14,4 | 8 |
| 9 | 248,4 | 247,5 | 246,6 | 232,2 | 231,3 | 230,4 | 229,5 | 17,1 | 16,2 | 9 |

| $16^g$ | 256 | 274 | 274 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.41** | **9.42** | **0.57** | **9.98** | |
| **60 oo** | 12954 | 62300 | 37700 | 50654 | **40 oo** |
| 10 | 13209 | 62574 | 37426 | 50636 | 90 |
| 20 | 13465 | 62847 | 37153 | 50617 | 80 |
| 30 | 13721 | 63121 | 36879 | 50599 | 70 |
| 40 | 13976 | 63395 | 36605 | 50581 | 60 |
| 50 | 14232 | 63669 | 36331 | 50563 | 50 |
| 60 | 14487 | 63943 | 36057 | 50545 | 40 |
| 70 | 14743 | 64216 | 35784 | 50526 | 30 |
| 80 | 14998 | 64490 | 35510 | 50508 | 20 |
| 90 | 15254 | 64764 | 35236 | 50490 | 10 |
| **61 oo** | 15509 | 65038 | 34962 | 50472 | **39 oo** |
| 10 | 15765 | 65311 | 34689 | 50454 | 90 |
| 20 | 16020 | 65585 | 34415 | 50435 | 80 |
| 30 | 16276 | 65859 | 34141 | 50417 | 70 |
| 40 | 16531 | 66132 | 33868 | 50399 | 60 |
| 50 | 16787 | 66406 | 33594 | 50381 | 50 |
| 60 | 17042 | 66680 | 33320 | 50362 | 40 |
| 70 | 17298 | 66953 | 33047 | 50344 | 30 |
| 80 | 17553 | 67227 | 32773 | 50326 | 20 |
| 90 | 17808 | 67501 | 32499 | 50308 | 10 |
| **62 oo** | 18064 | 67774 | 32226 | 50290 | **38 oo** |
| 10 | 18319 | 68048 | 31952 | 50271 | 90 |
| 20 | 18574 | 68321 | 31679 | 50253 | 80 |
| 30 | 18830 | 68595 | 31405 | 50235 | 70 |
| 40 | 19085 | 68868 | 31132 | 50217 | 60 |
| 50 | 19340 | 69142 | 30858 | 50198 | 50 |
| 60 | 19595 | 69415 | 30585 | 50180 | 40 |
| 70 | 19851 | 69689 | 30311 | 50162 | 30 |
| 80 | 20106 | 69962 | 30038 | 50144 | 20 |
| 90 | 20361 | 70236 | 29764 | 50125 | 10 |
| **63 oo** | 20616 | 70509 | 29491 | 50107 | **37 oo** |
| 10 | 20872 | 70783 | 29217 | 50089 | 90 |
| 20 | 21127 | 71056 | 28944 | 50071 | 80 |
| 30 | 21382 | 71329 | 28671 | 50053 | 70 |
| 40 | 21637 | 71603 | 28397 | 50034 | 60 |
| 50 | 21892 | 71876 | 28124 | 50016 | 50 |
| 60 | 22147 | 72149 | 27851 | 49998 | 40 |
| 70 | 22402 | 72423 | 27577 | 49980 | 30 |
| 80 | 22657 | 72696 | 27304 | 49961 | 20 |
| 90 | 22912 | 72969 | 27031 | 49943 | 10 |
| **64 oo** | 23167 | 73243 | 26757 | 49925 | **36 oo** |
| 10 | 23422 | 73516 | 26484 | 49907 | 90 |
| 20 | 23677 | 73789 | 26211 | 49888 | 80 |
| 30 | 23932 | 74062 | 25938 | 49870 | 70 |
| 40 | 24187 | 74336 | 25664 | 49852 | 60 |
| 50 | 24442 | 74609 | 25391 | 49834 | 50 |
| 60 | 24697 | 74882 | 25118 | 49815 | 40 |
| 70 | 24952 | 75155 | 24845 | 49797 | 30 |
| 80 | 25207 | 75428 | 24572 | 49779 | 20 |
| 90 | 25462 | 75701 | 24299 | 49761 | 10 |
| **65 oo** | 25717 | 75975 | 24025 | 49742 | **35 oo** |
| | **9.41** | **9.42** | **0.57** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 255 | 273 | 273 | 19 | |

| $16^g$ | 255 | 273 | 273 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.41** | **9.42** | **0.57** | **9.98** | |
| **65 oo** | 25717 | 75975 | 24025 | 49742 | **35 oo** |
| 10 | 25972 | 76248 | 23752 | 49724 | 90 |
| 20 | 26227 | 76521 | 23479 | 49706 | 80 |
| 30 | 26481 | 76794 | 23206 | 49687 | 70 |
| 40 | 26736 | 77067 | 22933 | 49669 | 60 |
| 50 | 26991 | 77340 | 22660 | 49651 | 50 |
| 60 | 27246 | 77613 | 22387 | 49633 | 40 |
| 70 | 27500 | 77886 | 22114 | 49614 | 30 |
| 80 | 27755 | 78159 | 21841 | 49596 | 20 |
| 90 | 28010 | 78432 | 21568 | 49578 | 10 |
| **66 oo** | 28265 | 78705 | 21295 | 49560 | **34 oo** |
| 10 | 28519 | 78978 | 21022 | 49541 | 90 |
| 20 | 28774 | 79251 | 20749 | 49523 | 80 |
| 30 | 29029 | 79524 | 20476 | 49505 | 70 |
| 40 | 29283 | 79797 | 20203 | 49487 | 60 |
| 50 | 29538 | 80070 | 19930 | 49468 | 50 |
| 60 | 29793 | 80343 | 19657 | 49450 | 40 |
| 70 | 30047 | 80615 | 19385 | 49432 | 30 |
| 80 | 30302 | 80888 | 19112 | 49413 | 20 |
| 90 | 30556 | 81161 | 18839 | 49395 | 10 |
| **67 oo** | 30811 | 81434 | 18566 | 49377 | **33 oo** |
| 10 | 31065 | 81707 | 18293 | 49359 | 90 |
| 20 | 31320 | 81980 | 18020 | 49340 | 80 |
| 30 | 31574 | 82252 | 17748 | 49322 | 70 |
| 40 | 31829 | 82525 | 17475 | 49304 | 60 |
| 50 | 32083 | 82798 | 17202 | 49285 | 50 |
| 60 | 32338 | 83071 | 16929 | 49267 | 40 |
| 70 | 32592 | 83343 | 16657 | 49249 | 30 |
| 80 | 32847 | 83616 | 16384 | 49231 | 20 |
| 90 | 33101 | 83889 | 16111 | 49212 | 10 |
| **68 oo** | 33355 | 84162 | 15838 | 49194 | **32 oo** |
| 10 | 33610 | 84434 | 15566 | 49176 | 90 |
| 20 | 33864 | 84707 | 15293 | 49157 | 80 |
| 30 | 34119 | 84980 | 15020 | 49139 | 70 |
| 40 | 34373 | 85252 | 14748 | 49121 | 60 |
| 50 | 34627 | 85525 | 14475 | 49102 | 50 |
| 60 | 34882 | 85797 | 14203 | 49084 | 40 |
| 70 | 35136 | 86070 | 13930 | 49066 | 30 |
| 80 | 35390 | 86342 | 13658 | 49048 | 20 |
| 90 | 35644 | 86615 | 13385 | 49029 | 10 |
| **69 oo** | 35899 | 86888 | 13112 | 49011 | **31 oo** |
| 10 | 36153 | 87160 | 12840 | 48993 | 90 |
| 20 | 36407 | 87433 | 12567 | 48974 | 80 |
| 30 | 36661 | 87705 | 12295 | 48956 | 70 |
| 40 | 36915 | 87978 | 12022 | 48938 | 60 |
| 50 | 37169 | 88250 | 11750 | 48919 | 50 |
| 60 | 37424 | 88522 | 11478 | 48901 | 40 |
| 70 | 37678 | 88795 | 11205 | 48883 | 30 |
| 80 | 37932 | 89067 | 10933 | 48864 | 20 |
| 90 | 38186 | 89340 | 10660 | 48846 | 10 |
| **70 oo** | 38440 | 89612 | 10388 | 48828 | **30 oo** |
| | **9.41** | **9.42** | **0.57** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 254 | 272 | 272 | 19 | |

| | 274 | 273 | 272 | 256 | 255 | 254 | 19 | 18 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 27,4 | 27,3 | 27,2 | 25,6 | 25,5 | 25,4 | 1,9 | 1,8 | 1 |
| 2 | 54,8 | 54,6 | 54,4 | 51,2 | 51,0 | 50,8 | 3,8 | 3,6 | 2 |
| 3 | 82,2 | 81,9 | 81,6 | 76,8 | 76,5 | 76,2 | 5,7 | 5,4 | 3 |
| 4 | 109,6 | 109,2 | 108,8 | 102,4 | 102,0 | 101,6 | 7,6 | 7,2 | 4 |
| 5 | 137,0 | 136,5 | 136,0 | 128,0 | 127,5 | 127,0 | 9,5 | 9,0 | 5 |
| 6 | 164,4 | 163,8 | 163,2 | 153,6 | 153,0 | 152,4 | 11,4 | 10,8 | 6 |
| 7 | 191,8 | 191,1 | 190,4 | 179,2 | 178,5 | 177,8 | 13,3 | 12,6 | 7 |
| 8 | 219,2 | 218,4 | 217,6 | 204,8 | 204,0 | 203,2 | 15,2 | 14,4 | 8 |
| 9 | 246,6 | 245,7 | 244,8 | 230,4 | 229,5 | 228,6 | 17,1 | 16,2 | 9 |

| $16^g$ | 254 | 273 | 273 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.41** | **9.42** | **0.57** | **9.98** | |
| **70 oo** | 38440 | 89612 | 10388 | 48828 | **30 oo** |
| 10 | 38694 | 89885 | 10115 | 48810 | 90 |
| 20 | 38948 | 90157 | 09843 | 48791 | 80 |
| 30 | 39202 | 90429 | 09571 | 48773 | 70 |
| 40 | 39456 | 90702 | 09298 | 48755 | 60 |
| 50 | 39710 | 90974 | 09026 | 48736 | 50 |
| 60 | 39964 | 91246 | 08754 | 48718 | 40 |
| 70 | 40218 | 91518 | 08482 | 48700 | 30 |
| 80 | 40472 | 91791 | 08209 | 48681 | 20 |
| 90 | 40726 | 92063 | 07937 | 48663 | 10 |
| **71 oo** | 40980 | 92335 | 07665 | 48645 | **29 oo** |
| 10 | 41234 | 92607 | 07393 | 48626 | 90 |
| 20 | 41488 | 92880 | 07120 | 48608 | 80 |
| 30 | 41741 | 93152 | 06848 | 48590 | 70 |
| 40 | 41995 | 93424 | 06576 | 48571 | 60 |
| 50 | 42249 | 93696 | 06304 | 48553 | 50 |
| 60 | 42503 | 93968 | 06032 | 48535 | 40 |
| 70 | 42757 | 94240 | 05760 | 48516 | 30 |
| 80 | 43011 | 94513 | 05487 | 48498 | 20 |
| 90 | 43264 | 94785 | 05215 | 48480 | 10 |
| **72 oo** | 43518 | 95057 | 04943 | 48461 | **28 oo** |
| 10 | 43772 | 95329 | 04671 | 48443 | 90 |
| 20 | 44026 | 95601 | 04399 | 48425 | 80 |
| 30 | 44279 | 95873 | 04127 | 48406 | 70 |
| 40 | 44533 | 96145 | 03855 | 48388 | 60 |
| 50 | 44787 | 96417 | 03583 | 48370 | 50 |
| 60 | 45040 | 96689 | 03311 | 48351 | 40 |
| 70 | 45294 | 96961 | 03039 | 48333 | 30 |
| 80 | 45548 | 97233 | 02767 | 48314 | 20 |
| 90 | 45801 | 97505 | 02495 | 48296 | 10 |
| **73 oo** | 46055 | 97777 | 02223 | 48278 | **27 oo** |
| 10 | 46308 | 98049 | 01951 | 48259 | 90 |
| 20 | 46562 | 98321 | 01679 | 48241 | 80 |
| 30 | 46815 | 98593 | 01407 | 48223 | 70 |
| 40 | 47069 | 98865 | 01135 | 48204 | 60 |
| 50 | 47322 | 99136 | 00864 | 48186 | 50 |
| 60 | 47576 | 99408 | 00592 | 48168 | 40 |
| 70 | 47829 | 99680 | 00320 | 48149 | 30 |
| 80 | 48083 | 99952 | 00048 | 48131 | 20 |
| 90 | 48336 | *00224 | *99776 | 48113 | 10 |
| **74 oo** | 48590 | *00496 | *99504 | 48094 | **26 oo** |
| 10 | 48843 | *00767 | *99233 | 48076 | 90 |
| 20 | 49097 | *01039 | *98961 | 48057 | 80 |
| 30 | 49350 | *01311 | *98689 | 48039 | 70 |
| 40 | 49603 | *01583 | *98417 | 48021 | 60 |
| 50 | 49857 | *01854 | *98146 | 48002 | 50 |
| 60 | 50110 | *02126 | *97874 | 47984 | 40 |
| 70 | 50363 | *02398 | *97602 | 47966 | 30 |
| 80 | 50617 | *02669 | *97331 | 47947 | 20 |
| 90 | 50870 | *02941 | *97059 | 47929 | 10 |
| **75 oo** | 51123 | *03213 | *96787 | 47911 | **25 oo** |
| | **9.41** | ***9.43** | ***0.56** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 253 | 271 | 271 | 19 | |

| $16^g$ | 254 | 272 | 272 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.41** | **9.43** | **0.56** | **9.98** | |
| **75 oo** | 51123 | 03213 | 96787 | 47911 | **25 oo** |
| 10 | 51377 | 03484 | 96516 | 47892 | 90 |
| 20 | 51630 | 03756 | 96244 | 47874 | 80 |
| 30 | 51883 | 04028 | 95972 | 47855 | 70 |
| 40 | 52136 | 04299 | 95701 | 47837 | 60 |
| 50 | 52389 | 04571 | 95429 | 47819 | 50 |
| 60 | 52643 | 04842 | 95158 | 47800 | 40 |
| 70 | 52896 | 05114 | 94886 | 47782 | 30 |
| 80 | 53149 | 05385 | 94615 | 47763 | 20 |
| 90 | 53402 | 05657 | 94343 | 47745 | 10 |
| **76 oo** | 53655 | 05928 | 94072 | 47727 | **24 oo** |
| 10 | 53908 | 06200 | 93800 | 47708 | 90 |
| 20 | 54161 | 06471 | 93529 | 47690 | 80 |
| 30 | 54414 | 06743 | 93257 | 47672 | 70 |
| 40 | 54668 | 07014 | 92986 | 47653 | 60 |
| 50 | 54921 | 07286 | 92714 | 47635 | 50 |
| 60 | 55174 | 07557 | 92443 | 47616 | 40 |
| 70 | 55427 | 07829 | 92171 | 47598 | 30 |
| 80 | 55680 | 08100 | 91900 | 47580 | 20 |
| 90 | 55933 | 08371 | 91629 | 47561 | 10 |
| **77 oo** | 56186 | 08643 | 91357 | 47543 | **23 oo** |
| 10 | 56438 | 08914 | 91086 | 47524 | 90 |
| 20 | 56691 | 09185 | 90815 | 47506 | 80 |
| 30 | 56944 | 09457 | 90543 | 47488 | 70 |
| 40 | 57197 | 09728 | 90272 | 47469 | 60 |
| 50 | 57450 | 09999 | 90001 | 47451 | 50 |
| 60 | 57703 | 10271 | 89729 | 47432 | 40 |
| 70 | 57956 | 10542 | 89458 | 47414 | 30 |
| 80 | 58209 | 10813 | 89187 | 47396 | 20 |
| 90 | 58461 | 11084 | 88916 | 47377 | 10 |
| **78 oo** | 58714 | 11355 | 88645 | 47359 | **22 oo** |
| 10 | 58967 | 11627 | 88373 | 47340 | 90 |
| 20 | 59220 | 11898 | 88102 | 47322 | 80 |
| 30 | 59473 | 12169 | 87831 | 47304 | 70 |
| 40 | 59725 | 12440 | 87560 | 47285 | 60 |
| 50 | 59978 | 12711 | 87289 | 47267 | 50 |
| 60 | 60231 | 12982 | 87018 | 47248 | 40 |
| 70 | 60483 | 13254 | 86746 | 47230 | 30 |
| 80 | 60736 | 13525 | 86475 | 47211 | 20 |
| 90 | 60989 | 13796 | 86204 | 47193 | 10 |
| **79 oo** | 61241 | 14067 | 85933 | 47175 | **21 oo** |
| 10 | 61494 | 14338 | 85662 | 47156 | 90 |
| 20 | 61747 | 14609 | 85391 | 47138 | 80 |
| 30 | 61999 | 14880 | 85120 | 47119 | 70 |
| 40 | 62252 | 15151 | 84849 | 47101 | 60 |
| 50 | 62504 | 15422 | 84578 | 47082 | 50 |
| 60 | 62757 | 15693 | 84307 | 47064 | 40 |
| 70 | 63009 | 15964 | 84036 | 47046 | 30 |
| 80 | 63262 | 16235 | 83765 | 47027 | 20 |
| 90 | 63515 | 16506 | 83494 | 47009 | 10 |
| **80 oo** | 63767 | 16777 | 83223 | 46990 | **20 oo** |
| | **9.41** | **9.43** | **0.56** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 252 | 271 | 271 | 19 | |

| | 273 | 272 | 271 | 254 | 253 | 252 | 19 | 18 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 27,3 | 27,2 | 27,1 | 25,4 | 25,3 | 25,2 | 1,9 | 1,8 | 1 |
| 2 | 54,6 | 54,4 | 54,2 | 50,8 | 50,6 | 50,4 | 3,8 | 3,6 | 2 |
| 3 | 81,9 | 81,6 | 81,3 | 76,2 | 75,9 | 75,6 | 5,7 | 5,4 | 3 |
| 4 | 109,2 | 108,8 | 108,4 | 101,6 | 101,2 | 100,8 | 7,6 | 7,2 | 4 |
| 5 | 136,5 | 136,0 | 135,5 | 127,0 | 126,5 | 126,0 | 9,5 | 9,0 | 5 |
| 6 | 163,8 | 163,2 | 162,6 | 152,4 | 151,8 | 151,2 | 11,4 | 10,8 | 6 |
| 7 | 191,1 | 190,4 | 189,7 | 177,8 | 177,1 | 176,4 | 13,3 | 12,6 | 7 |
| 8 | 218,4 | 217,6 | 216,8 | 203,2 | 202,4 | 201,6 | 15,2 | 14,4 | 8 |
| 9 | 245,7 | 244,8 | 243,9 | 228,6 | 227,7 | 226,8 | 17,1 | 16,2 | 9 |

| $16^g$ | 253 | 271 | 271 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.41** | **9.43** | **0.56** | **9.98** | |
| **80 oo** | 63767 | 16777 | 83223 | 46990 | **20 oo** |
| 10 | 64019 | 17048 | 82952 | 46972 | 90 |
| 20 | 64272 | 17318 | 82682 | 46953 | 80 |
| 30 | 64524 | 17589 | 82411 | 46935 | 70 |
| 40 | 64777 | 17860 | 82140 | 46917 | 60 |
| 50 | 65029 | 18131 | 81869 | 46898 | 50 |
| 60 | 65282 | 18402 | 81598 | 46880 | 40 |
| 70 | 65534 | 18673 | 81327 | 46861 | 30 |
| 80 | 65786 | 18943 | 81057 | 46843 | 20 |
| 90 | 66039 | 19214 | 80786 | 46824 | 10 |
| **81 oo** | 66291 | 19485 | 80515 | 46806 | **19 oo** |
| 10 | 66543 | 19756 | 80244 | 46788 | 90 |
| 20 | 66796 | 20027 | 79973 | 46769 | 80 |
| 30 | 67048 | 20297 | 79703 | 46751 | 70 |
| 40 | 67300 | 20568 | 79432 | 46732 | 60 |
| 50 | 67552 | 20839 | 79161 | 46714 | 50 |
| 60 | 67805 | 21109 | 78891 | 46695 | 40 |
| 70 | 68057 | 21380 | 78620 | 46677 | 30 |
| 80 | 68309 | 21651 | 78349 | 46658 | 20 |
| 90 | 68561 | 21921 | 78079 | 46640 | 10 |
| **82 oo** | 68813 | 22192 | 77808 | 46621 | **18 oo** |
| 10 | 69066 | 22463 | 77537 | 46603 | 90 |
| 20 | 69318 | 22733 | 77267 | 46585 | 80 |
| 30 | 69570 | 23004 | 76996 | 46566 | 70 |
| 40 | 69822 | 23274 | 76726 | 46548 | 60 |
| 50 | 70074 | 23545 | 76455 | 46529 | 50 |
| 60 | 70326 | 23815 | 76185 | 46511 | 40 |
| 70 | 70578 | 24086 | 75914 | 46492 | 30 |
| 80 | 70830 | 24356 | 75644 | 46474 | 20 |
| 90 | 71082 | 24627 | 75373 | 46455 | 10 |
| **83 oo** | 71334 | 24897 | 75103 | 46437 | **17 oo** |
| 10 | 71586 | 25168 | 74832 | 46418 | 90 |
| 20 | 71838 | 25438 | 74562 | 46400 | 80 |
| 30 | 72090 | 25709 | 74291 | 46381 | 70 |
| 40 | 72342 | 25979 | 74021 | 46363 | 60 |
| 50 | 72594 | 26250 | 73750 | 46345 | 50 |
| 60 | 72846 | 26520 | 73480 | 46326 | 40 |
| 70 | 73098 | 26790 | 73210 | 46308 | 30 |
| 80 | 73350 | 27061 | 72939 | 46289 | 20 |
| 90 | 73602 | 27331 | 72669 | 46271 | 10 |
| **84 oo** | 73854 | 27601 | 72399 | 46252 | **16 oo** |
| 10 | 74105 | 27872 | 72128 | 46234 | 90 |
| 20 | 74357 | 28142 | 71858 | 46215 | 80 |
| 30 | 74609 | 28412 | 71588 | 46197 | 70 |
| 40 | 74861 | 28683 | 71317 | 46178 | 60 |
| 50 | 75113 | 28953 | 71047 | 46160 | 50 |
| 60 | 75364 | 29223 | 70777 | 46141 | 40 |
| 70 | 75616 | 29493 | 70507 | 46123 | 30 |
| 80 | 75868 | 29764 | 70236 | 46104 | 20 |
| 90 | 76120 | 30034 | 69966 | 46086 | 10 |
| **85 oo** | 76371 | 30304 | 69696 | 46067 | **15 oo** |
| | **9.41** | **9.43** | **0.56** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 251 | 270 | 270 | 19 | |

| $16^g$ | 252 | 271 | 271 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.41** | **9.43** | **0.56** | **9.98** | |
| **85 oo** | 76371 | 30304 | 69696 | 46067 | **15 oo** |
| 10 | 76623 | 30574 | 69426 | 46049 | 90 |
| 20 | 76875 | 30844 | 69156 | 46030 | 80 |
| 30 | 77126 | 31115 | 68885 | 46012 | 70 |
| 40 | 77378 | 31385 | 68615 | 45993 | 60 |
| 50 | 77630 | 31655 | 68345 | 45975 | 50 |
| 60 | 77881 | 31925 | 68075 | 45956 | 40 |
| 70 | 78133 | 32195 | 67805 | 45938 | 30 |
| 80 | 78384 | 32465 | 67535 | 45919 | 20 |
| 90 | 78636 | 32735 | 67265 | 45901 | 10 |
| **86 oo** | 78887 | 33005 | 66995 | 45882 | **14 oo** |
| 10 | 79139 | 33275 | 66725 | 45864 | 90 |
| 20 | 79391 | 33545 | 66455 | 45845 | 80 |
| 30 | 79642 | 33815 | 66185 | 45827 | 70 |
| 40 | 79894 | 34085 | 65915 | 45808 | 60 |
| 50 | 80145 | 34355 | 65645 | 45790 | 50 |
| 60 | 80396 | 34625 | 65375 | 45771 | 40 |
| 70 | 80648 | 34895 | 65105 | 45753 | 30 |
| 80 | 80899 | 35165 | 64835 | 45734 | 20 |
| 90 | 81151 | 35435 | 64565 | 45716 | 10 |
| **87 oo** | 81402 | 35705 | 64295 | 45697 | **13 oo** |
| 10 | 81653 | 35975 | 64025 | 45679 | 90 |
| 20 | 81905 | 36245 | 63755 | 45660 | 80 |
| 30 | 82156 | 36514 | 63486 | 45642 | 70 |
| 40 | 82407 | 36784 | 63216 | 45623 | 60 |
| 50 | 82659 | 37054 | 62946 | 45605 | 50 |
| 60 | 82910 | 37324 | 62676 | 45586 | 40 |
| 70 | 83161 | 37594 | 62406 | 45568 | 30 |
| 80 | 83413 | 37864 | 62136 | 45549 | 20 |
| 90 | 83664 | 38133 | 61867 | 45531 | 10 |
| **88 oo** | 83915 | 38403 | 61597 | 45512 | **12 oo** |
| 10 | 84166 | 38673 | 61327 | 45494 | 90 |
| 20 | 84418 | 38943 | 61057 | 45475 | 80 |
| 30 | 84669 | 39212 | 60788 | 45456 | 70 |
| 40 | 84920 | 39482 | 60518 | 45438 | 60 |
| 50 | 85171 | 39752 | 60248 | 45419 | 50 |
| 60 | 85422 | 40021 | 59979 | 45401 | 40 |
| 70 | 85673 | 40291 | 59709 | 45382 | 30 |
| 80 | 85924 | 40561 | 59439 | 45364 | 20 |
| 90 | 86176 | 40830 | 59170 | 45345 | 10 |
| **89 oo** | 86427 | 41100 | 58900 | 45327 | **11 oo** |
| 10 | 86678 | 41369 | 58631 | 45308 | 90 |
| 20 | 86929 | 41639 | 58361 | 45290 | 80 |
| 30 | 87180 | 41909 | 58091 | 45271 | 70 |
| 40 | 87431 | 42178 | 57822 | 45253 | 60 |
| 50 | 87682 | 42448 | 57552 | 45234 | 50 |
| 60 | 87933 | 42717 | 57283 | 45216 | 40 |
| 70 | 88184 | 42987 | 57013 | 45197 | 30 |
| 80 | 88435 | 43256 | 56744 | 45178 | 20 |
| 90 | 88686 | 43526 | 56474 | 45160 | 10 |
| **90 oo** | 88937 | 43795 | 56205 | 45141 | **10 oo** |
| | **9.41** | **9.43** | **0.56** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 251 | 269 | 269 | 19 | |

| | 271 | 270 | 269 | 253 | 252 | 251 | 19 | 18 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 27,1 | 27,0 | 26,9 | 25,3 | 25,2 | 25,1 | 1,9 | 1,8 | 1 |
| 2 | 54,2 | 54,0 | 53,8 | 50,6 | 50,4 | 50,2 | 3,8 | 3,6 | 2 |
| 3 | 81,3 | 81,0 | 80,7 | 75,9 | 75,6 | 75,3 | 5,7 | 5,4 | 3 |
| 4 | 108,4 | 108,0 | 107,6 | 101,2 | 100,8 | 100,4 | 7,6 | 7,2 | 4 |
| 5 | 135,5 | 135,0 | 134,5 | 126,5 | 126,0 | 125,5 | 9,5 | 9,0 | 5 |
| 6 | 162,6 | 162,0 | 161,4 | 151,8 | 151,2 | 150,6 | 11,4 | 10,8 | 6 |
| 7 | 189,7 | 189,0 | 188,3 | 177,1 | 176,4 | 175,7 | 13,3 | 12,6 | 7 |
| 8 | 216,8 | 216,0 | 215,2 | 202,4 | 201,6 | 200,8 | 15,2 | 14,4 | 8 |
| 9 | 243,9 | 243,0 | 242,1 | 227,7 | 226,8 | 225,9 | 17,1 | 16,2 | 9 |

| $16^g$ | 251 | 270 | 270 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.41** | **9.43** | **0.56** | **9.98** | |
| **90 oo** | 88937 | 43795 | 56205 | 45141 | **10 oo** |
| 10 | 89187 | 44065 | 55935 | 45123 | 90 |
| 20 | 89438 | 44334 | 55666 | 45104 | 80 |
| 30 | 89689 | 44603 | 55397 | 45086 | 70 |
| 40 | 89940 | 44873 | 55127 | 45067 | 60 |
| 50 | 90191 | 45142 | 54858 | 45049 | 50 |
| 60 | 90442 | 45412 | 54588 | 45030 | 40 |
| 70 | 90693 | 45681 | 54319 | 45011 | 30 |
| 80 | 90943 | 45950 | 54050 | 44993 | 20 |
| 90 | 91194 | 46220 | 53780 | 44974 | 10 |
| **91 oo** | 91445 | 46489 | 53511 | 44956 | **09 oo** |
| 10 | 91696 | 46758 | 53242 | 44937 | 90 |
| 20 | 91946 | 47028 | 52972 | 44919 | 80 |
| 30 | 92197 | 47297 | 52703 | 44900 | 70 |
| 40 | 92448 | 47566 | 52434 | 44882 | 60 |
| 50 | 92698 | 47835 | 52165 | 44863 | 50 |
| 60 | 92949 | 48105 | 51895 | 44844 | 40 |
| 70 | 93200 | 48374 | 51626 | 44826 | 30 |
| 80 | 93450 | 48643 | 51357 | 44807 | 20 |
| 90 | 93701 | 48912 | 51088 | 44789 | 10 |
| **92 oo** | 93952 | 49182 | 50818 | 44770 | **08 oo** |
| 10 | 94202 | 49451 | 50549 | 44752 | 90 |
| 20 | 94453 | 49720 | 50280 | 44733 | 80 |
| 30 | 94703 | 49989 | 50011 | 44714 | 70 |
| 40 | 94954 | 50258 | 49742 | 44696 | 60 |
| 50 | 95205 | 50527 | 49473 | 44677 | 50 |
| 60 | 95455 | 50796 | 49204 | 44659 | 40 |
| 70 | 95706 | 51065 | 48935 | 44640 | 30 |
| 80 | 95956 | 51334 | 48666 | 44622 | 20 |
| 90 | 96206 | 51603 | 48397 | 44603 | 10 |
| **93 oo** | 96457 | 51873 | 48127 | 44584 | **07 oo** |
| 10 | 96707 | 52142 | 47858 | 44566 | 90 |
| 20 | 96958 | 52411 | 47589 | 44547 | 80 |
| 30 | 97208 | 52680 | 47320 | 44529 | 70 |
| 40 | 97459 | 52949 | 47051 | 44510 | 60 |
| 50 | 97709 | 53217 | 46783 | 44491 | 50 |
| 60 | 97959 | 53486 | 46514 | 44473 | 40 |
| 70 | 98210 | 53755 | 46245 | 44454 | 30 |
| 80 | 98460 | 54024 | 45976 | 44436 | 20 |
| 90 | 98710 | 54293 | 45707 | 44417 | 10 |
| **94 oo** | 98961 | 54562 | 45438 | 44399 | **06 oo** |
| 10 | 99211 | 54831 | 45169 | 44380 | 90 |
| 20 | 99461 | 55100 | 44900 | 44361 | 80 |
| 30 | 99711 | 55369 | 44631 | 44343 | 70 |
| 40 | 99962 | 55638 | 44362 | 44324 | 60 |
| 50 | *00212 | 55906 | 44094 | 44306 | 50 |
| 60 | *00462 | 56175 | 43825 | 44287 | 40 |
| 70 | *00712 | 56444 | 43556 | 44268 | 30 |
| 80 | *00962 | 56713 | 43287 | 44250 | 20 |
| 90 | *01213 | 56982 | 43018 | 44231 | 10 |
| **95 oo** | *01463 | 57250 | 42750 | 44213 | **05 oo** |
| | ***9.42** | **9.43** | **0.56** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 250 | 268 | 268 | 19 | |

| $16^g$ | 250 | 269 | 269 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.42** | **9.43** | **0.56** | **9.98** | |
| **95 oo** | 01463 | 57250 | 42750 | 44213 | **05 oo** |
| 10 | 01713 | 57519 | 42481 | 44194 | 90 |
| 20 | 01963 | 57788 | 42212 | 44175 | 80 |
| 30 | 02213 | 58056 | 41944 | 44157 | 70 |
| 40 | 02463 | 58325 | 41675 | 44138 | 60 |
| 50 | 02713 | 58594 | 41406 | 44120 | 50 |
| 60 | 02963 | 58862 | 41138 | 44101 | 40 |
| 70 | 03213 | 59131 | 40869 | 44082 | 30 |
| 80 | 03463 | 59400 | 40600 | 44064 | 20 |
| 90 | 03713 | 59668 | 40332 | 44045 | 10 |
| **96 oo** | 03963 | 59937 | 40063 | 44026 | **04 oo** |
| 10 | 04213 | 60206 | 39794 | 44008 | 90 |
| 20 | 04463 | 60474 | 39526 | 43989 | 80 |
| 30 | 04713 | 60743 | 39257 | 43971 | 70 |
| 40 | 04963 | 61011 | 38989 | 43952 | 60 |
| 50 | 05213 | 61280 | 38720 | 43933 | 50 |
| 60 | 05463 | 61548 | 38452 | 43915 | 40 |
| 70 | 05713 | 61817 | 38183 | 43896 | 30 |
| 80 | 05963 | 62085 | 37915 | 43877 | 20 |
| 90 | 06213 | 62354 | 37646 | 43859 | 10 |
| **97 oo** | 06462 | 62622 | 37378 | 43840 | **03 oo** |
| 10 | 06712 | 62891 | 37109 | 43822 | 90 |
| 20 | 06962 | 63159 | 36841 | 43803 | 80 |
| 30 | 07212 | 63428 | 36572 | 43784 | 70 |
| 40 | 07462 | 63696 | 36304 | 43766 | 60 |
| 50 | 07711 | 63964 | 36036 | 43747 | 50 |
| 60 | 07961 | 64233 | 35767 | 43728 | 40 |
| 70 | 08211 | 64501 | 35499 | 43710 | 30 |
| 80 | 08461 | 64769 | 35231 | 43691 | 20 |
| 90 | 08710 | 65038 | 34962 | 43673 | 10 |
| **98 oo** | 08960 | 65306 | 34694 | 43654 | **02 oo** |
| 10 | 09210 | 65574 | 34426 | 43635 | 90 |
| 20 | 09459 | 65843 | 34157 | 43617 | 80 |
| 30 | 09709 | 66111 | 33889 | 43598 | 70 |
| 40 | 09959 | 66379 | 33621 | 43579 | 60 |
| 50 | 10208 | 66647 | 33353 | 43561 | 50 |
| 60 | 10458 | 66916 | 33084 | 43542 | 40 |
| 70 | 10707 | 67184 | 32816 | 43523 | 30 |
| 80 | 10957 | 67452 | 32548 | 43505 | 20 |
| 90 | 11206 | 67720 | 32280 | 43486 | 10 |
| **99 oo** | 11456 | 67989 | 32011 | 43467 | **01 oo** |
| 10 | 11705 | 68257 | 31743 | 43449 | 90 |
| 20 | 11955 | 68525 | 31475 | 43430 | 80 |
| 30 | 12204 | 68793 | 31207 | 43411 | 70 |
| 40 | 12454 | 69061 | 30939 | 43393 | 60 |
| 50 | 12703 | 69329 | 30671 | 43374 | 50 |
| 60 | 12953 | 69597 | 30403 | 43355 | 40 |
| 70 | 13202 | 69865 | 30135 | 43337 | 30 |
| 80 | 13452 | 70133 | 29867 | 43318 | 20 |
| 90 | 13701 | 70401 | 29599 | 43300 | 10 |
| **100 oo** | 13950 | 70670 | 29330 | 43281 | **00 oo** |
| | **9.42** | **9.43** | **0.56** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $83^g$ |
| | 249 | 268 | 268 | 19 | |

| | 270 | 269 | 268 | 251 | 250 | 249 | 19 | 18 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 27,0 | 26,9 | 26,8 | 25,1 | 25,0 | 24,9 | 1,9 | 1,8 | 1 |
| 2 | 54,0 | 53,8 | 53,6 | 50,2 | 50,0 | 49,8 | 3,8 | 3,6 | 2 |
| 3 | 81,0 | 80,7 | 80,4 | 75,3 | 75,0 | 74,7 | 5,7 | 5,4 | 3 |
| 4 | 108,0 | 107,6 | 107,2 | 100,4 | 100,0 | 99,6 | 7,6 | 7,2 | 4 |
| 5 | 135,0 | 134,5 | 134,0 | 125,5 | 125,0 | 124,5 | 9,5 | 9,0 | 5 |
| 6 | 162,0 | 161,4 | 160,8 | 150,6 | 150,0 | 149,4 | 11,4 | 10,8 | 6 |
| 7 | 189,0 | 188,3 | 187,6 | 175,7 | 175,0 | 174,3 | 13,3 | 12,6 | 7 |
| 8 | 216,0 | 215,2 | 214,4 | 200,8 | 200,0 | 199,2 | 15,2 | 14,4 | 8 |
| 9 | 243,0 | 242,1 | 241,2 | 225,9 | 225,0 | 224,1 | 17,1 | 16,2 | 9 |

| 17g | 250 | 268 | 268 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.42** | **9.43** | **0.56** | **9.98** | |
| **00 oo** | 13950 | 70670 | 29330 | 43281 | **100 oo** |
| 10 | 14200 | 70938 | 29062 | 43262 | 90 |
| 20 | 14449 | 71206 | 28794 | 43244 | 80 |
| 30 | 14698 | 71474 | 28526 | 43225 | 70 |
| 40 | 14948 | 71742 | 28258 | 43206 | 60 |
| 50 | 15197 | 72009 | 27991 | 43188 | 50 |
| 60 | 15446 | 72277 | 27723 | 43169 | 40 |
| 70 | 15696 | 72545 | 27455 | 43150 | 30 |
| 80 | 15945 | 72813 | 27187 | 43132 | 20 |
| 90 | 16194 | 73081 | 26919 | 43113 | 10 |
| **01 oo** | 16443 | 73349 | 26651 | 43094 | **99 oo** |
| 10 | 16692 | 73617 | 26383 | 43075 | 90 |
| 20 | 16942 | 73885 | 26115 | 43057 | 80 |
| 30 | 17191 | 74153 | 25847 | 43038 | 70 |
| 40 | 17440 | 74421 | 25579 | 43019 | 60 |
| 50 | 17689 | 74688 | 25312 | 43001 | 50 |
| 60 | 17938 | 74956 | 25044 | 42982 | 40 |
| 70 | 18187 | 75224 | 24776 | 42963 | 30 |
| 80 | 18436 | 75492 | 24508 | 42945 | 20 |
| 90 | 18686 | 75759 | 24241 | 42926 | 10 |
| **02 oo** | 18935 | 76027 | 23973 | 42907 | **98 oo** |
| 10 | 19184 | 76295 | 23705 | 42889 | 90 |
| 20 | 19433 | 76563 | 23437 | 42870 | 80 |
| 30 | 19682 | 76830 | 23170 | 42851 | 70 |
| 40 | 19931 | 77098 | 22902 | 42833 | 60 |
| 50 | 20180 | 77366 | 22634 | 42814 | 50 |
| 60 | 20429 | 77633 | 22367 | 42795 | 40 |
| 70 | 20678 | 77901 | 22099 | 42777 | 30 |
| 80 | 20927 | 78169 | 21831 | 42758 | 20 |
| 90 | 21176 | 78436 | 21564 | 42739 | 10 |
| **03 oo** | 21424 | 78704 | 21296 | 42720 | **97 oo** |
| 10 | 21673 | 78972 | 21028 | 42702 | 90 |
| 20 | 21922 | 79239 | 20761 | 42683 | 80 |
| 30 | 22171 | 79507 | 20493 | 42664 | 70 |
| 40 | 22420 | 79774 | 20226 | 42646 | 60 |
| 50 | 22669 | 80042 | 19958 | 42627 | 50 |
| 60 | 22918 | 80309 | 19691 | 42608 | 40 |
| 70 | 23166 | 80577 | 19423 | 42590 | 30 |
| 80 | 23415 | 80844 | 19156 | 42571 | 20 |
| 90 | 23664 | 81112 | 18888 | 42552 | 10 |
| **04 oo** | 23913 | 81379 | 18621 | 42533 | **96 oo** |
| 10 | 24161 | 81647 | 18353 | 42515 | 90 |
| 20 | 24410 | 81914 | 18086 | 42496 | 80 |
| 30 | 24659 | 82182 | 17818 | 42477 | 70 |
| 40 | 24908 | 82449 | 17551 | 42459 | 60 |
| 50 | 25156 | 82716 | 17284 | 42440 | 50 |
| 60 | 25405 | 82984 | 17016 | 42421 | 40 |
| 70 | 25654 | 83251 | 16749 | 42402 | 30 |
| 80 | 25902 | 83519 | 16481 | 42384 | 20 |
| 90 | 26151 | 83786 | 16214 | 42365 | 10 |
| **05 oo** | 26399 | 84053 | 15947 | 42346 | **95 oo** |
| | **9.42** | **9.43** | **0.56** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | **82g** |
| | 248 | 267 | 267 | 19 | |

| 17g | 249 | 268 | 268 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.42** | **9.43** | **0.56** | **9.98** | |
| **05 oo** | 26399 | 84053 | 15947 | 42346 | **95 oo** |
| 10 | 26648 | 84320 | 15680 | 42328 | 90 |
| 20 | 26897 | 84588 | 15412 | 42309 | 80 |
| 30 | 27145 | 84855 | 15145 | 42290 | 70 |
| 40 | 27394 | 85122 | 14878 | 42271 | 60 |
| 50 | 27642 | 85390 | 14610 | 42253 | 50 |
| 60 | 27891 | 85657 | 14343 | 42234 | 40 |
| 70 | 28139 | 85924 | 14076 | 42215 | 30 |
| 80 | 28388 | 86191 | 13809 | 42196 | 20 |
| 90 | 28636 | 86458 | 13542 | 42178 | 10 |
| **06 oo** | 28885 | 86726 | 13274 | 42159 | **94 oo** |
| 10 | 29133 | 86993 | 13007 | 42140 | 90 |
| 20 | 29382 | 87260 | 12740 | 42122 | 80 |
| 30 | 29630 | 87527 | 12473 | 42103 | 70 |
| 40 | 29878 | 87794 | 12206 | 42084 | 60 |
| 50 | 30127 | 88061 | 11939 | 42065 | 50 |
| 60 | 30375 | 88328 | 11672 | 42047 | 40 |
| 70 | 30623 | 88596 | 11404 | 42028 | 30 |
| 80 | 30872 | 88863 | 11137 | 42009 | 20 |
| 90 | 31120 | 89130 | 10870 | 41990 | 10 |
| **07 oo** | 31368 | 89397 | 10603 | 41972 | **93 oo** |
| 10 | 31617 | 89664 | 10336 | 41953 | 90 |
| 20 | 31865 | 89931 | 10069 | 41934 | 80 |
| 30 | 32113 | 90198 | 09802 | 41915 | 70 |
| 40 | 32361 | 90465 | 09535 | 41897 | 60 |
| 50 | 32610 | 90732 | 09268 | 41878 | 50 |
| 60 | 32858 | 90999 | 09001 | 41859 | 40 |
| 70 | 33106 | 91266 | 08734 | 41840 | 30 |
| 80 | 33354 | 91533 | 08467 | 41822 | 20 |
| 90 | 33602 | 91799 | 08201 | 41803 | 10 |
| **08 oo** | 33851 | 92066 | 07934 | 41784 | **92 oo** |
| 10 | 34099 | 92333 | 07667 | 41765 | 90 |
| 20 | 34347 | 92600 | 07400 | 41747 | 80 |
| 30 | 34595 | 92867 | 07133 | 41728 | 70 |
| 40 | 34843 | 93134 | 06866 | 41709 | 60 |
| 50 | 35091 | 93401 | 06599 | 41690 | 50 |
| 60 | 35339 | 93668 | 06332 | 41672 | 40 |
| 70 | 35587 | 93934 | 06066 | 41653 | 30 |
| 80 | 35835 | 94201 | 05799 | 41634 | 20 |
| 90 | 36083 | 94468 | 05532 | 41615 | 10 |
| **09 oo** | 36331 | 94735 | 05265 | 41597 | **91 oo** |
| 10 | 36579 | 95001 | 04999 | 41578 | 90 |
| 20 | 36827 | 95268 | 04732 | 41559 | 80 |
| 30 | 37075 | 95535 | 04465 | 41540 | 70 |
| 40 | 37323 | 95802 | 04198 | 41521 | 60 |
| 50 | 37571 | 96068 | 03932 | 41503 | 50 |
| 60 | 37819 | 96335 | 03665 | 41484 | 40 |
| 70 | 38067 | 96602 | 03398 | 41465 | 30 |
| 80 | 38315 | 96868 | 03132 | 41446 | 20 |
| 90 | 38562 | 97135 | 02865 | 41428 | 10 |
| **10 oo** | 38810 | 97401 | 02599 | 41409 | **90 oo** |
| | **9.42** | **9.43** | **0.56** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | **82g** |
| | 247 | 266 | 266 | 19 | |

| | 268 | 267 | 266 | 250 | 249 | 248 | 247 | 19 | 18 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 26,8 | 26,7 | 26,6 | 25,0 | 24,9 | 24,8 | 24,7 | 1,9 | 1,8 | 1 |
| 2 | 53,6 | 53,4 | 53,2 | 50,0 | 49,8 | 49,6 | 49,4 | 3,8 | 3,6 | 2 |
| 3 | 80,4 | 80,1 | 79,8 | 75,0 | 74,7 | 74,4 | 74,1 | 5,7 | 5,4 | 3 |
| 4 | 107,2 | 106,8 | 106,4 | 100,0 | 99,6 | 99,2 | 98,8 | 7,6 | 7,2 | 4 |
| 5 | 134,0 | 133,5 | 133,0 | 125,0 | 124,5 | 124,0 | 123,5 | 9,5 | 9,0 | 5 |
| 6 | 160,8 | 160,2 | 159,6 | 150,0 | 149,4 | 148,8 | 148,2 | 11,4 | 10,8 | 6 |
| 7 | 187,6 | 186,9 | 186,2 | 175,0 | 174,3 | 173,6 | 172,9 | 13,3 | 12,6 | 7 |
| 8 | 214,4 | 213,6 | 212,8 | 200,0 | 199,2 | 198,4 | 197,6 | 15,2 | 14,4 | 8 |
| 9 | 241,2 | 240,3 | 239,4 | 225,0 | 224,1 | 223,2 | 222,3 | 17,1 | 16,2 | 9 |

| 17g | 248 | 267 | 267 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.42** | ***9.43** | ***0.56** | **9.98** | |
| **10 oo** | 38810 | *97401 | *02599 | 41409 | **90 oo** |
| 10 | 39058 | *97668 | *02332 | 41390 | 90 |
| 20 | 39306 | *97935 | *02065 | 41371 | 80 |
| 30 | 39554 | *98201 | *01799 | 41353 | 70 |
| 40 | 39802 | *98468 | *01532 | 41334 | 60 |
| 50 | 40049 | *98734 | *01266 | 41315 | 50 |
| 60 | 40297 | *99001 | *00999 | 41296 | 40 |
| 70 | 40545 | *99267 | *00733 | 41277 | 30 |
| 80 | 40793 | *99534 | *00466 | 41259 | 20 |
| 90 | 41040 | *99800 | *00200 | 41240 | 10 |
| **11 oo** | 41288 | 00067 | 99933 | 41221 | **89 oo** |
| 10 | 41536 | 00333 | 99667 | 41202 | 90 |
| 20 | 41783 | 00600 | 99400 | 41183 | 80 |
| 30 | 42031 | 00866 | 99134 | 41165 | 70 |
| 40 | 42279 | 01133 | 98867 | 41146 | 60 |
| 50 | 42526 | 01399 | 98601 | 41127 | 50 |
| 60 | 42774 | 01665 | 98335 | 41108 | 40 |
| 70 | 43021 | 01932 | 98068 | 41089 | 30 |
| 80 | 43269 | 02198 | 97802 | 41071 | 20 |
| 90 | 43516 | 02465 | 97535 | 41052 | 10 |
| **12 oo** | 43764 | 02731 | 97269 | 41033 | **88 oo** |
| 10 | 44012 | 02997 | 97003 | 41014 | 90 |
| 20 | 44259 | 03264 | 96736 | 40995 | 80 |
| 30 | 44507 | 03530 | 96470 | 40977 | 70 |
| 40 | 44754 | 03796 | 96204 | 40958 | 60 |
| 50 | 45001 | 04062 | 95938 | 40939 | 50 |
| 60 | 45249 | 04329 | 95671 | 40920 | 40 |
| 70 | 45496 | 04595 | 95405 | 40901 | 30 |
| 80 | 45744 | 04861 | 95139 | 40883 | 20 |
| 90 | 45991 | 05127 | 94873 | 40864 | 10 |
| **13 oo** | 46239 | 05394 | 94606 | 40845 | **87 oo** |
| 10 | 46486 | 05660 | 94340 | 40826 | 90 |
| 20 | 46733 | 05926 | 94074 | 40807 | 80 |
| 30 | 46981 | 06192 | 93808 | 40789 | 70 |
| 40 | 47228 | 06458 | 93542 | 40770 | 60 |
| 50 | 47475 | 06724 | 93276 | 40751 | 50 |
| 60 | 47723 | 06990 | 93010 | 40732 | 40 |
| 70 | 47970 | 07257 | 92743 | 40713 | 30 |
| 80 | 48217 | 07523 | 92477 | 40694 | 20 |
| 90 | 48464 | 07789 | 92211 | 40676 | 10 |
| **14 oo** | 48712 | 08055 | 91945 | 40657 | **86 oo** |
| 10 | 48959 | 08321 | 91679 | 40638 | 90 |
| 20 | 49206 | 08587 | 91413 | 40619 | 80 |
| 30 | 49453 | 08853 | 91147 | 40600 | 70 |
| 40 | 49700 | 09119 | 90881 | 40582 | 60 |
| 50 | 49948 | 09385 | 90615 | 40563 | 50 |
| 60 | 50195 | 09651 | 90349 | 40544 | 40 |
| 70 | 50442 | 09917 | 90083 | 40525 | 30 |
| 80 | 50689 | 10183 | 89817 | 40506 | 20 |
| 90 | 50936 | 10449 | 89551 | 40487 | 10 |
| **15 oo** | 51183 | 10715 | 89285 | 40469 | **85 oo** |
| | **9.42** | **9.44** | **0.55** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 82g |
| | 247 | 266 | 266 | 19 | |

| 17g | 247 | 266 | 266 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.42** | **9.44** | **0.55** | **9.98** | |
| **15 oo** | 51183 | 10715 | 89285 | 40469 | **85 oo** |
| 10 | 51430 | 10981 | 89019 | 40450 | 90 |
| 20 | 51677 | 11246 | 88754 | 40431 | 80 |
| 30 | 51924 | 11512 | 88488 | 40412 | 70 |
| 40 | 52171 | 11778 | 88222 | 40393 | 60 |
| 50 | 52418 | 12044 | 87956 | 40374 | 50 |
| 60 | 52665 | 12310 | 87690 | 40355 | 40 |
| 70 | 52912 | 12576 | 87424 | 40337 | 30 |
| 80 | 53159 | 12841 | 87159 | 40318 | 20 |
| 90 | 53406 | 13107 | 86893 | 40299 | 10 |
| **16 oo** | 53653 | 13373 | 86627 | 40280 | **84 oo** |
| 10 | 53900 | 13639 | 86361 | 40261 | 90 |
| 20 | 54147 | 13905 | 86095 | 40242 | 80 |
| 30 | 54394 | 14170 | 85830 | 40224 | 70 |
| 40 | 54641 | 14436 | 85564 | 40205 | 60 |
| 50 | 54888 | 14702 | 85298 | 40186 | 50 |
| 60 | 55134 | 14967 | 85033 | 40167 | 40 |
| 70 | 55381 | 15233 | 84767 | 40148 | 30 |
| 80 | 55628 | 15499 | 84501 | 40129 | 20 |
| 90 | 55875 | 15764 | 84236 | 40110 | 10 |
| **17 oo** | 56122 | 16030 | 83970 | 40092 | **83 oo** |
| 10 | 56368 | 16296 | 83704 | 40073 | 90 |
| 20 | 56615 | 16561 | 83439 | 40054 | 80 |
| 30 | 56862 | 16827 | 83173 | 40035 | 70 |
| 40 | 57109 | 17092 | 82908 | 40016 | 60 |
| 50 | 57355 | 17358 | 82642 | 39997 | 50 |
| 60 | 57602 | 17624 | 82376 | 39978 | 40 |
| 70 | 57849 | 17889 | 82111 | 39960 | 30 |
| 80 | 58095 | 18155 | 81845 | 39941 | 20 |
| 90 | 58342 | 18420 | 81580 | 39922 | 10 |
| **18 oo** | 58589 | 18686 | 81314 | 39903 | **82 oo** |
| 10 | 58835 | 18951 | 81049 | 39884 | 90 |
| 20 | 59082 | 19217 | 80783 | 39865 | 80 |
| 30 | 59328 | 19482 | 80518 | 39846 | 70 |
| 40 | 59575 | 19748 | 80252 | 39827 | 60 |
| 50 | 59822 | 20013 | 79987 | 39809 | 50 |
| 60 | 60068 | 20278 | 79722 | 39790 | 40 |
| 70 | 60315 | 20544 | 79456 | 39771 | 30 |
| 80 | 60561 | 20809 | 79191 | 39752 | 20 |
| 90 | 60808 | 21075 | 78925 | 39733 | 10 |
| **19 oo** | 61054 | 21340 | 78660 | 39714 | **81 oo** |
| 10 | 61301 | 21605 | 78395 | 39695 | 90 |
| 20 | 61547 | 21871 | 78129 | 39676 | 80 |
| 30 | 61793 | 22136 | 77864 | 39658 | 70 |
| 40 | 62040 | 22401 | 77599 | 39639 | 60 |
| 50 | 62286 | 22667 | 77333 | 39620 | 50 |
| 60 | 62533 | 22932 | 77068 | 39601 | 40 |
| 70 | 62779 | 23197 | 76803 | 39582 | 30 |
| 80 | 63025 | 23462 | 76538 | 39563 | 20 |
| 90 | 63272 | 23728 | 76272 | 39544 | 10 |
| **20 oo** | 63518 | 23993 | 76007 | 39525 | **80 oo** |
| | **9.42** | **9.44** | **0.55** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 82g |
| | 246 | 265 | 265 | 19 | |

| | 267 | 266 | 265 | 248 | 247 | 246 | 19 | 18 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 26,7 | 26,6 | 26,5 | 24,8 | 24,7 | 24,6 | 1,9 | 1,8 | 1 |
| 2 | 53,4 | 53,2 | 53,0 | 49,6 | 49,4 | 49,2 | 3,8 | 3,6 | 2 |
| 3 | 80,1 | 79,8 | 79,5 | 74,4 | 74,1 | 73,8 | 5,7 | 5,4 | 3 |
| 4 | 106,8 | 106,4 | 106,0 | 99,2 | 98,8 | 98,4 | 7,6 | 7,2 | 4 |
| 5 | 133,5 | 133,0 | 132,5 | 124,0 | 123,5 | 123,0 | 9,5 | 9,0 | 5 |
| 6 | 160,2 | 159,6 | 159,0 | 148,8 | 148,2 | 147,6 | 11,4 | 10,8 | 6 |
| 7 | 186,9 | 186,2 | 185,5 | 173,6 | 172,9 | 172,2 | 13,3 | 12,6 | 7 |
| 8 | 213,6 | 212,8 | 212,0 | 198,4 | 197,6 | 196,8 | 15,2 | 14,4 | 8 |
| 9 | 240,3 | 239,4 | 238,5 | 223,2 | 222,3 | 221,4 | 17,1 | 16,2 | 9 |

| 17g | 247 | 266 | 266 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.42** | **9.44** | **0.55** | **9.98** | |
| **20 oo** | 63518 | 23993 | 76007 | 39525 | **80 oo** |
| 10 | 63764 | 24258 | 75742 | 39506 | 90 |
| 20 | 64011 | 24523 | 75477 | 39488 | 80 |
| 30 | 64257 | 24788 | 75212 | 39469 | 70 |
| 40 | 64503 | 25054 | 74946 | 39450 | 60 |
| 50 | 64750 | 25319 | 74681 | 39431 | 50 |
| 60 | 64996 | 25584 | 74416 | 39412 | 40 |
| 70 | 65242 | 25849 | 74151 | 39393 | 30 |
| 80 | 65488 | 26114 | 73886 | 39374 | 20 |
| 90 | 65734 | 26379 | 73621 | 39355 | 10 |
| **21 oo** | 65981 | 26644 | 73356 | 39336 | **79 oo** |
| 10 | 66227 | 26909 | 73091 | 39317 | 90 |
| 20 | 66473 | 27174 | 72826 | 39298 | 80 |
| 30 | 66719 | 27439 | 72561 | 39280 | 70 |
| 40 | 66965 | 27704 | 72296 | 39261 | 60 |
| 50 | 67211 | 27969 | 72031 | 39242 | 50 |
| 60 | 67457 | 28234 | 71766 | 39223 | 40 |
| 70 | 67703 | 28499 | 71501 | 39204 | 30 |
| 80 | 67949 | 28764 | 71236 | 39185 | 20 |
| 90 | 68196 | 29029 | 70971 | 39166 | 10 |
| **22 oo** | 68442 | 29294 | 70706 | 39147 | **78 oo** |
| 10 | 68688 | 29559 | 70441 | 39128 | 90 |
| 20 | 68934 | 29824 | 70176 | 39109 | 80 |
| 30 | 69180 | 30089 | 69911 | 39090 | 70 |
| 40 | 69426 | 30354 | 69646 | 39072 | 60 |
| 50 | 69671 | 30619 | 69381 | 39053 | 50 |
| 60 | 69917 | 30884 | 69116 | 39034 | 40 |
| 70 | 70163 | 31149 | 68851 | 39015 | 30 |
| 80 | 70409 | 31413 | 68587 | 38996 | 20 |
| 90 | 70655 | 31678 | 68322 | 38977 | 10 |
| **23 oo** | 70901 | 31943 | 68057 | 38958 | **77 oo** |
| 10 | 71147 | 32208 | 67792 | 38939 | 90 |
| 20 | 71393 | 32473 | 67527 | 38920 | 80 |
| 30 | 71639 | 32737 | 67263 | 38901 | 70 |
| 40 | 71884 | 33002 | 66998 | 38882 | 60 |
| 50 | 72130 | 33267 | 66733 | 38863 | 50 |
| 60 | 72376 | 33532 | 66468 | 38844 | 40 |
| 70 | 72622 | 33796 | 66204 | 38825 | 30 |
| 80 | 72868 | 34061 | 65939 | 38807 | 20 |
| 90 | 73113 | 34326 | 65674 | 38788 | 10 |
| **24 oo** | 73359 | 34590 | 65410 | 38769 | **76 oo** |
| 10 | 73605 | 34855 | 65145 | 38750 | 90 |
| 20 | 73850 | 35120 | 64880 | 38731 | 80 |
| 30 | 74096 | 35384 | 64616 | 38712 | 70 |
| 40 | 74342 | 35649 | 64351 | 38693 | 60 |
| 50 | 74587 | 35913 | 64087 | 38674 | 50 |
| 60 | 74833 | 36178 | 63822 | 38655 | 40 |
| 70 | 75079 | 36443 | 63557 | 38636 | 30 |
| 80 | 75324 | 36707 | 63293 | 38617 | 20 |
| 90 | 75570 | 36972 | 63028 | 38598 | 10 |
| **25 oo** | 75815 | 37236 | 62764 | 38579 | **75 oo** |
| | **9.42** | **9.44** | **0.55** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $82^g$ |
| | 245 | 264 | 264 | 19 | |

| 17g | 246 | 265 | 265 | 18 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.42** | **9.44** | **0.55** | **9.98** | |
| **25 oo** | 75815 | 37236 | 62764 | 38579 | **75 oo** |
| 10 | 76061 | 37501 | 62499 | 38560 | 90 |
| 20 | 76307 | 37765 | 62235 | 38541 | 80 |
| 30 | 76552 | 38030 | 61970 | 38522 | 70 |
| 40 | 76798 | 38294 | 61706 | 38503 | 60 |
| 50 | 77043 | 38559 | 61441 | 38484 | 50 |
| 60 | 77289 | 38823 | 61177 | 38465 | 40 |
| 70 | 77534 | 39088 | 60912 | 38447 | 30 |
| 80 | 77780 | 39352 | 60648 | 38428 | 20 |
| 90 | 78025 | 39616 | 60384 | 38409 | 10 |
| **26 oo** | 78270 | 39881 | 60119 | 38390 | **74 oo** |
| 10 | 78516 | 40145 | 59855 | 38371 | 90 |
| 20 | 78761 | 40410 | 59590 | 38352 | 80 |
| 30 | 79007 | 40674 | 59326 | 38333 | 70 |
| 40 | 79252 | 40938 | 59062 | 38314 | 60 |
| 50 | 79497 | 41203 | 58797 | 38295 | 50 |
| 60 | 79743 | 41467 | 58533 | 38276 | 40 |
| 70 | 79988 | 41731 | 58269 | 38257 | 30 |
| 80 | 80233 | 41995 | 58005 | 38238 | 20 |
| 90 | 80479 | 42260 | 57740 | 38219 | 10 |
| **27 oo** | 80724 | 42524 | 57476 | 38200 | **73 oo** |
| 10 | 80969 | 42788 | 57212 | 38181 | 90 |
| 20 | 81214 | 43052 | 56948 | 38162 | 80 |
| 30 | 81460 | 43317 | 56683 | 38143 | 70 |
| 40 | 81705 | 43581 | 56419 | 38124 | 60 |
| 50 | 81950 | 43845 | 56155 | 38105 | 50 |
| 60 | 82195 | 44109 | 55891 | 38086 | 40 |
| 70 | 82441 | 44373 | 55627 | 38067 | 30 |
| 80 | 82686 | 44638 | 55362 | 38048 | 20 |
| 90 | 82931 | 44902 | 55098 | 38029 | 10 |
| **28 oo** | 83176 | 45166 | 54834 | 38010 | **72 oo** |
| 10 | 83421 | 45430 | 54570 | 37991 | 90 |
| 20 | 83666 | 45694 | 54306 | 37972 | 80 |
| 30 | 83911 | 45958 | 54042 | 37953 | 70 |
| 40 | 84156 | 46222 | 53778 | 37934 | 60 |
| 50 | 84401 | 46486 | 53514 | 37915 | 50 |
| 60 | 84646 | 46750 | 53250 | 37896 | 40 |
| 70 | 84891 | 47014 | 52986 | 37877 | 30 |
| 80 | 85136 | 47278 | 52722 | 37858 | 20 |
| 90 | 85381 | 47542 | 52458 | 37839 | 10 |
| **29 oo** | 85626 | 47806 | 52194 | 37820 | **71 oo** |
| 10 | 85871 | 48070 | 51930 | 37801 | 90 |
| 20 | 86116 | 48334 | 51666 | 37782 | 80 |
| 30 | 86361 | 48598 | 51402 | 37763 | 70 |
| 40 | 86606 | 48862 | 51138 | 37744 | 60 |
| 50 | 86851 | 49126 | 50874 | 37725 | 50 |
| 60 | 87096 | 49390 | 50610 | 37706 | 40 |
| 70 | 87341 | 49654 | 50346 | 37687 | 30 |
| 80 | 87586 | 49918 | 50082 | 37668 | 20 |
| 90 | 87831 | 50181 | 49819 | 37649 | 10 |
| **30 oo** | 88075 | 50445 | 49555 | 37630 | **70 oo** |
| | **9.42** | **9.44** | **0.55** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $82^g$ |
| | 244 | 263 | 263 | 19 | |

| | 266 | 265 | 264 | 263 | 247 | 246 | 245 | 244 | 19 | 18 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 26,6 | 26,5 | 26,4 | 26,3 | 24,7 | 24,6 | 24,5 | 24,4 | 1,9 | 1,8 | 1 |
| 2 | 53,2 | 53,0 | 52,8 | 52,6 | 49,4 | 49,2 | 49,0 | 48,8 | 3,8 | 3,6 | 2 |
| 3 | 79,8 | 79,5 | 79,2 | 78,9 | 74,1 | 73,8 | 73,5 | 73,2 | 5,7 | 5,4 | 3 |
| 4 | 106,4 | 106,0 | 105,6 | 105,2 | 98,8 | 98,4 | 98,0 | 97,6 | 7,6 | 7,2 | 4 |
| 5 | 133,0 | 132,5 | 132,0 | 131,5 | 123,5 | 123,0 | 122,5 | 122,0 | 9,5 | 9,0 | 5 |
| 6 | 159,6 | 159,0 | 158,4 | 157,8 | 148,2 | 147,6 | 147,0 | 146,4 | 11,4 | 10,8 | 6 |
| 7 | 186,2 | 185,5 | 184,8 | 184,1 | 172,9 | 172,2 | 171,5 | 170,8 | 13,3 | 12,6 | 7 |
| 8 | 212,8 | 212,0 | 211,2 | 210,4 | 197,6 | 196,8 | 196,0 | 195,2 | 15,2 | 14,4 | 8 |
| 9 | 239,4 | 238,5 | 237,6 | 236,7 | 222,3 | 221,4 | 220,5 | 219,6 | 17,1 | 16,2 | 9 |

| 17g | 245 | 264 | 264 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·42** | **9·44** | **0·55** | **9·98** | |
| **30 oo** | 88075 | 50445 | 49555 | 37630 | **70 oo** |
| 10 | 88320 | 50709 | 49291 | 37611 | 90 |
| 20 | 88565 | 50973 | 49027 | 37592 | 80 |
| 30 | 88810 | 51237 | 48763 | 37573 | 70 |
| 40 | 89055 | 51500 | 48500 | 37554 | 60 |
| 50 | 89299 | 51764 | 48236 | 37535 | 50 |
| 60 | 89544 | 52028 | 47972 | 37516 | 40 |
| 70 | 89789 | 52292 | 47708 | 37497 | 30 |
| 80 | 90034 | 52556 | 47444 | 37478 | 20 |
| 90 | 90278 | 52819 | 47181 | 37459 | 10 |
| **31 oo** | 90523 | 53083 | 46917 | 37440 | **69 oo** |
| 10 | 90768 | 53347 | 46653 | 37421 | 90 |
| 20 | 91012 | 53610 | 46390 | 37402 | 80 |
| 30 | 91257 | 53874 | 46126 | 37383 | 70 |
| 40 | 91502 | 54138 | 45862 | 37364 | 60 |
| 50 | 91746 | 54401 | 45599 | 37345 | 50 |
| 60 | 91991 | 54665 | 45335 | 37326 | 40 |
| 70 | 92235 | 54928 | 45072 | 37307 | 30 |
| 80 | 92480 | 55192 | 44808 | 37288 | 20 |
| 90 | 92725 | 55456 | 44544 | 37269 | 10 |
| **32 oo** | 92969 | 55719 | 44281 | 37250 | **68 oo** |
| 10 | 93214 | 55983 | 44017 | 37231 | 90 |
| 20 | 93458 | 56246 | 43754 | 37212 | 80 |
| 30 | 93703 | 56510 | 43490 | 37193 | 70 |
| 40 | 93947 | 56773 | 43227 | 37174 | 60 |
| 50 | 94192 | 57037 | 42963 | 37155 | 50 |
| 60 | 94436 | 57300 | 42700 | 37136 | 40 |
| 70 | 94680 | 57564 | 42436 | 37117 | 30 |
| 80 | 94925 | 57827 | 42173 | 37098 | 20 |
| 90 | 95169 | 58091 | 41909 | 37078 | 10 |
| **33 oo** | 95414 | 58354 | 41646 | 37059 | **67 oo** |
| 10 | 95658 | 58618 | 41382 | 37040 | 90 |
| 20 | 95902 | 58881 | 41119 | 37021 | 80 |
| 30 | 96147 | 59144 | 40856 | 37002 | 70 |
| 40 | 96391 | 59408 | 40592 | 36983 | 60 |
| 50 | 96635 | 59671 | 40329 | 36964 | 50 |
| 60 | 96880 | 59934 | 40066 | 36945 | 40 |
| 70 | 97124 | 60198 | 39802 | 36926 | 30 |
| 80 | 97368 | 60461 | 39539 | 36907 | 20 |
| 90 | 97612 | 60724 | 39276 | 36888 | 10 |
| **34 oo** | 97857 | 60988 | 39012 | 36869 | **66 oo** |
| 10 | 98101 | 61251 | 38749 | 36850 | 90 |
| 20 | 98345 | 61514 | 38486 | 36831 | 80 |
| 30 | 98589 | 61778 | 38222 | 36812 | 70 |
| 40 | 98833 | 62041 | 37959 | 36793 | 60 |
| 50 | 99078 | 62304 | 37696 | 36774 | 50 |
| 60 | 99322 | 62567 | 37433 | 36755 | 40 |
| 70 | 99566 | 62830 | 37170 | 36736 | 30 |
| 80 | 99810 | 63094 | 36906 | 36716 | 20 |
| 90 | *00054 | 63357 | 36643 | 36697 | 10 |
| **35 oo** | *00298 | 63620 | 36380 | 36678 | **65 oo** |
| | ***9·43** | **9·44** | **0·55** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | **82g** |
| | 244 | 263 | 263 | 20 | |

| 17g | 245 | 264 | 264 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·43** | **9·44** | **0·55** | **9·98** | |
| **35 oo** | 00298 | 63620 | 36380 | 36678 | **65 oo** |
| 10 | 00542 | 63883 | 36117 | 36659 | 90 |
| 20 | 00786 | 64146 | 35854 | 36640 | 80 |
| 30 | 01030 | 64409 | 35591 | 36621 | 70 |
| 40 | 01275 | 64672 | 35328 | 36602 | 60 |
| 50 | 01519 | 64936 | 35064 | 36583 | 50 |
| 60 | 01763 | 65199 | 34801 | 36564 | 40 |
| 70 | 02007 | 65462 | 34538 | 36545 | 30 |
| 80 | 02250 | 65725 | 34275 | 36526 | 20 |
| 90 | 02494 | 65988 | 34012 | 36507 | 10 |
| **36 oo** | 02738 | 66251 | 33749 | 36488 | **64 oo** |
| 10 | 02982 | 66514 | 33486 | 36469 | 90 |
| 20 | 03226 | 66777 | 33223 | 36449 | 80 |
| 30 | 03470 | 67040 | 32960 | 36430 | 70 |
| 40 | 03714 | 67303 | 32697 | 36411 | 60 |
| 50 | 03958 | 67566 | 32434 | 36392 | 50 |
| 60 | 04202 | 67829 | 32171 | 36373 | 40 |
| 70 | 04446 | 68092 | 31908 | 36354 | 30 |
| 80 | 04689 | 68354 | 31646 | 36335 | 20 |
| 90 | 04933 | 68617 | 31383 | 36316 | 10 |
| **37 oo** | 05177 | 68880 | 31120 | 36297 | **63 oo** |
| 10 | 05421 | 69143 | 30857 | 36278 | 90 |
| 20 | 05665 | 69406 | 30594 | 36259 | 80 |
| 30 | 05908 | 69669 | 30331 | 36240 | 70 |
| 40 | 06152 | 69932 | 30068 | 36220 | 60 |
| 50 | 06396 | 70194 | 29806 | 36201 | 50 |
| 60 | 06640 | 70457 | 29543 | 36182 | 40 |
| 70 | 06883 | 70720 | 29280 | 36163 | 30 |
| 80 | 07127 | 70983 | 29017 | 36144 | 20 |
| 90 | 07371 | 71246 | 28754 | 36125 | 10 |
| **38 oo** | 07614 | 71508 | 28492 | 36106 | **62 oo** |
| 10 | 07858 | 71771 | 28229 | 36087 | 90 |
| 20 | 08101 | 72034 | 27966 | 36068 | 80 |
| 30 | 08345 | 72297 | 27703 | 36049 | 70 |
| 40 | 08589 | 72559 | 27441 | 36029 | 60 |
| 50 | 08832 | 72822 | 27178 | 36010 | 50 |
| 60 | 09076 | 73085 | 26915 | 35991 | 40 |
| 70 | 09319 | 73347 | 26653 | 35972 | 30 |
| 80 | 09563 | 73610 | 26390 | 35953 | 20 |
| 90 | 09806 | 73873 | 26127 | 35934 | 10 |
| **39 oo** | 10050 | 74135 | 25865 | 35915 | **61 oo** |
| 10 | 10293 | 74398 | 25602 | 35896 | 90 |
| 20 | 10537 | 74660 | 25340 | 35877 | 80 |
| 30 | 10780 | 74923 | 25077 | 35857 | 70 |
| 40 | 11024 | 75185 | 24815 | 35838 | 60 |
| 50 | 11267 | 75448 | 24552 | 35819 | 50 |
| 60 | 11511 | 75711 | 24289 | 35800 | 40 |
| 70 | 11754 | 75973 | 24027 | 35781 | 30 |
| 80 | 11997 | 76236 | 23764 | 35762 | 20 |
| 90 | 12241 | 76498 | 23502 | 35743 | 10 |
| **40 oo** | 12484 | 76761 | 23239 | 35724 | **60 oo** |
| | **9·43** | **9·44** | **0·55** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | **82g** |
| | 243 | 262 | 262 | 20 | |

| | 264 | 263 | 262 | 245 | 244 | 243 | 20 | 19 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 26,4 | 26,3 | 26,2 | 24,5 | 24,4 | 24,3 | 2,0 | 1,9 | 1 |
| 2 | 52,8 | 52,6 | 52,4 | 49,0 | 48,8 | 48,6 | 4,0 | 3,8 | 2 |
| 3 | 79,2 | 78,9 | 78,6 | 73,5 | 73,2 | 72,9 | 6,0 | 5,7 | 3 |
| 4 | 105,6 | 105,2 | 104,8 | 98,0 | 97,6 | 97,2 | 8,0 | 7,6 | 4 |
| 5 | 132,0 | 131,5 | 131,0 | 122,5 | 122,0 | 121,5 | 10,0 | 9,5 | 5 |
| 6 | 158,4 | 157,8 | 157,2 | 147,0 | 146,4 | 145,8 | 12,0 | 11,4 | 6 |
| 7 | 184,8 | 184,1 | 183,4 | 171,5 | 170,8 | 170,1 | 14,0 | 13,3 | 7 |
| 8 | 211,2 | 210,4 | 209,6 | 196,0 | 195,2 | 194,4 | 16,0 | 15,2 | 8 |
| 9 | 237,6 | 236,7 | 235,8 | 220,5 | 219,6 | 218,7 | 18,0 | 17,1 | 9 |

| 17g | 244 | 263 | 263 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·43** | **9·44** | **0·55** | **9·98** | |
| **40 oo** | 12484 | 76761 | 23239 | 35724 | **60 oo** |
| 10 | 12727 | 77023 | 22977 | 35704 | 90 |
| 20 | 12971 | 77285 | 22715 | 35685 | 80 |
| 30 | 13214 | 77548 | 22452 | 35666 | 70 |
| 40 | 13457 | 77810 | 22190 | 35647 | 60 |
| 50 | 13701 | 78073 | 21927 | 35628 | 50 |
| 60 | 13944 | 78335 | 21665 | 35609 | 40 |
| 70 | 14187 | 78597 | 21403 | 35590 | 30 |
| 80 | 14430 | 78860 | 21140 | 35571 | 20 |
| 90 | 14674 | 79122 | 20878 | 35551 | 10 |
| **41 oo** | 14917 | 79385 | 20615 | 35532 | **59 oo** |
| 10 | 15160 | 79647 | 20353 | 35513 | 90 |
| 20 | 15403 | 79909 | 20091 | 35494 | 80 |
| 30 | 15646 | 80172 | 19828 | 35475 | 70 |
| 40 | 15890 | 80434 | 19566 | 35456 | 60 |
| 50 | 16133 | 80696 | 19304 | 35437 | 50 |
| 60 | 16376 | 80958 | 19042 | 35417 | 40 |
| 70 | 16619 | 81221 | 18779 | 35398 | 30 |
| 80 | 16862 | 81483 | 18517 | 35379 | 20 |
| 90 | 17105 | 81745 | 18255 | 35360 | 10 |
| **42 oo** | 17348 | 82007 | 17993 | 35341 | **58 oo** |
| 10 | 17591 | 82269 | 17731 | 35322 | 90 |
| 20 | 17834 | 82532 | 17468 | 35303 | 80 |
| 30 | 18077 | 82794 | 17206 | 35283 | 70 |
| 40 | 18320 | 83056 | 16944 | 35264 | 60 |
| 50 | 18563 | 83318 | 16682 | 35245 | 50 |
| 60 | 18806 | 83580 | 16420 | 35226 | 40 |
| 70 | 19049 | 83842 | 16158 | 35207 | 30 |
| 80 | 19292 | 84104 | 15896 | 35188 | 20 |
| 90 | 19535 | 84367 | 15633 | 35169 | 10 |
| **43 oo** | 19778 | 84629 | 15371 | 35149 | **57 oo** |
| 10 | 20021 | 84891 | 15109 | 35130 | 90 |
| 20 | 20264 | 85153 | 14847 | 35111 | 80 |
| 30 | 20507 | 85415 | 14585 | 35092 | 70 |
| 40 | 20749 | 85677 | 14323 | 35073 | 60 |
| 50 | 20992 | 85939 | 14061 | 35054 | 50 |
| 60 | 21235 | 86201 | 13799 | 35034 | 40 |
| 70 | 21478 | 86463 | 13537 | 35015 | 30 |
| 80 | 21721 | 86725 | 13275 | 34996 | 20 |
| 90 | 21964 | 86987 | 13013 | 34977 | 10 |
| **44 oo** | 22206 | 87249 | 12751 | 34958 | **56 oo** |
| 10 | 22449 | 87511 | 12489 | 34939 | 90 |
| 20 | 22692 | 87772 | 12228 | 34919 | 80 |
| 30 | 22935 | 88034 | 11966 | 34900 | 70 |
| 40 | 23177 | 88296 | 11704 | 34881 | 60 |
| 50 | 23420 | 88558 | 11442 | 34862 | 50 |
| 60 | 23663 | 88820 | 11180 | 34843 | 40 |
| 70 | 23905 | 89082 | 10918 | 34823 | 30 |
| 80 | 24148 | 89344 | 10656 | 34804 | 20 |
| 90 | 24391 | 89605 | 10395 | 34785 | 10 |
| **45 oo** | 24633 | 89867 | 10133 | 34766 | **55 oo** |
| | **9·43** | **9·44** | **0·55** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | 82g |
| | 242 | 261 | 261 | 20 | |

| 17g | 243 | 262 | 262 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·43** | **9·44** | **0·55** | **9·98** | |
| **45 oo** | 24633 | 89867 | 10133 | 34766 | **55 oo** |
| 10 | 24876 | 90129 | 09871 | 34747 | 90 |
| 20 | 25118 | 90391 | 09609 | 34728 | 80 |
| 30 | 25361 | 90653 | 09347 | 34708 | 70 |
| 40 | 25604 | 90914 | 09086 | 34689 | 60 |
| 50 | 25846 | 91176 | 08824 | 34670 | 50 |
| 60 | 26089 | 91438 | 08562 | 34651 | 40 |
| 70 | 26331 | 91699 | 08301 | 34632 | 30 |
| 80 | 26574 | 91961 | 08039 | 34612 | 20 |
| 90 | 26816 | 92223 | 07777 | 34593 | 10 |
| **46 oo** | 27059 | 92485 | 07515 | 34574 | **54 oo** |
| 10 | 27301 | 92746 | 07254 | 34555 | 90 |
| 20 | 27543 | 93008 | 06992 | 34536 | 80 |
| 30 | 27786 | 93269 | 06731 | 34516 | 70 |
| 40 | 28028 | 93531 | 06469 | 34497 | 60 |
| 50 | 28271 | 93793 | 06207 | 34478 | 50 |
| 60 | 28513 | 94054 | 05946 | 34459 | 40 |
| 70 | 28756 | 94316 | 05684 | 34440 | 30 |
| 80 | 28998 | 94577 | 05423 | 34420 | 20 |
| 90 | 29240 | 94839 | 05161 | 34401 | 10 |
| **47 oo** | 29483 | 95100 | 04900 | 34382 | **53 oo** |
| 10 | 29725 | 95362 | 04638 | 34363 | 90 |
| 20 | 29967 | 95624 | 04376 | 34344 | 80 |
| 30 | 30209 | 95885 | 04115 | 34324 | 70 |
| 40 | 30452 | 96146 | 03854 | 34305 | 60 |
| 50 | 30694 | 96408 | 03592 | 34286 | 50 |
| 60 | 30936 | 96669 | 03331 | 34267 | 40 |
| 70 | 31178 | 96931 | 03069 | 34248 | 30 |
| 80 | 31421 | 97192 | 02808 | 34228 | 20 |
| 90 | 31663 | 97454 | 02546 | 34209 | 10 |
| **48 oo** | 31905 | 97715 | 02285 | 34190 | **52 oo** |
| 10 | 32147 | 97976 | 02024 | 34171 | 90 |
| 20 | 32389 | 98238 | 01762 | 34152 | 80 |
| 30 | 32632 | 98499 | 01501 | 34132 | 70 |
| 40 | 32874 | 98761 | 01239 | 34113 | 60 |
| 50 | 33116 | 99022 | 00978 | 34094 | 50 |
| 60 | 33358 | 99283 | 00717 | 34075 | 40 |
| 70 | 33600 | 99545 | 00455 | 34055 | 30 |
| 80 | 33842 | 99806 | 00194 | 34036 | 20 |
| 90 | 34084 | *00067 | *99933 | 34017 | 10 |
| **49 oo** | 34326 | *00328 | *99672 | 33998 | **51 oo** |
| 10 | 34568 | *00590 | *99410 | 33979 | 90 |
| 20 | 34810 | *00851 | *99149 | 33959 | 80 |
| 30 | 35052 | *01112 | *98888 | 33940 | 70 |
| 40 | 35294 | *01373 | *98627 | 33921 | 60 |
| 50 | 35536 | *01634 | *98366 | 33902 | 50 |
| 60 | 35778 | *01896 | *98104 | 33882 | 40 |
| 70 | 36020 | *02157 | *97843 | 33863 | 30 |
| 80 | 36262 | *02418 | *97582 | 33844 | 20 |
| 90 | 36504 | *02679 | *97321 | 33825 | 10 |
| **50 oo** | 36746 | *02940 | *97060 | 33805 | **50 oo** |
| | **9·43** | ***9·45** | ***0·54** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | 82g |
| | 242 | 261 | 261 | 20 | |

| | 263 | 262 | 261 | 244 | 243 | 242 | 20 | 19 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 26,3 | 26,2 | 26,1 | 24,4 | 24,3 | 24,2 | 2,0 | 1,9 | 1 |
| 2 | 52,6 | 52,4 | 52,2 | 48,8 | 48,6 | 48,4 | 4,0 | 3,8 | 2 |
| 3 | 78,9 | 78,6 | 78,3 | 73,2 | 72,9 | 72,6 | 6,0 | 5,7 | 3 |
| 4 | 105,2 | 104,8 | 104,4 | 97,6 | 97,2 | 96,8 | 8,0 | 7,6 | 4 |
| 5 | 131,5 | 131,0 | 130,5 | 122,0 | 121,5 | 121,0 | 10,0 | 9,5 | 5 |
| 6 | 157,8 | 157,2 | 156,6 | 146,4 | 145,8 | 145,2 | 12,0 | 11,4 | 6 |
| 7 | 184,1 | 183,4 | 182,7 | 170,8 | 170,1 | 169,4 | 14,0 | 13,3 | 7 |
| 8 | 210,4 | 209,6 | 208,8 | 195,2 | 194,4 | 193,6 | 16,0 | 15,2 | 8 |
| 9 | 236,7 | 235,8 | 234,9 | 219,6 | 218,7 | 217,8 | 18,0 | 17,1 | 9 |

| 17g | 242 | 262 | 262 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·43** | **9·45** | **0·54** | **9·98** | |
| **50 oo** | 36746 | 02940 | 97060 | 33805 | **50 oo** |
| 10 | 36988 | 03201 | 96799 | 33786 | 90 |
| 20 | 37229 | 03462 | 96538 | 33767 | 80 |
| 30 | 37471 | 03724 | 96276 | 33748 | 70 |
| 40 | 37713 | 03985 | 96015 | 33728 | 60 |
| 50 | 37955 | 04246 | 95754 | 33709 | 50 |
| 60 | 38197 | 04507 | 95493 | 33690 | 40 |
| 70 | 38439 | 04768 | 95232 | 33671 | 30 |
| 80 | 38680 | 05029 | 94971 | 33651 | 20 |
| 90 | 38922 | 05290 | 94710 | 33632 | 10 |
| **51 oo** | 39164 | 05551 | 94449 | 33613 | **49 oo** |
| 10 | 39406 | 05812 | 94188 | 33594 | 90 |
| 20 | 39647 | 06073 | 93927 | 33574 | 80 |
| 30 | 39889 | 06334 | 93666 | 33555 | 70 |
| 40 | 40131 | 06595 | 93405 | 33536 | 60 |
| 50 | 40372 | 06856 | 93144 | 33517 | 50 |
| 60 | 40614 | 07117 | 92883 | 33497 | 40 |
| 70 | 40856 | 07377 | 92623 | 33478 | 30 |
| 80 | 41097 | 07638 | 92362 | 33459 | 20 |
| 90 | 41339 | 07899 | 92101 | 33440 | 10 |
| **52 oo** | 41580 | 08160 | 91840 | 33420 | **48 oo** |
| 10 | 41822 | 08421 | 91579 | 33401 | 90 |
| 20 | 42064 | 08682 | 91318 | 33382 | 80 |
| 30 | 42305 | 08943 | 91057 | 33363 | 70 |
| 40 | 42547 | 09203 | 90797 | 33343 | 60 |
| 50 | 42788 | 09464 | 90536 | 33324 | 50 |
| 60 | 43030 | 09725 | 90275 | 33305 | 40 |
| 70 | 43271 | 09986 | 90014 | 33286 | 30 |
| 80 | 43513 | 10247 | 89753 | 33266 | 20 |
| 90 | 43754 | 10507 | 89493 | 33247 | 10 |
| **53 oo** | 43996 | 10768 | 89232 | 33228 | **47 oo** |
| 10 | 44237 | 11029 | 88971 | 33208 | 90 |
| 20 | 44479 | 11289 | 88711 | 33189 | 80 |
| 30 | 44720 | 11550 | 88450 | 33170 | 70 |
| 40 | 44961 | 11811 | 88189 | 33151 | 60 |
| 50 | 45203 | 12071 | 87929 | 33131 | 50 |
| 60 | 45444 | 12332 | 87668 | 33112 | 40 |
| 70 | 45685 | 12593 | 87407 | 33093 | 30 |
| 80 | 45927 | 12853 | 87147 | 33073 | 20 |
| 90 | 46168 | 13114 | 86886 | 33054 | 10 |
| **54 oo** | 46409 | 13375 | 86625 | 33035 | **46 oo** |
| 10 | 46651 | 13635 | 86365 | 33016 | 90 |
| 20 | 46892 | 13896 | 86104 | 32996 | 80 |
| 30 | 47133 | 14156 | 85844 | 32977 | 70 |
| 40 | 47375 | 14417 | 85583 | 32958 | 60 |
| 50 | 47616 | 14677 | 85323 | 32938 | 50 |
| 60 | 47857 | 14938 | 85062 | 32919 | 40 |
| 70 | 48098 | 15198 | 84802 | 32900 | 30 |
| 80 | 48339 | 15459 | 84541 | 32881 | 20 |
| 90 | 48581 | 15719 | 84281 | 32861 | 10 |
| **55 oo** | 48822 | 15980 | 84020 | 32842 | **45 oo** |
| | **9·43** | **9·45** | **0·54** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | 82g |
| | 241 | 260 | 260 | 20 | |

| 17g | 242 | 261 | 261 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·43** | **9·45** | **0·54** | **9·98** | |
| **55 oo** | 48822 | 15980 | 84020 | 32842 | **45 oo** |
| 10 | 49063 | 16240 | 83760 | 32823 | 90 |
| 20 | 49304 | 16501 | 83499 | 32803 | 80 |
| 30 | 49545 | 16761 | 83239 | 32784 | 70 |
| 40 | 49786 | 17022 | 82978 | 32765 | 60 |
| 50 | 50027 | 17282 | 82718 | 32745 | 50 |
| 60 | 50269 | 17542 | 82458 | 32726 | 40 |
| 70 | 50510 | 17803 | 82197 | 32707 | 30 |
| 80 | 50751 | 18063 | 81937 | 32688 | 20 |
| 90 | 50992 | 18323 | 81677 | 32668 | 10 |
| **56 oo** | 51233 | 18584 | 81416 | 32649 | **44 oo** |
| 10 | 51474 | 18844 | 81156 | 32630 | 90 |
| 20 | 51715 | 19104 | 80896 | 32610 | 80 |
| 30 | 51956 | 19365 | 80635 | 32591 | 70 |
| 40 | 52197 | 19625 | 80375 | 32572 | 60 |
| 50 | 52438 | 19885 | 80115 | 32552 | 50 |
| 60 | 52679 | 20145 | 79855 | 32533 | 40 |
| 70 | 52919 | 20406 | 79594 | 32514 | 30 |
| 80 | 53160 | 20666 | 79334 | 32494 | 20 |
| 90 | 53401 | 20926 | 79074 | 32475 | 10 |
| **57 oo** | 53642 | 21186 | 78814 | 32456 | **43 oo** |
| 10 | 53883 | 21447 | 78553 | 32436 | 90 |
| 20 | 54124 | 21707 | 78293 | 32417 | 80 |
| 30 | 54365 | 21967 | 78033 | 32398 | 70 |
| 40 | 54605 | 22227 | 77773 | 32378 | 60 |
| 50 | 54846 | 22487 | 77513 | 32359 | 50 |
| 60 | 55087 | 22747 | 77253 | 32340 | 40 |
| 70 | 55328 | 23007 | 76993 | 32321 | 30 |
| 80 | 55569 | 23267 | 76733 | 32301 | 20 |
| 90 | 55809 | 23528 | 76472 | 32282 | 10 |
| **58 oo** | 56050 | 23788 | 76212 | 32263 | **42 oo** |
| 10 | 56291 | 24048 | 75952 | 32243 | 90 |
| 20 | 56532 | 24308 | 75692 | 32224 | 80 |
| 30 | 56772 | 24568 | 75432 | 32205 | 70 |
| 40 | 57013 | 24828 | 75172 | 32185 | 60 |
| 50 | 57254 | 25088 | 74912 | 32166 | 50 |
| 60 | 57494 | 25348 | 74652 | 32147 | 40 |
| 70 | 57735 | 25608 | 74392 | 32127 | 30 |
| 80 | 57975 | 25868 | 74132 | 32108 | 20 |
| 90 | 58216 | 26128 | 73872 | 32088 | 10 |
| **59 oo** | 58457 | 26388 | 73612 | 32069 | **41 oo** |
| 10 | 58697 | 26647 | 73353 | 32050 | 90 |
| 20 | 58938 | 26907 | 73093 | 32030 | 80 |
| 30 | 59178 | 27167 | 72833 | 32011 | 70 |
| 40 | 59419 | 27427 | 72573 | 31992 | 60 |
| 50 | 59659 | 27687 | 72313 | 31972 | 50 |
| 60 | 59900 | 27947 | 72053 | 31953 | 40 |
| 70 | 60140 | 28207 | 71793 | 31934 | 30 |
| 80 | 60381 | 28467 | 71533 | 31914 | 20 |
| 90 | 60621 | 28726 | 71274 | 31895 | 10 |
| **60 oo** | 60862 | 28986 | 71014 | 31876 | **40 oo** |
| | **9·43** | **9·45** | **0·54** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | 82g |
| | 240 | 259 | 259 | 20 | |

| | 262 | 261 | 260 | 259 | 242 | 241 | 240 | 20 | 19 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 26,2 | 26,1 | 26,0 | 25,9 | 24,2 | 24,1 | 24,0 | 2,0 | 1,9 | 1 |
| 2 | 52,4 | 52,2 | 52,0 | 51,8 | 48,4 | 48,2 | 48,0 | 4,0 | 3,8 | 2 |
| 3 | 78,6 | 78,3 | 78,0 | 77,7 | 72,6 | 72,3 | 72,0 | 6,0 | 5,7 | 3 |
| 4 | 104,8 | 104,4 | 104,0 | 103,6 | 96,8 | 96,4 | 96,0 | 8,0 | 7,6 | 4 |
| 5 | 131,0 | 130,5 | 130,0 | 129,5 | 121,0 | 120,5 | 120,0 | 10,0 | 9,5 | 5 |
| 6 | 157,2 | 156,6 | 156,0 | 155,4 | 145,2 | 144,6 | 144,0 | 12,0 | 11,4 | 6 |
| 7 | 183,4 | 182,7 | 182,0 | 181,3 | 169,4 | 168,7 | 168,0 | 14,0 | 13,3 | 7 |
| 8 | 209,6 | 208,8 | 208,0 | 207,2 | 193,6 | 192,8 | 192,0 | 16,0 | 15,2 | 8 |
| 9 | 235,8 | 234,9 | 234,0 | 233,1 | 217,8 | 216,9 | 216,0 | 18,0 | 17,1 | 9 |

| 17g | 241 | 260 | 260 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·43** | **9·45** | **0·54** | **9·98** | |
| **60 oo** | 60862 | 28986 | 71014 | 31876 | **40 oo** |
| 10 | 61102 | 29246 | 70754 | 31856 | 90 |
| 20 | 61343 | 29506 | 70494 | 31837 | 80 |
| 30 | 61583 | 29765 | 70235 | 31818 | 70 |
| 40 | 61823 | 30025 | 69975 | 31798 | 60 |
| 50 | 62064 | 30285 | 69715 | 31779 | 50 |
| 60 | 62304 | 30545 | 69455 | 31759 | 40 |
| 70 | 62545 | 30804 | 69196 | 31740 | 30 |
| 80 | 62785 | 31064 | 68936 | 31721 | 20 |
| 90 | 63025 | 31324 | 68676 | 31701 | 10 |
| **61 oo** | 63265 | 31583 | 68417 | 31682 | **39 oo** |
| 10 | 63506 | 31843 | 68157 | 31663 | 90 |
| 20 | 63746 | 32103 | 67897 | 31643 | 80 |
| 30 | 63986 | 32362 | 67638 | 31624 | 70 |
| 40 | 64227 | 32622 | 67378 | 31605 | 60 |
| 50 | 64467 | 32882 | 67118 | 31585 | 50 |
| 60 | 64707 | 33141 | 66859 | 31566 | 40 |
| 70 | 64947 | 33401 | 66599 | 31546 | 30 |
| 80 | 65187 | 33660 | 66340 | 31527 | 20 |
| 90 | 65428 | 33920 | 66080 | 31508 | 10 |
| **62 oo** | 65668 | 34179 | 65821 | 31488 | **38 oo** |
| 10 | 65908 | 34439 | 65561 | 31469 | 90 |
| 20 | 66148 | 34698 | 65302 | 31450 | 80 |
| 30 | 66388 | 34958 | 65042 | 31430 | 70 |
| 40 | 66628 | 35217 | 64783 | 31411 | 60 |
| 50 | 66868 | 35477 | 64523 | 31391 | 50 |
| 60 | 67108 | 35736 | 64264 | 31372 | 40 |
| 70 | 67348 | 35996 | 64004 | 31353 | 30 |
| 80 | 67588 | 36255 | 63745 | 31333 | 20 |
| 90 | 67828 | 36515 | 63485 | 31314 | 10 |
| **63 oo** | 68068 | 36774 | 63226 | 31294 | **37 oo** |
| 10 | 68308 | 37033 | 62967 | 31275 | 90 |
| 20 | 68548 | 37293 | 62707 | 31256 | 80 |
| 30 | 68788 | 37552 | 62448 | 31236 | 70 |
| 40 | 69028 | 37812 | 62188 | 31217 | 60 |
| 50 | 69268 | 38071 | 61929 | 31197 | 50 |
| 60 | 69508 | 38330 | 61670 | 31178 | 40 |
| 70 | 69748 | 38590 | 61410 | 31159 | 30 |
| 80 | 69988 | 38849 | 61151 | 31139 | 20 |
| 90 | 70228 | 39108 | 60892 | 31120 | 10 |
| **64 oo** | 70468 | 39367 | 60633 | 31100 | **36 oo** |
| 10 | 70708 | 39627 | 60373 | 31081 | 90 |
| 20 | 70948 | 39886 | 60114 | 31062 | 80 |
| 30 | 71187 | 40145 | 59855 | 31042 | 70 |
| 40 | 71427 | 40404 | 59596 | 31023 | 60 |
| 50 | 71667 | 40664 | 59336 | 31003 | 50 |
| 60 | 71907 | 40923 | 59077 | 30984 | 40 |
| 70 | 72147 | 41182 | 58818 | 30965 | 30 |
| 80 | 72386 | 41441 | 58559 | 30945 | 20 |
| 90 | 72626 | 41700 | 58300 | 30926 | 10 |
| **65 oo** | 72866 | 41959 | 58041 | 30906 | **35 oo** |
| | **9·43** | **9·45** | **0·54** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | $82^g$ |
| | 239 | 259 | 259 | 20 | |

| 17g | 240 | 260 | 260 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·43** | **9·45** | **0·54** | **9·98** | |
| **65 oo** | 72866 | 41959 | 58041 | 30906 | **35 oo** |
| 10 | 73106 | 42219 | 57781 | 30887 | 90 |
| 20 | 73345 | 42478 | 57522 | 30868 | 80 |
| 30 | 73585 | 42737 | 57263 | 30848 | 70 |
| 40 | 73825 | 42996 | 57004 | 30829 | 60 |
| 50 | 74064 | 43255 | 56745 | 30809 | 50 |
| 60 | 74304 | 43514 | 56486 | 30790 | 40 |
| 70 | 74544 | 43773 | 56227 | 30771 | 30 |
| 80 | 74783 | 44032 | 55968 | 30751 | 20 |
| 90 | 75023 | 44291 | 55709 | 30732 | 10 |
| **66 oo** | 75262 | 44550 | 55450 | 30712 | **34 oo** |
| 10 | 75502 | 44809 | 55191 | 30693 | 90 |
| 20 | 75741 | 45068 | 54932 | 30673 | 80 |
| 30 | 75981 | 45327 | 54673 | 30654 | 70 |
| 40 | 76221 | 45586 | 54414 | 30635 | 60 |
| 50 | 76460 | 45845 | 54155 | 30615 | 50 |
| 60 | 76700 | 46104 | 53896 | 30596 | 40 |
| 70 | 76939 | 46363 | 53637 | 30576 | 30 |
| 80 | 77178 | 46622 | 53378 | 30557 | 20 |
| 90 | 77418 | 46881 | 53119 | 30537 | 10 |
| **67 oo** | 77657 | 47139 | 52861 | 30518 | **33 oo** |
| 10 | 77897 | 47398 | 52602 | 30498 | 90 |
| 20 | 78136 | 47657 | 52343 | 30479 | 80 |
| 30 | 78376 | 47916 | 52084 | 30460 | 70 |
| 40 | 78615 | 48175 | 51825 | 30440 | 60 |
| 50 | 78854 | 48434 | 51566 | 30421 | 50 |
| 60 | 79094 | 48692 | 51308 | 30401 | 40 |
| 70 | 79333 | 48951 | 51049 | 30382 | 30 |
| 80 | 79572 | 49210 | 50790 | 30362 | 20 |
| 90 | 79812 | 49469 | 50531 | 30343 | 10 |
| **68 oo** | 80051 | 49728 | 50272 | 30324 | **32 oo** |
| 10 | 80290 | 49986 | 50014 | 30304 | 90 |
| 20 | 80530 | 50245 | 49755 | 30285 | 80 |
| 30 | 80769 | 50504 | 49496 | 30265 | 70 |
| 40 | 81008 | 50762 | 49238 | 30246 | 60 |
| 50 | 81247 | 51021 | 48979 | 30226 | 50 |
| 60 | 81487 | 51280 | 48720 | 30207 | 40 |
| 70 | 81726 | 51538 | 48462 | 30187 | 30 |
| 80 | 81965 | 51797 | 48203 | 30168 | 20 |
| 90 | 82204 | 52056 | 47944 | 30148 | 10 |
| **69 oo** | 82443 | 52314 | 47686 | 30129 | **31 oo** |
| 10 | 82682 | 52573 | 47427 | 30110 | 90 |
| 20 | 82922 | 52831 | 47169 | 30090 | 80 |
| 30 | 83161 | 53090 | 46910 | 30071 | 70 |
| 40 | 83400 | 53349 | 46651 | 30051 | 60 |
| 50 | 83639 | 53607 | 46393 | 30032 | 50 |
| 60 | 83878 | 53866 | 46134 | 30012 | 40 |
| 70 | 84117 | 54124 | 45876 | 29993 | 30 |
| 80 | 84356 | 54383 | 45617 | 29973 | 20 |
| 90 | 84595 | 54641 | 45359 | 29954 | 10 |
| **70 oo** | 84834 | 54900 | 45100 | 29934 | **30 oo** |
| | **9·43** | **9·45** | **0·54** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | $82^g$ |
| | 239 | 258 | 258 | 20 | |

| | 260 | 259 | 258 | 241 | 240 | 239 | 20 | 19 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 26,0 | 25,9 | 25,8 | 24,1 | 24,0 | 23,9 | 2,0 | 1,9 | 1 |
| 2 | 52,0 | 51,8 | 51,6 | 48,2 | 48,0 | 47,8 | 4,0 | 3,8 | 2 |
| 3 | 78,0 | 77,7 | 77,4 | 72,3 | 72,0 | 71,7 | 6,0 | 5,7 | 3 |
| 4 | 104,0 | 103,6 | 103,2 | 96,4 | 96,0 | 95,6 | 8,0 | 7,6 | 4 |
| 5 | 130,0 | 129,5 | 129,0 | 120,5 | 120,0 | 119,5 | 10,0 | 9,5 | 5 |
| 6 | 156,0 | 155,4 | 154,8 | 144,6 | 144,0 | 143,4 | 12,0 | 11,4 | 6 |
| 7 | 182,0 | 181,3 | 180,6 | 168,7 | 168,0 | 167,3 | 14,0 | 13,3 | 7 |
| 8 | 208,0 | 207,2 | 206,4 | 192,8 | 192,0 | 191,2 | 16,0 | 15,2 | 8 |
| 9 | 234,0 | 233,1 | 232,2 | 216,9 | 216,0 | 215,1 | 18,0 | 17,1 | 9 |

| 17g | 239 | 259 | 259 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·43** | **9·45** | **0·54** | **9·98** | |
| **70 oo** | 84834 | 54900 | 45100 | 29934 | **30 oo** |
| 10 | 85073 | 55158 | 44842 | 29915 | 90 |
| 20 | 85312 | 55417 | 44583 | 29895 | 80 |
| 30 | 85551 | 55675 | 44325 | 29876 | 70 |
| 40 | 85790 | 55934 | 44066 | 29856 | 60 |
| 50 | 86029 | 56192 | 43808 | 29837 | 50 |
| 60 | 86268 | 56450 | 43550 | 29817 | 40 |
| 70 | 86507 | 56709 | 43291 | 29798 | 30 |
| 80 | 86746 | 56967 | 43033 | 29779 | 20 |
| 90 | 86985 | 57226 | 42774 | 29759 | 10 |
| **71 oo** | 87223 | 57484 | 42516 | 29740 | **29 oo** |
| 10 | 87462 | 57742 | 42258 | 29720 | 90 |
| 20 | 87701 | 58001 | 41999 | 29701 | 80 |
| 30 | 87940 | 58259 | 41741 | 29681 | 70 |
| 40 | 88179 | 58517 | 41483 | 29662 | 60 |
| 50 | 88418 | 58775 | 41225 | 29642 | 50 |
| 60 | 88656 | 59034 | 40966 | 29623 | 40 |
| 70 | 88895 | 59292 | 40708 | 29603 | 30 |
| 80 | 89134 | 59550 | 40450 | 29584 | 20 |
| 90 | 89373 | 59809 | 40191 | 29564 | 10 |
| **72 oo** | 89611 | 60067 | 39933 | 29545 | **28 oo** |
| 10 | 89850 | 60325 | 39675 | 29525 | 90 |
| 20 | 90089 | 60583 | 39417 | 29506 | 80 |
| 30 | 90328 | 60841 | 39159 | 29486 | 70 |
| 40 | 90566 | 61100 | 38900 | 29467 | 60 |
| 50 | 90805 | 61358 | 38642 | 29447 | 50 |
| 60 | 91043 | 61616 | 38384 | 29428 | 40 |
| 70 | 91282 | 61874 | 38126 | 29408 | 30 |
| 80 | 91521 | 62132 | 37868 | 29389 | 20 |
| 90 | 91759 | 62390 | 37610 | 29369 | 10 |
| **73 oo** | 91998 | 62648 | 37352 | 29350 | **27 oo** |
| 10 | 92237 | 62906 | 37094 | 29330 | 90 |
| 20 | 92475 | 63164 | 36836 | 29311 | 80 |
| 30 | 92714 | 63423 | 36577 | 29291 | 70 |
| 40 | 92952 | 63681 | 36319 | 29272 | 60 |
| 50 | 93191 | 63939 | 36061 | 29252 | 50 |
| 60 | 93429 | 64197 | 35803 | 29233 | 40 |
| 70 | 93668 | 64455 | 35545 | 29213 | 30 |
| 80 | 93906 | 64713 | 35287 | 29194 | 20 |
| 90 | 94145 | 64971 | 35029 | 29174 | 10 |
| **74 oo** | 94383 | 65229 | 34771 | 29155 | **26 oo** |
| 10 | 94621 | 65486 | 34514 | 29135 | 90 |
| 20 | 94860 | 65744 | 34256 | 29115 | 80 |
| 30 | 95098 | 66002 | 33998 | 29096 | 70 |
| 40 | 95337 | 66260 | 33740 | 29076 | 60 |
| 50 | 95575 | 66518 | 33482 | 29057 | 50 |
| 60 | 95813 | 66776 | 33224 | 29037 | 40 |
| 70 | 96052 | 67034 | 32966 | 29018 | 30 |
| 80 | 96290 | 67292 | 32708 | 28998 | 20 |
| 90 | 96528 | 67550 | 32450 | 28979 | 10 |
| **75 oo** | 96767 | 67807 | 32193 | 28959 | **25 oo** |
| | **9·43** | **9·45** | **0·54** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | 82g |
| | 238 | 257 | 257 | 20 | |

| 17g | 239 | 258 | 258 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9·43** | **9·45** | **0·54** | **9·98** | |
| **75 oo** | *96767 | 67807 | 32193 | 28959 | **25 oo** |
| 10 | *97005 | 68065 | 31935 | 28940 | 90 |
| 20 | *97243 | 68323 | 31677 | 28920 | 80 |
| 30 | *97482 | 68581 | 31419 | 28901 | 70 |
| 40 | *97720 | 68839 | 31161 | 28881 | 60 |
| 50 | *97958 | 69096 | 30904 | 28862 | 50 |
| 60 | *98196 | 69354 | 30646 | 28842 | 40 |
| 70 | *98435 | 69612 | 30388 | 28823 | 30 |
| 80 | *98673 | 69870 | 30130 | 28803 | 20 |
| 90 | *98911 | 70127 | 29873 | 28783 | 10 |
| **76 oo** | *99149 | 70385 | 29615 | 28764 | **24 oo** |
| 10 | *99387 | 70643 | 29357 | 28744 | 90 |
| 20 | *99625 | 70900 | 29100 | 28725 | 80 |
| 30 | *99863 | 71158 | 28842 | 28705 | 70 |
| 40 | 00102 | 71416 | 28584 | 28686 | 60 |
| 50 | 00340 | 71673 | 28327 | 28666 | 50 |
| 60 | 00578 | 71931 | 28069 | 28647 | 40 |
| 70 | 00816 | 72189 | 27811 | 28627 | 30 |
| 80 | 01054 | 72446 | 27554 | 28608 | 20 |
| 90 | 01292 | 72704 | 27296 | 28588 | 10 |
| **77 oo** | 01530 | 72961 | 27039 | 28568 | **23 oo** |
| 10 | 01768 | 73219 | 26781 | 28549 | 90 |
| 20 | 02006 | 73477 | 26523 | 28529 | 80 |
| 30 | 02244 | 73734 | 26266 | 28510 | 70 |
| 40 | 02482 | 73992 | 26008 | 28490 | 60 |
| 50 | 02720 | 74249 | 25751 | 28471 | 50 |
| 60 | 02958 | 74507 | 25493 | 28451 | 40 |
| 70 | 03196 | 74764 | 25236 | 28432 | 30 |
| 80 | 03434 | 75022 | 24978 | 28412 | 20 |
| 90 | 03672 | 75279 | 24721 | 28392 | 10 |
| **78 oo** | 03909 | 75537 | 24463 | 28373 | **22 oo** |
| 10 | 04147 | 75794 | 24206 | 28353 | 90 |
| 20 | 04385 | 76051 | 23949 | 28334 | 80 |
| 30 | 04623 | 76309 | 23691 | 28314 | 70 |
| 40 | 04861 | 76566 | 23434 | 28295 | 60 |
| 50 | 05099 | 76824 | 23176 | 28275 | 50 |
| 60 | 05336 | 77081 | 22919 | 28255 | 40 |
| 70 | 05574 | 77338 | 22662 | 28236 | 30 |
| 80 | 05812 | 77596 | 22404 | 28216 | 20 |
| 90 | 06050 | 77853 | 22147 | 28197 | 10 |
| **79 oo** | 06287 | 78110 | 21890 | 28177 | **21 oo** |
| 10 | 06525 | 78368 | 21632 | 28158 | 90 |
| 20 | 06763 | 78625 | 21375 | 28138 | 80 |
| 30 | 07001 | 78882 | 21118 | 28118 | 70 |
| 40 | 07238 | 79139 | 20861 | 28099 | 60 |
| 50 | 07476 | 79397 | 20603 | 28079 | 50 |
| 60 | 07714 | 79654 | 20346 | 28060 | 40 |
| 70 | 07951 | 79911 | 20089 | 28040 | 30 |
| 80 | 08189 | 80168 | 19832 | 28021 | 20 |
| 90 | 08426 | 80426 | 19574 | 28001 | 10 |
| **80 oo** | 08664 | 80683 | 19317 | 27981 | **20 oo** |
| | **9·44** | **9·45** | **0·54** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | 82g |
| | 237 | 257 | 257 | 20 | |

| | 259 | 258 | 257 | 239 | 238 | 237 | 20 | 19 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 25,9 | 25,8 | 25,7 | 23,9 | 23,8 | 23,7 | 2,0 | 1,9 | 1 |
| 2 | 51,8 | 51,6 | 51,4 | 47,8 | 47,6 | 47,4 | 4,0 | 3,8 | 2 |
| 3 | 77,7 | 77,4 | 77,1 | 71,7 | 71,4 | 71,1 | 6,0 | 5,7 | 3 |
| 4 | 103,6 | 103,2 | 102,8 | 95,6 | 95,2 | 94,8 | 8,0 | 7,6 | 4 |
| 5 | 129,5 | 129,0 | 128,5 | 119,5 | 119,0 | 118,5 | 10,0 | 9,5 | 5 |
| 6 | 155,4 | 154,8 | 154,2 | 143,4 | 142,8 | 142,2 | 12,0 | 11,4 | 6 |
| 7 | 181,3 | 180,6 | 179,9 | 167,3 | 166,6 | 165,9 | 14,0 | 13,3 | 7 |
| 8 | 207,2 | 206,4 | 205,6 | 191,2 | 190,4 | 189,6 | 16,0 | 15,2 | 8 |
| 9 | 233,1 | 232,2 | 231,3 | 215,1 | 214,2 | 213,3 | 18,0 | 17,1 | 9 |

| 17g | 238 | 258 | 258 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·44** | **9·45** | **0·54** | **9·98** | |
| **80 oo** | 08664 | 80683 | 19317 | 27981 | **20 oo** |
| 10 | 08902 | 80940 | 19060 | 27962 | 90 |
| 20 | 09139 | 81197 | 18803 | 27942 | 80 |
| 30 | 09377 | 81454 | 18546 | 27923 | 70 |
| 40 | 09614 | 81711 | 18289 | 27903 | 60 |
| 50 | 09852 | 81968 | 18032 | 27883 | 50 |
| 60 | 10089 | 82226 | 17774 | 27864 | 40 |
| 70 | 10327 | 82483 | 17517 | 27844 | 30 |
| 80 | 10564 | 82740 | 17260 | 27825 | 20 |
| 90 | 10802 | 82997 | 17003 | 27805 | 10 |
| **81 oo** | 11039 | 83254 | 16746 | 27785 | **19 oo** |
| 10 | 11277 | 83511 | 16489 | 27766 | 90 |
| 20 | 11514 | 83768 | 16232 | 27746 | 80 |
| 30 | 11752 | 84025 | 15975 | 27727 | 70 |
| 40 | 11989 | 84282 | 15718 | 27707 | 60 |
| 50 | 12226 | 84539 | 15461 | 27687 | 50 |
| 60 | 12464 | 84796 | 15204 | 27668 | 40 |
| 70 | 12701 | 85053 | 14947 | 27648 | 30 |
| 80 | 12939 | 85310 | 14690 | 27629 | 20 |
| 90 | 13176 | 85567 | 14433 | 27609 | 10 |
| **82 oo** | 13413 | 85824 | 14176 | 27589 | **18 oo** |
| 10 | 13650 | 86081 | 13919 | 27570 | 90 |
| 20 | 13888 | 86338 | 13662 | 27550 | 80 |
| 30 | 14125 | 86594 | 13406 | 27531 | 70 |
| 40 | 14362 | 86851 | 13149 | 27511 | 60 |
| 50 | 14600 | 87108 | 12892 | 27491 | 50 |
| 60 | 14837 | 87365 | 12635 | 27472 | 40 |
| 70 | 15074 | 87622 | 12378 | 27452 | 30 |
| 80 | 15311 | 87879 | 12121 | 27432 | 20 |
| 90 | 15548 | 88136 | 11864 | 27413 | 10 |
| **83 oo** | 15786 | 88392 | 11608 | 27393 | **17 oo** |
| 10 | 16023 | 88649 | 11351 | 27374 | 90 |
| 20 | 16260 | 88906 | 11094 | 27354 | 80 |
| 30 | 16497 | 89163 | 10837 | 27334 | 70 |
| 40 | 16734 | 89419 | 10581 | 27315 | 60 |
| 50 | 16971 | 89676 | 10324 | 27295 | 50 |
| 60 | 17208 | 89933 | 10067 | 27275 | 40 |
| 70 | 17445 | 90190 | 09810 | 27256 | 30 |
| 80 | 17683 | 90446 | 09554 | 27236 | 20 |
| 90 | 17920 | 90703 | 09297 | 27217 | 10 |
| **84 oo** | 18157 | 90960 | 09040 | 27197 | **16 oo** |
| 10 | 18394 | 91216 | 08784 | 27177 | 90 |
| 20 | 18631 | 91473 | 08527 | 27158 | 80 |
| 30 | 18868 | 91730 | 08270 | 27138 | 70 |
| 40 | 19105 | 91986 | 08014 | 27118 | 60 |
| 50 | 19342 | 92243 | 07757 | 27099 | 50 |
| 60 | 19579 | 92499 | 07501 | 27079 | 40 |
| 70 | 19816 | 92756 | 07244 | 27060 | 30 |
| 80 | 20052 | 93013 | 06987 | 27040 | 20 |
| 90 | 20289 | 93269 | 06731 | 27020 | 10 |
| **85 oo** | 20526 | 93526 | 06474 | 27001 | **15 oo** |
| | **9·44** | **9·45** | **0·54** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | **82g** |
| | 236 | 256 | 256 | 20 | |

| 17g | 237 | 257 | 257 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·44** | **9·45** | **0·54** | **9·98** | |
| **85 oo** | 20526 | 93526 | 06474 | 27001 | **15 oo** |
| 10 | 20763 | 93782 | 06218 | 26981 | 90 |
| 20 | 21000 | 94039 | 05961 | 26961 | 80 |
| 30 | 21237 | 94295 | 05705 | 26942 | 70 |
| 40 | 21474 | 94552 | 05448 | 26922 | 60 |
| 50 | 21711 | 94808 | 05192 | 26902 | 50 |
| 60 | 21947 | 95065 | 04935 | 26883 | 40 |
| 70 | 22184 | 95321 | 04679 | 26863 | 30 |
| 80 | 22421 | 95578 | 04422 | 26843 | 20 |
| 90 | 22658 | 95834 | 04166 | 26824 | 10 |
| **86 oo** | 22894 | 96090 | 03910 | 26804 | **14 oo** |
| 10 | 23131 | 96347 | 03653 | 26784 | 90 |
| 20 | 23368 | 96603 | 03397 | 26765 | 80 |
| 30 | 23605 | 96860 | 03140 | 26745 | 70 |
| 40 | 23841 | 97116 | 02884 | 26725 | 60 |
| 50 | 24078 | 97372 | 02628 | 26706 | 50 |
| 60 | 24315 | 97629 | 02371 | 26686 | 40 |
| 70 | 24551 | 97885 | 02115 | 26666 | 30 |
| 80 | 24788 | 98141 | 01859 | 26647 | 20 |
| 90 | 25025 | 98398 | 01602 | 26627 | 10 |
| **87 oo** | 25261 | 98654 | 01346 | 26607 | **13 oo** |
| 10 | 25498 | 98910 | 01090 | 26588 | 90 |
| 20 | 25735 | 99166 | 00834 | 26568 | 80 |
| 30 | 25971 | 99423 | 00577 | 26548 | 70 |
| 40 | 26208 | 99679 | 00321 | 26529 | 60 |
| 50 | 26444 | 99935 | 00065 | 26509 | 50 |
| 60 | 26681 | ∗00191 | ∗99809 | 26489 | 40 |
| 70 | 26917 | ∗00448 | ∗99552 | 26470 | 30 |
| 80 | 27154 | ∗00704 | ∗99296 | 26450 | 20 |
| 90 | 27390 | ∗00960 | ∗99040 | 26430 | 10 |
| **88 oo** | 27627 | ∗01216 | ∗98784 | 26411 | **12 oo** |
| 10 | 27863 | ∗01472 | ∗98528 | 26391 | 90 |
| 20 | 28100 | ∗01728 | ∗98272 | 26371 | 80 |
| 30 | 28336 | ∗01984 | ∗98016 | 26352 | 70 |
| 40 | 28573 | ∗02241 | ∗97759 | 26332 | 60 |
| 50 | 28809 | ∗02497 | ∗97503 | 26312 | 50 |
| 60 | 29045 | ∗02753 | ∗97247 | 26293 | 40 |
| 70 | 29282 | ∗03009 | ∗96991 | 26273 | 30 |
| 80 | 29518 | ∗03265 | ∗96735 | 26253 | 20 |
| 90 | 29754 | ∗03521 | ∗96479 | 26234 | 10 |
| **89 oo** | 29991 | ∗03777 | ∗96223 | 26214 | **11 oo** |
| 10 | 30227 | ∗04033 | ∗95967 | 26194 | 90 |
| 20 | 30463 | ∗04289 | ∗95711 | 26174 | 80 |
| 30 | 30700 | ∗04545 | ∗95455 | 26155 | 70 |
| 40 | 30936 | ∗04801 | ∗95199 | 26135 | 60 |
| 50 | 31172 | ∗05057 | ∗94943 | 26115 | 50 |
| 60 | 31409 | ∗05313 | ∗94687 | 26096 | 40 |
| 70 | 31645 | ∗05569 | ∗94431 | 26076 | 30 |
| 80 | 31881 | ∗05825 | ∗94175 | 26056 | 20 |
| 90 | 32117 | ∗06081 | ∗93919 | 26037 | 10 |
| **90 oo** | 32353 | ∗06337 | ∗93663 | 26017 | **10 oo** |
| | **9·44** | ∗**9·46** | ∗**0·53** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | **82g** |
| | 236 | 256 | 256 | 20 | |

| | 258 | 257 | 256 | 238 | 237 | 236 | 20 | 19 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 25,8 | 25,7 | 25,6 | 23,8 | 23,7 | 23,6 | 2,0 | 1,9 | 1 |
| 2 | 51,6 | 51,4 | 51,2 | 47,6 | 47,4 | 47,2 | 4,0 | 3,8 | 2 |
| 3 | 77,4 | 77,1 | 76,8 | 71,4 | 71,1 | 70,8 | 6,0 | 5,7 | 3 |
| 4 | 103,2 | 102,8 | 102,4 | 95,2 | 94,8 | 94,4 | 8,0 | 7,6 | 4 |
| 5 | 129,0 | 128,5 | 128,0 | 119,0 | 118,5 | 118,0 | 10,0 | 9,5 | 5 |
| 6 | 154,8 | 154,2 | 153,6 | 142,8 | 142,2 | 141,6 | 12,0 | 11,4 | 6 |
| 7 | 180,6 | 179,9 | 179,2 | 166,6 | 165,9 | 165,2 | 14,0 | 13,3 | 7 |
| 8 | 206,4 | 205,6 | 204,8 | 190,4 | 189,6 | 188,8 | 16,0 | 15,2 | 8 |
| 9 | 232,2 | 231,3 | 230,4 | 214,2 | 213,3 | 212,4 | 18,0 | 17,1 | 9 |

| **17g** | 237 | 256 | 256 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.44** | **9.46** | **0.53** | **9.98** | |
| **90 oo** | 32353 | 06337 | 93663 | 26017 | **10 oo** |
| 10 | 32590 | 06592 | 93408 | 25997 | 90 |
| 20 | 32826 | 06848 | 93152 | 25977 | 80 |
| 30 | 33062 | 07104 | 92896 | 25958 | 70 |
| 40 | 33298 | 07360 | 92640 | 25938 | 60 |
| 50 | 33534 | 07616 | 92384 | 25918 | 50 |
| 60 | 33770 | 07872 | 92128 | 25899 | 40 |
| 70 | 34006 | 08128 | 91872 | 25879 | 30 |
| 80 | 34243 | 08383 | 91617 | 25859 | 20 |
| 90 | 34479 | 08639 | 91361 | 25839 | 10 |
| **91 oo** | 34715 | 08895 | 91105 | 25820 | **09 oo** |
| 10 | 34951 | 09151 | 90849 | 25800 | 90 |
| 20 | 35187 | 09406 | 90594 | 25780 | 80 |
| 30 | 35423 | 09662 | 90338 | 25761 | 70 |
| 40 | 35659 | 09918 | 90082 | 25741 | 60 |
| 50 | 35895 | 10174 | 89826 | 25721 | 50 |
| 60 | 36131 | 10429 | 89571 | 25701 | 40 |
| 70 | 36367 | 10685 | 89315 | 25682 | 30 |
| 80 | 36603 | 10941 | 89059 | 25662 | 20 |
| 90 | 36839 | 11196 | 88804 | 25642 | 10 |
| **92 oo** | 37075 | 11452 | 88548 | 25623 | **08 oo** |
| 10 | 37310 | 11708 | 88292 | 25603 | 90 |
| 20 | 37546 | 11963 | 88037 | 25583 | 80 |
| 30 | 37782 | 12219 | 87781 | 25563 | 70 |
| 40 | 38018 | 12474 | 87526 | 25544 | 60 |
| 50 | 38254 | 12730 | 87270 | 25524 | 50 |
| 60 | 38490 | 12986 | 87014 | 25504 | 40 |
| 70 | 38726 | 13241 | 86759 | 25484 | 30 |
| 80 | 38961 | 13497 | 86503 | 25465 | 20 |
| 90 | 39197 | 13752 | 86248 | 25445 | 10 |
| **93 oo** | 39433 | 14008 | 85992 | 25425 | **07 oo** |
| 10 | 39669 | 14263 | 85737 | 25406 | 90 |
| 20 | 39905 | 14519 | 85481 | 25386 | 80 |
| 30 | 40140 | 14774 | 85226 | 25366 | 70 |
| 40 | 40376 | 15030 | 84970 | 25346 | 60 |
| 50 | 40612 | 15285 | 84715 | 25327 | 50 |
| 60 | 40847 | 15541 | 84459 | 25307 | 40 |
| 70 | 41083 | 15796 | 84204 | 25287 | 30 |
| 80 | 41319 | 16052 | 83948 | 25267 | 20 |
| 90 | 41554 | 16307 | 83693 | 25248 | 10 |
| **94 oo** | 41790 | 16562 | 83438 | 25228 | **06 oo** |
| 10 | 42026 | 16818 | 83182 | 25208 | 90 |
| 20 | 42261 | 17073 | 82927 | 25188 | 80 |
| 30 | 42497 | 17328 | 82672 | 25169 | 70 |
| 40 | 42733 | 17584 | 82416 | 25149 | 60 |
| 50 | 42968 | 17839 | 82161 | 25129 | 50 |
| 60 | 43204 | 18094 | 81906 | 25109 | 40 |
| 70 | 43439 | 18350 | 81650 | 25090 | 30 |
| 80 | 43675 | 18605 | 81395 | 25070 | 20 |
| 90 | 43910 | 18860 | 81140 | 25050 | 10 |
| **95 oo** | 44146 | 19116 | 80884 | 25030 | **05 oo** |
| | **9.44** | **9.46** | **0.53** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | **82g** |
| | 235 | 255 | 255 | 20 | |

| **17g** | 236 | 256 | 256 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.44** | **9.46** | **0.53** | **9.98** | |
| **95 oo** | 44146 | 19116 | 80884 | 25030 | **05 oo** |
| 10 | 44381 | 19371 | 80629 | 25010 | 90 |
| 20 | 44617 | 19626 | 80374 | 24991 | 80 |
| 30 | 44852 | 19881 | 80119 | 24971 | 70 |
| 40 | 45088 | 20137 | 79863 | 24951 | 60 |
| 50 | 45323 | 20392 | 79608 | 24931 | 50 |
| 60 | 45559 | 20647 | 79353 | 24912 | 40 |
| 70 | 45794 | 20902 | 79098 | 24892 | 30 |
| 80 | 46029 | 21157 | 78843 | 24872 | 20 |
| 90 | 46265 | 21412 | 78588 | 24852 | 10 |
| **96 oo** | 46500 | 21668 | 78332 | 24833 | **04 oo** |
| 10 | 46735 | 21923 | 78077 | 24813 | 90 |
| 20 | 46971 | 22178 | 77822 | 24793 | 80 |
| 30 | 47206 | 22433 | 77567 | 24773 | 70 |
| 40 | 47441 | 22688 | 77312 | 24753 | 60 |
| 50 | 47677 | 22943 | 77057 | 24734 | 50 |
| 60 | 47912 | 23198 | 76802 | 24714 | 40 |
| 70 | 48147 | 23453 | 76547 | 24694 | 30 |
| 80 | 48383 | 23708 | 76292 | 24674 | 20 |
| 90 | 48618 | 23963 | 76037 | 24655 | 10 |
| **97 oo** | 48853 | 24218 | 75782 | 24635 | **03 oo** |
| 10 | 49088 | 24473 | 75527 | 24615 | 90 |
| 20 | 49323 | 24728 | 75272 | 24595 | 80 |
| 30 | 49559 | 24983 | 75017 | 24575 | 70 |
| 40 | 49794 | 25238 | 74762 | 24556 | 60 |
| 50 | 50029 | 25493 | 74507 | 24536 | 50 |
| 60 | 50264 | 25748 | 74252 | 24516 | 40 |
| 70 | 50499 | 26003 | 73997 | 24496 | 30 |
| 80 | 50734 | 26258 | 73742 | 24476 | 20 |
| 90 | 50970 | 26513 | 73487 | 24457 | 10 |
| **98 oo** | 51205 | 26768 | 73232 | 24437 | **02 oo** |
| 10 | 51440 | 27023 | 72977 | 24417 | 90 |
| 20 | 51675 | 27277 | 72723 | 24397 | 80 |
| 30 | 51910 | 27532 | 72468 | 24377 | 70 |
| 40 | 52145 | 27787 | 72213 | 24358 | 60 |
| 50 | 52380 | 28042 | 71958 | 24338 | 50 |
| 60 | 52615 | 28297 | 71703 | 24318 | 40 |
| 70 | 52850 | 28552 | 71448 | 24298 | 30 |
| 80 | 53085 | 28806 | 71194 | 24278 | 20 |
| 90 | 53320 | 29061 | 70939 | 24259 | 10 |
| **99 oo** | 53555 | 29316 | 70684 | 24239 | **01 oo** |
| 10 | 53790 | 29571 | 70429 | 24219 | 90 |
| 20 | 54025 | 29825 | 70175 | 24199 | 80 |
| 30 | 54260 | 30080 | 69920 | 24179 | 70 |
| 40 | 54494 | 30335 | 69665 | 24160 | 60 |
| 50 | 54729 | 30590 | 69410 | 24140 | 50 |
| 60 | 54964 | 30844 | 69156 | 24120 | 40 |
| 70 | 55199 | 31099 | 68901 | 24100 | 30 |
| 80 | 55434 | 31354 | 68646 | 24080 | 20 |
| 90 | 55669 | 31608 | 68392 | 24061 | 10 |
| **100 oo** | 55904 | 31863 | 68137 | 24041 | **00 oo** |
| | **9.44** | **9.46** | **0.53** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | **82g** |
| | 234 | 254 | 254 | 20 | |

| | 256 | 255 | 254 | 237 | 236 | 235 | 234 | 20 | 19 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 25,6 | 25,5 | 25,4 | 23,7 | 23,6 | 23,5 | 23,4 | 2,0 | 1,9 | 1 |
| 2 | 51,2 | 51,0 | 50,8 | 47,4 | 47,2 | 47,0 | 46,8 | 4,0 | 3,8 | 2 |
| 3 | 76,8 | 76,5 | 76,2 | 71,1 | 70,8 | 70,5 | 70,2 | 6,0 | 5,7 | 3 |
| 4 | 102,4 | 102,0 | 101,6 | 94,8 | 94,4 | 94,0 | 93,6 | 8,0 | 7,6 | 4 |
| 5 | 128,0 | 127,5 | 127,0 | 118,5 | 118,0 | 117,5 | 117,0 | 10,0 | 9,5 | 5 |
| 6 | 153,6 | 153,0 | 152,4 | 142,2 | 141,6 | 141,0 | 140,4 | 12,0 | 11,4 | 6 |
| 7 | 179,2 | 178,5 | 177,8 | 165,9 | 165,2 | 164,5 | 163,8 | 14,0 | 13,3 | 7 |
| 8 | 204,8 | 204,0 | 203,2 | 189,6 | 188,8 | 188,0 | 187,2 | 16,0 | 15,2 | 8 |
| 9 | 230,4 | 229,5 | 228,6 | 213,3 | 212,4 | 211,5 | 210,6 | 18,0 | 17,1 | 9 |

| 18g | 235 | 255 | 255 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.44** | **9.46** | **0.53** | **9.98** | |
| **00 oo** | 55904 | 31863 | 68137 | 24041 | **100 oo** |
| 10 | 56138 | 32117 | 67883 | 24021 | 90 |
| 20 | 56373 | 32372 | 67628 | 24001 | 80 |
| 30 | 56608 | 32627 | 67373 | 23981 | 70 |
| 40 | 56843 | 32881 | 67119 | 23961 | 60 |
| 50 | 57077 | 33136 | 66864 | 23942 | 50 |
| 60 | 57312 | 33390 | 66610 | 23922 | 40 |
| 70 | 57547 | 33645 | 66355 | 23902 | 30 |
| 80 | 57782 | 33899 | 66101 | 23882 | 20 |
| 90 | 58016 | 34154 | 65846 | 23862 | 10 |
| **01 oo** | 58251 | 34409 | 65591 | 23842 | **99 oo** |
| 10 | 58486 | 34663 | 65337 | 23823 | 90 |
| 20 | 58720 | 34918 | 65082 | 23803 | 80 |
| 30 | 58955 | 35172 | 64828 | 23783 | 70 |
| 40 | 59190 | 35426 | 64574 | 23763 | 60 |
| 50 | 59424 | 35681 | 64319 | 23743 | 50 |
| 60 | 59659 | 35935 | 64065 | 23723 | 40 |
| 70 | 59893 | 36190 | 63810 | 23704 | 30 |
| 80 | 60128 | 36444 | 63556 | 23684 | 20 |
| 90 | 60363 | 36699 | 63301 | 23664 | 10 |
| **02 oo** | 60597 | 36953 | 63047 | 23644 | **98 oo** |
| 10 | 60832 | 37207 | 62793 | 23624 | 90 |
| 20 | 61066 | 37462 | 62538 | 23604 | 80 |
| 30 | 61301 | 37716 | 62284 | 23585 | 70 |
| 40 | 61535 | 37970 | 62030 | 23565 | 60 |
| 50 | 61770 | 38225 | 61775 | 23545 | 50 |
| 60 | 62004 | 38479 | 61521 | 23525 | 40 |
| 70 | 62238 | 38733 | 61267 | 23505 | 30 |
| 80 | 62473 | 38988 | 61012 | 23485 | 20 |
| 90 | 62707 | 39242 | 60758 | 23465 | 10 |
| **03 oo** | 62942 | 39496 | 60504 | 23446 | **97 oo** |
| 10 | 63176 | 39750 | 60250 | 23426 | 90 |
| 20 | 63410 | 40005 | 59995 | 23406 | 80 |
| 30 | 63645 | 40259 | 59741 | 23386 | 70 |
| 40 | 63879 | 40513 | 59487 | 23366 | 60 |
| 50 | 64114 | 40767 | 59233 | 23346 | 50 |
| 60 | 64348 | 41021 | 58979 | 23326 | 40 |
| 70 | 64582 | 41276 | 58724 | 23307 | 30 |
| 80 | 64816 | 41530 | 58470 | 23287 | 20 |
| 90 | 65051 | 41784 | 58216 | 23267 | 10 |
| **04 oo** | 65285 | 42038 | 57962 | 23247 | **96 oo** |
| 10 | 65519 | 42292 | 57708 | 23227 | 90 |
| 20 | 65754 | 42546 | 57454 | 23207 | 80 |
| 30 | 65988 | 42800 | 57200 | 23187 | 70 |
| 40 | 66222 | 43054 | 56946 | 23168 | 60 |
| 50 | 66456 | 43308 | 56692 | 23148 | 50 |
| 60 | 66690 | 43563 | 56437 | 23128 | 40 |
| 70 | 66925 | 43817 | 56183 | 23108 | 30 |
| 80 | 67159 | 44071 | 55929 | 23088 | 20 |
| 90 | 67393 | 44325 | 55675 | 23068 | 10 |
| **05 oo** | 67627 | 44579 | 55421 | 23048 | **95 oo** |
| | **9.44** | **9.46** | **0.53** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 81g |
| | 234 | 254 | 254 | 20 | |

| 18g | 235 | 254 | 254 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.44** | **9.46** | **0.53** | **9.98** | |
| **05 oo** | 67627 | 44579 | 55421 | 23048 | **95 oo** |
| 10 | 67861 | 44833 | 55167 | 23028 | 90 |
| 20 | 68095 | 45087 | 54913 | 23009 | 80 |
| 30 | 68329 | 45341 | 54659 | 22989 | 70 |
| 40 | 68563 | 45595 | 54405 | 22969 | 60 |
| 50 | 68797 | 45848 | 54152 | 22949 | 50 |
| 60 | 69031 | 46102 | 53898 | 22929 | 40 |
| 70 | 69265 | 46356 | 53644 | 22909 | 30 |
| 80 | 69499 | 46610 | 53390 | 22889 | 20 |
| 90 | 69734 | 46864 | 53136 | 22869 | 10 |
| **06 oo** | 69968 | 47118 | 52882 | 22849 | **94 oo** |
| 10 | 70201 | 47372 | 52628 | 22830 | 90 |
| 20 | 70435 | 47626 | 52374 | 22810 | 80 |
| 30 | 70669 | 47880 | 52120 | 22790 | 70 |
| 40 | 70903 | 48133 | 51867 | 22770 | 60 |
| 50 | 71137 | 48387 | 51613 | 22750 | 50 |
| 60 | 71371 | 48641 | 51359 | 22730 | 40 |
| 70 | 71605 | 48895 | 51105 | 22710 | 30 |
| 80 | 71839 | 49149 | 50851 | 22690 | 20 |
| 90 | 72073 | 49402 | 50598 | 22670 | 10 |
| **07 oo** | 72307 | 49656 | 50344 | 22651 | **93 oo** |
| 10 | 72541 | 49910 | 50090 | 22631 | 90 |
| 20 | 72774 | 50164 | 49836 | 22611 | 80 |
| 30 | 73008 | 50417 | 49583 | 22591 | 70 |
| 40 | 73242 | 50671 | 49329 | 22571 | 60 |
| 50 | 73476 | 50925 | 49075 | 22551 | 50 |
| 60 | 73710 | 51178 | 48822 | 22531 | 40 |
| 70 | 73943 | 51432 | 48568 | 22511 | 30 |
| 80 | 74177 | 51686 | 48314 | 22491 | 20 |
| 90 | 74411 | 51939 | 48061 | 22471 | 10 |
| **08 oo** | 74645 | 52193 | 47807 | 22451 | **92 oo** |
| 10 | 74878 | 52447 | 47553 | 22432 | 90 |
| 20 | 75112 | 52700 | 47300 | 22412 | 80 |
| 30 | 75346 | 52954 | 47046 | 22392 | 70 |
| 40 | 75579 | 53207 | 46793 | 22372 | 60 |
| 50 | 75813 | 53461 | 46539 | 22352 | 50 |
| 60 | 76047 | 53715 | 46285 | 22332 | 40 |
| 70 | 76280 | 53968 | 46032 | 22312 | 30 |
| 80 | 76514 | 54222 | 45778 | 22292 | 20 |
| 90 | 76747 | 54475 | 45525 | 22272 | 10 |
| **09 oo** | 76981 | 54729 | 45271 | 22252 | **91 oo** |
| 10 | 77215 | 54982 | 45018 | 22232 | 90 |
| 20 | 77448 | 55236 | 44764 | 22212 | 80 |
| 30 | 77682 | 55489 | 44511 | 22193 | 70 |
| 40 | 77915 | 55743 | 44257 | 22173 | 60 |
| 50 | 78149 | 55996 | 44004 | 22153 | 50 |
| 60 | 78382 | 56249 | 43751 | 22133 | 40 |
| 70 | 78616 | 56503 | 43497 | 22113 | 30 |
| 80 | 78849 | 56756 | 43244 | 22093 | 20 |
| 90 | 79083 | 57010 | 42990 | 22073 | 10 |
| **10 oo** | 79316 | 57263 | 42737 | 22053 | **90 oo** |
| | **9.44** | **9.46** | **0.53** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 81g |
| | 233 | 253 | 253 | 20 | |

| | 255 | 254 | 253 | 235 | 234 | 233 | 20 | 19 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 25,5 | 25,4 | 25,3 | 23,5 | 23,4 | 23,3 | 2,0 | 1,9 | 1 |
| 2 | 51,0 | 50,8 | 50,6 | 47,0 | 46,8 | 46,6 | 4,0 | 3,8 | 2 |
| 3 | 76,5 | 76,2 | 75,9 | 70,5 | 70,2 | 69,9 | 6,0 | 5,7 | 3 |
| 4 | 102,0 | 101,6 | 101,2 | 94,0 | 93,6 | 93,2 | 8,0 | 7,6 | 4 |
| 5 | 127,5 | 127,0 | 126,5 | 117,5 | 117,0 | 116,5 | 10,0 | 9,5 | 5 |
| 6 | 153,0 | 152,4 | 151,8 | 141,0 | 140,4 | 139,8 | 12,0 | 11,4 | 6 |
| 7 | 178,5 | 177,8 | 177,1 | 164,5 | 163,8 | 163,1 | 14,0 | 13,3 | 7 |
| 8 | 204,0 | 203,2 | 202,4 | 188,0 | 187,2 | 186,4 | 16,0 | 15,2 | 8 |
| 9 | 229,5 | 228,6 | 227,7 | 211,5 | 210,6 | 209,7 | 18,0 | 17,1 | 9 |

| 18g | 234 | 254 | 254 | 19 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.44** | **9.46** | **0.53** | **9.98** | |
| **10 oo** | 79316 | 57263 | 42737 | 22053 | **90 oo** |
| 10 | 79550 | 57516 | 42484 | 22033 | 90 |
| 20 | 79783 | 57770 | 42230 | 22013 | 80 |
| 30 | 80016 | 58023 | 41977 | 21993 | 70 |
| 40 | 80250 | 58276 | 41724 | 21973 | 60 |
| 50 | 80483 | 58530 | 41470 | 21953 | 50 |
| 60 | 80716 | 58783 | 41217 | 21933 | 40 |
| 70 | 80950 | 59036 | 40964 | 21913 | 30 |
| 80 | 81183 | 59290 | 40710 | 21893 | 20 |
| 90 | 81416 | 59543 | 40457 | 21874 | 10 |
| **11 oo** | 81650 | 59796 | 40204 | 21854 | **89 oo** |
| 10 | 81883 | 60049 | 39951 | 21834 | 90 |
| 20 | 82116 | 60303 | 39697 | 21814 | 80 |
| 30 | 82350 | 60556 | 39444 | 21794 | 70 |
| 40 | 82583 | 60809 | 39191 | 21774 | 60 |
| 50 | 82816 | 61062 | 38938 | 21754 | 50 |
| 60 | 83049 | 61316 | 38684 | 21734 | 40 |
| 70 | 83283 | 61569 | 38431 | 21714 | 30 |
| 80 | 83516 | 61822 | 38178 | 21694 | 20 |
| 90 | 83749 | 62075 | 37925 | 21674 | 10 |
| **12 oo** | 83982 | 62328 | 37672 | 21654 | **88 oo** |
| 10 | 84215 | 62581 | 37419 | 21634 | 90 |
| 20 | 84448 | 62834 | 37166 | 21614 | 80 |
| 30 | 84682 | 63087 | 36913 | 21594 | 70 |
| 40 | 84915 | 63341 | 36659 | 21574 | 60 |
| 50 | 85148 | 63594 | 36406 | 21554 | 50 |
| 60 | 85381 | 63847 | 36153 | 21534 | 40 |
| 70 | 85614 | 64100 | 35900 | 21514 | 30 |
| 80 | 85847 | 64353 | 35647 | 21494 | 20 |
| 90 | 86080 | 64606 | 35394 | 21474 | 10 |
| **13 oo** | 86313 | 64859 | 35141 | 21454 | **87 oo** |
| 10 | 86546 | 65112 | 34888 | 21434 | 90 |
| 20 | 86779 | 65365 | 34635 | 21414 | 80 |
| 30 | 87012 | 65618 | 34382 | 21394 | 70 |
| 40 | 87245 | 65871 | 34129 | 21374 | 60 |
| 50 | 87478 | 66124 | 33876 | 21355 | 50 |
| 60 | 87711 | 66377 | 33623 | 21335 | 40 |
| 70 | 87944 | 66630 | 33370 | 21315 | 30 |
| 80 | 88177 | 66882 | 33118 | 21295 | 20 |
| 90 | 88410 | 67135 | 32865 | 21275 | 10 |
| **14 oo** | 88643 | 67388 | 32612 | 21255 | **86 oo** |
| 10 | 88876 | 67641 | 32359 | 21235 | 90 |
| 20 | 89109 | 67894 | 32106 | 21215 | 80 |
| 30 | 89341 | 68147 | 31853 | 21195 | 70 |
| 40 | 89574 | 68400 | 31600 | 21175 | 60 |
| 50 | 89807 | 68652 | 31348 | 21155 | 50 |
| 60 | 90040 | 68905 | 31095 | 21135 | 40 |
| 70 | 90273 | 69158 | 30842 | 21115 | 30 |
| 80 | 90506 | 69411 | 30589 | 21095 | 20 |
| 90 | 90738 | 69664 | 30336 | 21075 | 10 |
| **15 oo** | 90971 | 69916 | 30084 | 21055 | **85 oo** |
| | **9.44** | **9.46** | **0.53** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 81g |
| | 232 | 252 | 252 | 20 | |

| 18g | 233 | 253 | 253 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.44** | **9.46** | **0.53** | **9.98** | |
| **15 oo** | 90971 | 69916 | 30084 | 21055 | **85 oo** |
| 10 | 91204 | 70169 | 29831 | 21035 | 90 |
| 20 | 91437 | 70422 | 29578 | 21015 | 80 |
| 30 | 91669 | 70675 | 29325 | 20995 | 70 |
| 40 | 91902 | 70927 | 29073 | 20975 | 60 |
| 50 | 92135 | 71180 | 28820 | 20955 | 50 |
| 60 | 92367 | 71433 | 28567 | 20935 | 40 |
| 70 | 92600 | 71685 | 28315 | 20915 | 30 |
| 80 | 92833 | 71938 | 28062 | 20895 | 20 |
| 90 | 93065 | 72191 | 27809 | 20875 | 10 |
| **16 oo** | 93298 | 72443 | 27557 | 20855 | **84 oo** |
| 10 | 93531 | 72696 | 27304 | 20835 | 90 |
| 20 | 93763 | 72949 | 27051 | 20815 | 80 |
| 30 | 93996 | 73201 | 26799 | 20795 | 70 |
| 40 | 94228 | 73454 | 26546 | 20775 | 60 |
| 50 | 94461 | 73706 | 26294 | 20755 | 50 |
| 60 | 94694 | 73959 | 26041 | 20735 | 40 |
| 70 | 94926 | 74211 | 25789 | 20715 | 30 |
| 80 | 95159 | 74464 | 25536 | 20695 | 20 |
| 90 | 95391 | 74717 | 25283 | 20675 | 10 |
| **17 oo** | 95624 | 74969 | 25031 | 20655 | **83 oo** |
| 10 | 95856 | 75222 | 24778 | 20635 | 90 |
| 20 | 96089 | 75474 | 24526 | 20615 | 80 |
| 30 | 96321 | 75727 | 24273 | 20595 | 70 |
| 40 | 96554 | 75979 | 24021 | 20575 | 60 |
| 50 | 96786 | 76231 | 23769 | 20555 | 50 |
| 60 | 97018 | 76484 | 23516 | 20535 | 40 |
| 70 | 97251 | 76736 | 23264 | 20514 | 30 |
| 80 | 97483 | 76989 | 23011 | 20494 | 20 |
| 90 | 97716 | 77241 | 22759 | 20474 | 10 |
| **18 oo** | 97948 | 77494 | 22506 | 20454 | **82 oo** |
| 10 | 98180 | 77746 | 22254 | 20434 | 90 |
| 20 | 98413 | 77998 | 22002 | 20414 | 80 |
| 30 | 98645 | 78251 | 21749 | 20394 | 70 |
| 40 | 98877 | 78503 | 21497 | 20374 | 60 |
| 50 | 99110 | 78755 | 21245 | 20354 | 50 |
| 60 | 99342 | 79008 | 20992 | 20334 | 40 |
| 70 | 99574 | 79260 | 20740 | 20314 | 30 |
| 80 | 99806 | 79512 | 20488 | 20294 | 20 |
| 90 | ∗00039 | 79764 | 20236 | 20274 | 10 |
| **19 oo** | ∗00271 | 80017 | 19983 | 20254 | **81 oo** |
| 10 | ∗00503 | 80269 | 19731 | 20234 | 90 |
| 20 | ∗00735 | 80521 | 19479 | 20214 | 80 |
| 30 | ∗00967 | 80773 | 19227 | 20194 | 70 |
| 40 | ∗01200 | 81026 | 18974 | 20174 | 60 |
| 50 | ∗01432 | 81278 | 18722 | 20154 | 50 |
| 60 | ∗01664 | 81530 | 18470 | 20134 | 40 |
| 70 | ∗01896 | 81782 | 18218 | 20114 | 30 |
| 80 | ∗02128 | 82034 | 17966 | 20094 | 20 |
| 90 | ∗02360 | 82287 | 17713 | 20074 | 10 |
| **20 oo** | ∗02592 | 82539 | 17461 | 20054 | **80 oo** |
| | ∗**9.45** | **9.46** | **0.53** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 81g |
| | 232 | 252 | 252 | 21 | |

| | 254 | 253 | 252 | 234 | 233 | 232 | 21 | 20 | 19 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 25,4 | 25,3 | 25,2 | 23,4 | 23,3 | 23,2 | 2,1 | 2,0 | 1,9 | 1 |
| 2 | 50,8 | 50,6 | 50,4 | 46,8 | 46,6 | 46,4 | 4,2 | 4,0 | 3,8 | 2 |
| 3 | 76,2 | 75,9 | 75,6 | 70,2 | 69,9 | 69,6 | 6,3 | 6,0 | 5,7 | 3 |
| 4 | 101,6 | 101,2 | 100,8 | 93,6 | 93,2 | 92,8 | 8,4 | 8,0 | 7,6 | 4 |
| 5 | 127,0 | 126,5 | 126,0 | 117,0 | 116,5 | 116,0 | 10,5 | 10,0 | 9,5 | 5 |
| 6 | 152,4 | 151,8 | 151,2 | 140,4 | 139,8 | 139,2 | 12,6 | 12,0 | 11,4 | 6 |
| 7 | 177,8 | 177,1 | 176,4 | 163,8 | 163,1 | 162,4 | 14,7 | 14,0 | 13,3 | 7 |
| 8 | 203,2 | 202,4 | 201,6 | 187,2 | 186,4 | 185,6 | 16,8 | 16,0 | 15,2 | 8 |
| 9 | 228,6 | 227,7 | 226,8 | 210,6 | 209,7 | 208,8 | 18,9 | 18,0 | 17,1 | 9 |

| $18^g$ | 233 | 253 | 253 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.45** | **9.46** | **0.53** | **9.98** | |
| **20 oo** | 02592 | 82539 | 17461 | 20054 | **80 oo** |
| 10 | 02824 | 82791 | 17209 | 20034 | 90 |
| 20 | 03057 | 83043 | 16957 | 20013 | 80 |
| 30 | 03289 | 83295 | 16705 | 19993 | 70 |
| 40 | 03521 | 83547 | 16453 | 19973 | 60 |
| 50 | 03753 | 83799 | 16201 | 19953 | 50 |
| 60 | 03985 | 84051 | 15949 | 19933 | 40 |
| 70 | 04217 | 84303 | 15697 | 19913 | 30 |
| 80 | 04449 | 84555 | 15445 | 19893 | 20 |
| 90 | 04681 | 84808 | 15192 | 19873 | 10 |
| **21 oo** | 04913 | 85060 | 14940 | 19853 | **79 oo** |
| 10 | 05144 | 85312 | 14688 | 19833 | 90 |
| 20 | 05376 | 85564 | 14436 | 19813 | 80 |
| 30 | 05608 | 85816 | 14184 | 19793 | 70 |
| 40 | 05840 | 86067 | 13933 | 19773 | 60 |
| 50 | 06072 | 86319 | 13681 | 19753 | 50 |
| 60 | 06304 | 86571 | 13429 | 19733 | 40 |
| 70 | 06536 | 86823 | 13177 | 19713 | 30 |
| 80 | 06768 | 87075 | 12925 | 19692 | 20 |
| 90 | 07000 | 87327 | 12673 | 19672 | 10 |
| **22 oo** | 07231 | 87579 | 12421 | 19652 | **78 oo** |
| 10 | 07463 | 87831 | 12169 | 19632 | 90 |
| 20 | 07695 | 88083 | 11917 | 19612 | 80 |
| 30 | 07927 | 88335 | 11665 | 19592 | 70 |
| 40 | 08159 | 88587 | 11413 | 19572 | 60 |
| 50 | 08390 | 88838 | 11162 | 19552 | 50 |
| 60 | 08622 | 89090 | 10910 | 19532 | 40 |
| 70 | 08854 | 89342 | 10658 | 19512 | 30 |
| 80 | 09086 | 89594 | 10406 | 19492 | 20 |
| 90 | 09317 | 89846 | 10154 | 19472 | 10 |
| **23 oo** | 09549 | 90097 | 09903 | 19452 | **77 oo** |
| 10 | 09781 | 90349 | 09651 | 19431 | 90 |
| 20 | 10012 | 90601 | 09399 | 19411 | 80 |
| 30 | 10244 | 90853 | 09147 | 19391 | 70 |
| 40 | 10476 | 91104 | 08896 | 19371 | 60 |
| 50 | 10707 | 91356 | 08644 | 19351 | 50 |
| 60 | 10939 | 91608 | 08392 | 19331 | 40 |
| 70 | 11170 | 91859 | 08141 | 19311 | 30 |
| 80 | 11402 | 92111 | 07889 | 19291 | 20 |
| 90 | 11634 | 92363 | 07637 | 19271 | 10 |
| **24 oo** | 11865 | 92614 | 07386 | 19251 | **76 oo** |
| 10 | 12097 | 92866 | 07134 | 19230 | 90 |
| 20 | 12328 | 93118 | 06882 | 19210 | 80 |
| 30 | 12560 | 93369 | 06631 | 19190 | 70 |
| 40 | 12791 | 93621 | 06379 | 19170 | 60 |
| 50 | 13023 | 93873 | 06127 | 19150 | 50 |
| 60 | 13254 | 94124 | 05876 | 19130 | 40 |
| 70 | 13486 | 94376 | 05624 | 19110 | 30 |
| 80 | 13717 | 94627 | 05373 | 19090 | 20 |
| 90 | 13948 | 94879 | 05121 | 19070 | 10 |
| **25 oo** | 14180 | 95130 | 04870 | 19050 | **75 oo** |
| | **9.45** | **9.46** | **0.53** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 231 | 251 | 251 | 21 | |

| $18^g$ | 232 | 252 | 252 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.45** | ***9.46** | ***0.53** | **9.98** | |
| **25 oo** | 14180 | *95130 | *04870 | 19050 | **75 oo** |
| 10 | 14411 | *95382 | *04618 | 19029 | 90 |
| 20 | 14643 | *95633 | *04367 | 19009 | 80 |
| 30 | 14874 | *95885 | *04115 | 18989 | 70 |
| 40 | 15105 | *96136 | *03864 | 18969 | 60 |
| 50 | 15337 | *96388 | *03612 | 18949 | 50 |
| 60 | 15568 | *96639 | *03361 | 18929 | 40 |
| 70 | 15799 | *96891 | *03109 | 18909 | 30 |
| 80 | 16031 | *97142 | *02858 | 18889 | 20 |
| 90 | 16262 | *97394 | *02606 | 18869 | 10 |
| **26 oo** | 16493 | *97645 | *02355 | 18848 | **74 oo** |
| 10 | 16725 | *97896 | *02104 | 18828 | 90 |
| 20 | 16956 | *98148 | *01852 | 18808 | 80 |
| 30 | 17187 | *98399 | *01601 | 18788 | 70 |
| 40 | 17418 | *98650 | *01350 | 18768 | 60 |
| 50 | 17650 | *98902 | *01098 | 18748 | 50 |
| 60 | 17881 | *99153 | *00847 | 18728 | 40 |
| 70 | 18112 | *99404 | *00596 | 18707 | 30 |
| 80 | 18343 | *99656 | *00344 | 18687 | 20 |
| 90 | 18574 | *99907 | *00093 | 18667 | 10 |
| **27 oo** | 18805 | 00158 | 99842 | 18647 | **73 oo** |
| 10 | 19037 | 00410 | 99590 | 18627 | 90 |
| 20 | 19268 | 00661 | 99339 | 18607 | 80 |
| 30 | 19499 | 00912 | 99088 | 18587 | 70 |
| 40 | 19730 | 01163 | 98837 | 18567 | 60 |
| 50 | 19961 | 01415 | 98585 | 18546 | 50 |
| 60 | 20192 | 01666 | 98334 | 18526 | 40 |
| 70 | 20423 | 01917 | 98083 | 18506 | 30 |
| 80 | 20654 | 02168 | 97832 | 18486 | 20 |
| 90 | 20885 | 02419 | 97581 | 18466 | 10 |
| **28 oo** | 21116 | 02671 | 97329 | 18446 | **72 oo** |
| 10 | 21347 | 02922 | 97078 | 18426 | 90 |
| 20 | 21578 | 03173 | 96827 | 18405 | 80 |
| 30 | 21809 | 03424 | 96576 | 18385 | 70 |
| 40 | 22040 | 03675 | 96325 | 18365 | 60 |
| 50 | 22271 | 03926 | 96074 | 18345 | 50 |
| 60 | 22502 | 04177 | 95823 | 18325 | 40 |
| 70 | 22733 | 04428 | 95572 | 18305 | 30 |
| 80 | 22964 | 04679 | 95321 | 18285 | 20 |
| 90 | 23195 | 04931 | 95069 | 18264 | 10 |
| **29 oo** | 23426 | 05182 | 94818 | 18244 | **71 oo** |
| 10 | 23657 | 05433 | 94567 | 18224 | 90 |
| 20 | 23887 | 05684 | 94316 | 18204 | 80 |
| 30 | 24118 | 05935 | 94065 | 18184 | 70 |
| 40 | 24349 | 06186 | 93814 | 18164 | 60 |
| 50 | 24580 | 06437 | 93563 | 18143 | 50 |
| 60 | 24811 | 06688 | 93312 | 18123 | 40 |
| 70 | 25042 | 06939 | 93061 | 18103 | 30 |
| 80 | 25272 | 07189 | 92811 | 18083 | 20 |
| 90 | 25503 | 07440 | 92560 | 18063 | 10 |
| **30 oo** | 25734 | 07691 | 92309 | 18043 | **70 oo** |
| | **9.45** | **9.47** | **0.52** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 230 | 250 | 250 | 21 | |

| | 253 | 252 | 251 | 250 | 233 | 232 | 231 | 230 | 21 | 20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 25,3 | 25,2 | 25,1 | 25,0 | 23,3 | 23,2 | 23,1 | 23,0 | 2,1 | 2,0 | 1 |
| 2 | 50,6 | 50,4 | 50,2 | 50,0 | 46,6 | 46,4 | 46,2 | 46,0 | 4,2 | 4,0 | 2 |
| 3 | 75,9 | 75,6 | 75,3 | 75,0 | 69,9 | 69,6 | 69,3 | 69,0 | 6,3 | 6,0 | 3 |
| 4 | 101,2 | 100,8 | 100,4 | 100,0 | 93,2 | 92,8 | 92,4 | 92,0 | 8,4 | 8,0 | 4 |
| 5 | 126,5 | 126,0 | 125,5 | 125,0 | 116,5 | 116,0 | 115,5 | 115,0 | 10,5 | 10,0 | 5 |
| 6 | 151,8 | 151,2 | 150,6 | 150,0 | 139,8 | 139,2 | 138,6 | 138,0 | 12,6 | 12,0 | 6 |
| 7 | 177,1 | 176,4 | 175,7 | 175,0 | 163,1 | 162,4 | 161,7 | 161,0 | 14,7 | 14,0 | 7 |
| 8 | 202,4 | 201,6 | 200,8 | 200,0 | 186,4 | 185,6 | 184,8 | 184,0 | 16,8 | 16,0 | 8 |
| 9 | 227,7 | 226,8 | 225,9 | 225,0 | 209,7 | 208,8 | 207,9 | 207,0 | 18,9 | 18,0 | 9 |

| $18^g$ | 231 | 251 | 251 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.45** | **9.47** | **0.52** | **9.98** | |
| **30 oo** | 25734 | 07691 | 92309 | 18043 | **70 oo** |
| 10 | 25965 | 07942 | 92058 | 18022 | 90 |
| 20 | 26195 | 08193 | 91807 | 18002 | 80 |
| 30 | 26426 | 08444 | 91556 | 17982 | 70 |
| 40 | 26657 | 08695 | 91305 | 17962 | 60 |
| 50 | 26887 | 08946 | 91054 | 17942 | 50 |
| 60 | 27118 | 09197 | 90803 | 17922 | 40 |
| 70 | 27349 | 09447 | 90553 | 17901 | 30 |
| 80 | 27579 | 09698 | 90302 | 17881 | 20 |
| 90 | 27810 | 09949 | 90051 | 17861 | 10 |
| **31 oo** | 28041 | 10200 | 89800 | 17841 | **69 oo** |
| 10 | 28271 | 10451 | 89549 | 17821 | 90 |
| 20 | 28502 | 10701 | 89299 | 17800 | 80 |
| 30 | 28732 | 10952 | 89048 | 17780 | 70 |
| 40 | 28963 | 11203 | 88797 | 17760 | 60 |
| 50 | 29194 | 11454 | 88546 | 17740 | 50 |
| 60 | 29424 | 11704 | 88296 | 17720 | 40 |
| 70 | 29655 | 11955 | 88045 | 17700 | 30 |
| 80 | 29885 | 12206 | 87794 | 17679 | 20 |
| 90 | 30116 | 12457 | 87543 | 17659 | 10 |
| **32 oo** | 30346 | 12707 | 87293 | 17639 | **68 oo** |
| 10 | 30577 | 12958 | 87042 | 17619 | 90 |
| 20 | 30807 | 13209 | 86791 | 17599 | 80 |
| 30 | 31038 | 13459 | 86541 | 17578 | 70 |
| 40 | 31268 | 13710 | 86290 | 17558 | 60 |
| 50 | 31498 | 13960 | 86040 | 17538 | 50 |
| 60 | 31729 | 14211 | 85789 | 17518 | 40 |
| 70 | 31959 | 14462 | 85538 | 17498 | 30 |
| 80 | 32190 | 14712 | 85288 | 17477 | 20 |
| 90 | 32420 | 14963 | 85037 | 17457 | 10 |
| **33 oo** | 32650 | 15213 | 84787 | 17437 | **67 oo** |
| 10 | 32881 | 15464 | 84536 | 17417 | 90 |
| 20 | 33111 | 15714 | 84286 | 17397 | 80 |
| 30 | 33341 | 15965 | 84035 | 17376 | 70 |
| 40 | 33572 | 16215 | 83785 | 17356 | 60 |
| 50 | 33802 | 16466 | 83534 | 17336 | 50 |
| 60 | 34032 | 16716 | 83284 | 17316 | 40 |
| 70 | 34262 | 16967 | 83033 | 17296 | 30 |
| 80 | 34493 | 17217 | 82783 | 17275 | 20 |
| 90 | 34723 | 17468 | 82532 | 17255 | 10 |
| **34 oo** | 34953 | 17718 | 82282 | 17235 | **66 oo** |
| 10 | 35183 | 17969 | 82031 | 17215 | 90 |
| 20 | 35414 | 18219 | 81781 | 17194 | 80 |
| 30 | 35644 | 18469 | 81531 | 17174 | 70 |
| 40 | 35874 | 18720 | 81280 | 17154 | 60 |
| 50 | 36104 | 18970 | 81030 | 17134 | 50 |
| 60 | 36334 | 19221 | 80779 | 17114 | 40 |
| 70 | 36564 | 19471 | 80529 | 17093 | 30 |
| 80 | 36794 | 19721 | 80279 | 17073 | 20 |
| 90 | 37024 | 19972 | 80028 | 17053 | 10 |
| **35 oo** | 37255 | 20222 | 79778 | 17033 | **65 oo** |
| | **9.45** | **9.47** | **0.52** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 230 | 250 | 250 | 21 | |

| $18^g$ | 230 | 251 | 251 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.45** | **9.47** | **0.52** | **9.98** | |
| **35 oo** | 37255 | 20222 | 79778 | 17033 | **65 oo** |
| 10 | 37485 | 20472 | 79528 | 17012 | 90 |
| 20 | 37715 | 20722 | 79278 | 16992 | 80 |
| 30 | 37945 | 20973 | 79027 | 16972 | 70 |
| 40 | 38175 | 21223 | 78777 | 16952 | 60 |
| 50 | 38405 | 21473 | 78527 | 16932 | 50 |
| 60 | 38635 | 21724 | 78276 | 16911 | 40 |
| 70 | 38865 | 21974 | 78026 | 16891 | 30 |
| 80 | 39095 | 22224 | 77776 | 16871 | 20 |
| 90 | 39325 | 22474 | 77526 | 16851 | 10 |
| **36 oo** | 39555 | 22724 | 77276 | 16830 | **64 oo** |
| 10 | 39785 | 22975 | 77025 | 16810 | 90 |
| 20 | 40015 | 23225 | 76775 | 16790 | 80 |
| 30 | 40245 | 23475 | 76525 | 16770 | 70 |
| 40 | 40474 | 23725 | 76275 | 16749 | 60 |
| 50 | 40704 | 23975 | 76025 | 16729 | 50 |
| 60 | 40934 | 24225 | 75775 | 16709 | 40 |
| 70 | 41164 | 24475 | 75525 | 16689 | 30 |
| 80 | 41394 | 24725 | 75275 | 16668 | 20 |
| 90 | 41624 | 24976 | 75024 | 16648 | 10 |
| **37 oo** | 41854 | 25226 | 74774 | 16628 | **63 oo** |
| 10 | 42083 | 25476 | 74524 | 16608 | 90 |
| 20 | 42313 | 25726 | 74274 | 16587 | 80 |
| 30 | 42543 | 25976 | 74024 | 16567 | 70 |
| 40 | 42773 | 26226 | 73774 | 16547 | 60 |
| 50 | 43002 | 26476 | 73524 | 16527 | 50 |
| 60 | 43232 | 26726 | 73274 | 16506 | 40 |
| 70 | 43462 | 26976 | 73024 | 16486 | 30 |
| 80 | 43692 | 27226 | 72774 | 16466 | 20 |
| 90 | 43921 | 27476 | 72524 | 16446 | 10 |
| **38 oo** | 44151 | 27726 | 72274 | 16425 | **62 oo** |
| 10 | 44381 | 27976 | 72024 | 16405 | 90 |
| 20 | 44610 | 28226 | 71774 | 16385 | 80 |
| 30 | 44840 | 28475 | 71525 | 16365 | 70 |
| 40 | 45070 | 28725 | 71275 | 16344 | 60 |
| 50 | 45299 | 28975 | 71025 | 16324 | 50 |
| 60 | 45529 | 29225 | 70775 | 16304 | 40 |
| 70 | 45759 | 29475 | 70525 | 16284 | 30 |
| 80 | 45988 | 29725 | 70275 | 16263 | 20 |
| 90 | 46218 | 29975 | 70025 | 16243 | 10 |
| **39 oo** | 46447 | 30225 | 69775 | 16223 | **61 oo** |
| 10 | 46677 | 30474 | 69526 | 16202 | 90 |
| 20 | 46906 | 30724 | 69276 | 16182 | 80 |
| 30 | 47136 | 30974 | 69026 | 16162 | 70 |
| 40 | 47365 | 31224 | 68776 | 16142 | 60 |
| 50 | 47595 | 31474 | 68526 | 16121 | 50 |
| 60 | 47824 | 31723 | 68277 | 16101 | 40 |
| 70 | 48054 | 31973 | 68027 | 16081 | 30 |
| 80 | 48283 | 32223 | 67777 | 16060 | 20 |
| 90 | 48513 | 32473 | 67527 | 16040 | 10 |
| **40 oo** | 48742 | 32722 | 67278 | 16020 | **60 oo** |
| | **9.45** | **9.47** | **0.52** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 229 | 249 | 249 | 21 | |

| | 251 | 250 | 249 | 231 | 230 | 229 | 21 | 20 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 25,1 | 25,0 | 24,9 | 23,1 | 23,0 | 22,9 | 2,1 | 2,0 | 1 |
| 2 | 50,2 | 50,0 | 49,8 | 46,2 | 46,0 | 45,8 | 4,2 | 4,0 | 2 |
| 3 | 75,3 | 75,0 | 74,7 | 69,3 | 69,0 | 68,7 | 6,3 | 6,0 | 3 |
| 4 | 100,4 | 100,0 | 99,6 | 92,4 | 92,0 | 91,6 | 8,4 | 8,0 | 4 |
| 5 | 125,5 | 125,0 | 124,5 | 115,5 | 115,0 | 114,5 | 10,5 | 10,0 | 5 |
| 6 | 150,6 | 150,0 | 149,4 | 138,6 | 138,0 | 137,4 | 12,6 | 12,0 | 6 |
| 7 | 175,7 | 175,0 | 174,3 | 161,7 | 161,0 | 160,3 | 14,7 | 14,0 | 7 |
| 8 | 200,8 | 200,0 | 199,2 | 184,8 | 184,0 | 183,2 | 16,8 | 16,0 | 8 |
| 9 | 225,9 | 225,0 | 224,1 | 207,9 | 207,0 | 206,1 | 18,9 | 18,0 | 9 |

| $18^g$ | 230 | 250 | 250 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.45** | **9.47** | **0.52** | **9.98** | |
| **40 oo** | 48742 | 32722 | 67278 | 16020 | **60 oo** |
| 10 | 48972 | 32972 | 67028 | 16000 | 90 |
| 20 | 49201 | 33222 | 66778 | 15979 | 80 |
| 30 | 49430 | 33471 | 66529 | 15959 | 70 |
| 40 | 49660 | 33721 | 66279 | 15939 | 60 |
| 50 | 49889 | 33971 | 66029 | 15918 | 50 |
| 60 | 50118 | 34220 | 65780 | 15898 | 40 |
| 70 | 50348 | 34470 | 65530 | 15878 | 30 |
| 80 | 50577 | 34719 | 65281 | 15858 | 20 |
| 90 | 50806 | 34969 | 65031 | 15837 | 10 |
| **41 oo** | 51036 | 35219 | 64781 | 15817 | **59 oo** |
| 10 | 51265 | 35468 | 64532 | 15797 | 90 |
| 20 | 51494 | 35718 | 64282 | 15776 | 80 |
| 30 | 51723 | 35967 | 64033 | 15756 | 70 |
| 40 | 51953 | 36217 | 63783 | 15736 | 60 |
| 50 | 52182 | 36466 | 63534 | 15715 | 50 |
| 60 | 52411 | 36716 | 63284 | 15695 | 40 |
| 70 | 52640 | 36965 | 63035 | 15675 | 30 |
| 80 | 52870 | 37215 | 62785 | 15655 | 20 |
| 90 | 53099 | 37464 | 62536 | 15634 | 10 |
| **42 oo** | 53328 | 37714 | 62286 | 15614 | **58 oo** |
| 10 | 53557 | 37963 | 62037 | 15594 | 90 |
| 20 | 53786 | 38213 | 61787 | 15573 | 80 |
| 30 | 54015 | 38462 | 61538 | 15553 | 70 |
| 40 | 54244 | 38712 | 61288 | 15533 | 60 |
| 50 | 54474 | 38961 | 61039 | 15512 | 50 |
| 60 | 54703 | 39211 | 60789 | 15492 | 40 |
| 70 | 54932 | 39460 | 60540 | 15472 | 30 |
| 80 | 55161 | 39709 | 60291 | 15451 | 20 |
| 90 | 55390 | 39959 | 60041 | 15431 | 10 |
| **43 oo** | 55619 | 40208 | 59792 | 15411 | **57 oo** |
| 10 | 55848 | 40457 | 59543 | 15390 | 90 |
| 20 | 56077 | 40707 | 59293 | 15370 | 80 |
| 30 | 56306 | 40956 | 59044 | 15350 | 70 |
| 40 | 56535 | 41205 | 58795 | 15330 | 60 |
| 50 | 56764 | 41455 | 58545 | 15309 | 50 |
| 60 | 56993 | 41704 | 58296 | 15289 | 40 |
| 70 | 57222 | 41953 | 58047 | 15269 | 30 |
| 80 | 57451 | 42202 | 57798 | 15248 | 20 |
| 90 | 57679 | 42452 | 57548 | 15228 | 10 |
| **44 oo** | 57908 | 42701 | 57299 | 15208 | **56 oo** |
| 10 | 58137 | 42950 | 57050 | 15187 | 90 |
| 20 | 58366 | 43199 | 56801 | 15167 | 80 |
| 30 | 58595 | 43448 | 56552 | 15147 | 70 |
| 40 | 58824 | 43698 | 56302 | 15126 | 60 |
| 50 | 59053 | 43947 | 56053 | 15106 | 50 |
| 60 | 59282 | 44196 | 55804 | 15086 | 40 |
| 70 | 59510 | 44445 | 55555 | 15065 | 30 |
| 80 | 59739 | 44694 | 55306 | 15045 | 20 |
| 90 | 59968 | 44943 | 55057 | 15025 | 10 |
| **45 oo** | 60197 | 45192 | 54808 | 15004 | **55 oo** |
| | **9.45** | **9.47** | **0.52** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 228 | 249 | 249 | 21 | |

| $18^g$ | 229 | 250 | 250 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.45** | **9.47** | **0.52** | **9.98** | |
| **45 oo** | 60197 | 45192 | 54808 | 15004 | **55 oo** |
| 10 | 60425 | 45442 | 54558 | 14984 | 90 |
| 20 | 60654 | 45691 | 54309 | 14963 | 80 |
| 30 | 60883 | 45940 | 54060 | 14943 | 70 |
| 40 | 61112 | 46189 | 53811 | 14923 | 60 |
| 50 | 61340 | 46438 | 53562 | 14902 | 50 |
| 60 | 61569 | 46687 | 53313 | 14882 | 40 |
| 70 | 61798 | 46936 | 53064 | 14862 | 30 |
| 80 | 62026 | 47185 | 52815 | 14841 | 20 |
| 90 | 62255 | 47434 | 52566 | 14821 | 10 |
| **46 oo** | 62484 | 47683 | 52317 | 14801 | **54 oo** |
| 10 | 62712 | 47932 | 52068 | 14780 | 90 |
| 20 | 62941 | 48181 | 51819 | 14760 | 80 |
| 30 | 63169 | 48430 | 51570 | 14740 | 70 |
| 40 | 63398 | 48679 | 51321 | 14719 | 60 |
| 50 | 63627 | 48928 | 51072 | 14699 | 50 |
| 60 | 63855 | 49177 | 50823 | 14679 | 40 |
| 70 | 64084 | 49426 | 50574 | 14658 | 30 |
| 80 | 64312 | 49674 | 50326 | 14638 | 20 |
| 90 | 64541 | 49923 | 50077 | 14617 | 10 |
| **47 oo** | 64769 | 50172 | 49828 | 14597 | **53 oo** |
| 10 | 64998 | 50421 | 49579 | 14577 | 90 |
| 20 | 65226 | 50670 | 49330 | 14556 | 80 |
| 30 | 65455 | 50919 | 49081 | 14536 | 70 |
| 40 | 65683 | 51168 | 48832 | 14516 | 60 |
| 50 | 65912 | 51416 | 48584 | 14495 | 50 |
| 60 | 66140 | 51665 | 48335 | 14475 | 40 |
| 70 | 66368 | 51914 | 48086 | 14454 | 30 |
| 80 | 66597 | 52163 | 47837 | 14434 | 20 |
| 90 | 66825 | 52412 | 47588 | 14414 | 10 |
| **48 oo** | 67054 | 52660 | 47340 | 14393 | **52 oo** |
| 10 | 67282 | 52909 | 47091 | 14373 | 90 |
| 20 | 67510 | 53158 | 46842 | 14353 | 80 |
| 30 | 67739 | 53406 | 46594 | 14332 | 70 |
| 40 | 67967 | 53655 | 46345 | 14312 | 60 |
| 50 | 68195 | 53904 | 46096 | 14291 | 50 |
| 60 | 68424 | 54153 | 45847 | 14271 | 40 |
| 70 | 68652 | 54401 | 45599 | 14251 | 30 |
| 80 | 68880 | 54650 | 45350 | 14230 | 20 |
| 90 | 69108 | 54899 | 45101 | 14210 | 10 |
| **49 oo** | 69337 | 55147 | 44853 | 14190 | **51 oo** |
| 10 | 69565 | 55396 | 44604 | 14169 | 90 |
| 20 | 69793 | 55644 | 44356 | 14149 | 80 |
| 30 | 70021 | 55893 | 44107 | 14128 | 70 |
| 40 | 70250 | 56142 | 43858 | 14108 | 60 |
| 50 | 70478 | 56390 | 43610 | 14088 | 50 |
| 60 | 70706 | 56639 | 43361 | 14067 | 40 |
| 70 | 70934 | 56887 | 43113 | 14047 | 30 |
| 80 | 71162 | 57136 | 42864 | 14026 | 20 |
| 90 | 71390 | 57384 | 42616 | 14006 | 10 |
| **50 oo** | 71618 | 57633 | 42367 | 13986 | **50 oo** |
| | **9.45** | **9.47** | **0.52** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 228 | 248 | 248 | 21 | |

| | 250 | 249 | 248 | 230 | 229 | 228 | 21 | 20 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 25,0 | 24,9 | 24,8 | 23,0 | 22,9 | 22,8 | 2,1 | 2,0 | 1 |
| 2 | 50,0 | 49,8 | 49,6 | 46,0 | 45,8 | 45,6 | 4,2 | 4,0 | 2 |
| 3 | 75,0 | 74,7 | 74,4 | 69,0 | 68,7 | 68,4 | 6,3 | 6,0 | 3 |
| 4 | 100,0 | 99,6 | 99,2 | 92,0 | 91,6 | 91,2 | 8,4 | 8,0 | 4 |
| 5 | 125,0 | 124,5 | 124,0 | 115,0 | 114,5 | 114,0 | 10,5 | 10,0 | 5 |
| 6 | 150,0 | 149,4 | 148,8 | 138,0 | 137,4 | 136,8 | 12,6 | 12,0 | 6 |
| 7 | 175,0 | 174,3 | 173,6 | 161,0 | 160,3 | 159,6 | 14,7 | 14,0 | 7 |
| 8 | 200,0 | 199,2 | 198,4 | 184,0 | 183,2 | 182,4 | 16,8 | 16,0 | 8 |
| 9 | 225,0 | 224,1 | 223,2 | 207,0 | 206,1 | 205,2 | 18,9 | 18,0 | 9 |

| $18^g$ | 229 | 249 | 249 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.45** | **9.47** | **0.52** | **9.98** | |
| **50 oo** | 71618 | 57633 | 42367 | 13986 | **50 oo** |
| 10 | 71847 | 57881 | 42119 | 13965 | 90 |
| 20 | 72075 | 58130 | 41870 | 13945 | 80 |
| 30 | 72303 | 58378 | 41622 | 13924 | 70 |
| 40 | 72531 | 58627 | 41373 | 13904 | 60 |
| 50 | 72759 | 58875 | 41125 | 13884 | 50 |
| 60 | 72987 | 59124 | 40876 | 13863 | 40 |
| 70 | 73215 | 59372 | 40628 | 13843 | 30 |
| 80 | 73443 | 59621 | 40379 | 13822 | 20 |
| 90 | 73671 | 59869 | 40131 | 13802 | 10 |
| **51 oo** | 73899 | 60117 | 39883 | 13781 | **49 oo** |
| 10 | 74127 | 60366 | 39634 | 13761 | 90 |
| 20 | 74355 | 60614 | 39386 | 13741 | 80 |
| 30 | 74583 | 60863 | 39137 | 13720 | 70 |
| 40 | 74811 | 61111 | 38889 | 13700 | 60 |
| 50 | 75039 | 61359 | 38641 | 13679 | 50 |
| 60 | 75266 | 61608 | 38392 | 13659 | 40 |
| 70 | 75494 | 61856 | 38144 | 13639 | 30 |
| 80 | 75722 | 62104 | 37896 | 13618 | 20 |
| 90 | 75950 | 62352 | 37648 | 13598 | 10 |
| **52 oo** | 76178 | 62601 | 37399 | 13577 | **48 oo** |
| 10 | 76406 | 62849 | 37151 | 13557 | 90 |
| 20 | 76634 | 63097 | 36903 | 13536 | 80 |
| 30 | 76861 | 63345 | 36655 | 13516 | 70 |
| 40 | 77089 | 63594 | 36406 | 13496 | 60 |
| 50 | 77317 | 63842 | 36158 | 13475 | 50 |
| 60 | 77545 | 64090 | 35910 | 13455 | 40 |
| 70 | 77773 | 64338 | 35662 | 13434 | 30 |
| 80 | 78000 | 64587 | 35413 | 13414 | 20 |
| 90 | 78228 | 64835 | 35165 | 13393 | 10 |
| **53 oo** | 78456 | 65083 | 34917 | 13373 | **47 oo** |
| 10 | 78684 | 65331 | 34669 | 13353 | 90 |
| 20 | 78911 | 65579 | 34421 | 13332 | 80 |
| 30 | 79139 | 65827 | 34173 | 13312 | 70 |
| 40 | 79367 | 66075 | 33925 | 13291 | 60 |
| 50 | 79594 | 66323 | 33677 | 13271 | 50 |
| 60 | 79822 | 66572 | 33428 | 13250 | 40 |
| 70 | 80050 | 66820 | 33180 | 13230 | 30 |
| 80 | 80277 | 67068 | 32932 | 13209 | 20 |
| 90 | 80505 | 67316 | 32684 | 13189 | 10 |
| **54 oo** | 80732 | 67564 | 32436 | 13169 | **46 oo** |
| 10 | 80960 | 67812 | 32188 | 13148 | 90 |
| 20 | 81187 | 68060 | 31940 | 13128 | 80 |
| 30 | 81415 | 68308 | 31692 | 13107 | 70 |
| 40 | 81643 | 68556 | 31444 | 13087 | 60 |
| 50 | 81870 | 68804 | 31196 | 13066 | 50 |
| 60 | 82098 | 69052 | 30948 | 13046 | 40 |
| 70 | 82325 | 69300 | 30700 | 13025 | 30 |
| 80 | 82553 | 69548 | 30452 | 13005 | 20 |
| 90 | 82780 | 69796 | 30204 | 12984 | 10 |
| **55 oo** | 83008 | 70044 | 29956 | 12964 | **45 oo** |
| | **9.45** | **9.47** | **0.52** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 227 | 248 | 248 | 21 | |

| $18^g$ | 228 | 248 | 248 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.45** | **9.47** | **0.52** | **9.98** | |
| **55 oo** | 83008 | 70044 | 29956 | 12964 | **45 oo** |
| 10 | 83235 | 70291 | 29709 | 12944 | 90 |
| 20 | 83462 | 70539 | 29461 | 12923 | 80 |
| 30 | 83690 | 70787 | 29213 | 12903 | 70 |
| 40 | 83917 | 71035 | 28965 | 12882 | 60 |
| 50 | 84145 | 71283 | 28717 | 12862 | 50 |
| 60 | 84372 | 71531 | 28469 | 12841 | 40 |
| 70 | 84599 | 71779 | 28221 | 12821 | 30 |
| 80 | 84827 | 72027 | 27973 | 12800 | 20 |
| 90 | 85054 | 72274 | 27726 | 12780 | 10 |
| **56 oo** | 85281 | 72522 | 27478 | 12759 | **44 oo** |
| 10 | 85509 | 72770 | 27230 | 12739 | 90 |
| 20 | 85736 | 73018 | 26982 | 12718 | 80 |
| 30 | 85963 | 73265 | 26735 | 12698 | 70 |
| 40 | 86191 | 73513 | 26487 | 12677 | 60 |
| 50 | 86418 | 73761 | 26239 | 12657 | 50 |
| 60 | 86645 | 74009 | 25991 | 12636 | 40 |
| 70 | 86872 | 74256 | 25744 | 12616 | 30 |
| 80 | 87100 | 74504 | 25496 | 12596 | 20 |
| 90 | 87327 | 74752 | 25248 | 12575 | 10 |
| **57 oo** | 87554 | 75000 | 25000 | 12555 | **43 oo** |
| 10 | 87781 | 75247 | 24753 | 12534 | 90 |
| 20 | 88008 | 75495 | 24505 | 12514 | 80 |
| 30 | 88236 | 75743 | 24257 | 12493 | 70 |
| 40 | 88463 | 75990 | 24010 | 12473 | 60 |
| 50 | 88690 | 76238 | 23762 | 12452 | 50 |
| 60 | 88917 | 76485 | 23515 | 12432 | 40 |
| 70 | 89144 | 76733 | 23267 | 12411 | 30 |
| 80 | 89371 | 76981 | 23019 | 12391 | 20 |
| 90 | 89598 | 77228 | 22772 | 12370 | 10 |
| **58 oo** | 89825 | 77476 | 22524 | 12350 | **42 oo** |
| 10 | 90052 | 77723 | 22277 | 12329 | 90 |
| 20 | 90280 | 77971 | 22029 | 12309 | 80 |
| 30 | 90507 | 78218 | 21782 | 12288 | 70 |
| 40 | 90734 | 78466 | 21534 | 12268 | 60 |
| 50 | 90961 | 78713 | 21287 | 12247 | 50 |
| 60 | 91188 | 78961 | 21039 | 12227 | 40 |
| 70 | 91415 | 79208 | 20792 | 12206 | 30 |
| 80 | 91642 | 79456 | 20544 | 12186 | 20 |
| 90 | 91869 | 79703 | 20297 | 12165 | 10 |
| **59 oo** | 92095 | 79951 | 20049 | 12145 | **41 oo** |
| 10 | 92322 | 80198 | 19802 | 12124 | 90 |
| 20 | 92549 | 80446 | 19554 | 12104 | 80 |
| 30 | 92776 | 80693 | 19307 | 12083 | 70 |
| 40 | 93003 | 80940 | 19060 | 12063 | 60 |
| 50 | 93230 | 81188 | 18812 | 12042 | 50 |
| 60 | 93457 | 81435 | 18565 | 12022 | 40 |
| 70 | 93684 | 81683 | 18317 | 12001 | 30 |
| 80 | 93911 | 81930 | 18070 | 11981 | 20 |
| 90 | 94137 | 82177 | 17823 | 11960 | 10 |
| **60 oo** | 94364 | 82425 | 17575 | 11940 | **40 oo** |
| | **9.45** | **9.47** | **0.52** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 226 | 247 | 247 | 21 | |

| | 249 | 248 | 247 | 229 | 228 | 227 | 226 | 21 | 20 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24,9 | 24,8 | 24,7 | 22,9 | 22,8 | 22,7 | 22,6 | 2,1 | 2,0 | 1 |
| 2 | 49,8 | 49,6 | 49,4 | 45,8 | 45,6 | 45,4 | 45,2 | 4,2 | 4,0 | 2 |
| 3 | 74,7 | 74,4 | 74,1 | 68,7 | 68,4 | 68,1 | 67,8 | 6,3 | 6,0 | 3 |
| 4 | 99,6 | 99,2 | 98,8 | 91,6 | 91,2 | 90,8 | 90,4 | 8,4 | 8,0 | 4 |
| 5 | 124,5 | 124,0 | 123,5 | 114,5 | 114,0 | 113,5 | 113,0 | 10,5 | 10,0 | 5 |
| 6 | 149,4 | 148,8 | 148,2 | 137,4 | 136,8 | 136,2 | 135,6 | 12,6 | 12,0 | 6 |
| 7 | 174,3 | 173,6 | 172,9 | 160,3 | 159,6 | 158,9 | 158,2 | 14,7 | 14,0 | 7 |
| 8 | 199,2 | 198,4 | 197,6 | 183,2 | 182,4 | 181,6 | 180,8 | 16,8 | 16,0 | 8 |
| 9 | 224,1 | 223,2 | 222,3 | 206,1 | 205,2 | 204,3 | 203,4 | 18,9 | 18,0 | 9 |

| $18^g$ | 227 | 248 | 248 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9.45** | **9.47** | **0.52** | **9.98** | |
| **60 oo** | *94364 | 82425 | 17575 | 11940 | **40 oo** |
| 10 | *94591 | 82672 | 17328 | 11919 | 90 |
| 20 | *94818 | 82919 | 17081 | 11899 | 80 |
| 30 | *95045 | 83167 | 16833 | 11878 | 70 |
| 40 | *95271 | 83414 | 16586 | 11857 | 60 |
| 50 | *95498 | 83661 | 16339 | 11837 | 50 |
| 60 | *95725 | 83908 | 16092 | 11816 | 40 |
| 70 | *95952 | 84156 | 15844 | 11796 | 30 |
| 80 | *96178 | 84403 | 15597 | 11775 | 20 |
| 90 | *96405 | 84650 | 15350 | 11755 | 10 |
| **61 oo** | *96632 | 84897 | 15103 | 11734 | **39 oo** |
| 10 | *96858 | 85145 | 14855 | 11714 | 90 |
| 20 | *97085 | 85392 | 14608 | 11693 | 80 |
| 30 | *97312 | 85639 | 14361 | 11673 | 70 |
| 40 | *97538 | 85886 | 14114 | 11652 | 60 |
| 50 | *97765 | 86133 | 13867 | 11632 | 50 |
| 60 | *97992 | 86380 | 13620 | 11611 | 40 |
| 70 | *98218 | 86628 | 13372 | 11591 | 30 |
| 80 | *98445 | 86875 | 13125 | 11570 | 20 |
| 90 | *98671 | 87122 | 12878 | 11549 | 10 |
| **62 oo** | *98898 | 87369 | 12631 | 11529 | **38 oo** |
| 10 | *99124 | 87616 | 12384 | 11508 | 90 |
| 20 | *99351 | 87863 | 12137 | 11488 | 80 |
| 30 | *99577 | 88110 | 11890 | 11467 | 70 |
| 40 | *99804 | 88357 | 11643 | 11447 | 60 |
| 50 | 00030 | 88604 | 11396 | 11426 | 50 |
| 60 | 00257 | 88851 | 11149 | 11406 | 40 |
| 70 | 00483 | 89098 | 10902 | 11385 | 30 |
| 80 | 00710 | 89345 | 10655 | 11365 | 20 |
| 90 | 00936 | 89592 | 10408 | 11344 | 10 |
| **63 oo** | 01163 | 89839 | 10161 | 11323 | **37 oo** |
| 10 | 01389 | 90086 | 09914 | 11303 | 90 |
| 20 | 01616 | 90333 | 09667 | 11282 | 80 |
| 30 | 01842 | 90580 | 09420 | 11262 | 70 |
| 40 | 02068 | 90827 | 09173 | 11241 | 60 |
| 50 | 02295 | 91074 | 08926 | 11221 | 50 |
| 60 | 02521 | 91321 | 08679 | 11200 | 40 |
| 70 | 02747 | 91568 | 08432 | 11180 | 30 |
| 80 | 02974 | 91815 | 08185 | 11159 | 20 |
| 90 | 03200 | 92062 | 07938 | 11138 | 10 |
| **64 oo** | 03426 | 92308 | 07692 | 11118 | **36 oo** |
| 10 | 03653 | 92555 | 07445 | 11097 | 90 |
| 20 | 03879 | 92802 | 07198 | 11077 | 80 |
| 30 | 04105 | 93049 | 06951 | 11056 | 70 |
| 40 | 04331 | 93296 | 06704 | 11036 | 60 |
| 50 | 04558 | 93543 | 06457 | 11015 | 50 |
| 60 | 04784 | 93789 | 06211 | 10994 | 40 |
| 70 | 05010 | 94036 | 05964 | 10974 | 30 |
| 80 | 05236 | 94283 | 05717 | 10953 | 20 |
| 90 | 05462 | 94530 | 05470 | 10933 | 10 |
| **65 oo** | 05689 | 94776 | 05224 | 10912 | **35 oo** |
| | **9.46** | **9.47** | **0.52** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 226 | 246 | 246 | 21 | |

| $18^g$ | 227 | 247 | 247 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.46** | ***9.47** | ***0.52** | **9.98** | |
| **65 oo** | 05689 | *94776 | *05224 | 10912 | **35 oo** |
| 10 | 05915 | *95023 | *04977 | 10892 | 90 |
| 20 | 06141 | *95270 | *04730 | 10871 | 80 |
| 30 | 06367 | *95517 | *04483 | 10850 | 70 |
| 40 | 06593 | *95763 | *04237 | 10830 | 60 |
| 50 | 06819 | *96010 | *03990 | 10809 | 50 |
| 60 | 07045 | *96257 | *03743 | 10789 | 40 |
| 70 | 07271 | *96503 | *03497 | 10768 | 30 |
| 80 | 07498 | *96750 | *03250 | 10748 | 20 |
| 90 | 07724 | *96997 | *03003 | 10727 | 10 |
| **66 oo** | 07950 | *97243 | *02757 | 10706 | **34 oo** |
| 10 | 08176 | *97490 | *02510 | 10686 | 90 |
| 20 | 08402 | *97737 | *02263 | 10665 | 80 |
| 30 | 08628 | *97983 | *02017 | 10645 | 70 |
| 40 | 08854 | *98230 | *01770 | 10624 | 60 |
| 50 | 09080 | *98476 | *01524 | 10603 | 50 |
| 60 | 09306 | *98723 | *01277 | 10583 | 40 |
| 70 | 09532 | *98969 | *01031 | 10562 | 30 |
| 80 | 09757 | *99216 | *00784 | 10542 | 20 |
| 90 | 09983 | *99462 | *00538 | 10521 | 10 |
| **67 oo** | 10209 | *99709 | *00291 | 10500 | **33 oo** |
| 10 | 10435 | *99955 | *00045 | 10480 | 90 |
| 20 | 10661 | 00202 | 99798 | 10459 | 80 |
| 30 | 10887 | 00448 | 99552 | 10439 | 70 |
| 40 | 11113 | 00695 | 99305 | 10418 | 60 |
| 50 | 11339 | 00941 | 99059 | 10397 | 50 |
| 60 | 11565 | 01188 | 98812 | 10377 | 40 |
| 70 | 11790 | 01434 | 98566 | 10356 | 30 |
| 80 | 12016 | 01681 | 98319 | 10336 | 20 |
| 90 | 12242 | 01927 | 98073 | 10315 | 10 |
| **68 oo** | 12468 | 02173 | 97827 | 10294 | **32 oo** |
| 10 | 12694 | 02420 | 97580 | 10274 | 90 |
| 20 | 12919 | 02666 | 97334 | 10253 | 80 |
| 30 | 13145 | 02913 | 97087 | 10232 | 70 |
| 40 | 13371 | 03159 | 96841 | 10212 | 60 |
| 50 | 13597 | 03405 | 96595 | 10191 | 50 |
| 60 | 13822 | 03652 | 96348 | 10171 | 40 |
| 70 | 14048 | 03898 | 96102 | 10150 | 30 |
| 80 | 14274 | 04144 | 95856 | 10129 | 20 |
| 90 | 14499 | 04391 | 95609 | 10109 | 10 |
| **69 oo** | 14725 | 04637 | 95363 | 10088 | **31 oo** |
| 10 | 14951 | 04883 | 95117 | 10068 | 90 |
| 20 | 15176 | 05129 | 94871 | 10047 | 80 |
| 30 | 15402 | 05376 | 94624 | 10026 | 70 |
| 40 | 15627 | 05622 | 94378 | 10006 | 60 |
| 50 | 15853 | 05868 | 94132 | 09985 | 50 |
| 60 | 16079 | 06114 | 93886 | 09964 | 40 |
| 70 | 16304 | 06360 | 93640 | 09944 | 30 |
| 80 | 16530 | 06607 | 93393 | 09923 | 20 |
| 90 | 16755 | 06853 | 93147 | 09902 | 10 |
| **70 oo** | 16981 | 07099 | 92901 | 09882 | **30 oo** |
| | **9.46** | **9.48** | **0.51** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 225 | 246 | 246 | 21 | |

| | 248 | 247 | 246 | 227 | 226 | 225 | 21 | 20 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 24,8 | 24,7 | 24,6 | 22,7 | 22,6 | 22,5 | 2,1 | 2,0 | 1 |
| 2 | 49,6 | 49,4 | 49,2 | 45,4 | 45,2 | 45,0 | 4,2 | 4,0 | 2 |
| 3 | 74,4 | 74,1 | 73,8 | 68,1 | 67,8 | 67,5 | 6,3 | 6,0 | 3 |
| 4 | 99,2 | 98,8 | 98,4 | 90,8 | 90,4 | 90,0 | 8,4 | 8,0 | 4 |
| 5 | 124,0 | 123,5 | 123,0 | 113,5 | 113,0 | 112,5 | 10,5 | 10,0 | 5 |
| 6 | 148,8 | 148,2 | 147,6 | 136,2 | 135,6 | 135,0 | 12,6 | 12,0 | 6 |
| 7 | 173,6 | 172,9 | 172,2 | 158,9 | 158,2 | 157,5 | 14,7 | 14,0 | 7 |
| 8 | 198,4 | 197,6 | 196,8 | 181,6 | 180,8 | 180,0 | 16,8 | 16,0 | 8 |
| 9 | 223,2 | 222,3 | 221,4 | 204,3 | 203,4 | 202,5 | 18,9 | 18,0 | 9 |

| $18^g$ | 226 | 247 | 247 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.46** | **9.48** | **0.51** | **9.98** | |
| **70 oo** | 16981 | 07099 | 92901 | 09882 | **30 oo** |
| 10 | 17206 | 07345 | 92655 | 09861 | 90 |
| 20 | 17432 | 07591 | 92409 | 09841 | 80 |
| 30 | 17657 | 07837 | 92163 | 09820 | 70 |
| 40 | 17883 | 08084 | 91916 | 09799 | 60 |
| 50 | 18108 | 08330 | 91670 | 09779 | 50 |
| 60 | 18334 | 08576 | 91424 | 09758 | 40 |
| 70 | 18559 | 08822 | 91178 | 09737 | 30 |
| 80 | 18785 | 09068 | 90932 | 09717 | 20 |
| 90 | 19010 | 09314 | 90686 | 09696 | 10 |
| **71 oo** | 19235 | 09560 | 90440 | 09675 | **29 oo** |
| 10 | 19461 | 09806 | 90194 | 09655 | 90 |
| 20 | 19686 | 10052 | 89948 | 09634 | 80 |
| 30 | 19912 | 10298 | 89702 | 09613 | 70 |
| 40 | 20137 | 10544 | 89456 | 09593 | 60 |
| 50 | 20362 | 10790 | 89210 | 09572 | 50 |
| 60 | 20588 | 11036 | 88964 | 09552 | 40 |
| 70 | 20813 | 11282 | 88718 | 09531 | 30 |
| 80 | 21038 | 11528 | 88472 | 09510 | 20 |
| 90 | 21263 | 11774 | 88226 | 09490 | 10 |
| **72 oo** | 21489 | 12020 | 87980 | 09469 | **28 oo** |
| 10 | 21714 | 12266 | 87734 | 09448 | 90 |
| 20 | 21939 | 12512 | 87488 | 09428 | 80 |
| 30 | 22165 | 12758 | 87242 | 09407 | 70 |
| 40 | 22390 | 13003 | 86997 | 09386 | 60 |
| 50 | 22615 | 13249 | 86751 | 09366 | 50 |
| 60 | 22840 | 13495 | 86505 | 09345 | 40 |
| 70 | 23065 | 13741 | 86259 | 09324 | 30 |
| 80 | 23291 | 13987 | 86013 | 09304 | 20 |
| 90 | 23516 | 14233 | 85767 | 09283 | 10 |
| **73 oo** | 23741 | 14479 | 85521 | 09262 | **27 oo** |
| 10 | 23966 | 14724 | 85276 | 09242 | 90 |
| 20 | 24191 | 14970 | 85030 | 09221 | 80 |
| 30 | 24416 | 15216 | 84784 | 09200 | 70 |
| 40 | 24641 | 15462 | 84538 | 09180 | 60 |
| 50 | 24866 | 15707 | 84293 | 09159 | 50 |
| 60 | 25091 | 15953 | 84047 | 09138 | 40 |
| 70 | 25317 | 16199 | 83801 | 09118 | 30 |
| 80 | 25542 | 16445 | 83555 | 09097 | 20 |
| 90 | 25767 | 16690 | 83310 | 09076 | 10 |
| **74 oo** | 25992 | 16936 | 83064 | 09055 | **26 oo** |
| 10 | 26217 | 17182 | 82818 | 09035 | 90 |
| 20 | 26442 | 17427 | 82573 | 09014 | 80 |
| 30 | 26667 | 17673 | 82327 | 08993 | 70 |
| 40 | 26892 | 17919 | 82081 | 08973 | 60 |
| 50 | 27117 | 18164 | 81836 | 08952 | 50 |
| 60 | 27341 | 18410 | 81590 | 08931 | 40 |
| 70 | 27566 | 18656 | 81344 | 08911 | 30 |
| 80 | 27791 | 18901 | 81099 | 08890 | 20 |
| 90 | 28016 | 19147 | 80853 | 08869 | 10 |
| **75 oo** | 28241 | 19393 | 80607 | 08849 | **25 oo** |
| | **9.46** | **9.48** | **0.51** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 224 | 245 | 245 | 21 | |

| $18^g$ | 225 | 246 | 246 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.46** | **9.48** | **0.51** | **9.98** | |
| **75 oo** | 28241 | 19393 | 80607 | 08849 | **25 oo** |
| 10 | 28466 | 19638 | 80362 | 08828 | 90 |
| 20 | 28691 | 19884 | 80116 | 08807 | 80 |
| 30 | 28916 | 20129 | 79871 | 08787 | 70 |
| 40 | 29141 | 20375 | 79625 | 08766 | 60 |
| 50 | 29365 | 20620 | 79380 | 08745 | 50 |
| 60 | 29590 | 20866 | 79134 | 08724 | 40 |
| 70 | 29815 | 21111 | 78889 | 08704 | 30 |
| 80 | 30040 | 21357 | 78643 | 08683 | 20 |
| 90 | 30265 | 21602 | 78398 | 08662 | 10 |
| **76 oo** | 30489 | 21848 | 78152 | 08642 | **24 oo** |
| 10 | 30714 | 22093 | 77907 | 08621 | 90 |
| 20 | 30939 | 22339 | 77661 | 08600 | 80 |
| 30 | 31164 | 22584 | 77416 | 08579 | 70 |
| 40 | 31388 | 22830 | 77170 | 08559 | 60 |
| 50 | 31613 | 23075 | 76925 | 08538 | 50 |
| 60 | 31838 | 23320 | 76680 | 08517 | 40 |
| 70 | 32062 | 23566 | 76434 | 08497 | 30 |
| 80 | 32287 | 23811 | 76189 | 08476 | 20 |
| 90 | 32512 | 24056 | 75944 | 08455 | 10 |
| **77 oo** | 32736 | 24302 | 75698 | 08434 | **23 oo** |
| 10 | 32961 | 24547 | 75453 | 08414 | 90 |
| 20 | 33186 | 24793 | 75207 | 08393 | 80 |
| 30 | 33410 | 25038 | 74962 | 08372 | 70 |
| 40 | 33635 | 25283 | 74717 | 08352 | 60 |
| 50 | 33859 | 25528 | 74472 | 08331 | 50 |
| 60 | 34084 | 25774 | 74226 | 08310 | 40 |
| 70 | 34308 | 26019 | 73981 | 08289 | 30 |
| 80 | 34533 | 26264 | 73736 | 08269 | 20 |
| 90 | 34758 | 26510 | 73490 | 08248 | 10 |
| **78 oo** | 34982 | 26755 | 73245 | 08227 | **22 oo** |
| 10 | 35207 | 27000 | 73000 | 08207 | 90 |
| 20 | 35431 | 27245 | 72755 | 08186 | 80 |
| 30 | 35655 | 27490 | 72510 | 08165 | 70 |
| 40 | 35880 | 27736 | 72264 | 08144 | 60 |
| 50 | 36104 | 27981 | 72019 | 08124 | 50 |
| 60 | 36329 | 28226 | 71774 | 08103 | 40 |
| 70 | 36553 | 28471 | 71529 | 08082 | 30 |
| 80 | 36778 | 28716 | 71284 | 08061 | 20 |
| 90 | 37002 | 28961 | 71039 | 08041 | 10 |
| **79 oo** | 37226 | 29207 | 70793 | 08020 | **21 oo** |
| 10 | 37451 | 29452 | 70548 | 07999 | 90 |
| 20 | 37675 | 29697 | 70303 | 07978 | 80 |
| 30 | 37900 | 29942 | 70058 | 07958 | 70 |
| 40 | 38124 | 30187 | 69813 | 07937 | 60 |
| 50 | 38348 | 30432 | 69568 | 07916 | 50 |
| 60 | 38573 | 30677 | 69323 | 07895 | 40 |
| 70 | 38797 | 30922 | 69078 | 07875 | 30 |
| 80 | 39021 | 31167 | 68833 | 07854 | 20 |
| 90 | 39245 | 31412 | 68588 | 07833 | 10 |
| **80 oo** | 39470 | 31657 | 68343 | 07812 | **20 oo** |
| | **9.46** | **9.48** | **0.51** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 224 | 245 | 245 | 21 | |

| | 247 | 246 | 245 | 226 | 225 | 224 | 21 | 20 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 24,7 | 24,6 | 24,5 | 22,6 | 22,5 | 22,4 | 2,1 | 2,0 | 1 |
| 2 | 49,4 | 49,2 | 49,0 | 45,2 | 45,0 | 44,8 | 4,2 | 4,0 | 2 |
| 3 | 74,1 | 73,8 | 73,5 | 67,8 | 67,5 | 67,2 | 6,3 | 6,0 | 3 |
| 4 | 98,8 | 98,4 | 98,0 | 90,4 | 90,0 | 89,6 | 8,4 | 8,0 | 4 |
| 5 | 123,5 | 123,0 | 122,5 | 113,0 | 112,5 | 112,0 | 10,5 | 10,0 | 5 |
| 6 | 148,2 | 147,6 | 147,0 | 135,6 | 135,0 | 134,4 | 12,6 | 12,0 | 6 |
| 7 | 172,9 | 172,2 | 171,5 | 158,2 | 157,5 | 156,8 | 14,7 | 14,0 | 7 |
| 8 | 197,6 | 196,8 | 196,0 | 180,8 | 180,0 | 179,2 | 16,8 | 16,0 | 8 |
| 9 | 222,3 | 221,4 | 220,5 | 203,4 | 202,5 | 201,6 | 18,9 | 18,0 | 9 |

| 18g | 225 | 245 | 245 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.46** | **9.48** | **0.51** | **9.98** | |
| **80 oo** | 39470 | 31657 | 68343 | 07812 | **20 oo** |
| 10 | 39694 | 31902 | 68098 | 07792 | 90 |
| 20 | 39918 | 32147 | 67853 | 07771 | 80 |
| 30 | 40142 | 32392 | 67608 | 07750 | 70 |
| 40 | 40367 | 32637 | 67363 | 07729 | 60 |
| 50 | 40591 | 32882 | 67118 | 07709 | 50 |
| 60 | 40815 | 33127 | 66873 | 07688 | 40 |
| 70 | 41039 | 33372 | 66628 | 07667 | 30 |
| 80 | 41263 | 33617 | 66383 | 07646 | 20 |
| 90 | 41487 | 33862 | 66138 | 07626 | 10 |
| **81 oo** | 41712 | 34107 | 65893 | 07605 | **19 oo** |
| 10 | 41936 | 34352 | 65648 | 07584 | 90 |
| 20 | 42160 | 34596 | 65404 | 07563 | 80 |
| 30 | 42384 | 34841 | 65159 | 07543 | 70 |
| 40 | 42608 | 35086 | 64914 | 07522 | 60 |
| 50 | 42832 | 35331 | 64669 | 07501 | 50 |
| 60 | 43056 | 35576 | 64424 | 07480 | 40 |
| 70 | 43280 | 35821 | 64179 | 07459 | 30 |
| 80 | 43504 | 36065 | 63935 | 07439 | 20 |
| 90 | 43728 | 36310 | 63690 | 07418 | 10 |
| **82 oo** | 43952 | 36555 | 63445 | 07397 | **18 oo** |
| 10 | 44176 | 36800 | 63200 | 07376 | 90 |
| 20 | 44400 | 37045 | 62955 | 07356 | 80 |
| 30 | 44624 | 37289 | 62711 | 07335 | 70 |
| 40 | 44848 | 37534 | 62466 | 07314 | 60 |
| 50 | 45072 | 37779 | 62221 | 07293 | 50 |
| 60 | 45296 | 38023 | 61977 | 07272 | 40 |
| 70 | 45520 | 38268 | 61732 | 07252 | 30 |
| 80 | 45744 | 38513 | 61487 | 07231 | 20 |
| 90 | 45968 | 38758 | 61242 | 07210 | 10 |
| **83 oo** | 46192 | 39002 | 60998 | 07189 | **17 oo** |
| 10 | 46415 | 39247 | 60753 | 07169 | 90 |
| 20 | 46639 | 39491 | 60509 | 07148 | 80 |
| 30 | 46863 | 39736 | 60264 | 07127 | 70 |
| 40 | 47087 | 39981 | 60019 | 07106 | 60 |
| 50 | 47311 | 40225 | 59775 | 07085 | 50 |
| 60 | 47535 | 40470 | 59530 | 07065 | 40 |
| 70 | 47758 | 40715 | 59285 | 07044 | 30 |
| 80 | 47982 | 40959 | 59041 | 07023 | 20 |
| 90 | 48206 | 41204 | 58796 | 07002 | 10 |
| **84 oo** | 48430 | 41448 | 58552 | 06981 | **16 oo** |
| 10 | 48653 | 41693 | 58307 | 06961 | 90 |
| 20 | 48877 | 41937 | 58063 | 06940 | 80 |
| 30 | 49101 | 42182 | 57818 | 06919 | 70 |
| 40 | 49325 | 42426 | 57574 | 06898 | 60 |
| 50 | 49548 | 42671 | 57329 | 06877 | 50 |
| 60 | 49772 | 42915 | 57085 | 06857 | 40 |
| 70 | 49996 | 43160 | 56840 | 06836 | 30 |
| 80 | 50219 | 43404 | 56596 | 06815 | 20 |
| 90 | 50443 | 43649 | 56351 | 06794 | 10 |
| **85 oo** | 50666 | 43893 | 56107 | 06773 | **15 oo** |
| | **9.46** | **9.48** | **0.51** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 81g |
| | 223 | 244 | 244 | 21 | |

| 18g | 224 | 245 | 245 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.46** | **9.48** | **0.51** | **9.98** | |
| **85 oo** | 50666 | 43893 | 56107 | 06773 | **15 oo** |
| 10 | 50890 | 44138 | 55862 | 06753 | 90 |
| 20 | 51114 | 44382 | 55618 | 06732 | 80 |
| 30 | 51337 | 44626 | 55374 | 06711 | 70 |
| 40 | 51561 | 44871 | 55129 | 06690 | 60 |
| 50 | 51784 | 45115 | 54885 | 06669 | 50 |
| 60 | 52008 | 45360 | 54640 | 06648 | 40 |
| 70 | 52232 | 45604 | 54396 | 06628 | 30 |
| 80 | 52455 | 45848 | 54152 | 06607 | 20 |
| 90 | 52679 | 46093 | 53907 | 06586 | 10 |
| **86 oo** | 52902 | 46337 | 53663 | 06565 | **14 oo** |
| 10 | 53126 | 46581 | 53419 | 06544 | 90 |
| 20 | 53349 | 46826 | 53174 | 06524 | 80 |
| 30 | 53573 | 47070 | 52930 | 06503 | 70 |
| 40 | 53796 | 47314 | 52686 | 06482 | 60 |
| 50 | 54019 | 47558 | 52442 | 06461 | 50 |
| 60 | 54243 | 47803 | 52197 | 06440 | 40 |
| 70 | 54466 | 48047 | 51953 | 06419 | 30 |
| 80 | 54690 | 48291 | 51709 | 06399 | 20 |
| 90 | 54913 | 48535 | 51465 | 06378 | 10 |
| **87 oo** | 55136 | 48780 | 51220 | 06357 | **13 oo** |
| 10 | 55360 | 49024 | 50976 | 06336 | 90 |
| 20 | 55583 | 49268 | 50732 | 06315 | 80 |
| 30 | 55806 | 49512 | 50488 | 06294 | 70 |
| 40 | 56030 | 49756 | 50244 | 06274 | 60 |
| 50 | 56253 | 50000 | 50000 | 06253 | 50 |
| 60 | 56476 | 50245 | 49755 | 06232 | 40 |
| 70 | 56700 | 50489 | 49511 | 06211 | 30 |
| 80 | 56923 | 50733 | 49267 | 06190 | 20 |
| 90 | 57146 | 50977 | 49023 | 06169 | 10 |
| **88 oo** | 57369 | 51221 | 48779 | 06149 | **12 oo** |
| 10 | 57593 | 51465 | 48535 | 06128 | 90 |
| 20 | 57816 | 51709 | 48291 | 06107 | 80 |
| 30 | 58039 | 51953 | 48047 | 06086 | 70 |
| 40 | 58262 | 52197 | 47803 | 06065 | 60 |
| 50 | 58486 | 52441 | 47559 | 06044 | 50 |
| 60 | 58709 | 52685 | 47315 | 06023 | 40 |
| 70 | 58932 | 52929 | 47071 | 06003 | 30 |
| 80 | 59155 | 53173 | 46827 | 05982 | 20 |
| 90 | 59378 | 53417 | 46583 | 05961 | 10 |
| **89 oo** | 59601 | 53661 | 46339 | 05940 | **11 oo** |
| 10 | 59824 | 53905 | 46095 | 05919 | 90 |
| 20 | 60048 | 54149 | 45851 | 05898 | 80 |
| 30 | 60271 | 54393 | 45607 | 05877 | 70 |
| 40 | 60494 | 54637 | 45363 | 05857 | 60 |
| 50 | 60717 | 54881 | 45119 | 05836 | 50 |
| 60 | 60940 | 55125 | 44875 | 05815 | 40 |
| 70 | 61163 | 55369 | 44631 | 05794 | 30 |
| 80 | 61386 | 55613 | 44387 | 05773 | 20 |
| 90 | 61609 | 55857 | 44143 | 05752 | 10 |
| **90 oo** | 61832 | 56101 | 43899 | 05731 | **10 oo** |
| | **9.46** | **9.48** | **0.51** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 81g |
| | 223 | 244 | 244 | 21 | |

| | 245 | 244 | 225 | 224 | 223 | 21 | 20 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 24,5 | 24,4 | 22,5 | 22,4 | 22,3 | 2,1 | 2,0 | 1 |
| 2 | 49,0 | 48,8 | 45,0 | 44,8 | 44,6 | 4,2 | 4,0 | 2 |
| 3 | 73,5 | 73,2 | 67,5 | 67,2 | 66,9 | 6,3 | 6,0 | 3 |
| 4 | 98,0 | 97,6 | 90,0 | 89,6 | 89,2 | 8,4 | 8,0 | 4 |
| 5 | 122,5 | 122,0 | 112,5 | 112,0 | 111,5 | 10,5 | 10,0 | 5 |
| 6 | 147,0 | 146,4 | 135,0 | 134,4 | 133,8 | 12,6 | 12,0 | 6 |
| 7 | 171,5 | 170,8 | 157,5 | 156,8 | 156,1 | 14,7 | 14,0 | 7 |
| 8 | 196,0 | 195,2 | 180,0 | 179,2 | 178,4 | 16,8 | 16,0 | 8 |
| 9 | 220,5 | 219,6 | 202,5 | 201,6 | 200,7 | 18,9 | 18,0 | 9 |

| $18^g$ | 223 | 244 | 244 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.46** | **9.48** | **0.51** | **9.98** | |
| **90 oo** | 61832 | 56101 | 43899 | 05731 | **10 oo** |
| 10 | 62055 | 56344 | 43656 | 05710 | 90 |
| 20 | 62278 | 56588 | 43412 | 05690 | 80 |
| 30 | 62501 | 56832 | 43168 | 05669 | 70 |
| 40 | 62724 | 57076 | 42924 | 05648 | 60 |
| 50 | 62947 | 57320 | 42680 | 05627 | 50 |
| 60 | 63170 | 57564 | 42436 | 05606 | 40 |
| 70 | 63393 | 57807 | 42193 | 05585 | 30 |
| 80 | 63615 | 58051 | 41949 | 05564 | 20 |
| 90 | 63838 | 58295 | 41705 | 05543 | 10 |
| **91 oo** | 64061 | 58539 | 41461 | 05523 | **09 oo** |
| 10 | 64284 | 58782 | 41218 | 05502 | 90 |
| 20 | 64507 | 59026 | 40974 | 05481 | 80 |
| 30 | 64730 | 59270 | 40730 | 05460 | 70 |
| 40 | 64953 | 59514 | 40486 | 05439 | 60 |
| 50 | 65175 | 59757 | 40243 | 05418 | 50 |
| 60 | 65398 | 60001 | 39999 | 05397 | 40 |
| 70 | 65621 | 60245 | 39755 | 05376 | 30 |
| 80 | 65844 | 60488 | 39512 | 05356 | 20 |
| 90 | 66067 | 60732 | 39268 | 05335 | 10 |
| **92 oo** | 66289 | 60976 | 39024 | 05314 | **08 oo** |
| 10 | 66512 | 61219 | 38781 | 05293 | 90 |
| 20 | 66735 | 61463 | 38537 | 05272 | 80 |
| 30 | 66957 | 61706 | 38294 | 05251 | 70 |
| 40 | 67180 | 61950 | 38050 | 05230 | 60 |
| 50 | 67403 | 62194 | 37806 | 05209 | 50 |
| 60 | 67626 | 62437 | 37563 | 05188 | 40 |
| 70 | 67848 | 62681 | 37319 | 05167 | 30 |
| 80 | 68071 | 62924 | 37076 | 05147 | 20 |
| 90 | 68293 | 63168 | 36832 | 05126 | 10 |
| **93 oo** | 68516 | 63411 | 36589 | 05105 | **07 oo** |
| 10 | 68739 | 63655 | 36345 | 05084 | 90 |
| 20 | 68961 | 63898 | 36102 | 05063 | 80 |
| 30 | 69184 | 64142 | 35858 | 05042 | 70 |
| 40 | 69406 | 64385 | 35615 | 05021 | 60 |
| 50 | 69629 | 64629 | 35371 | 05000 | 50 |
| 60 | 69852 | 64872 | 35128 | 04979 | 40 |
| 70 | 70074 | 65116 | 34884 | 04958 | 30 |
| 80 | 70297 | 65359 | 34641 | 04937 | 20 |
| 90 | 70519 | 65603 | 34397 | 04917 | 10 |
| **94 oo** | 70742 | 65846 | 34154 | 04896 | **06 oo** |
| 10 | 70964 | 66089 | 33911 | 04875 | 90 |
| 20 | 71187 | 66333 | 33667 | 04854 | 80 |
| 30 | 71409 | 66576 | 33424 | 04833 | 70 |
| 40 | 71632 | 66820 | 33180 | 04812 | 60 |
| 50 | 71854 | 67063 | 32937 | 04791 | 50 |
| 60 | 72076 | 67306 | 32694 | 04770 | 40 |
| 70 | 72299 | 67550 | 32450 | 04749 | 30 |
| 80 | 72521 | 67793 | 32207 | 04728 | 20 |
| 90 | 72744 | 68036 | 31964 | 04707 | 10 |
| **95 oo** | 72966 | 68280 | 31720 | 04686 | **05 oo** |
| | **9.46** | **9.48** | **0.51** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 222 | 243 | 243 | 21 | |

| $18^g$ | 223 | 244 | 244 | 20 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.46** | **9.48** | **0.51** | **9.98** | |
| **95 oo** | 72966 | 68280 | 31720 | 04686 | **05 oo** |
| 10 | 73188 | 68523 | 31477 | 04665 | 90 |
| 20 | 73411 | 68766 | 31234 | 04645 | 80 |
| 30 | 73633 | 69009 | 30991 | 04624 | 70 |
| 40 | 73855 | 69253 | 30747 | 04603 | 60 |
| 50 | 74078 | 69496 | 30504 | 04582 | 50 |
| 60 | 74300 | 69739 | 30261 | 04561 | 40 |
| 70 | 74522 | 69982 | 30018 | 04540 | 30 |
| 80 | 74745 | 70226 | 29774 | 04519 | 20 |
| 90 | 74967 | 70469 | 29531 | 04498 | 10 |
| **96 oo** | 75189 | 70712 | 29288 | 04477 | **04 oo** |
| 10 | 75411 | 70955 | 29045 | 04456 | 90 |
| 20 | 75634 | 71198 | 28802 | 04435 | 80 |
| 30 | 75856 | 71442 | 28558 | 04414 | 70 |
| 40 | 76078 | 71685 | 28315 | 04393 | 60 |
| 50 | 76300 | 71928 | 28072 | 04372 | 50 |
| 60 | 76522 | 72171 | 27829 | 04351 | 40 |
| 70 | 76744 | 72414 | 27586 | 04330 | 30 |
| 80 | 76967 | 72657 | 27343 | 04310 | 20 |
| 90 | 77189 | 72900 | 27100 | 04289 | 10 |
| **97 oo** | 77411 | 73143 | 26857 | 04268 | **03 oo** |
| 10 | 77633 | 73386 | 26614 | 04247 | 90 |
| 20 | 77855 | 73629 | 26371 | 04226 | 80 |
| 30 | 78077 | 73872 | 26128 | 04205 | 70 |
| 40 | 78299 | 74116 | 25884 | 04184 | 60 |
| 50 | 78521 | 74359 | 25641 | 04163 | 50 |
| 60 | 78743 | 74602 | 25398 | 04142 | 40 |
| 70 | 78965 | 74845 | 25155 | 04121 | 30 |
| 80 | 79187 | 75088 | 24912 | 04100 | 20 |
| 90 | 79409 | 75330 | 24670 | 04079 | 10 |
| **98 oo** | 79631 | 75573 | 24427 | 04058 | **02 oo** |
| 10 | 79853 | 75816 | 24184 | 04037 | 90 |
| 20 | 80075 | 76059 | 23941 | 04016 | 80 |
| 30 | 80297 | 76302 | 23698 | 03995 | 70 |
| 40 | 80519 | 76545 | 23455 | 03974 | 60 |
| 50 | 80741 | 76788 | 23212 | 03953 | 50 |
| 60 | 80963 | 77031 | 22969 | 03932 | 40 |
| 70 | 81185 | 77274 | 22726 | 03911 | 30 |
| 80 | 81407 | 77517 | 22483 | 03890 | 20 |
| 90 | 81629 | 77760 | 22240 | 03869 | 10 |
| **99 oo** | 81851 | 78003 | 21997 | 03848 | **01 oo** |
| 10 | 82073 | 78245 | 21755 | 03827 | 90 |
| 20 | 82295 | 78488 | 21512 | 03806 | 80 |
| 30 | 82516 | 78731 | 21269 | 03785 | 70 |
| 40 | 82738 | 78974 | 21026 | 03764 | 60 |
| 50 | 82960 | 79217 | 20783 | 03743 | 50 |
| 60 | 83182 | 79459 | 20541 | 03722 | 40 |
| 70 | 83404 | 79702 | 20298 | 03701 | 30 |
| 80 | 83625 | 79945 | 20055 | 03680 | 20 |
| 90 | 83847 | 80188 | 19812 | 03660 | 10 |
| **100 oo** | 84069 | 80430 | 19570 | 03639 | **00 oo** |
| | **9.46** | **9.48** | **0.51** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | $81^g$ |
| | 221 | 242 | 242 | 21 | |

| | 244 | 243 | 242 | 223 | 222 | 221 | 21 | 20 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 24,4 | 24,3 | 24,2 | 22,3 | 22,2 | 22,1 | 2,1 | 2,0 | 1 |
| 2 | 48,8 | 48,6 | 48,4 | 44,6 | 44,4 | 44,2 | 4,2 | 4,0 | 2 |
| 3 | 73,2 | 72,9 | 72,6 | 66,9 | 66,6 | 66,3 | 6,3 | 6,0 | 3 |
| 4 | 97,6 | 97,2 | 96,8 | 89,2 | 88,8 | 88,4 | 8,4 | 8,0 | 4 |
| 5 | 122,0 | 121,5 | 121,0 | 111,5 | 111,0 | 110,5 | 10,5 | 10,0 | 5 |
| 6 | 146,4 | 145,8 | 145,2 | 133,8 | 133,2 | 132,6 | 12,6 | 12,0 | 6 |
| 7 | 170,8 | 170,1 | 169,4 | 156,1 | 155,4 | 154,7 | 14,7 | 14,0 | 7 |
| 8 | 195,2 | 194,4 | 193,6 | 178,4 | 177,6 | 176,8 | 16,8 | 16,0 | 8 |
| 9 | 219,6 | 218,7 | 217,8 | 200,7 | 199,8 | 198,9 | 18,9 | 18,0 | 9 |

| 19g | 222 | 243 | 243 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.46** | **9.48** | **0.51** | **9.98** | |
| **00 oo** | 84069 | 80430 | 19570 | 03639 | **100 oo** |
| 10 | 84291 | 80673 | 19327 | 03618 | 90 |
| 20 | 84512 | 80916 | 19084 | 03597 | 80 |
| 30 | 84734 | 81159 | 18841 | 03576 | 70 |
| 40 | 84956 | 81401 | 18599 | 03555 | 60 |
| 50 | 85178 | 81644 | 18356 | 03534 | 50 |
| 60 | 85399 | 81887 | 18113 | 03513 | 40 |
| 70 | 85621 | 82129 | 17871 | 03492 | 30 |
| 80 | 85843 | 82372 | 17628 | 03471 | 20 |
| 90 | 86064 | 82615 | 17385 | 03450 | 10 |
| **01 oo** | 86286 | 82857 | 17143 | 03429 | **99 oo** |
| 10 | 86507 | 83100 | 16900 | 03408 | 90 |
| 20 | 86729 | 83342 | 16658 | 03387 | 80 |
| 30 | 86951 | 83585 | 16415 | 03366 | 70 |
| 40 | 87172 | 83828 | 16172 | 03345 | 60 |
| 50 | 87394 | 84070 | 15930 | 03324 | 50 |
| 60 | 87615 | 84313 | 15687 | 03303 | 40 |
| 70 | 87837 | 84555 | 15445 | 03282 | 30 |
| 80 | 88058 | 84798 | 15202 | 03261 | 20 |
| 90 | 88280 | 85040 | 14960 | 03240 | 10 |
| **02 oo** | 88501 | 85283 | 14717 | 03219 | **98 oo** |
| 10 | 88723 | 85525 | 14475 | 03198 | 90 |
| 20 | 88944 | 85768 | 14232 | 03177 | 80 |
| 30 | 89166 | 86010 | 13990 | 03156 | 70 |
| 40 | 89387 | 86253 | 13747 | 03135 | 60 |
| 50 | 89609 | 86495 | 13505 | 03113 | 50 |
| 60 | 89830 | 86738 | 13262 | 03092 | 40 |
| 70 | 90052 | 86980 | 13020 | 03071 | 30 |
| 80 | 90273 | 87223 | 12777 | 03050 | 20 |
| 90 | 90494 | 87465 | 12535 | 03029 | 10 |
| **03 oo** | 90716 | 87707 | 12293 | 03008 | **97 oo** |
| 10 | 90937 | 87950 | 12050 | 02987 | 90 |
| 20 | 91159 | 88192 | 11808 | 02966 | 80 |
| 30 | 91380 | 88435 | 11565 | 02945 | 70 |
| 40 | 91601 | 88677 | 11323 | 02924 | 60 |
| 50 | 91823 | 88919 | 11081 | 02903 | 50 |
| 60 | 92044 | 89162 | 10838 | 02882 | 40 |
| 70 | 92265 | 89404 | 10596 | 02861 | 30 |
| 80 | 92486 | 89646 | 10354 | 02840 | 20 |
| 90 | 92708 | 89889 | 10111 | 02819 | 10 |
| **04 oo** | 92929 | 90131 | 09869 | 02798 | **96 oo** |
| 10 | 93150 | 90373 | 09627 | 02777 | 90 |
| 20 | 93371 | 90615 | 09385 | 02756 | 80 |
| 30 | 93593 | 90858 | 09142 | 02735 | 70 |
| 40 | 93814 | 91100 | 08900 | 02714 | 60 |
| 50 | 94035 | 91342 | 08658 | 02693 | 50 |
| 60 | 94256 | 91584 | 08416 | 02672 | 40 |
| 70 | 94477 | 91827 | 08173 | 02651 | 30 |
| 80 | 94699 | 92069 | 07931 | 02630 | 20 |
| 90 | 94920 | 92311 | 07689 | 02609 | 10 |
| **05 oo** | 95141 | 92553 | 07447 | 02588 | **95 oo** |
| | **9.46** | **9.48** | **0.51** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 221 | 242 | 242 | 22 | |

| 19g | 222 | 243 | 243 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.46** | **9.48** | **0.51** | **9.98** | |
| **05 oo** | ∗95141 | 92553 | 07447 | 02588 | **95 oo** |
| 10 | ∗95362 | 92795 | 07205 | 02567 | 90 |
| 20 | ∗95583 | 93038 | 06962 | 02546 | 80 |
| 30 | ∗95804 | 93280 | 06720 | 02525 | 70 |
| 40 | ∗96025 | 93522 | 06478 | 02504 | 60 |
| 50 | ∗96246 | 93764 | 06236 | 02482 | 50 |
| 60 | ∗96467 | 94006 | 05994 | 02461 | 40 |
| 70 | ∗96689 | 94248 | 05752 | 02440 | 30 |
| 80 | ∗96910 | 94490 | 05510 | 02419 | 20 |
| 90 | ∗97131 | 94732 | 05268 | 02398 | 10 |
| **06 oo** | ∗97352 | 94974 | 05026 | 02377 | **94 oo** |
| 10 | ∗97573 | 95216 | 04784 | 02356 | 90 |
| 20 | ∗97794 | 95459 | 04541 | 02335 | 80 |
| 30 | ∗98015 | 95701 | 04299 | 02314 | 70 |
| 40 | ∗98236 | 95943 | 04057 | 02293 | 60 |
| 50 | ∗98456 | 96185 | 03815 | 02272 | 50 |
| 60 | ∗98677 | 96427 | 03573 | 02251 | 40 |
| 70 | ∗98898 | 96669 | 03331 | 02230 | 30 |
| 80 | ∗99119 | 96911 | 03089 | 02209 | 20 |
| 90 | ∗99340 | 97153 | 02847 | 02188 | 10 |
| **07 oo** | ∗99561 | 97394 | 02606 | 02167 | **93 oo** |
| 10 | ∗99782 | 97636 | 02364 | 02145 | 90 |
| 20 | 00003 | 97878 | 02122 | 02124 | 80 |
| 30 | 00224 | 98120 | 01880 | 02103 | 70 |
| 40 | 00445 | 98362 | 01638 | 02082 | 60 |
| 50 | 00665 | 98604 | 01396 | 02061 | 50 |
| 60 | 00886 | 98846 | 01154 | 02040 | 40 |
| 70 | 01107 | 99088 | 00912 | 02019 | 30 |
| 80 | 01328 | 99330 | 00670 | 01998 | 20 |
| 90 | 01549 | 99572 | 00428 | 01977 | 10 |
| **08 oo** | 01769 | 99813 | 00187 | 01956 | **92 oo** |
| 10 | 01990 | ∗00055 | ∗99945 | 01935 | 90 |
| 20 | 02211 | ∗00297 | ∗99703 | 01914 | 80 |
| 30 | 02432 | ∗00539 | ∗99461 | 01893 | 70 |
| 40 | 02652 | ∗00781 | ∗99219 | 01871 | 60 |
| 50 | 02873 | ∗01023 | ∗98977 | 01850 | 50 |
| 60 | 03094 | ∗01264 | ∗98736 | 01829 | 40 |
| 70 | 03314 | ∗01506 | ∗98494 | 01808 | 30 |
| 80 | 03535 | ∗01748 | ∗98252 | 01787 | 20 |
| 90 | 03756 | ∗01990 | ∗98010 | 01766 | 10 |
| **09 oo** | 03976 | ∗02231 | ∗97769 | 01745 | **91 oo** |
| 10 | 04197 | ∗02473 | ∗97527 | 01724 | 90 |
| 20 | 04418 | ∗02715 | ∗97285 | 01703 | 80 |
| 30 | 04638 | ∗02956 | ∗97044 | 01682 | 70 |
| 40 | 04859 | ∗03198 | ∗96802 | 01661 | 60 |
| 50 | 05079 | ∗03440 | ∗96560 | 01639 | 50 |
| 60 | 05300 | ∗03682 | ∗96318 | 01618 | 40 |
| 70 | 05520 | ∗03923 | ∗96077 | 01597 | 30 |
| 80 | 05741 | ∗04165 | ∗95835 | 01576 | 20 |
| 90 | 05962 | ∗04406 | ∗95594 | 01555 | 10 |
| **10 oo** | 06182 | ∗04648 | ∗95352 | 01534 | **90 oo** |
| | **9.47** | ∗**9.49** | ∗**0.50** | **9.98** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 220 | 241 | 241 | 22 | |

| | 243 | 242 | 241 | 222 | 221 | 220 | 22 | 21 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 24,3 | 24,2 | 24,1 | 22,2 | 22,1 | 22,0 | 2,2 | 2,1 | 1 |
| 2 | 48,6 | 48,4 | 48,2 | 44,4 | 44,2 | 44,0 | 4,4 | 4,2 | 2 |
| 3 | 72,9 | 72,6 | 72,3 | 66,6 | 66,3 | 66,0 | 6,6 | 6,3 | 3 |
| 4 | 97,2 | 96,8 | 96,4 | 88,8 | 88,4 | 88,0 | 8,8 | 8,4 | 4 |
| 5 | 121,5 | 121,0 | 120,5 | 111,0 | 110,5 | 110,0 | 11,0 | 10,5 | 5 |
| 6 | 145,8 | 145,2 | 144,6 | 133,2 | 132,6 | 132,0 | 13,2 | 12,6 | 6 |
| 7 | 170,1 | 169,4 | 168,7 | 155,4 | 154,7 | 154,0 | 15,4 | 14,7 | 7 |
| 8 | 194,4 | 193,6 | 192,8 | 177,6 | 176,8 | 176,0 | 17,6 | 16,8 | 8 |
| 9 | 218,7 | 217,8 | 216,9 | 199,8 | 198,9 | 198,0 | 19,8 | 18,9 | 9 |

| 19g | 221 | 242 | 242 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·47** | **9·49** | **0·50** | **9·98** | |
| **10 oo** | 06182 | 04648 | 95352 | 01534 | **90 oo** |
| 10 | 06403 | 04890 | 95110 | 01513 | 90 |
| 20 | 06623 | 05131 | 94869 | 01492 | 80 |
| 30 | 06844 | 05373 | 94627 | 01471 | 70 |
| 40 | 07064 | 05614 | 94386 | 01450 | 60 |
| 50 | 07284 | 05856 | 94144 | 01428 | 50 |
| 60 | 07505 | 06098 | 93902 | 01407 | 40 |
| 70 | 07725 | 06339 | 93661 | 01386 | 30 |
| 80 | 07946 | 06581 | 93419 | 01365 | 20 |
| 90 | 08166 | 06822 | 93178 | 01344 | 10 |
| **11 oo** | 08387 | 07064 | 92936 | 01323 | **89 oo** |
| 10 | 08607 | 07305 | 92695 | 01302 | 90 |
| 20 | 08827 | 07547 | 92453 | 01281 | 80 |
| 30 | 09048 | 07788 | 92212 | 01260 | 70 |
| 40 | 09268 | 08030 | 91970 | 01238 | 60 |
| 50 | 09488 | 08271 | 91729 | 01217 | 50 |
| 60 | 09709 | 08513 | 91487 | 01196 | 40 |
| 70 | 09929 | 08754 | 91246 | 01175 | 30 |
| 80 | 10149 | 08995 | 91005 | 01154 | 20 |
| 90 | 10370 | 09237 | 90763 | 01133 | 10 |
| **12 oo** | 10590 | 09478 | 90522 | 01112 | **88 oo** |
| 10 | 10810 | 09720 | 90280 | 01091 | 90 |
| 20 | 11030 | 09961 | 90039 | 01069 | 80 |
| 30 | 11251 | 10202 | 89798 | 01048 | 70 |
| 40 | 11471 | 10444 | 89556 | 01027 | 60 |
| 50 | 11691 | 10685 | 89315 | 01006 | 50 |
| 60 | 11911 | 10926 | 89074 | 00985 | 40 |
| 70 | 12132 | 11168 | 88832 | 00964 | 30 |
| 80 | 12352 | 11409 | 88591 | 00943 | 20 |
| 90 | 12572 | 11650 | 88350 | 00921 | 10 |
| **13 oo** | 12792 | 11892 | 88108 | 00900 | **87 oo** |
| 10 | 13012 | 12133 | 87867 | 00879 | 90 |
| 20 | 13232 | 12374 | 87626 | 00858 | 80 |
| 30 | 13452 | 12616 | 87384 | 00837 | 70 |
| 40 | 13673 | 12857 | 87143 | 00816 | 60 |
| 50 | 13893 | 13098 | 86902 | 00795 | 50 |
| 60 | 14113 | 13339 | 86661 | 00773 | 40 |
| 70 | 14333 | 13580 | 86420 | 00752 | 30 |
| 80 | 14553 | 13822 | 86178 | 00731 | 20 |
| 90 | 14773 | 14063 | 85937 | 00710 | 10 |
| **14 oo** | 14993 | 14304 | 85696 | 00689 | **86 oo** |
| 10 | 15213 | 14545 | 85455 | 00668 | 90 |
| 20 | 15433 | 14786 | 85214 | 00647 | 80 |
| 30 | 15653 | 15028 | 84972 | 00625 | 70 |
| 40 | 15873 | 15269 | 84731 | 00604 | 60 |
| 50 | 16093 | 15510 | 84490 | 00583 | 50 |
| 60 | 16313 | 15751 | 84249 | 00562 | 40 |
| 70 | 16533 | 15992 | 84008 | 00541 | 30 |
| 80 | 16753 | 16233 | 83767 | 00520 | 20 |
| 90 | 16973 | 16474 | 83526 | 00498 | 10 |
| **15 oo** | 17193 | 16715 | 83285 | 00477 | **85 oo** |
| | **9·47** | **9·49** | **0·50** | **9·98** | c cc |
| | log cos | log ctg | log tg | log sin | $80^g$ |
| | 220 | 241 | 241 | 22 | |

| 19g | 220 | 241 | 241 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·47** | **9·49** | **0·50** | ***9·98** | |
| **15 oo** | 17193 | 16715 | 83285 | *00477 | **85 oo** |
| 10 | 17412 | 16956 | 83044 | *00456 | 90 |
| 20 | 17632 | 17197 | 82803 | *00435 | 80 |
| 30 | 17852 | 17438 | 82562 | *00414 | 70 |
| 40 | 18072 | 17679 | 82321 | *00393 | 60 |
| 50 | 18292 | 17920 | 82080 | *00371 | 50 |
| 60 | 18512 | 18161 | 81839 | *00350 | 40 |
| 70 | 18732 | 18402 | 81598 | *00329 | 30 |
| 80 | 18951 | 18643 | 81357 | *00308 | 20 |
| 90 | 19171 | 18884 | 81116 | *00287 | 10 |
| **16 oo** | 19391 | 19125 | 80875 | *00266 | **84 oo** |
| 10 | 19611 | 19366 | 80634 | *00244 | 90 |
| 20 | 19830 | 19607 | 80393 | *00223 | 80 |
| 30 | 20050 | 19848 | 80152 | *00202 | 70 |
| 40 | 20270 | 20089 | 79911 | *00181 | 60 |
| 50 | 20490 | 20330 | 79670 | *00160 | 50 |
| 60 | 20709 | 20571 | 79429 | *00139 | 40 |
| 70 | 20929 | 20812 | 79188 | *00117 | 30 |
| 80 | 21149 | 21053 | 78947 | *00096 | 20 |
| 90 | 21368 | 21294 | 78706 | *00075 | 10 |
| **17 oo** | 21588 | 21534 | 78466 | *00054 | **83 oo** |
| 10 | 21808 | 21775 | 78225 | *00033 | 90 |
| 20 | 22027 | 22016 | 77984 | *00011 | 80 |
| 30 | 22247 | 22257 | 77743 | 99990 | 70 |
| 40 | 22467 | 22498 | 77502 | 99969 | 60 |
| 50 | 22686 | 22738 | 77262 | 99948 | 50 |
| 60 | 22906 | 22979 | 77021 | 99927 | 40 |
| 70 | 23125 | 23220 | 76780 | 99905 | 30 |
| 80 | 23345 | 23461 | 76539 | 99884 | 20 |
| 90 | 23565 | 23702 | 76298 | 99863 | 10 |
| **18 oo** | 23784 | 23942 | 76058 | 99842 | **82 oo** |
| 10 | 24004 | 24183 | 75817 | 99821 | 90 |
| 20 | 24223 | 24424 | 75576 | 99799 | 80 |
| 30 | 24443 | 24664 | 75336 | 99778 | 70 |
| 40 | 24662 | 24905 | 75095 | 99757 | 60 |
| 50 | 24882 | 25146 | 74854 | 99736 | 50 |
| 60 | 25101 | 25386 | 74614 | 99715 | 40 |
| 70 | 25321 | 25627 | 74373 | 99693 | 30 |
| 80 | 25540 | 25868 | 74132 | 99672 | 20 |
| 90 | 25760 | 26108 | 73892 | 99651 | 10 |
| **19 oo** | 25979 | 26349 | 73651 | 99630 | **81 oo** |
| 10 | 26198 | 26590 | 73410 | 99609 | 90 |
| 20 | 26418 | 26830 | 73170 | 99587 | 80 |
| 30 | 26637 | 27071 | 72929 | 99566 | 70 |
| 40 | 26856 | 27312 | 72688 | 99545 | 60 |
| 50 | 27076 | 27552 | 72448 | 99524 | 50 |
| 60 | 27295 | 27793 | 72207 | 99503 | 40 |
| 70 | 27515 | 28033 | 71967 | 99481 | 30 |
| 80 | 27734 | 28274 | 71726 | 99460 | 20 |
| 90 | 27953 | 28514 | 71486 | 99439 | 10 |
| **20 oo** | 28172 | 28755 | 71245 | 99418 | **80 oo** |
| | **9·47** | **9·49** | **0·50** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | $80^g$ |
| | 219 | 240 | 240 | 22 | |

| | 242 | 241 | 240 | 221 | 220 | 219 | 22 | 21 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 24,2 | 24,1 | 24,0 | 22,1 | 22,0 | 21,9 | 2,2 | 2,1 | 1 |
| 2 | 48,4 | 48,2 | 48,0 | 44,2 | 44,0 | 43,8 | 4.4 | 4,2 | 2 |
| 3 | 72,6 | 72,3 | 72,0 | 66,3 | 66,0 | 65,7 | 6,6 | 6,3 | 3 |
| 4 | 96,8 | 96,4 | 96,0 | 88,4 | 88,0 | 87,6 | 8,8 | 8,4 | 4 |
| 5 | 121,0 | 120,5 | 120,0 | 110,5 | 110,0 | 109,5 | 11,0 | 10,5 | 5 |
| 6 | 145,2 | 144,6 | 144,0 | 132,6 | 132,0 | 131,4 | 13,2 | 12,6 | 6 |
| 7 | 169,4 | 168,7 | 168,0 | 154,7 | 154,0 | 153,3 | 15,4 | 14,7 | 7 |
| 8 | 193,6 | 192,8 | 192,0 | 176,8 | 176,0 | 175,2 | 17,6 | 16,8 | 8 |
| 9 | 217,8 | 216,9 | 216,0 | 198,9 | 198,0 | 197,1 | 19,8 | 18,9 | 9 |

| 19g | 220 | 241 | 241 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·47** | **9·49** | **0·50** | **9·97** | |
| **20 oo** | 28172 | 28755 | 71245 | 99418 | **80 oo** |
| 10 | 28392 | 28995 | 71005 | 99396 | 90 |
| 20 | 28611 | 29236 | 70764 | 99375 | 80 |
| 30 | 28830 | 29476 | 70524 | 99354 | 70 |
| 40 | 29050 | 29717 | 70283 | 99333 | 60 |
| 50 | 29269 | 29957 | 70043 | 99312 | 50 |
| 60 | 29488 | 30198 | 69802 | 99290 | 40 |
| 70 | 29707 | 30438 | 69562 | 99269 | 30 |
| 80 | 29926 | 30679 | 69321 | 99248 | 20 |
| 90 | 30146 | 30919 | 69081 | 99227 | 10 |
| **21 oo** | 30365 | 31159 | 68841 | 99205 | **79 oo** |
| 10 | 30584 | 31400 | 68600 | 99184 | 90 |
| 20 | 30803 | 31640 | 68360 | 99163 | 80 |
| 30 | 31022 | 31881 | 68119 | 99142 | 70 |
| 40 | 31241 | 32121 | 67879 | 99120 | 60 |
| 50 | 31461 | 32361 | 67639 | 99099 | 50 |
| 60 | 31680 | 32602 | 67398 | 99078 | 40 |
| 70 | 31899 | 32842 | 67158 | 99057 | 30 |
| 80 | 32118 | 33082 | 66918 | 99035 | 20 |
| 90 | 32337 | 33323 | 66677 | 99014 | 10 |
| **22 oo** | 32556 | 33563 | 66437 | 98993 | **78 oo** |
| 10 | 32775 | 33803 | 66197 | 98972 | 90 |
| 20 | 32994 | 34044 | 65956 | 98951 | 80 |
| 30 | 33213 | 34284 | 65716 | 98929 | 70 |
| 40 | 33432 | 34524 | 65476 | 98908 | 60 |
| 50 | 33651 | 34764 | 65236 | 98887 | 50 |
| 60 | 33870 | 35005 | 64995 | 98866 | 40 |
| 70 | 34089 | 35245 | 64755 | 98844 | 30 |
| 80 | 34308 | 35485 | 64515 | 98823 | 20 |
| 90 | 34527 | 35725 | 64275 | 98802 | 10 |
| **23 oo** | 34746 | 35965 | 64035 | 98780 | **77 oo** |
| 10 | 34965 | 36206 | 63794 | 98759 | 90 |
| 20 | 35184 | 36446 | 63554 | 98738 | 80 |
| 30 | 35403 | 36686 | 63314 | 98717 | 70 |
| 40 | 35622 | 36926 | 63074 | 98695 | 60 |
| 50 | 35840 | 37166 | 62834 | 98674 | 50 |
| 60 | 36059 | 37406 | 62594 | 98653 | 40 |
| 70 | 36278 | 37646 | 62354 | 98632 | 30 |
| 80 | 36497 | 37887 | 62113 | 98610 | 20 |
| 90 | 36716 | 38127 | 61873 | 98589 | 10 |
| **24 oo** | 36935 | 38367 | 61633 | 98568 | **76 oo** |
| 10 | 37153 | 38607 | 61393 | 98547 | 90 |
| 20 | 37372 | 38847 | 61153 | 98525 | 80 |
| 30 | 37591 | 39087 | 60913 | 98504 | 70 |
| 40 | 37810 | 39327 | 60673 | 98483 | 60 |
| 50 | 38028 | 39567 | 60433 | 98462 | 50 |
| 60 | 38247 | 39807 | 60193 | 98440 | 40 |
| 70 | 38466 | 40047 | 59953 | 98419 | 30 |
| 80 | 38685 | 40287 | 59713 | 98398 | 20 |
| 90 | 38903 | 40527 | 59473 | 98376 | 10 |
| **25 oo** | 39122 | 40767 | 59233 | 98355 | **75 oo** |
| | **9·47** | **9·49** | **0·50** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 218 | 240 | 240 | 22 | |

| 19g | 219 | 240 | 240 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·47** | **9·49** | **0·50** | **9·97** | |
| **25 oo** | 39122 | 40767 | 59233 | 98355 | **75 oo** |
| 10 | 39341 | 41007 | 58993 | 98334 | 90 |
| 20 | 39559 | 41247 | 58753 | 98313 | 80 |
| 30 | 39778 | 41487 | 58513 | 98291 | 70 |
| 40 | 39997 | 41727 | 58273 | 98270 | 60 |
| 50 | 40215 | 41967 | 58033 | 98249 | 50 |
| 60 | 40434 | 42207 | 57793 | 98227 | 40 |
| 70 | 40653 | 42446 | 57554 | 98206 | 30 |
| 80 | 40871 | 42686 | 57314 | 98185 | 20 |
| 90 | 41090 | 42926 | 57074 | 98164 | 10 |
| **26 oo** | 41308 | 43166 | 56834 | 98142 | **74 oo** |
| 10 | 41527 | 43406 | 56594 | 98121 | 90 |
| 20 | 41745 | 43646 | 56354 | 98100 | 80 |
| 30 | 41964 | 43886 | 56114 | 98078 | 70 |
| 40 | 42183 | 44125 | 55875 | 98057 | 60 |
| 50 | 42401 | 44365 | 55635 | 98036 | 50 |
| 60 | 42620 | 44605 | 55395 | 98014 | 40 |
| 70 | 42838 | 44845 | 55155 | 97993 | 30 |
| 80 | 43057 | 45085 | 54915 | 97972 | 20 |
| 90 | 43275 | 45324 | 54676 | 97951 | 10 |
| **27 oo** | 43493 | 45564 | 54436 | 97929 | **73 oo** |
| 10 | 43712 | 45804 | 54196 | 97908 | 90 |
| 20 | 43930 | 46044 | 53956 | 97887 | 80 |
| 30 | 44149 | 46283 | 53717 | 97865 | 70 |
| 40 | 44367 | 46523 | 53477 | 97844 | 60 |
| 50 | 44586 | 46763 | 53237 | 97823 | 50 |
| 60 | 44804 | 47002 | 52998 | 97801 | 40 |
| 70 | 45022 | 47242 | 52758 | 97780 | 30 |
| 80 | 45241 | 47482 | 52518 | 97759 | 20 |
| 90 | 45459 | 47721 | 52279 | 97737 | 10 |
| **28 oo** | 45677 | 47961 | 52039 | 97716 | **72 oo** |
| 10 | 45896 | 48201 | 51799 | 97695 | 90 |
| 20 | 46114 | 48440 | 51560 | 97674 | 80 |
| 30 | 46332 | 48680 | 51320 | 97652 | 70 |
| 40 | 46551 | 48920 | 51080 | 97631 | 60 |
| 50 | 46769 | 49159 | 50841 | 97610 | 50 |
| 60 | 46987 | 49399 | 50601 | 97588 | 40 |
| 70 | 47205 | 49638 | 50362 | 97567 | 30 |
| 80 | 47424 | 49878 | 50122 | 97546 | 20 |
| 90 | 47642 | 50117 | 49883 | 97524 | 10 |
| **29 oo** | 47860 | 50357 | 49643 | 97503 | **71 oo** |
| 10 | 48078 | 50597 | 49403 | 97482 | 90 |
| 20 | 48296 | 50836 | 49164 | 97460 | 80 |
| 30 | 48515 | 51076 | 48924 | 97439 | 70 |
| 40 | 48733 | 51315 | 48685 | 97418 | 60 |
| 50 | 48951 | 51555 | 48445 | 97396 | 50 |
| 60 | 49169 | 51794 | 48206 | 97375 | 40 |
| 70 | 49387 | 52034 | 47966 | 97354 | 30 |
| 80 | 49605 | 52273 | 47727 | 97332 | 20 |
| 90 | 49823 | 52512 | 47488 | 97311 | 10 |
| **30 oo** | 50041 | 52752 | 47248 | 97290 | **70 oo** |
| | **9·47** | **9·49** | **0·50** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 218 | 239 | 239 | 22 | |

| | 241 | 240 | 239 | 220 | 219 | 218 | 22 | 21 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 24,1 | 24,0 | 23,9 | 22,0 | 21,9 | 21,8 | 2,2 | 2,1 | 1 |
| 2 | 48,2 | 48,0 | 47,8 | 44,0 | 43,8 | 43,6 | 4,4 | 4,2 | 2 |
| 3 | 72,3 | 72,0 | 71,7 | 66,0 | 65,7 | 65,4 | 6,6 | 6,3 | 3 |
| 4 | 96,4 | 96,0 | 95,6 | 88,0 | 87,6 | 87,2 | 8,8 | 8,4 | 4 |
| 5 | 120,5 | 120,0 | 119,5 | 110,0 | 109,5 | 109,0 | 11,0 | 10,5 | 5 |
| 6 | 144,6 | 144,0 | 143,4 | 132,0 | 131,4 | 130,8 | 13,2 | 12,6 | 6 |
| 7 | 168,7 | 168,0 | 167,3 | 154,0 | 153,3 | 152,6 | 15,4 | 14,7 | 7 |
| 8 | 192,8 | 192,0 | 191,2 | 176,0 | 175,2 | 174,4 | 17,6 | 16,8 | 8 |
| 9 | 216,9 | 216,0 | 215,1 | 198,0 | 197,1 | 196,2 | 19,8 | 18,9 | 9 |

| 19g | 219 | 240 | 240 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·47** | **9·49** | **0·50** | **9·97** | |
| **30 oo** | 50041 | 52752 | 47248 | 97290 | **70 oo** |
| 10 | 50260 | 52991 | 47009 | 97268 | 90 |
| 20 | 50478 | 53231 | 46769 | 97247 | 80 |
| 30 | 50696 | 53470 | 46530 | 97226 | 70 |
| 40 | 50914 | 53709 | 46291 | 97204 | 60 |
| 50 | 51132 | 53949 | 46051 | 97183 | 50 |
| 60 | 51350 | 54188 | 45812 | 97162 | 40 |
| 70 | 51568 | 54428 | 45572 | 97140 | 30 |
| 80 | 51786 | 54667 | 45333 | 97119 | 20 |
| 90 | 52004 | 54906 | 45094 | 97098 | 10 |
| **31 oo** | 52222 | 55146 | 44854 | 97076 | **69 oo** |
| 10 | 52440 | 55385 | 44615 | 97055 | 90 |
| 20 | 52658 | 55624 | 44376 | 97033 | 80 |
| 30 | 52876 | 55863 | 44137 | 97012 | 70 |
| 40 | 53093 | 56103 | 43897 | 96991 | 60 |
| 50 | 53311 | 56342 | 43658 | 96969 | 50 |
| 60 | 53529 | 56581 | 43419 | 96948 | 40 |
| 70 | 53747 | 56821 | 43179 | 96927 | 30 |
| 80 | 53965 | 57060 | 42940 | 96905 | 20 |
| 90 | 54183 | 57299 | 42701 | 96884 | 10 |
| **32 oo** | 54401 | 57538 | 42462 | 96863 | **68 oo** |
| 10 | 54619 | 57777 | 42223 | 96841 | 90 |
| 20 | 54836 | 58017 | 41983 | 96820 | 80 |
| 30 | 55054 | 58256 | 41744 | 96799 | 70 |
| 40 | 55272 | 58495 | 41505 | 96777 | 60 |
| 50 | 55490 | 58734 | 41266 | 96756 | 50 |
| 60 | 55708 | 58973 | 41027 | 96734 | 40 |
| 70 | 55925 | 59212 | 40788 | 96713 | 30 |
| 80 | 56143 | 59452 | 40548 | 96692 | 20 |
| 90 | 56361 | 59691 | 40309 | 96670 | 10 |
| **33 oo** | 56579 | 59930 | 40070 | 96649 | **67 oo** |
| 10 | 56796 | 60169 | 39831 | 96628 | 90 |
| 20 | 57014 | 60408 | 39592 | 96606 | 80 |
| 30 | 57232 | 60647 | 39353 | 96585 | 70 |
| 40 | 57449 | 60886 | 39114 | 96563 | 60 |
| 50 | 57667 | 61125 | 38875 | 96542 | 50 |
| 60 | 57885 | 61364 | 38636 | 96521 | 40 |
| 70 | 58102 | 61603 | 38397 | 96499 | 30 |
| 80 | 58320 | 61842 | 38158 | 96478 | 20 |
| 90 | 58538 | 62081 | 37919 | 96457 | 10 |
| **34 oo** | 58755 | 62320 | 37680 | 96435 | **66 oo** |
| 10 | 58973 | 62559 | 37441 | 96414 | 90 |
| 20 | 59191 | 62798 | 37202 | 96392 | 80 |
| 30 | 59408 | 63037 | 36963 | 96371 | 70 |
| 40 | 59626 | 63276 | 36724 | 96350 | 60 |
| 50 | 59843 | 63515 | 36485 | 96328 | 50 |
| 60 | 60061 | 63754 | 36246 | 96307 | 40 |
| 70 | 60278 | 63993 | 36007 | 96285 | 30 |
| 80 | 60496 | 64232 | 35768 | 96264 | 20 |
| 90 | 60713 | 64471 | 35529 | 96243 | 10 |
| **35 oo** | 60931 | 64710 | 35290 | 96221 | **65 oo** |
| | **9·47** | **9·49** | **0·50** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 217 | 239 | 239 | 22 | |

| 19g | 218 | 239 | 239 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·47** | **9·49** | **0·50** | **9·97** | |
| **35 oo** | 60931 | 64710 | 35290 | 96221 | **65 oo** |
| 10 | 61148 | 64948 | 35052 | 96200 | 90 |
| 20 | 61366 | 65187 | 34813 | 96178 | 80 |
| 30 | 61583 | 65426 | 34574 | 96157 | 70 |
| 40 | 61801 | 65665 | 34335 | 96136 | 60 |
| 50 | 62018 | 65904 | 34096 | 96114 | 50 |
| 60 | 62235 | 66143 | 33857 | 96093 | 40 |
| 70 | 62453 | 66382 | 33618 | 96071 | 30 |
| 80 | 62670 | 66620 | 33380 | 96050 | 20 |
| 90 | 62888 | 66859 | 33141 | 96029 | 10 |
| **36 oo** | 63105 | 67098 | 32902 | 96007 | **64 oo** |
| 10 | 63322 | 67337 | 32663 | 95986 | 90 |
| 20 | 63540 | 67575 | 32425 | 95964 | 80 |
| 30 | 63757 | 67814 | 32186 | 95943 | 70 |
| 40 | 63974 | 68053 | 31947 | 95922 | 60 |
| 50 | 64192 | 68292 | 31708 | 95900 | 50 |
| 60 | 64409 | 68530 | 31470 | 95879 | 40 |
| 70 | 64626 | 68769 | 31231 | 95857 | 30 |
| 80 | 64844 | 69008 | 30992 | 95836 | 20 |
| 90 | 65061 | 69246 | 30754 | 95814 | 10 |
| **37 oo** | 65278 | 69485 | 30515 | 95793 | **63 oo** |
| 10 | 65495 | 69724 | 30276 | 95772 | 90 |
| 20 | 65713 | 69962 | 30038 | 95750 | 80 |
| 30 | 65930 | 70201 | 29799 | 95729 | 70 |
| 40 | 66147 | 70440 | 29560 | 95707 | 60 |
| 50 | 66364 | 70678 | 29322 | 95686 | 50 |
| 60 | 66581 | 70917 | 29083 | 95664 | 40 |
| 70 | 66799 | 71156 | 28844 | 95643 | 30 |
| 80 | 67016 | 71394 | 28606 | 95622 | 20 |
| 90 | 67233 | 71633 | 28367 | 95600 | 10 |
| **38 oo** | 67450 | 71871 | 28129 | 95579 | **62 oo** |
| 10 | 67667 | 72110 | 27890 | 95557 | 90 |
| 20 | 67884 | 72348 | 27652 | 95536 | 80 |
| 30 | 68101 | 72587 | 27413 | 95514 | 70 |
| 40 | 68318 | 72825 | 27175 | 95493 | 60 |
| 50 | 68536 | 73064 | 26936 | 95472 | 50 |
| 60 | 68753 | 73302 | 26698 | 95450 | 40 |
| 70 | 68970 | 73541 | 26459 | 95429 | 30 |
| 80 | 69187 | 73779 | 26221 | 95407 | 20 |
| 90 | 69404 | 74018 | 25982 | 95386 | 10 |
| **39 oo** | 69621 | 74256 | 25744 | 95364 | **61 oo** |
| 10 | 69838 | 74495 | 25505 | 95343 | 90 |
| 20 | 70055 | 74733 | 25267 | 95321 | 80 |
| 30 | 70272 | 74972 | 25028 | 95300 | 70 |
| 40 | 70489 | 75210 | 24790 | 95279 | 60 |
| 50 | 70706 | 75449 | 24551 | 95257 | 50 |
| 60 | 70923 | 75687 | 24313 | 95236 | 40 |
| 70 | 71139 | 75925 | 24075 | 95214 | 30 |
| 80 | 71356 | 76164 | 23836 | 95193 | 20 |
| 90 | 71573 | 76402 | 23598 | 95171 | 10 |
| **40 oo** | 71790 | 76640 | 23360 | 95150 | **60 oo** |
| | **9·47** | **9·49** | **0·50** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 216 | 238 | 238 | 22 | |

| | 240 | 239 | 238 | 219 | 218 | 217 | 216 | 22 | 21 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24,0 | 23,9 | 23,8 | 21,9 | 21,8 | 21,7 | 21,6 | 2,2 | 2,1 | 1 |
| 2 | 48,0 | 47,8 | 47,6 | 43,8 | 43,6 | 43,4 | 43,2 | 4,4 | 4,2 | 2 |
| 3 | 72,0 | 71,7 | 71,4 | 65,7 | 65,4 | 65,1 | 64,8 | 6,6 | 6,3 | 3 |
| 4 | 96,0 | 95,6 | 95,2 | 87,6 | 87,2 | 86,8 | 86,4 | 8,8 | 8,4 | 4 |
| 5 | 120,0 | 119,5 | 119,0 | 109,5 | 109,0 | 108,5 | 108,0 | 11,0 | 10,5 | 5 |
| 6 | 144,0 | 143,4 | 142,8 | 131,4 | 130,8 | 130,2 | 129,6 | 13,2 | 12,6 | 6 |
| 7 | 168,0 | 167,3 | 166,6 | 153,3 | 152,6 | 151,9 | 151,2 | 15,4 | 14,7 | 7 |
| 8 | 192,0 | 191,2 | 190,4 | 175,2 | 174,4 | 173,6 | 172,8 | 17,6 | 16,8 | 8 |
| 9 | 216,0 | 215,1 | 214,2 | 197,1 | 196,2 | 195,3 | 194,4 | 19,8 | 18,9 | 9 |

| 19g | 217 | 239 | 239 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·47** | **9·49** | **0·50** | **9·97** | |
| **40 oo** | 71790 | 76640 | 23360 | 95150 | **60 oo** |
| 10 | 72007 | 76879 | 23121 | 95128 | 90 |
| 20 | 72224 | 77117 | 22883 | 95107 | 80 |
| 30 | 72441 | 77355 | 22645 | 95085 | 70 |
| 40 | 72658 | 77594 | 22406 | 95064 | 60 |
| 50 | 72875 | 77832 | 22168 | 95043 | 50 |
| 60 | 73091 | 78070 | 21930 | 95021 | 40 |
| 70 | 73308 | 78309 | 21691 | 95000 | 30 |
| 80 | 73525 | 78547 | 21453 | 94978 | 20 |
| 90 | 73742 | 78785 | 21215 | 94957 | 10 |
| **41 oo** | 73959 | 79023 | 20977 | 94935 | **59 oo** |
| 10 | 74175 | 79262 | 20738 | 94914 | 90 |
| 20 | 74392 | 79500 | 20500 | 94892 | 80 |
| 30 | 74609 | 79738 | 20262 | 94871 | 70 |
| 40 | 74826 | 79976 | 20024 | 94849 | 60 |
| 50 | 75042 | 80214 | 19786 | 94828 | 50 |
| 60 | 75259 | 80453 | 19547 | 94806 | 40 |
| 70 | 75476 | 80691 | 19309 | 94785 | 30 |
| 80 | 75692 | 80929 | 19071 | 94763 | 20 |
| 90 | 75909 | 81167 | 18833 | 94742 | 10 |
| **42 oo** | 76126 | 81405 | 18595 | 94720 | **58 oo** |
| 10 | 76342 | 81643 | 18357 | 94699 | 90 |
| 20 | 76559 | 81881 | 18119 | 94677 | 80 |
| 30 | 76776 | 82120 | 17880 | 94656 | 70 |
| 40 | 76992 | 82358 | 17642 | 94635 | 60 |
| 50 | 77209 | 82596 | 17404 | 94613 | 50 |
| 60 | 77425 | 82834 | 17166 | 94592 | 40 |
| 70 | 77642 | 83072 | 16928 | 94570 | 30 |
| 80 | 77858 | 83310 | 16690 | 94549 | 20 |
| 90 | 78075 | 83548 | 16452 | 94527 | 10 |
| **43 oo** | 78292 | 83786 | 16214 | 94506 | **57 oo** |
| 10 | 78508 | 84024 | 15976 | 94484 | 90 |
| 20 | 78725 | 84262 | 15738 | 94463 | 80 |
| 30 | 78941 | 84500 | 15500 | 94441 | 70 |
| 40 | 79158 | 84738 | 15262 | 94420 | 60 |
| 50 | 79374 | 84976 | 15024 | 94398 | 50 |
| 60 | 79591 | 85214 | 14786 | 94377 | 40 |
| 70 | 79807 | 85452 | 14548 | 94355 | 30 |
| 80 | 80023 | 85690 | 14310 | 94334 | 20 |
| 90 | 80240 | 85928 | 14072 | 94312 | 10 |
| **44 oo** | 80456 | 86166 | 13834 | 94291 | **56 oo** |
| 10 | 80673 | 86404 | 13596 | 94269 | 90 |
| 20 | 80889 | 86642 | 13358 | 94248 | 80 |
| 30 | 81106 | 86879 | 13121 | 94226 | 70 |
| 40 | 81322 | 87117 | 12883 | 94205 | 60 |
| 50 | 81538 | 87355 | 12645 | 94183 | 50 |
| 60 | 81755 | 87593 | 12407 | 94162 | 40 |
| 70 | 81971 | 87831 | 12169 | 94140 | 30 |
| 80 | 82187 | 88069 | 11931 | 94119 | 20 |
| 90 | 82404 | 88307 | 11693 | 94097 | 10 |
| **45 oo** | 82620 | 88544 | 11456 | 94076 | **55 oo** |
| | **9·47** | **9·49** | **0·50** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 216 | 237 | 237 | 22 | |

| 19g | 217 | 238 | 238 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·47** | **9·49** | **0·50** | **9·97** | |
| **45 oo** | 82620 | 88544 | 11456 | 94076 | **55 oo** |
| 10 | 82836 | 88782 | 11218 | 94054 | 90 |
| 20 | 83052 | 89020 | 10980 | 94032 | 80 |
| 30 | 83269 | 89258 | 10742 | 94011 | 70 |
| 40 | 83485 | 89496 | 10504 | 93989 | 60 |
| 50 | 83701 | 89733 | 10267 | 93968 | 50 |
| 60 | 83917 | 89971 | 10029 | 93946 | 40 |
| 70 | 84134 | 90209 | 09791 | 93925 | 30 |
| 80 | 84350 | 90447 | 09553 | 93903 | 20 |
| 90 | 84566 | 90684 | 09316 | 93882 | 10 |
| **46 oo** | 84782 | 90922 | 09078 | 93860 | **54 oo** |
| 10 | 84998 | 91160 | 08840 | 93839 | 90 |
| 20 | 85215 | 91397 | 08603 | 93817 | 80 |
| 30 | 85431 | 91635 | 08365 | 93796 | 70 |
| 40 | 85647 | 91873 | 08127 | 93774 | 60 |
| 50 | 85863 | 92110 | 07890 | 93753 | 50 |
| 60 | 86079 | 92348 | 07652 | 93731 | 40 |
| 70 | 86295 | 92586 | 07414 | 93710 | 30 |
| 80 | 86511 | 92823 | 07177 | 93688 | 20 |
| 90 | 86727 | 93061 | 06939 | 93666 | 10 |
| **47 oo** | 86943 | 93298 | 06702 | 93645 | **53 oo** |
| 10 | 87159 | 93536 | 06464 | 93623 | 90 |
| 20 | 87376 | 93774 | 06226 | 93602 | 80 |
| 30 | 87592 | 94011 | 05989 | 93580 | 70 |
| 40 | 87808 | 94249 | 05751 | 93559 | 60 |
| 50 | 88024 | 94486 | 05514 | 93537 | 50 |
| 60 | 88240 | 94724 | 05276 | 93516 | 40 |
| 70 | 88456 | 94961 | 05039 | 93494 | 30 |
| 80 | 88672 | 95199 | 04801 | 93473 | 20 |
| 90 | 88887 | 95436 | 04564 | 93451 | 10 |
| **48 oo** | 89103 | 95674 | 04326 | 93429 | **52 oo** |
| 10 | 89319 | 95911 | 04089 | 93408 | 90 |
| 20 | 89535 | 96149 | 03851 | 93386 | 80 |
| 30 | 89751 | 96386 | 03614 | 93365 | 70 |
| 40 | 89967 | 96624 | 03376 | 93343 | 60 |
| 50 | 90183 | 96861 | 03139 | 93322 | 50 |
| 60 | 90399 | 97099 | 02901 | 93300 | 40 |
| 70 | 90615 | 97336 | 02664 | 93279 | 30 |
| 80 | 90831 | 97574 | 02426 | 93257 | 20 |
| 90 | 91046 | 97811 | 02189 | 93235 | 10 |
| **49 oo** | 91262 | 98048 | 01952 | 93214 | **51 oo** |
| 10 | 91478 | 98286 | 01714 | 93192 | 90 |
| 20 | 91694 | 98523 | 01477 | 93171 | 80 |
| 30 | 91910 | 98760 | 01240 | 93149 | 70 |
| 40 | 92125 | 98998 | 01002 | 93128 | 60 |
| 50 | 92341 | 99235 | 00765 | 93106 | 50 |
| 60 | 92557 | 99472 | 00528 | 93085 | 40 |
| 70 | 92773 | 99710 | 00290 | 93063 | 30 |
| 80 | 92988 | 99947 | 00053 | 93041 | 20 |
| 90 | 93204 | *00184 | *99816 | 93020 | 10 |
| **50 oo** | 93420 | *00422 | *99578 | 92998 | **50 oo** |
| | **9·47** | ***9·50** | ***0·49** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 215 | 237 | 237 | 22 | |

| | 239 | 238 | 237 | 217 | 216 | 215 | 22 | 21 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23,9 | 23,8 | 23,7 | 21,7 | 21,6 | 21,5 | 2,2 | 2,1 | 1 |
| 2 | 47,8 | 47,6 | 47,4 | 43,4 | 43,2 | 43,0 | 4,4 | 4,2 | 2 |
| 3 | 71,7 | 71,4 | 71,1 | 65,1 | 64,8 | 64,5 | 6,6 | 6,3 | 3 |
| 4 | 95,6 | 95,2 | 94,8 | 86,8 | 86,4 | 86,0 | 8,8 | 8,4 | 4 |
| 5 | 119,5 | 119,0 | 118,5 | 108,5 | 108,0 | 107,5 | 11,0 | 10,5 | 5 |
| 6 | 143,4 | 142,8 | 142,2 | 130,2 | 129,6 | 129,0 | 13,2 | 12,6 | 6 |
| 7 | 167,3 | 166,6 | 165,9 | 151,9 | 151,2 | 150,5 | 15,4 | 14,7 | 7 |
| 8 | 191,2 | 190,4 | 189,6 | 173,6 | 172,8 | 172,0 | 17,6 | 16,8 | 8 |
| 9 | 215,1 | 214,2 | 213,3 | 195,3 | 194,4 | 193,5 | 19,8 | 18,9 | 9 |

| 19g | 216 | 238 | 238 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.47** | **9.50** | **0.49** | **9.97** | |
| **50 oo** | 93420 | 00422 | 99578 | 92998 | **50 oo** |
| 10 | 93636 | 00659 | 99341 | 92977 | 90 |
| 20 | 93851 | 00896 | 99104 | 92955 | 80 |
| 30 | 94067 | 01133 | 98867 | 92934 | 70 |
| 40 | 94283 | 01371 | 98629 | 92912 | 60 |
| 50 | 94498 | 01608 | 98392 | 92890 | 50 |
| 60 | 94714 | 01845 | 98155 | 92869 | 40 |
| 70 | 94930 | 02082 | 97918 | 92847 | 30 |
| 80 | 95145 | 02320 | 97680 | 92826 | 20 |
| 90 | 95361 | 02557 | 97443 | 92804 | 10 |
| **51 oo** | 95576 | 02794 | 97206 | 92782 | **49 oo** |
| 10 | 95792 | 03031 | 96969 | 92761 | 90 |
| 20 | 96008 | 03268 | 96732 | 92739 | 80 |
| 30 | 96223 | 03505 | 96495 | 92718 | 70 |
| 40 | 96439 | 03743 | 96257 | 92696 | 60 |
| 50 | 96654 | 03980 | 96020 | 92674 | 50 |
| 60 | 96870 | 04217 | 95783 | 92653 | 40 |
| 70 | 97085 | 04454 | 95546 | 92631 | 30 |
| 80 | 97301 | 04691 | 95309 | 92610 | 20 |
| 90 | 97516 | 04928 | 95072 | 92588 | 10 |
| **52 oo** | 97732 | 05165 | 94835 | 92567 | **48 oo** |
| 10 | 97947 | 05402 | 94598 | 92545 | 90 |
| 20 | 98163 | 05639 | 94361 | 92523 | 80 |
| 30 | 98378 | 05876 | 94124 | 92502 | 70 |
| 40 | 98593 | 06113 | 93887 | 92480 | 60 |
| 50 | 98809 | 06350 | 93650 | 92458 | 50 |
| 60 | 99024 | 06587 | 93413 | 92437 | 40 |
| 70 | 99240 | 06824 | 93176 | 92415 | 30 |
| 80 | 99455 | 07061 | 92939 | 92394 | 20 |
| 90 | 99670 | 07298 | 92702 | 92372 | 10 |
| **53 oo** | 99886 | 07535 | 92465 | 92350 | **47 oo** |
| 10 | *00101 | 07772 | 92228 | 92329 | 90 |
| 20 | *00316 | 08009 | 91991 | 92307 | 80 |
| 30 | *00532 | 08246 | 91754 | 92286 | 70 |
| 40 | *00747 | 08483 | 91517 | 92264 | 60 |
| 50 | *00962 | 08720 | 91280 | 92242 | 50 |
| 60 | *01178 | 08957 | 91043 | 92221 | 40 |
| 70 | *01393 | 09194 | 90806 | 92199 | 30 |
| 80 | *01608 | 09431 | 90569 | 92178 | 20 |
| 90 | *01824 | 09668 | 90332 | 92156 | 10 |
| **54 oo** | *02039 | 09904 | 90096 | 92134 | **46 oo** |
| 10 | *02254 | 10141 | 89859 | 92113 | 90 |
| 20 | *02469 | 10378 | 89622 | 92091 | 80 |
| 30 | *02684 | 10615 | 89385 | 92069 | 70 |
| 40 | *02900 | 10852 | 89148 | 92048 | 60 |
| 50 | *03115 | 11089 | 88911 | 92026 | 50 |
| 60 | *03330 | 11325 | 88675 | 92005 | 40 |
| 70 | *03545 | 11562 | 88438 | 91983 | 30 |
| 80 | *03760 | 11799 | 88201 | 91961 | 20 |
| 90 | *03975 | 12036 | 87964 | 91940 | 10 |
| **55 oo** | *04191 | 12272 | 87728 | 91918 | **45 oo** |
| | ***9.48** | **9.50** | **0.49** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 215 | 236 | 236 | 22 | |

| 19g | 215 | 237 | 237 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.48** | **9.50** | **0.49** | **9.97** | |
| **55 oo** | 04191 | 12272 | 87728 | 91918 | **45 oo** |
| 10 | 04406 | 12509 | 87491 | 91896 | 90 |
| 20 | 04621 | 12746 | 87254 | 91875 | 80 |
| 30 | 04836 | 12983 | 87017 | 91853 | 70 |
| 40 | 05051 | 13219 | 86781 | 91831 | 60 |
| 50 | 05266 | 13456 | 86544 | 91810 | 50 |
| 60 | 05481 | 13693 | 86307 | 91788 | 40 |
| 70 | 05696 | 13929 | 86071 | 91767 | 30 |
| 80 | 05911 | 14166 | 85834 | 91745 | 20 |
| 90 | 06126 | 14403 | 85597 | 91723 | 10 |
| **56 oo** | 06341 | 14639 | 85361 | 91702 | **44 oo** |
| 10 | 06556 | 14876 | 85124 | 91680 | 90 |
| 20 | 06771 | 15113 | 84887 | 91658 | 80 |
| 30 | 06986 | 15349 | 84651 | 91637 | 70 |
| 40 | 07201 | 15586 | 84414 | 91615 | 60 |
| 50 | 07416 | 15823 | 84177 | 91593 | 50 |
| 60 | 07631 | 16059 | 83941 | 91572 | 40 |
| 70 | 07846 | 16296 | 83704 | 91550 | 30 |
| 80 | 08061 | 16532 | 83468 | 91528 | 20 |
| 90 | 08276 | 16769 | 83231 | 91507 | 10 |
| **57 oo** | 08491 | 17005 | 82995 | 91485 | **43 oo** |
| 10 | 08705 | 17242 | 82758 | 91463 | 90 |
| 20 | 08920 | 17478 | 82522 | 91442 | 80 |
| 30 | 09135 | 17715 | 82285 | 91420 | 70 |
| 40 | 09350 | 17951 | 82049 | 91398 | 60 |
| 50 | 09565 | 18188 | 81812 | 91377 | 50 |
| 60 | 09780 | 18424 | 81576 | 91355 | 40 |
| 70 | 09994 | 18661 | 81339 | 91333 | 30 |
| 80 | 10209 | 18897 | 81103 | 91312 | 20 |
| 90 | 10424 | 19134 | 80866 | 91290 | 10 |
| **58 oo** | 10639 | 19370 | 80630 | 91268 | **42 oo** |
| 10 | 10854 | 19607 | 80393 | 91247 | 90 |
| 20 | 11068 | 19843 | 80157 | 91225 | 80 |
| 30 | 11283 | 20080 | 79920 | 91203 | 70 |
| 40 | 11498 | 20316 | 79684 | 91182 | 60 |
| 50 | 11712 | 20552 | 79448 | 91160 | 50 |
| 60 | 11927 | 20789 | 79211 | 91138 | 40 |
| 70 | 12142 | 21025 | 78975 | 91117 | 30 |
| 80 | 12357 | 21261 | 78739 | 91095 | 20 |
| 90 | 12571 | 21498 | 78502 | 91073 | 10 |
| **59 oo** | 12786 | 21734 | 78266 | 91052 | **41 oo** |
| 10 | 13001 | 21970 | 78030 | 91030 | 90 |
| 20 | 13215 | 22207 | 77793 | 91008 | 80 |
| 30 | 13430 | 22443 | 77557 | 90987 | 70 |
| 40 | 13644 | 22679 | 77321 | 90965 | 60 |
| 50 | 13859 | 22916 | 77084 | 90943 | 50 |
| 60 | 14074 | 23152 | 76848 | 90922 | 40 |
| 70 | 14288 | 23388 | 76612 | 90900 | 30 |
| 80 | 14503 | 23624 | 76376 | 90878 | 20 |
| 90 | 14717 | 23861 | 76139 | 90857 | 10 |
| **60 oo** | 14932 | 24097 | 75903 | 90835 | **40 oo** |
| | **9.48** | **9.50** | **0.49** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 214 | 236 | 236 | 22 | |

| | 238 | 237 | 236 | 216 | 215 | 214 | 22 | 21 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23,8 | 23,7 | 23,6 | 21,6 | 21,5 | 21,4 | 2,2 | 2,1 | 1 |
| 2 | 47,6 | 47,4 | 47,2 | 43,2 | 43,0 | 42,8 | 4,4 | 4,2 | 2 |
| 3 | 71,4 | 71,1 | 70,8 | 64,8 | 64,5 | 64,2 | 6,6 | 6,3 | 3 |
| 4 | 95,2 | 94,8 | 94,4 | 86,4 | 86,0 | 85,6 | 8,8 | 8,4 | 4 |
| 5 | 119,0 | 118,5 | 118,0 | 108,0 | 107,5 | 107,0 | 11,0 | 10,5 | 5 |
| 6 | 142,8 | 142,2 | 141,6 | 129,6 | 129,0 | 128,4 | 13,2 | 12,6 | 6 |
| 7 | 166,6 | 165,9 | 165,2 | 151,2 | 150,5 | 149,8 | 15,4 | 14,7 | 7 |
| 8 | 190,4 | 189,6 | 188,8 | 172,8 | 172,0 | 171,2 | 17,6 | 16,8 | 8 |
| 9 | 214,2 | 213,3 | 212,4 | 194,4 | 193,5 | 192,6 | 19,8 | 18,9 | 9 |

| 19g | 215 | 237 | 237 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.48** | **9.50** | **0.49** | **9.97** | |
| **60 oo** | 14932 | 24097 | 75903 | 90835 | **40 oo** |
| 10 | 15146 | 24333 | 75667 | 90813 | 90 |
| 20 | 15361 | 24569 | 75431 | 90791 | 80 |
| 30 | 15575 | 24806 | 75194 | 90770 | 70 |
| 40 | 15790 | 25042 | 74958 | 90748 | 60 |
| 50 | 16004 | 25278 | 74722 | 90726 | 50 |
| 60 | 16219 | 25514 | 74486 | 90705 | 40 |
| 70 | 16433 | 25750 | 74250 | 90683 | 30 |
| 80 | 16648 | 25986 | 74014 | 90661 | 20 |
| 90 | 16862 | 26223 | 73777 | 90640 | 10 |
| **61 oo** | 17077 | 26459 | 73541 | 90618 | **39 oo** |
| 10 | 17291 | 26695 | 73305 | 90596 | 90 |
| 20 | 17505 | 26931 | 73069 | 90574 | 80 |
| 30 | 17720 | 27167 | 72833 | 90553 | 70 |
| 40 | 17934 | 27403 | 72597 | 90531 | 60 |
| 50 | 18148 | 27639 | 72361 | 90509 | 50 |
| 60 | 18363 | 27875 | 72125 | 90488 | 40 |
| 70 | 18577 | 28111 | 71889 | 90466 | 30 |
| 80 | 18791 | 28347 | 71653 | 90444 | 20 |
| 90 | 19006 | 28583 | 71417 | 90422 | 10 |
| **62 oo** | 19220 | 28819 | 71181 | 90401 | **38 oo** |
| 10 | 19434 | 29055 | 70945 | 90379 | 90 |
| 20 | 19649 | 29291 | 70709 | 90357 | 80 |
| 30 | 19863 | 29527 | 70473 | 90336 | 70 |
| 40 | 20077 | 29763 | 70237 | 90314 | 60 |
| 50 | 20291 | 29999 | 70001 | 90292 | 50 |
| 60 | 20506 | 30235 | 69765 | 90270 | 40 |
| 70 | 20720 | 30471 | 69529 | 90249 | 30 |
| 80 | 20934 | 30707 | 69293 | 90227 | 20 |
| 90 | 21148 | 30943 | 69057 | 90205 | 10 |
| **63 oo** | 21363 | 31179 | 68821 | 90184 | **37 oo** |
| 10 | 21577 | 31415 | 68585 | 90162 | 90 |
| 20 | 21791 | 31651 | 68349 | 90140 | 80 |
| 30 | 22005 | 31887 | 68113 | 90118 | 70 |
| 40 | 22219 | 32123 | 67877 | 90097 | 60 |
| 50 | 22433 | 32358 | 67642 | 90075 | 50 |
| 60 | 22647 | 32594 | 67406 | 90053 | 40 |
| 70 | 22862 | 32830 | 67170 | 90031 | 30 |
| 80 | 23076 | 33066 | 66934 | 90010 | 20 |
| 90 | 23290 | 33302 | 66698 | 89988 | 10 |
| **64 oo** | 23504 | 33538 | 66462 | 89966 | **36 oo** |
| 10 | 23718 | 33773 | 66227 | 89944 | 90 |
| 20 | 23932 | 34009 | 65991 | 89923 | 80 |
| 30 | 24146 | 34245 | 65755 | 89901 | 70 |
| 40 | 24360 | 34481 | 65519 | 89879 | 60 |
| 50 | 24574 | 34716 | 65284 | 89857 | 50 |
| 60 | 24788 | 34952 | 65048 | 89836 | 40 |
| 70 | 25002 | 35188 | 64812 | 89814 | 30 |
| 80 | 25216 | 35424 | 64576 | 89792 | 20 |
| 90 | 25430 | 35659 | 64341 | 89771 | 10 |
| **65 oo** | 25644 | 35895 | 64105 | 89749 | **35 oo** |
| | **9.48** | **9.50** | **0.49** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 214 | 235 | 235 | 22 | |

| 19g | 214 | 236 | 236 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.48** | **9.50** | **0.49** | **9.97** | |
| **65 oo** | 25644 | 35895 | 64105 | 89749 | **35 oo** |
| 10 | 25858 | 36131 | 63869 | 89727 | 90 |
| 20 | 26072 | 36367 | 63633 | 89705 | 80 |
| 30 | 26286 | 36602 | 63398 | 89683 | 70 |
| 40 | 26500 | 36838 | 63162 | 89662 | 60 |
| 50 | 26713 | 37074 | 62926 | 89640 | 50 |
| 60 | 26927 | 37309 | 62691 | 89618 | 40 |
| 70 | 27141 | 37545 | 62455 | 89596 | 30 |
| 80 | 27355 | 37780 | 62220 | 89575 | 20 |
| 90 | 27569 | 38016 | 61984 | 89553 | 10 |
| **66 oo** | 27783 | 38252 | 61748 | 89531 | **34 oo** |
| 10 | 27997 | 38487 | 61513 | 89509 | 90 |
| 20 | 28210 | 38723 | 61277 | 89488 | 80 |
| 30 | 28424 | 38958 | 61042 | 89466 | 70 |
| 40 | 28638 | 39194 | 60806 | 89444 | 60 |
| 50 | 28852 | 39429 | 60571 | 89422 | 50 |
| 60 | 29066 | 39665 | 60335 | 89401 | 40 |
| 70 | 29279 | 39901 | 60099 | 89379 | 30 |
| 80 | 29493 | 40136 | 59864 | 89357 | 20 |
| 90 | 29707 | 40372 | 59628 | 89335 | 10 |
| **67 oo** | 29921 | 40607 | 59393 | 89313 | **33 oo** |
| 10 | 30134 | 40843 | 59157 | 89292 | 90 |
| 20 | 30348 | 41078 | 58922 | 89270 | 80 |
| 30 | 30562 | 41314 | 58686 | 89248 | 70 |
| 40 | 30775 | 41549 | 58451 | 89226 | 60 |
| 50 | 30989 | 41784 | 58216 | 89205 | 50 |
| 60 | 31203 | 42020 | 57980 | 89183 | 40 |
| 70 | 31416 | 42255 | 57745 | 89161 | 30 |
| 80 | 31630 | 42491 | 57509 | 89139 | 20 |
| 90 | 31844 | 42726 | 57274 | 89117 | 10 |
| **68 oo** | 32057 | 42962 | 57038 | 89096 | **32 oo** |
| 10 | 32271 | 43197 | 56803 | 89074 | 90 |
| 20 | 32484 | 43432 | 56568 | 89052 | 80 |
| 30 | 32698 | 43668 | 56332 | 89030 | 70 |
| 40 | 32912 | 43903 | 56097 | 89009 | 60 |
| 50 | 33125 | 44138 | 55862 | 88987 | 50 |
| 60 | 33339 | 44374 | 55626 | 88965 | 40 |
| 70 | 33552 | 44609 | 55391 | 88943 | 30 |
| 80 | 33766 | 44844 | 55156 | 88921 | 20 |
| 90 | 33979 | 45080 | 54920 | 88900 | 10 |
| **69 oo** | 34193 | 45315 | 54685 | 88878 | **31 oo** |
| 10 | 34406 | 45550 | 54450 | 88856 | 90 |
| 20 | 34620 | 45785 | 54215 | 88834 | 80 |
| 30 | 34833 | 46021 | 53979 | 88812 | 70 |
| 40 | 35047 | 46256 | 53744 | 88791 | 60 |
| 50 | 35260 | 46491 | 53509 | 88769 | 50 |
| 60 | 35473 | 46726 | 53274 | 88747 | 40 |
| 70 | 35687 | 46962 | 53038 | 88725 | 30 |
| 80 | 35900 | 47197 | 52803 | 88703 | 20 |
| 90 | 36114 | 47432 | 52568 | 88681 | 10 |
| **70 oo** | 36327 | 47667 | 52333 | 88660 | **30 oo** |
| | **9.48** | **9.50** | **0.49** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 213 | 235 | 235 | 22 | |

| | 237 | 236 | 235 | 215 | 214 | 213 | 22 | 21 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23,7 | 23,6 | 23,5 | 21,5 | 21,4 | 21,3 | 2,2 | 2,1 | 1 |
| 2 | 47,4 | 47,2 | 47,0 | 43,0 | 42,8 | 42,6 | 4,4 | 4,2 | 2 |
| 3 | 71,1 | 70,8 | 70,5 | 64,5 | 64,2 | 63,9 | 6,6 | 6,3 | 3 |
| 4 | 94,8 | 94,4 | 94,0 | 86,0 | 85,6 | 85,2 | 8,8 | 8,4 | 4 |
| 5 | 118,5 | 118,0 | 117,5 | 107,5 | 107,0 | 106,5 | 11,0 | 10,5 | 5 |
| 6 | 142,2 | 141,6 | 141,0 | 129,0 | 128,4 | 127,8 | 13,2 | 12,6 | 6 |
| 7 | 165,9 | 165,2 | 164,5 | 150,5 | 149,8 | 149,1 | 15,4 | 14,7 | 7 |
| 8 | 189,6 | 188,8 | 188,0 | 172,0 | 171,2 | 170,4 | 17,6 | 16,8 | 8 |
| 9 | 213,3 | 212,4 | 211,5 | 193,5 | 192,6 | 191,7 | 19,8 | 18,9 | 9 |

| 19g | 214 | 236 | 236 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.48** | **9.50** | **0.49** | **9.97** | |
| **70 oo** | 36327 | 47667 | 52333 | 88660 | **30 oo** |
| 10 | 36540 | 47902 | 52098 | 88638 | 90 |
| 20 | 36754 | 48138 | 51862 | 88616 | 80 |
| 30 | 36967 | 48373 | 51627 | 88594 | 70 |
| 40 | 37180 | 48608 | 51392 | 88572 | 60 |
| 50 | 37394 | 48843 | 51157 | 88551 | 50 |
| 60 | 37607 | 49078 | 50922 | 88529 | 40 |
| 70 | 37820 | 49313 | 50687 | 88507 | 30 |
| 80 | 38034 | 49548 | 50452 | 88485 | 20 |
| 90 | 38247 | 49783 | 50217 | 88463 | 10 |
| **71 oo** | 38460 | 50019 | 49981 | 88442 | **29 oo** |
| 10 | 38673 | 50254 | 49746 | 88420 | 90 |
| 20 | 38887 | 50489 | 49511 | 88398 | 80 |
| 30 | 39100 | 50724 | 49276 | 88376 | 70 |
| 40 | 39313 | 50959 | 49041 | 88354 | 60 |
| 50 | 39526 | 51194 | 48806 | 88332 | 50 |
| 60 | 39739 | 51429 | 48571 | 88311 | 40 |
| 70 | 39953 | 51664 | 48336 | 88289 | 30 |
| 80 | 40166 | 51899 | 48101 | 88267 | 20 |
| 90 | 40379 | 52134 | 47866 | 88245 | 10 |
| **72 oo** | 40592 | 52369 | 47631 | 88223 | **28 oo** |
| 10 | 40805 | 52604 | 47396 | 88201 | 90 |
| 20 | 41018 | 52839 | 47161 | 88180 | 80 |
| 30 | 41231 | 53074 | 46926 | 88158 | 70 |
| 40 | 41445 | 53309 | 46691 | 88136 | 60 |
| 50 | 41658 | 53544 | 46456 | 88114 | 50 |
| 60 | 41871 | 53779 | 46221 | 88092 | 40 |
| 70 | 42084 | 54013 | 45987 | 88070 | 30 |
| 80 | 42297 | 54248 | 45752 | 88049 | 20 |
| 90 | 42510 | 54483 | 45517 | 88027 | 10 |
| **73 oo** | 42723 | 54718 | 45282 | 88005 | **27 oo** |
| 10 | 42936 | 54953 | 45047 | 87983 | 90 |
| 20 | 43149 | 55188 | 44812 | 87961 | 80 |
| 30 | 43362 | 55423 | 44577 | 87939 | 70 |
| 40 | 43575 | 55657 | 44343 | 87917 | 60 |
| 50 | 43788 | 55892 | 44108 | 87896 | 50 |
| 60 | 44001 | 56127 | 43873 | 87874 | 40 |
| 70 | 44214 | 56362 | 43638 | 87852 | 30 |
| 80 | 44427 | 56597 | 43403 | 87830 | 20 |
| 90 | 44640 | 56832 | 43168 | 87808 | 10 |
| **74 oo** | 44853 | 57066 | 42934 | 87786 | **26 oo** |
| 10 | 45065 | 57301 | 42699 | 87764 | 90 |
| 20 | 45278 | 57536 | 42464 | 87743 | 80 |
| 30 | 45491 | 57771 | 42229 | 87721 | 70 |
| 40 | 45704 | 58005 | 41995 | 87699 | 60 |
| 50 | 45917 | 58240 | 41760 | 87677 | 50 |
| 60 | 46130 | 58475 | 41525 | 87655 | 40 |
| 70 | 46343 | 58709 | 41291 | 87633 | 30 |
| 80 | 46556 | 58944 | 41056 | 87611 | 20 |
| 90 | 46768 | 59179 | 40821 | 87590 | 10 |
| **75 oo** | 46981 | 59413 | 40587 | 87568 | **25 oo** |
| | **9.48** | **9.50** | **0.49** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 212 | 234 | 234 | 22 | |

| 19g | 213 | 235 | 235 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.48** | **9.50** | **0.49** | **9.97** | |
| **75 oo** | 46981 | 59413 | 40587 | 87568 | **25 oo** |
| 10 | 47194 | 59648 | 40352 | 87546 | 90 |
| 20 | 47407 | 59883 | 40117 | 87524 | 80 |
| 30 | 47619 | 60117 | 39883 | 87502 | 70 |
| 40 | 47832 | 60352 | 39648 | 87480 | 60 |
| 50 | 48045 | 60587 | 39413 | 87458 | 50 |
| 60 | 48258 | 60821 | 39179 | 87436 | 40 |
| 70 | 48470 | 61056 | 38944 | 87415 | 30 |
| 80 | 48683 | 61290 | 38710 | 87393 | 20 |
| 90 | 48896 | 61525 | 38475 | 87371 | 10 |
| **76 oo** | 49109 | 61760 | 38240 | 87349 | **24 oo** |
| 10 | 49321 | 61994 | 38006 | 87327 | 90 |
| 20 | 49534 | 62229 | 37771 | 87305 | 80 |
| 30 | 49746 | 62463 | 37537 | 87283 | 70 |
| 40 | 49959 | 62698 | 37302 | 87261 | 60 |
| 50 | 50172 | 62932 | 37068 | 87239 | 50 |
| 60 | 50384 | 63167 | 36833 | 87218 | 40 |
| 70 | 50597 | 63401 | 36599 | 87196 | 30 |
| 80 | 50810 | 63636 | 36364 | 87174 | 20 |
| 90 | 51022 | 63870 | 36130 | 87152 | 10 |
| **77 oo** | 51235 | 64105 | 35895 | 87130 | **23 oo** |
| 10 | 51447 | 64339 | 35661 | 87108 | 90 |
| 20 | 51660 | 64574 | 35426 | 87086 | 80 |
| 30 | 51872 | 64808 | 35192 | 87064 | 70 |
| 40 | 52085 | 65042 | 34958 | 87042 | 60 |
| 50 | 52297 | 65277 | 34723 | 87021 | 50 |
| 60 | 52510 | 65511 | 34489 | 86999 | 40 |
| 70 | 52722 | 65746 | 34254 | 86977 | 30 |
| 80 | 52935 | 65980 | 34020 | 86955 | 20 |
| 90 | 53147 | 66214 | 33786 | 86933 | 10 |
| **78 oo** | 53360 | 66449 | 33551 | 86911 | **22 oo** |
| 10 | 53572 | 66683 | 33317 | 86889 | 90 |
| 20 | 53785 | 66917 | 33083 | 86867 | 80 |
| 30 | 53997 | 67152 | 32848 | 86845 | 70 |
| 40 | 54210 | 67386 | 32614 | 86823 | 60 |
| 50 | 54422 | 67620 | 32380 | 86802 | 50 |
| 60 | 54634 | 67855 | 32145 | 86780 | 40 |
| 70 | 54847 | 68089 | 31911 | 86758 | 30 |
| 80 | 55059 | 68323 | 31677 | 86736 | 20 |
| 90 | 55271 | 68558 | 31442 | 86714 | 10 |
| **79 oo** | 55484 | 68792 | 31208 | 86692 | **21 oo** |
| 10 | 55696 | 69026 | 30974 | 86670 | 90 |
| 20 | 55908 | 69260 | 30740 | 86648 | 80 |
| 30 | 56121 | 69495 | 30505 | 86626 | 70 |
| 40 | 56333 | 69729 | 30271 | 86604 | 60 |
| 50 | 56545 | 69963 | 30037 | 86582 | 50 |
| 60 | 56758 | 70197 | 29803 | 86560 | 40 |
| 70 | 56970 | 70431 | 29569 | 86538 | 30 |
| 80 | 57182 | 70666 | 29334 | 86517 | 20 |
| 90 | 57394 | 70900 | 29100 | 86495 | 10 |
| **80 oo** | 57607 | 71134 | 28866 | 86473 | **20 oo** |
| | **9.48** | **9.50** | **0.49** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 212 | 234 | 234 | 22 | |

| | 236 | 235 | 234 | 214 | 213 | 212 | 22 | 21 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23,6 | 23,5 | 23,4 | 21,4 | 21,3 | 21,2 | 2,2 | 2,1 | 1 |
| 2 | 47,2 | 47,0 | 46,8 | 42,8 | 42,6 | 42,4 | 4,4 | 4,2 | 2 |
| 3 | 70,8 | 70,5 | 70,2 | 64,2 | 63,9 | 63,6 | 6,6 | 6,3 | 3 |
| 4 | 94,4 | 94,0 | 93,6 | 85,6 | 85,2 | 84,8 | 8,8 | 8,4 | 4 |
| 5 | 118,0 | 117,5 | 117,0 | 107,0 | 106,5 | 106,0 | 11,0 | 10,5 | 5 |
| 6 | 141,6 | 141,0 | 140,4 | 128,4 | 127,8 | 127,2 | 13,2 | 12,6 | 6 |
| 7 | 165,2 | 164,5 | 163,8 | 149,8 | 149,1 | 148,4 | 15,4 | 14,7 | 7 |
| 8 | 188,8 | 188,0 | 187,2 | 171,2 | 170,4 | 169,6 | 17,6 | 16,8 | 8 |
| 9 | 212,4 | 211,5 | 210,6 | 192,6 | 191,7 | 190,8 | 19,8 | 18,9 | 9 |

| 19g | 213 | 235 | 235 | 21 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.48** | **9.50** | **0.49** | **9.97** | |
| **80 oo** | 57607 | 71134 | 28866 | 86473 | **20 oo** |
| 10 | 57819 | 71368 | 28632 | 86451 | 90 |
| 20 | 58031 | 71602 | 28398 | 86429 | 80 |
| 30 | 58243 | 71836 | 28164 | 86407 | 70 |
| 40 | 58455 | 72070 | 27930 | 86385 | 60 |
| 50 | 58668 | 72304 | 27696 | 86363 | 50 |
| 60 | 58880 | 72539 | 27461 | 86341 | 40 |
| 70 | 59092 | 72773 | 27227 | 86319 | 30 |
| 80 | 59304 | 73007 | 26993 | 86297 | 20 |
| 90 | 59516 | 73241 | 26759 | 86275 | 10 |
| **81 oo** | 59728 | 73475 | 26525 | 86253 | **19 oo** |
| 10 | 59940 | 73709 | 26291 | 86231 | 90 |
| 20 | 60152 | 73943 | 26057 | 86209 | 80 |
| 30 | 60364 | 74177 | 25823 | 86188 | 70 |
| 40 | 60577 | 74411 | 25589 | 86166 | 60 |
| 50 | 60789 | 74645 | 25355 | 86144 | 50 |
| 60 | 61001 | 74879 | 25121 | 86122 | 40 |
| 70 | 61213 | 75113 | 24887 | 86100 | 30 |
| 80 | 61425 | 75347 | 24653 | 86078 | 20 |
| 90 | 61637 | 75581 | 24419 | 86056 | 10 |
| **82 oo** | 61849 | 75815 | 24185 | 86034 | **18 oo** |
| 10 | 62061 | 76049 | 23951 | 86012 | 90 |
| 20 | 62273 | 76283 | 23717 | 85990 | 80 |
| 30 | 62485 | 76517 | 23483 | 85968 | 70 |
| 40 | 62697 | 76751 | 23249 | 85946 | 60 |
| 50 | 62909 | 76984 | 23016 | 85924 | 50 |
| 60 | 63120 | 77218 | 22782 | 85902 | 40 |
| 70 | 63332 | 77452 | 22548 | 85880 | 30 |
| 80 | 63544 | 77686 | 22314 | 85858 | 20 |
| 90 | 63756 | 77920 | 22080 | 85836 | 10 |
| **83 oo** | 63968 | 78154 | 21846 | 85814 | **17 oo** |
| 10 | 64180 | 78388 | 21612 | 85792 | 90 |
| 20 | 64392 | 78621 | 21379 | 85770 | 80 |
| 30 | 64604 | 78855 | 21145 | 85748 | 70 |
| 40 | 64816 | 79089 | 20911 | 85726 | 60 |
| 50 | 65027 | 79323 | 20677 | 85704 | 50 |
| 60 | 65239 | 79557 | 20443 | 85682 | 40 |
| 70 | 65451 | 79790 | 20210 | 85661 | 30 |
| 80 | 65663 | 80024 | 19976 | 85639 | 20 |
| 90 | 65875 | 80258 | 19742 | 85617 | 10 |
| **84 oo** | 66086 | 80492 | 19508 | 85595 | **16 oo** |
| 10 | 66298 | 80725 | 19275 | 85573 | 90 |
| 20 | 66510 | 80959 | 19041 | 85551 | 80 |
| 30 | 66722 | 81193 | 18807 | 85529 | 70 |
| 40 | 66933 | 81427 | 18573 | 85507 | 60 |
| 50 | 67145 | 81660 | 18340 | 85485 | 50 |
| 60 | 67357 | 81894 | 18106 | 85463 | 40 |
| 70 | 67568 | 82128 | 17872 | 85441 | 30 |
| 80 | 67780 | 82361 | 17639 | 85419 | 20 |
| 90 | 67992 | 82595 | 17405 | 85397 | 10 |
| **85 oo** | 68203 | 82829 | 17171 | 85375 | **15 oo** |
| | **9.48** | **9.50** | **0.49** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 211 | 233 | 233 | 22 | 80g |

| 19g | 212 | 234 | 234 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.48** | **9.50** | **0.49** | **9.97** | |
| **85 oo** | 68203 | 82829 | 17171 | 85375 | **15 oo** |
| 10 | 68415 | 83062 | 16938 | 85353 | 90 |
| 20 | 68627 | 83296 | 16704 | 85331 | 80 |
| 30 | 68838 | 83529 | 16471 | 85309 | 70 |
| 40 | 69050 | 83763 | 16237 | 85287 | 60 |
| 50 | 69262 | 83997 | 16003 | 85265 | 50 |
| 60 | 69473 | 84230 | 15770 | 85243 | 40 |
| 70 | 69685 | 84464 | 15536 | 85221 | 30 |
| 80 | 69896 | 84697 | 15303 | 85199 | 20 |
| 90 | 70108 | 84931 | 15069 | 85177 | 10 |
| **86 oo** | 70319 | 85164 | 14836 | 85155 | **14 oo** |
| 10 | 70531 | 85398 | 14602 | 85133 | 90 |
| 20 | 70742 | 85632 | 14368 | 85111 | 80 |
| 30 | 70954 | 85865 | 14135 | 85089 | 70 |
| 40 | 71165 | 86099 | 13901 | 85067 | 60 |
| 50 | 71377 | 86332 | 13668 | 85045 | 50 |
| 60 | 71588 | 86566 | 13434 | 85023 | 40 |
| 70 | 71800 | 86799 | 13201 | 85001 | 30 |
| 80 | 72011 | 87032 | 12968 | 84979 | 20 |
| 90 | 72223 | 87266 | 12734 | 84957 | 10 |
| **87 oo** | 72434 | 87499 | 12501 | 84935 | **13 oo** |
| 10 | 72646 | 87733 | 12267 | 84913 | 90 |
| 20 | 72857 | 87966 | 12034 | 84891 | 80 |
| 30 | 73068 | 88200 | 11800 | 84869 | 70 |
| 40 | 73280 | 88433 | 11567 | 84847 | 60 |
| 50 | 73491 | 88666 | 11334 | 84825 | 50 |
| 60 | 73702 | 88900 | 11100 | 84803 | 40 |
| 70 | 73914 | 89133 | 10867 | 84781 | 30 |
| 80 | 74125 | 89367 | 10633 | 84759 | 20 |
| 90 | 74337 | 89600 | 10400 | 84737 | 10 |
| **88 oo** | 74548 | 89833 | 10167 | 84715 | **12 oo** |
| 10 | 74759 | 90067 | 09933 | 84693 | 90 |
| 20 | 74970 | 90300 | 09700 | 84671 | 80 |
| 30 | 75182 | 90533 | 09467 | 84649 | 70 |
| 40 | 75393 | 90766 | 09234 | 84627 | 60 |
| 50 | 75604 | 91000 | 09000 | 84604 | 50 |
| 60 | 75815 | 91233 | 08767 | 84582 | 40 |
| 70 | 76027 | 91466 | 08534 | 84560 | 30 |
| 80 | 76238 | 91700 | 08300 | 84538 | 20 |
| 90 | 76449 | 91933 | 08067 | 84516 | 10 |
| **89 oo** | 76660 | 92166 | 07834 | 84494 | **11 oo** |
| 10 | 76872 | 92399 | 07601 | 84472 | 90 |
| 20 | 77083 | 92632 | 07368 | 84450 | 80 |
| 30 | 77294 | 92866 | 07134 | 84428 | 70 |
| 40 | 77505 | 93099 | 06901 | 84406 | 60 |
| 50 | 77716 | 93332 | 06668 | 84384 | 50 |
| 60 | 77927 | 93565 | 06435 | 84362 | 40 |
| 70 | 78138 | 93798 | 06202 | 84340 | 30 |
| 80 | 78350 | 94032 | 05968 | 84318 | 20 |
| 90 | 78561 | 94265 | 05735 | 84296 | 10 |
| **90 oo** | 78772 | 94498 | 05502 | 84274 | **10 oo** |
| | **9.48** | **9.50** | **0.49** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 211 | 233 | 233 | 23 | 80g |

| | 235 | 234 | 233 | 213 | 212 | 211 | 23 | 22 | 21 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23,5 | 23,4 | 23,3 | 21,3 | 21,2 | 21,1 | 2,3 | 2,2 | 2,1 | 1 |
| 2 | 47,0 | 46,8 | 46,6 | 42,6 | 42,4 | 42,2 | 4,6 | 4,4 | 4,2 | 2 |
| 3 | 70,5 | 70,2 | 69,9 | 63,9 | 63,6 | 63,3 | 6,9 | 6,6 | 6,3 | 3 |
| 4 | 94,0 | 93,6 | 93,2 | 85,2 | 84,8 | 84,4 | 9,2 | 8,8 | 8,4 | 4 |
| 5 | 117,5 | 117,0 | 116,5 | 106,5 | 106,0 | 105,5 | 11,5 | 11,0 | 10,5 | 5 |
| 6 | 141,0 | 140,4 | 139,8 | 127,8 | 127,2 | 126,6 | 13,8 | 13,2 | 12,6 | 6 |
| 7 | 164,5 | 163,8 | 163,1 | 149,1 | 148,4 | 147,7 | 16,1 | 15,4 | 14,7 | 7 |
| 8 | 188,0 | 187,2 | 186,4 | 170,4 | 169,6 | 168,8 | 18,4 | 17,6 | 16,8 | 8 |
| 9 | 211,5 | 210,6 | 209,7 | 191,7 | 190,8 | 189,9 | 20,7 | 19,8 | 18,9 | 9 |

| 19g | 211 | 234 | 234 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.48** | ***9.50** | ***0.49** | **9.97** | |
| **90 oo** | 78772 | *94498 | *05502 | 84274 | **10 oo** |
| 10 | 78983 | *94731 | *05269 | 84252 | 90 |
| 20 | 79194 | *94964 | *05036 | 84230 | 80 |
| 30 | 79405 | *95197 | *04803 | 84208 | 70 |
| 40 | 79616 | *95430 | *04570 | 84186 | 60 |
| 50 | 79827 | *95663 | *04337 | 84164 | 50 |
| 60 | 80038 | *95896 | *04104 | 84142 | 40 |
| 70 | 80249 | *96130 | *03870 | 84120 | 30 |
| 80 | 80460 | *96363 | *03637 | 84097 | 20 |
| 90 | 80671 | *96596 | *03404 | 84075 | 10 |
| **91 oo** | 80882 | *96829 | *03171 | 84053 | **09 oo** |
| 10 | 81093 | *97062 | *02938 | 84031 | 90 |
| 20 | 81304 | *97295 | *02705 | 84009 | 80 |
| 30 | 81515 | *97528 | *02472 | 83987 | 70 |
| 40 | 81726 | *97761 | *02239 | 83965 | 60 |
| 50 | 81937 | *97994 | *02006 | 83943 | 50 |
| 60 | 82148 | *98227 | *01773 | 83921 | 40 |
| 70 | 82359 | *98460 | *01540 | 83899 | 30 |
| 80 | 82569 | *98693 | *01307 | 83877 | 20 |
| 90 | 82780 | *98926 | *01074 | 83855 | 10 |
| **92 oo** | 82991 | *99158 | *00842 | 83833 | **08 oo** |
| 10 | 83202 | *99391 | *00609 | 83811 | 90 |
| 20 | 83413 | *99624 | *00376 | 83789 | 80 |
| 30 | 83624 | *99857 | *00143 | 83766 | 70 |
| 40 | 83835 | 00090 | 99910 | 83744 | 60 |
| 50 | 84045 | 00323 | 99677 | 83722 | 50 |
| 60 | 84256 | 00556 | 99444 | 83700 | 40 |
| 70 | 84467 | 00789 | 99211 | 83678 | 30 |
| 80 | 84678 | 01022 | 98978 | 83656 | 20 |
| 90 | 84888 | 01254 | 98746 | 83634 | 10 |
| **93 oo** | 85099 | 01487 | 98513 | 83612 | **07 oo** |
| 10 | 85310 | 01720 | 98280 | 83590 | 90 |
| 20 | 85521 | 01953 | 98047 | 83568 | 80 |
| 30 | 85731 | 02186 | 97814 | 83546 | 70 |
| 40 | 85942 | 02418 | 97582 | 83524 | 60 |
| 50 | 86153 | 02651 | 97349 | 83502 | 50 |
| 60 | 86363 | 02884 | 97116 | 83479 | 40 |
| 70 | 86574 | 03117 | 96883 | 83457 | 30 |
| 80 | 86785 | 03350 | 96650 | 83435 | 20 |
| 90 | 86995 | 03582 | 96418 | 83413 | 10 |
| **94 oo** | 87206 | 03815 | 96185 | 83391 | **06 oo** |
| 10 | 87417 | 04048 | 95952 | 83369 | 90 |
| 20 | 87627 | 04280 | 95720 | 83347 | 80 |
| 30 | 87838 | 04513 | 95487 | 83325 | 70 |
| 40 | 88048 | 04746 | 95254 | 83303 | 60 |
| 50 | 88259 | 04978 | 95022 | 83281 | 50 |
| 60 | 88470 | 05211 | 94789 | 83258 | 40 |
| 70 | 88680 | 05444 | 94556 | 83236 | 30 |
| 80 | 88891 | 05676 | 94324 | 83214 | 20 |
| 90 | 89101 | 05909 | 94091 | 83192 | 10 |
| **95 oo** | 89312 | 06142 | 93858 | 83170 | **05 oo** |
| | **9.48** | **9.51** | **0.48** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 210 | 232 | 232 | 23 | |

| 19g | 211 | 233 | 233 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.48** | **9.51** | **0.48** | **9.97** | |
| **95 oo** | 89312 | 06142 | 93858 | 83170 | **05 oo** |
| 10 | 89522 | 06374 | 93626 | 83148 | 90 |
| 20 | 89733 | 06607 | 93393 | 83126 | 80 |
| 30 | 89943 | 06840 | 93160 | 83104 | 70 |
| 40 | 90154 | 07072 | 92928 | 83082 | 60 |
| 50 | 90364 | 07305 | 92695 | 83060 | 50 |
| 60 | 90575 | 07537 | 92463 | 83037 | 40 |
| 70 | 90785 | 07770 | 92230 | 83015 | 30 |
| 80 | 90996 | 08002 | 91998 | 82993 | 20 |
| 90 | 91206 | 08235 | 91765 | 82971 | 10 |
| **96 oo** | 91416 | 08467 | 91533 | 82949 | **04 oo** |
| 10 | 91627 | 08700 | 91300 | 82927 | 90 |
| 20 | 91837 | 08933 | 91067 | 82905 | 80 |
| 30 | 92048 | 09165 | 90835 | 82883 | 70 |
| 40 | 92258 | 09397 | 90603 | 82860 | 60 |
| 50 | 92468 | 09630 | 90370 | 82838 | 50 |
| 60 | 92679 | 09862 | 90138 | 82816 | 40 |
| 70 | 92889 | 10095 | 89905 | 82794 | 30 |
| 80 | 93099 | 10327 | 89673 | 82772 | 20 |
| 90 | 93310 | 10560 | 89440 | 82750 | 10 |
| **97 oo** | 93520 | 10792 | 89208 | 82728 | **03 oo** |
| 10 | 93730 | 11025 | 88975 | 82706 | 90 |
| 20 | 93940 | 11257 | 88743 | 82683 | 80 |
| 30 | 94151 | 11489 | 88511 | 82661 | 70 |
| 40 | 94361 | 11722 | 88278 | 82639 | 60 |
| 50 | 94571 | 11954 | 88046 | 82617 | 50 |
| 60 | 94781 | 12187 | 87813 | 82595 | 40 |
| 70 | 94992 | 12419 | 87581 | 82573 | 30 |
| 80 | 95202 | 12651 | 87349 | 82551 | 20 |
| 90 | 95412 | 12884 | 87116 | 82528 | 10 |
| **98 oo** | 95622 | 13116 | 86884 | 82506 | **02 oo** |
| 10 | 95832 | 13348 | 86652 | 82484 | 90 |
| 20 | 96043 | 13581 | 86419 | 82462 | 80 |
| 30 | 96253 | 13813 | 86187 | 82440 | 70 |
| 40 | 96463 | 14045 | 85955 | 82418 | 60 |
| 50 | 96673 | 14277 | 85723 | 82396 | 50 |
| 60 | 96883 | 14510 | 85490 | 82373 | 40 |
| 70 | 97093 | 14742 | 85258 | 82351 | 30 |
| 80 | 97303 | 14974 | 85026 | 82329 | 20 |
| 90 | 97513 | 15206 | 84794 | 82307 | 10 |
| **99 oo** | 97724 | 15439 | 84561 | 82285 | **01 oo** |
| 10 | 97934 | 15671 | 84329 | 82263 | 90 |
| 20 | 98144 | 15903 | 84097 | 82241 | 80 |
| 30 | 98354 | 16135 | 83865 | 82218 | 70 |
| 40 | 98564 | 16367 | 83633 | 82196 | 60 |
| 50 | 98774 | 16600 | 83400 | 82174 | 50 |
| 60 | 98984 | 16832 | 83168 | 82152 | 40 |
| 70 | 99194 | 17064 | 82936 | 82130 | 30 |
| 80 | 99404 | 17296 | 82704 | 82108 | 20 |
| 90 | 99614 | 17528 | 82472 | 82085 | 10 |
| **100 oo** | 99824 | 17760 | 82240 | 82063 | **00 oo** |
| | **9.48** | **9.51** | **0.48** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 80g |
| | 210 | 232 | 232 | 23 | |

| | 234 | 233 | 232 | 211 | 210 | 23 | 22 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 23,4 | 23,3 | 23,2 | 21,1 | 21,0 | 2,3 | 2,2 | 1 |
| 2 | 46,8 | 46,6 | 46,4 | 42,2 | 42,0 | 4,6 | 4,4 | 2 |
| 3 | 70,2 | 69,9 | 69,6 | 63,3 | 63,0 | 6,9 | 6,6 | 3 |
| 4 | 93,6 | 93,2 | 92,8 | 84,4 | 84,0 | 9,2 | 8,8 | 4 |
| 5 | 117,0 | 116,5 | 116,0 | 105,5 | 105,0 | 11,5 | 11,0 | 5 |
| 6 | 140,4 | 139,8 | 139,2 | 126,6 | 126,0 | 13,8 | 13,2 | 6 |
| 7 | 163,8 | 163,1 | 162,4 | 147,7 | 147,0 | 16,1 | 15,4 | 7 |
| 8 | 187,2 | 186,4 | 185,6 | 168,8 | 168,0 | 18,4 | 17,6 | 8 |
| 9 | 210,6 | 209,7 | 208,8 | 189,9 | 189,0 | 20,7 | 19,8 | 9 |

| $20^g$ | 210 | 233 | 233 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.48 | 9.51 | 0.48 | 9.97 | |
| **00 oo** | *99824 | 17760 | 82240 | 82063 | **100 oo** |
| 10 | 00034 | 17993 | 82007 | 82041 | 90 |
| 20 | 00244 | 18225 | 81775 | 82019 | 80 |
| 30 | 00453 | 18457 | 81543 | 81997 | 70 |
| 40 | 00663 | 18689 | 81311 | 81975 | 60 |
| 50 | 00873 | 18921 | 81079 | 81952 | 50 |
| 60 | 01083 | 19153 | 80847 | 81930 | 40 |
| 70 | 01293 | 19385 | 80615 | 81908 | 30 |
| 80 | 01503 | 19617 | 80383 | 81886 | 20 |
| 90 | 01713 | 19849 | 80151 | 81864 | 10 |
| **01 oo** | 01923 | 20081 | 79919 | 81842 | **99 oo** |
| 10 | 02132 | 20313 | 79687 | 81819 | 90 |
| 20 | 02342 | 20545 | 79455 | 81797 | 80 |
| 30 | 02552 | 20777 | 79223 | 81775 | 70 |
| 40 | 02762 | 21009 | 78991 | 81753 | 60 |
| 50 | 02972 | 21241 | 78759 | 81731 | 50 |
| 60 | 03182 | 21473 | 78527 | 81708 | 40 |
| 70 | 03391 | 21705 | 78295 | 81686 | 30 |
| 80 | 03601 | 21937 | 78063 | 81664 | 20 |
| 90 | 03811 | 22169 | 77831 | 81642 | 10 |
| **02 oo** | 04021 | 22401 | 77599 | 81620 | **98 oo** |
| 10 | 04230 | 22633 | 77367 | 81598 | 90 |
| 20 | 04440 | 22865 | 77135 | 81575 | 80 |
| 30 | 04650 | 23097 | 76903 | 81553 | 70 |
| 40 | 04859 | 23328 | 76672 | 81531 | 60 |
| 50 | 05069 | 23560 | 76440 | 81509 | 50 |
| 60 | 05279 | 23792 | 76208 | 81487 | 40 |
| 70 | 05488 | 24024 | 75976 | 81464 | 30 |
| 80 | 05698 | 24256 | 75744 | 81442 | 20 |
| 90 | 05908 | 24488 | 75512 | 81420 | 10 |
| **03 oo** | 06117 | 24720 | 75280 | 81398 | **97 oo** |
| 10 | 06327 | 24951 | 75049 | 81376 | 90 |
| 20 | 06536 | 25183 | 74817 | 81353 | 80 |
| 30 | 06746 | 25415 | 74585 | 81331 | 70 |
| 40 | 06956 | 25647 | 74353 | 81309 | 60 |
| 50 | 07165 | 25879 | 74121 | 81287 | 50 |
| 60 | 07375 | 26110 | 73890 | 81265 | 40 |
| 70 | 07584 | 26342 | 73658 | 81242 | 30 |
| 80 | 07794 | 26574 | 73426 | 81220 | 20 |
| 90 | 08003 | 26806 | 73194 | 81198 | 10 |
| **04 oo** | 08213 | 27037 | 72963 | 81176 | **96 oo** |
| 10 | 08422 | 27269 | 72731 | 81153 | 90 |
| 20 | 08632 | 27501 | 72499 | 81131 | 80 |
| 30 | 08841 | 27732 | 72268 | 81109 | 70 |
| 40 | 09051 | 27964 | 72036 | 81087 | 60 |
| 50 | 09260 | 28196 | 71804 | 81065 | 50 |
| 60 | 09470 | 28427 | 71573 | 81042 | 40 |
| 70 | 09679 | 28659 | 71341 | 81020 | 30 |
| 80 | 09889 | 28891 | 71109 | 80998 | 20 |
| 90 | 10098 | 29122 | 70878 | 80976 | 10 |
| **05 oo** | 10307 | 29354 | 70646 | 80953 | **95 oo** |
| | **9.49** | **9.51** | **0.48** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | $79^g$ |
| | 209 | 231 | 231 | 23 | |

| $20^g$ | 210 | 232 | 232 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.49** | **9.51** | **0.48** | **9.97** | |
| **05 oo** | 10307 | 29354 | 70646 | 80953 | **95 oo** |
| 10 | 10517 | 29586 | 70414 | 80931 | 90 |
| 20 | 10726 | 29817 | 70183 | 80909 | 80 |
| 30 | 10936 | 30049 | 69951 | 80887 | 70 |
| 40 | 11145 | 30280 | 69720 | 80865 | 60 |
| 50 | 11354 | 30512 | 69488 | 80842 | 50 |
| 60 | 11564 | 30743 | 69257 | 80820 | 40 |
| 70 | 11773 | 30975 | 69025 | 80798 | 30 |
| 80 | 11982 | 31207 | 68793 | 80776 | 20 |
| 90 | 12192 | 31438 | 68562 | 80753 | 10 |
| **06 oo** | 12401 | 31670 | 68330 | 80731 | **94 oo** |
| 10 | 12610 | 31901 | 68099 | 80709 | 90 |
| 20 | 12819 | 32133 | 67867 | 80687 | 80 |
| 30 | 13029 | 32364 | 67636 | 80664 | 70 |
| 40 | 13238 | 32596 | 67404 | 80642 | 60 |
| 50 | 13447 | 32827 | 67173 | 80620 | 50 |
| 60 | 13656 | 33059 | 66941 | 80598 | 40 |
| 70 | 13866 | 33290 | 66710 | 80575 | 30 |
| 80 | 14075 | 33522 | 66478 | 80553 | 20 |
| 90 | 14284 | 33753 | 66247 | 80531 | 10 |
| **07 oo** | 14493 | 33984 | 66016 | 80509 | **93 oo** |
| 10 | 14702 | 34216 | 65784 | 80487 | 90 |
| 20 | 14911 | 34447 | 65553 | 80464 | 80 |
| 30 | 15121 | 34679 | 65321 | 80442 | 70 |
| 40 | 15330 | 34910 | 65090 | 80420 | 60 |
| 50 | 15539 | 35141 | 64859 | 80397 | 50 |
| 60 | 15748 | 35373 | 64627 | 80375 | 40 |
| 70 | 15957 | 35604 | 64396 | 80353 | 30 |
| 80 | 16166 | 35835 | 64165 | 80331 | 20 |
| 90 | 16375 | 36067 | 63933 | 80308 | 10 |
| **08 oo** | 16584 | 36298 | 63702 | 80286 | **92 oo** |
| 10 | 16793 | 36529 | 63471 | 80264 | 90 |
| 20 | 17002 | 36761 | 63239 | 80242 | 80 |
| 30 | 17211 | 36992 | 63008 | 80219 | 70 |
| 40 | 17420 | 37223 | 62777 | 80197 | 60 |
| 50 | 17629 | 37455 | 62545 | 80175 | 50 |
| 60 | 17838 | 37686 | 62314 | 80153 | 40 |
| 70 | 18047 | 37917 | 62083 | 80130 | 30 |
| 80 | 18256 | 38148 | 61852 | 80108 | 20 |
| 90 | 18465 | 38380 | 61620 | 80086 | 10 |
| **09 oo** | 18674 | 38611 | 61389 | 80064 | **91 oo** |
| 10 | 18883 | 38842 | 61158 | 80041 | 90 |
| 20 | 19092 | 39073 | 60927 | 80019 | 80 |
| 30 | 19301 | 39304 | 60696 | 79997 | 70 |
| 40 | 19510 | 39536 | 60464 | 79974 | 60 |
| 50 | 19719 | 39767 | 60233 | 79952 | 50 |
| 60 | 19928 | 39998 | 60002 | 79930 | 40 |
| 70 | 20137 | 40229 | 59771 | 79908 | 30 |
| 80 | 20346 | 40460 | 59540 | 79885 | 20 |
| 90 | 20554 | 40691 | 59309 | 79863 | 10 |
| **10 oo** | 20763 | 40923 | 59077 | 79841 | **90 oo** |
| | **9.49** | **9.51** | **0.48** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | $79^g$ |
| | 208 | 231 | 231 | 23 | |

| | 233 | 232 | 231 | 210 | 209 | 208 | 23 | 22 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23,3 | 23,2 | 23,1 | 21,0 | 20,9 | 20,8 | 2,3 | 2,2 | 1 |
| 2 | 46,6 | 46,4 | 46,2 | 42,0 | 41,8 | 41,6 | 4,6 | 4,4 | 2 |
| 3 | 69,9 | 69,6 | 69,3 | 63,0 | 62,7 | 62,4 | 6,9 | 6,6 | 3 |
| 4 | 93,2 | 92,8 | 92,4 | 84,0 | 83,6 | 83,2 | 9,2 | 8,8 | 4 |
| 5 | 116,5 | 116,0 | 115,5 | 105,0 | 104,5 | 104,0 | 11,5 | 11,0 | 5 |
| 6 | 139,8 | 139,2 | 138,6 | 126,0 | 125,4 | 124,8 | 13,8 | 13,2 | 6 |
| 7 | 163,1 | 162,4 | 161,7 | 147,0 | 146,3 | 145,6 | 16,1 | 15,4 | 7 |
| 8 | 186,4 | 185,6 | 184,8 | 168,0 | 167,2 | 166,4 | 18,4 | 17,6 | 8 |
| 9 | 209,7 | 208,8 | 207,9 | 189,0 | 188,1 | 187,2 | 20,7 | 19,8 | 9 |

| 20g | 209 | 231 | 231 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.49** | **9.51** | **0.48** | **9.97** | |
| **10 oo** | 20763 | 40923 | 59077 | 79841 | **90 oo** |
| 10 | 20972 | 41154 | 58846 | 79818 | 90 |
| 20 | 21181 | 41385 | 58615 | 79796 | 80 |
| 30 | 21390 | 41616 | 58384 | 79774 | 70 |
| 40 | 21599 | 41847 | 58153 | 79752 | 60 |
| 50 | 21807 | 42078 | 57922 | 79729 | 50 |
| 60 | 22016 | 42309 | 57691 | 79707 | 40 |
| 70 | 22225 | 42540 | 57460 | 79685 | 30 |
| 80 | 22434 | 42771 | 57229 | 79662 | 20 |
| 90 | 22642 | 43002 | 56998 | 79640 | 10 |
| **11 oo** | 22851 | 43233 | 56767 | 79618 | **89 oo** |
| 10 | 23060 | 43464 | 56536 | 79596 | 90 |
| 20 | 23269 | 43695 | 56305 | 79573 | 80 |
| 30 | 23477 | 43926 | 56074 | 79551 | 70 |
| 40 | 23686 | 44157 | 55843 | 79529 | 60 |
| 50 | 23895 | 44388 | 55612 | 79506 | 50 |
| 60 | 24103 | 44619 | 55381 | 79484 | 40 |
| 70 | 24312 | 44850 | 55150 | 79462 | 30 |
| 80 | 24521 | 45081 | 54919 | 79439 | 20 |
| 90 | 24729 | 45312 | 54688 | 79417 | 10 |
| **12 oo** | 24938 | 45543 | 54457 | 79395 | **88 oo** |
| 10 | 25146 | 45774 | 54226 | 79373 | 90 |
| 20 | 25355 | 46005 | 53995 | 79350 | 80 |
| 30 | 25564 | 46236 | 53764 | 79328 | 70 |
| 40 | 25772 | 46467 | 53533 | 79306 | 60 |
| 50 | 25981 | 46698 | 53302 | 79283 | 50 |
| 60 | 26189 | 46928 | 53072 | 79261 | 40 |
| 70 | 26398 | 47159 | 52841 | 79239 | 30 |
| 80 | 26606 | 47390 | 52610 | 79216 | 20 |
| 90 | 26815 | 47621 | 52379 | 79194 | 10 |
| **13 oo** | 27023 | 47852 | 52148 | 79172 | **87 oo** |
| 10 | 27232 | 48083 | 51917 | 79149 | 90 |
| 20 | 27440 | 48313 | 51687 | 79127 | 80 |
| 30 | 27649 | 48544 | 51456 | 79105 | 70 |
| 40 | 27857 | 48775 | 51225 | 79082 | 60 |
| 50 | 28066 | 49006 | 50994 | 79060 | 50 |
| 60 | 28274 | 49237 | 50763 | 79038 | 40 |
| 70 | 28483 | 49467 | 50533 | 79015 | 30 |
| 80 | 28691 | 49698 | 50302 | 78993 | 20 |
| 90 | 28900 | 49929 | 50071 | 78971 | 10 |
| **14 oo** | 29108 | 50160 | 49840 | 78948 | **86 oo** |
| 10 | 29316 | 50390 | 49610 | 78926 | 90 |
| 20 | 29525 | 50621 | 49379 | 78904 | 80 |
| 30 | 29733 | 50852 | 49148 | 78881 | 70 |
| 40 | 29941 | 51082 | 48918 | 78859 | 60 |
| 50 | 30150 | 51313 | 48687 | 78837 | 50 |
| 60 | 30358 | 51544 | 48456 | 78814 | 40 |
| 70 | 30566 | 51774 | 48226 | 78792 | 30 |
| 80 | 30775 | 52005 | 47995 | 78770 | 20 |
| 90 | 30983 | 52236 | 47764 | 78747 | 10 |
| **15 oo** | 31191 | 52466 | 47534 | 78725 | **85 oo** |
| | **9.49** | **9.51** | **0.48** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **79g** |
| | 208 | 230 | 230 | 23 | |

| 20g | 209 | 231 | 231 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.49** | **9.51** | **0.48** | **9.97** | |
| **15 oo** | 31191 | 52466 | 47534 | 78725 | **85 oo** |
| 10 | 31400 | 52697 | 47303 | 78703 | 90 |
| 20 | 31608 | 52928 | 47072 | 78680 | 80 |
| 30 | 31816 | 53158 | 46842 | 78658 | 70 |
| 40 | 32024 | 53389 | 46611 | 78636 | 60 |
| 50 | 32233 | 53619 | 46381 | 78613 | 50 |
| 60 | 32441 | 53850 | 46150 | 78591 | 40 |
| 70 | 32649 | 54080 | 45920 | 78569 | 30 |
| 80 | 32857 | 54311 | 45689 | 78546 | 20 |
| 90 | 33066 | 54542 | 45458 | 78524 | 10 |
| **16 oo** | 33274 | 54772 | 45228 | 78502 | **84 oo** |
| 10 | 33482 | 55003 | 44997 | 78479 | 90 |
| 20 | 33690 | 55233 | 44767 | 78457 | 80 |
| 30 | 33898 | 55464 | 44536 | 78435 | 70 |
| 40 | 34106 | 55694 | 44306 | 78412 | 60 |
| 50 | 34314 | 55925 | 44075 | 78390 | 50 |
| 60 | 34523 | 56155 | 43845 | 78367 | 40 |
| 70 | 34731 | 56386 | 43614 | 78345 | 30 |
| 80 | 34939 | 56616 | 43384 | 78323 | 20 |
| 90 | 35147 | 56846 | 43154 | 78300 | 10 |
| **17 oo** | 35355 | 57077 | 42923 | 78278 | **83 oo** |
| 10 | 35563 | 57307 | 42693 | 78256 | 90 |
| 20 | 35771 | 57538 | 42462 | 78233 | 80 |
| 30 | 35979 | 57768 | 42232 | 78211 | 70 |
| 40 | 36187 | 57999 | 42001 | 78188 | 60 |
| 50 | 36395 | 58229 | 41771 | 78166 | 50 |
| 60 | 36603 | 58459 | 41541 | 78144 | 40 |
| 70 | 36811 | 58690 | 41310 | 78121 | 30 |
| 80 | 37019 | 58920 | 41080 | 78099 | 20 |
| 90 | 37227 | 59150 | 40850 | 78077 | 10 |
| **18 oo** | 37435 | 59381 | 40619 | 78054 | **82 oo** |
| 10 | 37643 | 59611 | 40389 | 78032 | 90 |
| 20 | 37851 | 59841 | 40159 | 78009 | 80 |
| 30 | 38059 | 60072 | 39928 | 77987 | 70 |
| 40 | 38267 | 60302 | 39698 | 77965 | 60 |
| 50 | 38475 | 60532 | 39468 | 77942 | 50 |
| 60 | 38682 | 60763 | 39237 | 77920 | 40 |
| 70 | 38890 | 60993 | 39007 | 77898 | 30 |
| 80 | 39098 | 61223 | 38777 | 77875 | 20 |
| 90 | 39306 | 61453 | 38547 | 77853 | 10 |
| **19 oo** | 39514 | 61684 | 38316 | 77830 | **81 oo** |
| 10 | 39722 | 61914 | 38086 | 77808 | 90 |
| 20 | 39930 | 62144 | 37856 | 77786 | 80 |
| 30 | 40137 | 62374 | 37626 | 77763 | 70 |
| 40 | 40345 | 62604 | 37396 | 77741 | 60 |
| 50 | 40553 | 62835 | 37165 | 77718 | 50 |
| 60 | 40761 | 63065 | 36935 | 77696 | 40 |
| 70 | 40969 | 63295 | 36705 | 77674 | 30 |
| 80 | 41176 | 63525 | 36475 | 77651 | 20 |
| 90 | 41384 | 63755 | 36245 | 77629 | 10 |
| **20 oo** | 41592 | 63985 | 36015 | 77606 | **80 oo** |
| | **9.49** | **9.51** | **0.48** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **79g** |
| | 207 | 230 | 230 | 23 | |

| | 231 | 230 | 209 | 208 | 207 | 23 | 22 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 23,1 | 23,0 | 20,9 | 20,8 | 20,7 | 2,3 | 2,2 | 1 |
| 2 | 46,2 | 46,0 | 41,8 | 41,6 | 41,4 | 4,6 | 4,4 | 2 |
| 3 | 69,3 | 69,0 | 62,7 | 62,4 | 62,1 | 6,9 | 6,6 | 3 |
| 4 | 92,4 | 92,0 | 83,6 | 83,2 | 82,8 | 9,2 | 8,8 | 4 |
| 5 | 115,5 | 115,0 | 104,5 | 104,0 | 103,5 | 11,5 | 11,0 | 5 |
| 6 | 138,6 | 138,0 | 125,4 | 124,8 | 124,2 | 13,8 | 13,2 | 6 |
| 7 | 161,7 | 161,0 | 146,3 | 145,6 | 144,9 | 16,1 | 15,4 | 7 |
| 8 | 184,8 | 184,0 | 167,2 | 166,4 | 165,6 | 18,4 | 17,6 | 8 |
| 9 | 207,9 | 207,0 | 188,1 | 187,2 | 186,3 | 20,7 | 19,8 | 9 |

| 20g | 208 | 231 | 231 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.49** | **9.51** | **0.48** | **9.97** | |
| **20 oo** | 41592 | 63985 | 36015 | 77606 | **80 oo** |
| 10 | 41800 | 64216 | 35784 | 77584 | 90 |
| 20 | 42007 | 64446 | 35554 | 77562 | 80 |
| 30 | 42215 | 64676 | 35324 | 77539 | 70 |
| 40 | 42423 | 64906 | 35094 | 77517 | 60 |
| 50 | 42630 | 65136 | 34864 | 77494 | 50 |
| 60 | 42838 | 65366 | 34634 | 77472 | 40 |
| 70 | 43046 | 65596 | 34404 | 77450 | 30 |
| 80 | 43253 | 65826 | 34174 | 77427 | 20 |
| 90 | 43461 | 66056 | 33944 | 77405 | 10 |
| **21 oo** | 43669 | 66286 | 33714 | 77382 | **79 oo** |
| 10 | 43876 | 66516 | 33484 | 77360 | 90 |
| 20 | 44084 | 66746 | 33254 | 77337 | 80 |
| 30 | 44291 | 66976 | 33024 | 77315 | 70 |
| 40 | 44499 | 67206 | 32794 | 77293 | 60 |
| 50 | 44707 | 67436 | 32564 | 77270 | 50 |
| 60 | 44914 | 67666 | 32334 | 77248 | 40 |
| 70 | 45122 | 67896 | 32104 | 77225 | 30 |
| 80 | 45329 | 68126 | 31874 | 77203 | 20 |
| 90 | 45537 | 68356 | 31644 | 77181 | 10 |
| **22 oo** | 45744 | 68586 | 31414 | 77158 | **78 oo** |
| 10 | 45952 | 68816 | 31184 | 77136 | 90 |
| 20 | 46159 | 69046 | 30954 | 77113 | 80 |
| 30 | 46367 | 69276 | 30724 | 77091 | 70 |
| 40 | 46574 | 69506 | 30494 | 77068 | 60 |
| 50 | 46782 | 69736 | 30264 | 77046 | 50 |
| 60 | 46989 | 69966 | 30034 | 77024 | 40 |
| 70 | 47197 | 70196 | 29804 | 77001 | 30 |
| 80 | 47404 | 70425 | 29575 | 76979 | 20 |
| 90 | 47611 | 70655 | 29345 | 76956 | 10 |
| **23 oo** | 47819 | 70885 | 29115 | 76934 | **77 oo** |
| 10 | 48026 | 71115 | 28885 | 76911 | 90 |
| 20 | 48234 | 71345 | 28655 | 76889 | 80 |
| 30 | 48441 | 71575 | 28425 | 76866 | 70 |
| 40 | 48648 | 71804 | 28196 | 76844 | 60 |
| 50 | 48856 | 72034 | 27966 | 76822 | 50 |
| 60 | 49063 | 72264 | 27736 | 76799 | 40 |
| 70 | 49270 | 72494 | 27506 | 76777 | 30 |
| 80 | 49478 | 72723 | 27277 | 76754 | 20 |
| 90 | 49685 | 72953 | 27047 | 76732 | 10 |
| **24 oo** | 49892 | 73183 | 26817 | 76709 | **76 oo** |
| 10 | 50100 | 73413 | 26587 | 76687 | 90 |
| 20 | 50307 | 73642 | 26358 | 76664 | 80 |
| 30 | 50514 | 73872 | 26128 | 76642 | 70 |
| 40 | 50721 | 74102 | 25898 | 76620 | 60 |
| 50 | 50929 | 74332 | 25668 | 76597 | 50 |
| 60 | 51136 | 74561 | 25439 | 76575 | 40 |
| 70 | 51343 | 74791 | 25209 | 76552 | 30 |
| 80 | 51550 | 75021 | 24979 | 76530 | 20 |
| 90 | 51758 | 75250 | 24750 | 76507 | 10 |
| **25 oo** | 51965 | 75480 | 24520 | 76485 | **75 oo** |
| | **9.49** | **9.51** | **0.48** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 79g |
| | 207 | 229 | 229 | 23 | |

| 20g | 208 | 230 | 230 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.49** | **9.51** | **0.48** | **9.97** | |
| **25 oo** | 51965 | 75480 | 24520 | 76485 | **75 oo** |
| 10 | 52172 | 75710 | 24290 | 76462 | 90 |
| 20 | 52379 | 75939 | 24061 | 76440 | 80 |
| 30 | 52586 | 76169 | 23831 | 76417 | 70 |
| 40 | 52793 | 76398 | 23602 | 76395 | 60 |
| 50 | 53001 | 76628 | 23372 | 76372 | 50 |
| 60 | 53208 | 76858 | 23142 | 76350 | 40 |
| 70 | 53415 | 77087 | 22913 | 76328 | 30 |
| 80 | 53622 | 77317 | 22683 | 76305 | 20 |
| 90 | 53829 | 77546 | 22454 | 76283 | 10 |
| **26 oo** | 54036 | 77776 | 22224 | 76260 | **74 oo** |
| 10 | 54243 | 78005 | 21995 | 76238 | 90 |
| 20 | 54450 | 78235 | 21765 | 76215 | 80 |
| 30 | 54657 | 78465 | 21535 | 76193 | 70 |
| 40 | 54864 | 78694 | 21306 | 76170 | 60 |
| 50 | 55071 | 78924 | 21076 | 76148 | 50 |
| 60 | 55278 | 79153 | 20847 | 76125 | 40 |
| 70 | 55485 | 79383 | 20617 | 76103 | 30 |
| 80 | 55692 | 79612 | 20388 | 76080 | 20 |
| 90 | 55899 | 79841 | 20159 | 76058 | 10 |
| **27 oo** | 56106 | 80071 | 19929 | 76035 | **73 oo** |
| 10 | 56313 | 80300 | 19700 | 76013 | 90 |
| 20 | 56520 | 80530 | 19470 | 75990 | 80 |
| 30 | 56727 | 80759 | 19241 | 75968 | 70 |
| 40 | 56934 | 80989 | 19011 | 75945 | 60 |
| 50 | 57141 | 81218 | 18782 | 75923 | 50 |
| 60 | 57348 | 81447 | 18553 | 75900 | 40 |
| 70 | 57555 | 81677 | 18323 | 75878 | 30 |
| 80 | 57762 | 81906 | 18094 | 75855 | 20 |
| 90 | 57968 | 82136 | 17864 | 75833 | 10 |
| **28 oo** | 58175 | 82365 | 17635 | 75810 | **72 oo** |
| 10 | 58382 | 82594 | 17406 | 75788 | 90 |
| 20 | 58589 | 82824 | 17176 | 75765 | 80 |
| 30 | 58796 | 83053 | 16947 | 75743 | 70 |
| 40 | 59003 | 83282 | 16718 | 75720 | 60 |
| 50 | 59209 | 83512 | 16488 | 75698 | 50 |
| 60 | 59416 | 83741 | 16259 | 75675 | 40 |
| 70 | 59623 | 83970 | 16030 | 75653 | 30 |
| 80 | 59830 | 84199 | 15801 | 75630 | 20 |
| 90 | 60037 | 84429 | 15571 | 75608 | 10 |
| **29 oo** | 60243 | 84658 | 15342 | 75585 | **71 oo** |
| 10 | 60450 | 84887 | 15113 | 75563 | 90 |
| 20 | 60657 | 85116 | 14884 | 75540 | 80 |
| 30 | 60864 | 85346 | 14654 | 75518 | 70 |
| 40 | 61070 | 85575 | 14425 | 75495 | 60 |
| 50 | 61277 | 85804 | 14196 | 75473 | 50 |
| 60 | 61484 | 86033 | 13967 | 75450 | 40 |
| 70 | 61690 | 86263 | 13737 | 75428 | 30 |
| 80 | 61897 | 86492 | 13508 | 75405 | 20 |
| 90 | 62104 | 86721 | 13279 | 75383 | 10 |
| **30 oo** | 62310 | 86950 | 13050 | 75360 | **70 oo** |
| | **9.49** | **9.51** | **0.48** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 79g |
| | 206 | 229 | 229 | 23 | |

| | 231 | 230 | 229 | 208 | 207 | 206 | 23 | 22 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23,1 | 23,0 | 22,9 | 20,8 | 20,7 | 20,6 | 2,3 | 2,2 | 1 |
| 2 | 46,2 | 46,0 | 45,8 | 41,6 | 41,4 | 41,2 | 4,6 | 4,4 | 2 |
| 3 | 69,3 | 69,0 | 68,7 | 62,4 | 62,1 | 61,8 | 6,9 | 6,6 | 3 |
| 4 | 92,4 | 92,0 | 91,6 | 83,2 | 82,8 | 82,4 | 9,2 | 8,8 | 4 |
| 5 | 115,5 | 115,0 | 114,5 | 104,0 | 103,5 | 103,0 | 11,5 | 11,0 | 5 |
| 6 | 138,6 | 138,0 | 137,4 | 124,8 | 124,2 | 123,6 | 13,8 | 13,2 | 6 |
| 7 | 161,7 | 161,0 | 160,3 | 145,6 | 144,9 | 144,2 | 16,1 | 15,4 | 7 |
| 8 | 184,8 | 184,0 | 183,2 | 166,4 | 165,6 | 164,8 | 18,4 | 17,6 | 8 |
| 9 | 207,9 | 207,0 | 206,1 | 187,2 | 186,3 | 185,4 | 20,7 | 19,8 | 9 |

| $20^g$ | 207 | 230 | 230 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.49** | **9.51** | **0.48** | **9.97** | |
| **30 oo** | 62310 | 86950 | 13050 | 75360 | **70 oo** |
| 10 | 62517 | 87179 | 12821 | 75338 | 90 |
| 20 | 62724 | 87408 | 12592 | 75315 | 80 |
| 30 | 62930 | 87638 | 12362 | 75293 | 70 |
| 40 | 63137 | 87867 | 12133 | 75270 | 60 |
| 50 | 63343 | 88096 | 11904 | 75248 | 50 |
| 60 | 63550 | 88325 | 11675 | 75225 | 40 |
| 70 | 63756 | 88554 | 11446 | 75203 | 30 |
| 80 | 63963 | 88783 | 11217 | 75180 | 20 |
| 90 | 64170 | 89012 | 10988 | 75157 | 10 |
| **31 oo** | 64376 | 89241 | 10759 | 75135 | **69 oo** |
| 10 | 64583 | 89470 | 10530 | 75112 | 90 |
| 20 | 64789 | 89699 | 10301 | 75090 | 80 |
| 30 | 64996 | 89928 | 10072 | 75067 | 70 |
| 40 | 65202 | 90157 | 09843 | 75045 | 60 |
| 50 | 65409 | 90386 | 09614 | 75022 | 50 |
| 60 | 65615 | 90615 | 09385 | 75000 | 40 |
| 70 | 65822 | 90844 | 09156 | 74977 | 30 |
| 80 | 66028 | 91073 | 08927 | 74955 | 20 |
| 90 | 66234 | 91302 | 08698 | 74932 | 10 |
| **32 oo** | 66441 | 91531 | 08469 | 74910 | **68 oo** |
| 10 | 66647 | 91760 | 08240 | 74887 | 90 |
| 20 | 66854 | 91989 | 08011 | 74864 | 80 |
| 30 | 67060 | 92218 | 07782 | 74842 | 70 |
| 40 | 67266 | 92447 | 07553 | 74819 | 60 |
| 50 | 67473 | 92676 | 07324 | 74797 | 50 |
| 60 | 67679 | 92905 | 07095 | 74774 | 40 |
| 70 | 67886 | 93134 | 06866 | 74752 | 30 |
| 80 | 68092 | 93363 | 06637 | 74729 | 20 |
| 90 | 68298 | 93592 | 06408 | 74707 | 10 |
| **33 oo** | 68504 | 93820 | 06180 | 74684 | **67 oo** |
| 10 | 68711 | 94049 | 05951 | 74661 | 90 |
| 20 | 68917 | 94278 | 05722 | 74639 | 80 |
| 30 | 69123 | 94507 | 05493 | 74616 | 70 |
| 40 | 69330 | 94736 | 05264 | 74594 | 60 |
| 50 | 69536 | 94965 | 05035 | 74571 | 50 |
| 60 | 69742 | 95194 | 04806 | 74549 | 40 |
| 70 | 69948 | 95422 | 04578 | 74526 | 30 |
| 80 | 70155 | 95651 | 04349 | 74504 | 20 |
| 90 | 70361 | 95880 | 04120 | 74481 | 10 |
| **34 oo** | 70567 | 96109 | 03891 | 74458 | **66 oo** |
| 10 | 70773 | 96337 | 03663 | 74436 | 90 |
| 20 | 70979 | 96566 | 03434 | 74413 | 80 |
| 30 | 71186 | 96795 | 03205 | 74391 | 70 |
| 40 | 71392 | 97024 | 02976 | 74368 | 60 |
| 50 | 71598 | 97252 | 02748 | 74346 | 50 |
| 60 | 71804 | 97481 | 02519 | 74323 | 40 |
| 70 | 72010 | 97710 | 02290 | 74300 | 30 |
| 80 | 72216 | 97939 | 02061 | 74278 | 20 |
| 90 | 72422 | 98167 | 01833 | 74255 | 10 |
| **35 oo** | 72629 | 98396 | 01604 | 74233 | **65 oo** |
| | **9.49** | **9.51** | **0.48** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | $79^g$ |
| | 206 | 228 | 228 | 23 | |

| $20^g$ | 206 | 229 | 229 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.49** | ***9.51** | ***0.48** | **9.97** | |
| **35 oo** | 72629 | *98396 | *01604 | 74233 | **65 oo** |
| 10 | 72835 | *98625 | *01375 | 74210 | 90 |
| 20 | 73041 | *98853 | *01147 | 74187 | 80 |
| 30 | 73247 | *99082 | *00918 | 74165 | 70 |
| 40 | 73453 | *99311 | *00689 | 74142 | 60 |
| 50 | 73659 | *99539 | *00461 | 74120 | 50 |
| 60 | 73865 | *99768 | *00232 | 74097 | 40 |
| 70 | 74071 | *99996 | *00004 | 74075 | 30 |
| 80 | 74277 | 00225 | 99775 | 74052 | 20 |
| 90 | 74483 | 00454 | 99546 | 74029 | 10 |
| **36 oo** | 74689 | 00682 | 99318 | 74007 | **64 oo** |
| 10 | 74895 | 00911 | 99089 | 73984 | 90 |
| 20 | 75101 | 01139 | 98861 | 73962 | 80 |
| 30 | 75307 | 01368 | 98632 | 73939 | 70 |
| 40 | 75513 | 01596 | 98404 | 73916 | 60 |
| 50 | 75719 | 01825 | 98175 | 73894 | 50 |
| 60 | 75925 | 02053 | 97947 | 73871 | 40 |
| 70 | 76131 | 02282 | 97718 | 73849 | 30 |
| 80 | 76336 | 02510 | 97490 | 73826 | 20 |
| 90 | 76542 | 02739 | 97261 | 73803 | 10 |
| **37 oo** | 76748 | 02967 | 97033 | 73781 | **63 oo** |
| 10 | 76954 | 03196 | 96804 | 73758 | 90 |
| 20 | 77160 | 03424 | 96576 | 73736 | 80 |
| 30 | 77366 | 03653 | 96347 | 73713 | 70 |
| 40 | 77572 | 03881 | 96119 | 73690 | 60 |
| 50 | 77777 | 04110 | 95890 | 73668 | 50 |
| 60 | 77983 | 04338 | 95662 | 73645 | 40 |
| 70 | 78189 | 04567 | 95433 | 73623 | 30 |
| 80 | 78395 | 04795 | 95205 | 73600 | 20 |
| 90 | 78601 | 05023 | 94977 | 73577 | 10 |
| **38 oo** | 78806 | 05252 | 94748 | 73555 | **62 oo** |
| 10 | 79012 | 05480 | 94520 | 73532 | 90 |
| 20 | 79218 | 05709 | 94291 | 73509 | 80 |
| 30 | 79424 | 05937 | 94063 | 73487 | 70 |
| 40 | 79629 | 06165 | 93835 | 73464 | 60 |
| 50 | 79835 | 06394 | 93606 | 73442 | 50 |
| 60 | 80041 | 06622 | 93378 | 73419 | 40 |
| 70 | 80247 | 06850 | 93150 | 73396 | 30 |
| 80 | 80452 | 07079 | 92921 | 73374 | 20 |
| 90 | 80658 | 07307 | 92693 | 73351 | 10 |
| **39 oo** | 80864 | 07535 | 92465 | 73328 | **61 oo** |
| 10 | 81069 | 07763 | 92237 | 73306 | 90 |
| 20 | 81275 | 07992 | 92008 | 73283 | 80 |
| 30 | 81481 | 08220 | 91780 | 73261 | 70 |
| 40 | 81686 | 08448 | 91552 | 73238 | 60 |
| 50 | 81892 | 08677 | 91323 | 73215 | 50 |
| 60 | 82097 | 08905 | 91095 | 73193 | 40 |
| 70 | 82303 | 09133 | 90867 | 73170 | 30 |
| 80 | 82509 | 09361 | 90639 | 73147 | 20 |
| 90 | 82714 | 09589 | 90411 | 73125 | 10 |
| **40 oo** | 82920 | 09818 | 90182 | 73102 | **60 oo** |
| | **9.49** | **9.52** | **0.47** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | $79^g$ |
| | 205 | 228 | 228 | 23 | |

| | 230 | 229 | 228 | 207 | 206 | 205 | 23 | 22 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23,0 | 22,9 | 22,8 | 20,7 | 20,6 | 20,5 | 2,3 | 2,2 | 1 |
| 2 | 46,0 | 45,8 | 45,6 | 41,4 | 41,2 | 41,0 | 4,6 | 4,4 | 2 |
| 3 | 69,0 | 68,7 | 68,4 | 62,1 | 61,8 | 61,5 | 6,9 | 6,6 | 3 |
| 4 | 92,0 | 91,6 | 91,2 | 82,8 | 82,4 | 82,0 | 9,2 | 8,8 | 4 |
| 5 | 115,0 | 114,5 | 114,0 | 103,5 | 103,0 | 102,5 | 11,5 | 11,0 | 5 |
| 6 | 138,0 | 137,4 | 136,8 | 124,2 | 123,6 | 123,0 | 13,8 | 13,2 | 6 |
| 7 | 161,0 | 160,3 | 159,6 | 144,9 | 144,2 | 143,5 | 16,1 | 15,4 | 7 |
| 8 | 184,0 | 183,2 | 182,4 | 165,6 | 164,8 | 164,0 | 18,4 | 17,6 | 8 |
| 9 | 207,0 | 206,1 | 205,2 | 186,3 | 185,4 | 184,5 | 20,7 | 19,8 | 9 |

| 20g | 206 | 229 | 229 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.49** | **9.52** | **0.47** | **9.97** | |
| **40 oo** | 82920 | 09818 | 90182 | 73102 | **60 oo** |
| 10 | 83125 | 10046 | 89954 | 73079 | 90 |
| 20 | 83331 | 10274 | 89726 | 73057 | 80 |
| 30 | 83536 | 10502 | 89498 | 73034 | 70 |
| 40 | 83742 | 10730 | 89270 | 73012 | 60 |
| 50 | 83947 | 10958 | 89042 | 72989 | 50 |
| 60 | 84153 | 11187 | 88813 | 72966 | 40 |
| 70 | 84358 | 11415 | 88585 | 72944 | 30 |
| 80 | 84564 | 11643 | 88357 | 72921 | 20 |
| 90 | 84769 | 11871 | 88129 | 72898 | 10 |
| **41 oo** | 84975 | 12099 | 87901 | 72876 | **59 oo** |
| 10 | 85180 | 12327 | 87673 | 72853 | 90 |
| 20 | 85386 | 12555 | 87445 | 72830 | 80 |
| 30 | 85591 | 12783 | 87217 | 72808 | 70 |
| 40 | 85796 | 13011 | 86989 | 72785 | 60 |
| 50 | 86002 | 13239 | 86761 | 72762 | 50 |
| 60 | 86207 | 13467 | 86533 | 72740 | 40 |
| 70 | 86413 | 13695 | 86305 | 72717 | 30 |
| 80 | 86618 | 13923 | 86077 | 72694 | 20 |
| 90 | 86823 | 14152 | 85848 | 72672 | 10 |
| **42 oo** | 87029 | 14380 | 85620 | 72649 | **58 oo** |
| 10 | 87234 | 14608 | 85392 | 72626 | 90 |
| 20 | 87439 | 14836 | 85164 | 72604 | 80 |
| 30 | 87645 | 15063 | 84937 | 72581 | 70 |
| 40 | 87850 | 15291 | 84709 | 72558 | 60 |
| 50 | 88055 | 15519 | 84481 | 72536 | 50 |
| 60 | 88260 | 15747 | 84253 | 72513 | 40 |
| 70 | 88466 | 15975 | 84025 | 72490 | 30 |
| 80 | 88671 | 16203 | 83797 | 72468 | 20 |
| 90 | 88876 | 16431 | 83569 | 72445 | 10 |
| **43 oo** | 89081 | 16659 | 83341 | 72422 | **57 oo** |
| 10 | 89287 | 16887 | 83113 | 72400 | 90 |
| 20 | 89492 | 17115 | 82885 | 72377 | 80 |
| 30 | 89697 | 17343 | 82657 | 72354 | 70 |
| 40 | 89902 | 17571 | 82429 | 72332 | 60 |
| 50 | 90107 | 17798 | 82202 | 72309 | 50 |
| 60 | 90313 | 18026 | 81974 | 72286 | 40 |
| 70 | 90518 | 18254 | 81746 | 72264 | 30 |
| 80 | 90723 | 18482 | 81518 | 72241 | 20 |
| 90 | 90928 | 18710 | 81290 | 72218 | 10 |
| **44 oo** | 91133 | 18938 | 81062 | 72196 | **56 oo** |
| 10 | 91338 | 19165 | 80835 | 72173 | 90 |
| 20 | 91543 | 19393 | 80607 | 72150 | 80 |
| 30 | 91748 | 19621 | 80379 | 72127 | 70 |
| 40 | 91954 | 19849 | 80151 | 72105 | 60 |
| 50 | 92159 | 20077 | 79923 | 72082 | 50 |
| 60 | 92364 | 20304 | 79696 | 72059 | 40 |
| 70 | 92569 | 20532 | 79468 | 72037 | 30 |
| 80 | 92774 | 20760 | 79240 | 72014 | 20 |
| 90 | 92979 | 20988 | 79012 | 71991 | 10 |
| **45 oo** | 93184 | 21215 | 78785 | 71969 | **55 oo** |
| | **9.49** | **9.52** | **0.47** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **79g** |
| | 205 | 227 | 227 | 23 | |

| 20g | 205 | 228 | 228 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.49** | **9.52** | **0.47** | **9.97** | |
| **45 oo** | 93184 | 21215 | 78785 | 71969 | **55 oo** |
| 10 | 93389 | 21443 | 78557 | 71946 | 90 |
| 20 | 93594 | 21671 | 78329 | 71923 | 80 |
| 30 | 93799 | 21898 | 78102 | 71900 | 70 |
| 40 | 94004 | 22126 | 77874 | 71878 | 60 |
| 50 | 94209 | 22354 | 77646 | 71855 | 50 |
| 60 | 94414 | 22581 | 77419 | 71832 | 40 |
| 70 | 94619 | 22809 | 77191 | 71810 | 30 |
| 80 | 94824 | 23037 | 76963 | 71787 | 20 |
| 90 | 95029 | 23264 | 76736 | 71764 | 10 |
| **46 oo** | 95233 | 23492 | 76508 | 71742 | **54 oo** |
| 10 | 95438 | 23720 | 76280 | 71719 | 90 |
| 20 | 95643 | 23947 | 76053 | 71696 | 80 |
| 30 | 95848 | 24175 | 75825 | 71673 | 70 |
| 40 | 96053 | 24402 | 75598 | 71651 | 60 |
| 50 | 96258 | 24630 | 75370 | 71628 | 50 |
| 60 | 96463 | 24857 | 75143 | 71605 | 40 |
| 70 | 96667 | 25085 | 74915 | 71583 | 30 |
| 80 | 96872 | 25313 | 74687 | 71560 | 20 |
| 90 | 97077 | 25540 | 74460 | 71537 | 10 |
| **47 oo** | 97282 | 25768 | 74232 | 71514 | **53 oo** |
| 10 | 97487 | 25995 | 74005 | 71492 | 90 |
| 20 | 97692 | 26223 | 73777 | 71469 | 80 |
| 30 | 97896 | 26450 | 73550 | 71446 | 70 |
| 40 | 98101 | 26678 | 73322 | 71423 | 60 |
| 50 | 98306 | 26905 | 73095 | 71401 | 50 |
| 60 | 98511 | 27133 | 72867 | 71378 | 40 |
| 70 | 98715 | 27360 | 72640 | 71355 | 30 |
| 80 | 98920 | 27587 | 72413 | 71333 | 20 |
| 90 | 99125 | 27815 | 72185 | 71310 | 10 |
| **48 oo** | 99329 | 28042 | 71958 | 71287 | **52 oo** |
| 10 | 99534 | 28270 | 71730 | 71264 | 90 |
| 20 | 99739 | 28497 | 71503 | 71242 | 80 |
| 30 | 99943 | 28725 | 71275 | 71219 | 70 |
| 40 | *00148 | 28952 | 71048 | 71196 | 60 |
| 50 | *00353 | 29179 | 70821 | 71173 | 50 |
| 60 | *00557 | 29407 | 70593 | 71151 | 40 |
| 70 | *00762 | 29634 | 70366 | 71128 | 30 |
| 80 | *00967 | 29861 | 70139 | 71105 | 20 |
| 90 | *01171 | 30089 | 69911 | 71082 | 10 |
| **49 oo** | *01376 | 30316 | 69684 | 71060 | **51 oo** |
| 10 | *01580 | 30543 | 69457 | 71037 | 90 |
| 20 | *01785 | 30771 | 69229 | 71014 | 80 |
| 30 | *01989 | 30998 | 69002 | 70991 | 70 |
| 40 | *02194 | 31225 | 68775 | 70969 | 60 |
| 50 | *02399 | 31453 | 68547 | 70946 | 50 |
| 60 | *02603 | 31680 | 68320 | 70923 | 40 |
| 70 | *02808 | 31907 | 68093 | 70900 | 30 |
| 80 | *03012 | 32134 | 67866 | 70878 | 20 |
| 90 | *03217 | 32362 | 67638 | 70855 | 10 |
| **50 oo** | *03421 | 32589 | 67411 | 70832 | **50 oo** |
| | ***9.50** | **9.52** | **0.47** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **79g** |
| | 204 | 227 | 227 | 23 | |

| | 229 | 228 | 227 | 206 | 205 | 204 | 23 | 22 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22,9 | 22,8 | 22,7 | 20,6 | 20,5 | 20,4 | 2,3 | 2,2 | 1 |
| 2 | 45,8 | 45,6 | 45,4 | 41,2 | 41,0 | 40,8 | 4,6 | 4,4 | 2 |
| 3 | 68,7 | 68,4 | 68,1 | 61,8 | 61,5 | 61,2 | 6,9 | 6,6 | 3 |
| 4 | 91,6 | 91,2 | 90,8 | 82,4 | 82,0 | 81,6 | 9,2 | 8,8 | 4 |
| 5 | 114,5 | 114,0 | 113,5 | 103,0 | 102,5 | 102,0 | 11,5 | 11,0 | 5 |
| 6 | 137,4 | 136,8 | 136,2 | 123,6 | 123,0 | 122,4 | 13,8 | 13,2 | 6 |
| 7 | 160,3 | 159,6 | 158,9 | 144,2 | 143,5 | 142,8 | 16,1 | 15,4 | 7 |
| 8 | 183,2 | 182,4 | 181,6 | 164,8 | 164,0 | 163,2 | 18,4 | 17,6 | 8 |
| 9 | 206,1 | 205,2 | 204,3 | 185,4 | 184,5 | 183,6 | 20,7 | 19,8 | 9 |

| 20g | 205 | 228 | 228 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.50** | **9.52** | **0.47** | **9.97** | |
| **50 oo** | 03421 | 32589 | 67411 | 70832 | **50 oo** |
| 10 | 03626 | 32816 | 67184 | 70809 | 90 |
| 20 | 03830 | 33043 | 66957 | 70787 | 80 |
| 30 | 04034 | 33271 | 66729 | 70764 | 70 |
| 40 | 04239 | 33498 | 66502 | 70741 | 60 |
| 50 | 04443 | 33725 | 66275 | 70718 | 50 |
| 60 | 04648 | 33952 | 66048 | 70696 | 40 |
| 70 | 04852 | 34179 | 65821 | 70673 | 30 |
| 80 | 05057 | 34407 | 65593 | 70650 | 20 |
| 90 | 05261 | 34634 | 65366 | 70627 | 10 |
| **51 oo** | 05465 | 34861 | 65139 | 70604 | **49 oo** |
| 10 | 05670 | 35088 | 64912 | 70582 | 90 |
| 20 | 05874 | 35315 | 64685 | 70559 | 80 |
| 30 | 06078 | 35542 | 64458 | 70536 | 70 |
| 40 | 06283 | 35769 | 64231 | 70513 | 60 |
| 50 | 06487 | 35996 | 64004 | 70491 | 50 |
| 60 | 06691 | 36224 | 63776 | 70468 | 40 |
| 70 | 06896 | 36451 | 63549 | 70445 | 30 |
| 80 | 07100 | 36678 | 63322 | 70422 | 20 |
| 90 | 07304 | 36905 | 63095 | 70399 | 10 |
| **52 oo** | 07508 | 37132 | 62868 | 70377 | **48 oo** |
| 10 | 07713 | 37359 | 62641 | 70354 | 90 |
| 20 | 07917 | 37586 | 62414 | 70331 | 80 |
| 30 | 08121 | 37813 | 62187 | 70308 | 70 |
| 40 | 08325 | 38040 | 61960 | 70286 | 60 |
| 50 | 08530 | 38267 | 61733 | 70263 | 50 |
| 60 | 08734 | 38494 | 61506 | 70240 | 40 |
| 70 | 08938 | 38721 | 61279 | 70217 | 30 |
| 80 | 09142 | 38948 | 61052 | 70194 | 20 |
| 90 | 09346 | 39175 | 60825 | 70172 | 10 |
| **53 oo** | 09551 | 39402 | 60598 | 70149 | **47 oo** |
| 10 | 09755 | 39629 | 60371 | 70126 | 90 |
| 20 | 09959 | 39856 | 60144 | 70103 | 80 |
| 30 | 10163 | 40083 | 59917 | 70080 | 70 |
| 40 | 10367 | 40310 | 59690 | 70058 | 60 |
| 50 | 10571 | 40536 | 59464 | 70035 | 50 |
| 60 | 10775 | 40763 | 59237 | 70012 | 40 |
| 70 | 10979 | 40990 | 59010 | 69989 | 30 |
| 80 | 11184 | 41217 | 58783 | 69966 | 20 |
| 90 | 11388 | 41444 | 58556 | 69944 | 10 |
| **54 oo** | 11592 | 41671 | 58329 | 69921 | **46 oo** |
| 10 | 11796 | 41898 | 58102 | 69898 | 90 |
| 20 | 12000 | 42125 | 57875 | 69875 | 80 |
| 30 | 12204 | 42351 | 57649 | 69852 | 70 |
| 40 | 12408 | 42578 | 57422 | 69830 | 60 |
| 50 | 12612 | 42805 | 57195 | 69807 | 50 |
| 60 | 12816 | 43032 | 56968 | 69784 | 40 |
| 70 | 13020 | 43259 | 56741 | 69761 | 30 |
| 80 | 13224 | 43485 | 56515 | 69738 | 20 |
| 90 | 13428 | 43712 | 56288 | 69715 | 10 |
| **55 oo** | 13632 | 43939 | 56061 | 69693 | **45 oo** |
| | **9.50** | **9.52** | **0.47** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **79g** |
| | 204 | 226 | 226 | 23 | |

| 20g | 204 | 227 | 227 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.50** | **9.52** | **0.47** | **9.97** | |
| **55 oo** | 13632 | 43939 | 56061 | 69693 | **45 oo** |
| 10 | 13836 | 44166 | 55834 | 69670 | 90 |
| 20 | 14039 | 44392 | 55608 | 69647 | 80 |
| 30 | 14243 | 44619 | 55381 | 69624 | 70 |
| 40 | 14447 | 44846 | 55154 | 69601 | 60 |
| 50 | 14651 | 45073 | 54927 | 69579 | 50 |
| 60 | 14855 | 45299 | 54701 | 69556 | 40 |
| 70 | 15059 | 45526 | 54474 | 69533 | 30 |
| 80 | 15263 | 45753 | 54247 | 69510 | 20 |
| 90 | 15467 | 45979 | 54021 | 69487 | 10 |
| **56 oo** | 15671 | 46206 | 53794 | 69464 | **44 oo** |
| 10 | 15874 | 46433 | 53567 | 69442 | 90 |
| 20 | 16078 | 46659 | 53341 | 69419 | 80 |
| 30 | 16282 | 46886 | 53114 | 69396 | 70 |
| 40 | 16486 | 47113 | 52887 | 69373 | 60 |
| 50 | 16690 | 47339 | 52661 | 69350 | 50 |
| 60 | 16893 | 47566 | 52434 | 69327 | 40 |
| 70 | 17097 | 47793 | 52207 | 69305 | 30 |
| 80 | 17301 | 48019 | 51981 | 69282 | 20 |
| 90 | 17505 | 48246 | 51754 | 69259 | 10 |
| **57 oo** | 17708 | 48472 | 51528 | 69236 | **43 oo** |
| 10 | 17912 | 48699 | 51301 | 69213 | 90 |
| 20 | 18116 | 48925 | 51075 | 69190 | 80 |
| 30 | 18319 | 49152 | 50848 | 69167 | 70 |
| 40 | 18523 | 49379 | 50621 | 69145 | 60 |
| 50 | 18727 | 49605 | 50395 | 69122 | 50 |
| 60 | 18931 | 49832 | 50168 | 69099 | 40 |
| 70 | 19134 | 50058 | 49942 | 69076 | 30 |
| 80 | 19338 | 50285 | 49715 | 69053 | 20 |
| 90 | 19541 | 50511 | 49489 | 69030 | 10 |
| **58 oo** | 19745 | 50738 | 49262 | 69008 | **42 oo** |
| 10 | 19949 | 50964 | 49036 | 68985 | 90 |
| 20 | 20152 | 51191 | 48809 | 68962 | 80 |
| 30 | 20356 | 51417 | 48583 | 68939 | 70 |
| 40 | 20560 | 51643 | 48357 | 68916 | 60 |
| 50 | 20763 | 51870 | 48130 | 68893 | 50 |
| 60 | 20967 | 52096 | 47904 | 68870 | 40 |
| 70 | 21170 | 52323 | 47677 | 68848 | 30 |
| 80 | 21374 | 52549 | 47451 | 68825 | 20 |
| 90 | 21577 | 52776 | 47224 | 68802 | 10 |
| **59 oo** | 21781 | 53002 | 46998 | 68779 | **41 oo** |
| 10 | 21984 | 53228 | 46772 | 68756 | 90 |
| 20 | 22188 | 53455 | 46545 | 68733 | 80 |
| 30 | 22391 | 53681 | 46319 | 68710 | 70 |
| 40 | 22595 | 53907 | 46093 | 68687 | 60 |
| 50 | 22798 | 54134 | 45866 | 68665 | 50 |
| 60 | 23002 | 54360 | 45640 | 68642 | 40 |
| 70 | 23205 | 54586 | 45414 | 68619 | 30 |
| 80 | 23409 | 54813 | 45187 | 68596 | 20 |
| 90 | 23612 | 55039 | 44961 | 68573 | 10 |
| **60 oo** | 23815 | 55265 | 44735 | 68550 | **40 oo** |
| | **9.50** | **9.52** | **0.47** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **79g** |
| | 203 | 226 | 226 | 23 | |

| | 228 | 227 | 226 | 205 | 204 | 203 | 23 | 22 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22,8 | 22,7 | 22,6 | 20,5 | 20,4 | 20,3 | 2,3 | 2,2 | 1 |
| 2 | 45,6 | 45,4 | 45,2 | 41,0 | 40,8 | 40,6 | 4,6 | 4,4 | 2 |
| 3 | 68,4 | 68,1 | 67,8 | 61,5 | 61,2 | 60,9 | 6,9 | 6,6 | 3 |
| 4 | 91,2 | 90,8 | 90,4 | 82,0 | 81,6 | 81,2 | 9,2 | 8,8 | 4 |
| 5 | 114,0 | 113,5 | 113,0 | 102,5 | 102,0 | 101,5 | 11,5 | 11,0 | 5 |
| 6 | 136,8 | 136,2 | 135,6 | 123,0 | 122,4 | 121,8 | 13,8 | 13,2 | 6 |
| 7 | 159,6 | 158,9 | 158,2 | 143,5 | 142,8 | 142,1 | 16,1 | 15,4 | 7 |
| 8 | 182,4 | 181,6 | 180,8 | 164,0 | 163,2 | 162,4 | 18,4 | 17,6 | 8 |
| 9 | 205,2 | 204,3 | 203,4 | 184,5 | 183,6 | 182,7 | 20,7 | 19,8 | 9 |

| $20^g$ | 204 | 227 | 227 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.50** | **9.52** | **0.47** | **9.97** | |
| **60 oo** | 23815 | 55265 | 44735 | 68550 | **40 oo** |
| 10 | 24019 | 55492 | 44508 | 68527 | 90 |
| 20 | 24222 | 55718 | 44282 | 68504 | 80 |
| 30 | 24426 | 55944 | 44056 | 68482 | 70 |
| 40 | 24629 | 56170 | 43830 | 68459 | 60 |
| 50 | 24832 | 56397 | 43603 | 68436 | 50 |
| 60 | 25036 | 56623 | 43377 | 68413 | 40 |
| 70 | 25239 | 56849 | 43151 | 68390 | 30 |
| 80 | 25442 | 57075 | 42925 | 68367 | 20 |
| 90 | 25646 | 57302 | 42698 | 68344 | 10 |
| **61 oo** | 25849 | 57528 | 42472 | 68321 | **39 oo** |
| 10 | 26052 | 57754 | 42246 | 68298 | 90 |
| 20 | 26256 | 57980 | 42020 | 68276 | 80 |
| 30 | 26459 | 58206 | 41794 | 68253 | 70 |
| 40 | 26662 | 58432 | 41568 | 68230 | 60 |
| 50 | 26865 | 58659 | 41341 | 68207 | 50 |
| 60 | 27069 | 58885 | 41115 | 68184 | 40 |
| 70 | 27272 | 59111 | 40889 | 68161 | 30 |
| 80 | 27475 | 59337 | 40663 | 68138 | 20 |
| 90 | 27678 | 59563 | 40437 | 68115 | 10 |
| **62 oo** | 27882 | 59789 | 40211 | 68092 | **38 oo** |
| 10 | 28085 | 60015 | 39985 | 68069 | 90 |
| 20 | 28288 | 60241 | 39759 | 68047 | 80 |
| 30 | 28491 | 60468 | 39532 | 68024 | 70 |
| 40 | 28694 | 60694 | 39306 | 68001 | 60 |
| 50 | 28897 | 60920 | 39080 | 67978 | 50 |
| 60 | 29101 | 61146 | 38854 | 67955 | 40 |
| 70 | 29304 | 61372 | 38628 | 67932 | 30 |
| 80 | 29507 | 61598 | 38402 | 67909 | 20 |
| 90 | 29710 | 61824 | 38176 | 67886 | 10 |
| **63 oo** | 29913 | 62050 | 37950 | 67863 | **37 oo** |
| 10 | 30116 | 62276 | 37724 | 67840 | 90 |
| 20 | 30319 | 62502 | 37498 | 67817 | 80 |
| 30 | 30522 | 62728 | 37272 | 67795 | 70 |
| 40 | 30725 | 62954 | 37046 | 67772 | 60 |
| 50 | 30928 | 63180 | 36820 | 67749 | 50 |
| 60 | 31131 | 63406 | 36594 | 67726 | 40 |
| 70 | 31335 | 63632 | 36368 | 67703 | 30 |
| 80 | 31538 | 63858 | 36142 | 67680 | 20 |
| 90 | 31741 | 64084 | 35916 | 67657 | 10 |
| **64 oo** | 31944 | 64309 | 35691 | 67634 | **36 oo** |
| 10 | 32147 | 64535 | 35465 | 67611 | 90 |
| 20 | 32349 | 64761 | 35239 | 67588 | 80 |
| 30 | 32552 | 64987 | 35013 | 67565 | 70 |
| 40 | 32755 | 65213 | 34787 | 67542 | 60 |
| 50 | 32958 | 65439 | 34561 | 67519 | 50 |
| 60 | 33161 | 65665 | 34335 | 67497 | 40 |
| 70 | 33364 | 65891 | 34109 | 67474 | 30 |
| 80 | 33567 | 66116 | 33884 | 67451 | 20 |
| 90 | 33770 | 66342 | 33658 | 67428 | 10 |
| **65 oo** | 33973 | 66568 | 33432 | 67405 | **35 oo** |
| | **9.50** | **9.52** | **0.47** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | $79^g$ |
| | 202 | 225 | 225 | 23 | |

| $20^g$ | 203 | 226 | 226 | 22 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.50** | **9.52** | **0.47** | **9.97** | |
| **65 oo** | 33973 | 66568 | 33432 | 67405 | **35 oo** |
| 10 | 34176 | 66794 | 33206 | 67382 | 90 |
| 20 | 34379 | 67020 | 32980 | 67359 | 80 |
| 30 | 34581 | 67246 | 32754 | 67336 | 70 |
| 40 | 34784 | 67471 | 32529 | 67313 | 60 |
| 50 | 34987 | 67697 | 32303 | 67290 | 50 |
| 60 | 35190 | 67923 | 32077 | 67267 | 40 |
| 70 | 35393 | 68149 | 31851 | 67244 | 30 |
| 80 | 35596 | 68374 | 31626 | 67221 | 20 |
| 90 | 35798 | 68600 | 31400 | 67198 | 10 |
| **66 oo** | 36001 | 68826 | 31174 | 67175 | **34 oo** |
| 10 | 36204 | 69052 | 30948 | 67152 | 90 |
| 20 | 36407 | 69277 | 30723 | 67129 | 80 |
| 30 | 36609 | 69503 | 30497 | 67106 | 70 |
| 40 | 36812 | 69729 | 30271 | 67084 | 60 |
| 50 | 37015 | 69954 | 30046 | 67061 | 50 |
| 60 | 37218 | 70180 | 29820 | 67038 | 40 |
| 70 | 37420 | 70406 | 29594 | 67015 | 30 |
| 80 | 37623 | 70631 | 29369 | 66992 | 20 |
| 90 | 37826 | 70857 | 29143 | 66969 | 10 |
| **67 oo** | 38028 | 71083 | 28917 | 66946 | **33 oo** |
| 10 | 38231 | 71308 | 28692 | 66923 | 90 |
| 20 | 38434 | 71534 | 28466 | 66900 | 80 |
| 30 | 38636 | 71760 | 28240 | 66877 | 70 |
| 40 | 38839 | 71985 | 28015 | 66854 | 60 |
| 50 | 39042 | 72211 | 27789 | 66831 | 50 |
| 60 | 39244 | 72436 | 27564 | 66808 | 40 |
| 70 | 39447 | 72662 | 27338 | 66785 | 30 |
| 80 | 39650 | 72887 | 27113 | 66762 | 20 |
| 90 | 39852 | 73113 | 26887 | 66739 | 10 |
| **68 oo** | 40055 | 73339 | 26661 | 66716 | **32 oo** |
| 10 | 40257 | 73564 | 26436 | 66693 | 90 |
| 20 | 40460 | 73790 | 26210 | 66670 | 80 |
| 30 | 40662 | 74015 | 25985 | 66647 | 70 |
| 40 | 40865 | 74241 | 25759 | 66624 | 60 |
| 50 | 41067 | 74466 | 25534 | 66601 | 50 |
| 60 | 41270 | 74692 | 25308 | 66578 | 40 |
| 70 | 41472 | 74917 | 25083 | 66555 | 30 |
| 80 | 41675 | 75143 | 24857 | 66532 | 20 |
| 90 | 41877 | 75368 | 24632 | 66509 | 10 |
| **69 oo** | 42080 | 75594 | 24406 | 66486 | **31 oo** |
| 10 | 42282 | 75819 | 24181 | 66463 | 90 |
| 20 | 42485 | 76044 | 23956 | 66440 | 80 |
| 30 | 42687 | 76270 | 23730 | 66417 | 70 |
| 40 | 42890 | 76495 | 23505 | 66394 | 60 |
| 50 | 43092 | 76721 | 23279 | 66371 | 50 |
| 60 | 43294 | 76946 | 23054 | 66348 | 40 |
| 70 | 43497 | 77171 | 22829 | 66325 | 30 |
| 80 | 43699 | 77397 | 22603 | 66302 | 20 |
| 90 | 43902 | 77622 | 22378 | 66279 | 10 |
| **70 oo** | 44104 | 77848 | 22152 | 66256 | **30 oo** |
| | **9.50** | **9.52** | **0.47** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | $79^g$ |
| | 202 | 225 | 225 | 23 | |

| | 227 | 226 | 225 | 204 | 203 | 202 | 23 | 22 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22,7 | 22,6 | 22,5 | 20,4 | 20,3 | 20,2 | 2,3 | 2,2 | 1 |
| 2 | 45,4 | 45,2 | 45,0 | 40,8 | 40,6 | 40,4 | 4,6 | 4,4 | 2 |
| 3 | 68,1 | 67,8 | 67,5 | 61,2 | 60,9 | 60,6 | 6,9 | 6,6 | 3 |
| 4 | 90,8 | 90,4 | 90,0 | 81,6 | 81,2 | 80,8 | 9,2 | 8,8 | 4 |
| 5 | 113,5 | 113,0 | 112,5 | 102,0 | 101,5 | 101,0 | 11,5 | 11,0 | 5 |
| 6 | 136,2 | 135,6 | 135,0 | 122,4 | 121,8 | 121,2 | 13,8 | 13,2 | 6 |
| 7 | 158,9 | 158,2 | 157,5 | 142,8 | 142,1 | 141,4 | 16,1 | 15,4 | 7 |
| 8 | 181,6 | 180,8 | 180,0 | 163,2 | 162,4 | 161,6 | 18,4 | 17,6 | 8 |
| 9 | 204,3 | 203,4 | 202,5 | 183,6 | 182,7 | 181,8 | 20,7 | 19,8 | 9 |

| 20g | 203 | 226 | 226 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.50** | **9.52** | **0.47** | **9.97** | |
| **70 oo** | 44104 | 77848 | 22152 | 66256 | **30 oo** |
| 10 | 44306 | 78073 | 21927 | 66233 | 90 |
| 20 | 44509 | 78298 | 21702 | 66210 | 80 |
| 30 | 44711 | 78524 | 21476 | 66187 | 70 |
| 40 | 44913 | 78749 | 21251 | 66164 | 60 |
| 50 | 45116 | 78974 | 21026 | 66141 | 50 |
| 60 | 45318 | 79200 | 20800 | 66118 | 40 |
| 70 | 45520 | 79425 | 20575 | 66095 | 30 |
| 80 | 45722 | 79650 | 20350 | 66072 | 20 |
| 90 | 45925 | 79875 | 20125 | 66049 | 10 |
| **71 oo** | 46127 | 80101 | 19899 | 66026 | **29 oo** |
| 10 | 46329 | 80326 | 19674 | 66003 | 90 |
| 20 | 46531 | 80551 | 19449 | 65980 | 80 |
| 30 | 46734 | 80776 | 19224 | 65957 | 70 |
| 40 | 46936 | 81002 | 18998 | 65934 | 60 |
| 50 | 47138 | 81227 | 18773 | 65911 | 50 |
| 60 | 47340 | 81452 | 18548 | 65888 | 40 |
| 70 | 47542 | 81677 | 18323 | 65865 | 30 |
| 80 | 47745 | 81902 | 18098 | 65842 | 20 |
| 90 | 47947 | 82128 | 17872 | 65819 | 10 |
| **72 oo** | 48149 | 82353 | 17647 | 65796 | **28 oo** |
| 10 | 48351 | 82578 | 17422 | 65773 | 90 |
| 20 | 48553 | 82803 | 17197 | 65750 | 80 |
| 30 | 48755 | 83028 | 16972 | 65727 | 70 |
| 40 | 48957 | 83253 | 16747 | 65704 | 60 |
| 50 | 49160 | 83479 | 16521 | 65681 | 50 |
| 60 | 49362 | 83704 | 16296 | 65658 | 40 |
| 70 | 49564 | 83929 | 16071 | 65635 | 30 |
| 80 | 49766 | 84154 | 15846 | 65612 | 20 |
| 90 | 49968 | 84379 | 15621 | 65589 | 10 |
| **73 oo** | 50170 | 84604 | 15396 | 65566 | **27 oo** |
| 10 | 50372 | 84829 | 15171 | 65543 | 90 |
| 20 | 50574 | 85054 | 14946 | 65520 | 80 |
| 30 | 50776 | 85279 | 14721 | 65497 | 70 |
| 40 | 50978 | 85504 | 14496 | 65474 | 60 |
| 50 | 51180 | 85729 | 14271 | 65451 | 50 |
| 60 | 51382 | 85954 | 14046 | 65428 | 40 |
| 70 | 51584 | 86179 | 13821 | 65405 | 30 |
| 80 | 51786 | 86404 | 13596 | 65382 | 20 |
| 90 | 51988 | 86629 | 13371 | 65359 | 10 |
| **74 oo** | 52190 | 86854 | 13146 | 65335 | **26 oo** |
| 10 | 52392 | 87079 | 12921 | 65312 | 90 |
| 20 | 52594 | 87304 | 12696 | 65289 | 80 |
| 30 | 52796 | 87529 | 12471 | 65266 | 70 |
| 40 | 52997 | 87754 | 12246 | 65243 | 60 |
| 50 | 53199 | 87979 | 12021 | 65220 | 50 |
| 60 | 53401 | 88204 | 11796 | 65197 | 40 |
| 70 | 53603 | 88429 | 11571 | 65174 | 30 |
| 80 | 53805 | 88654 | 11346 | 65151 | 20 |
| 90 | 54007 | 88879 | 11121 | 65128 | 10 |
| **75 oo** | 54209 | 89104 | 10896 | 65105 | **25 oo** |
| | **9.50** | **9.52** | **0.47** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 79g |
| | 201 | 225 | 225 | 24 | |

| 20g | 202 | 225 | 225 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.50** | **9.52** | **0.47** | **9.97** | |
| **75 oo** | 54209 | 89104 | 10896 | 65105 | **25 oo** |
| 10 | 54411 | 89329 | 10671 | 65082 | 90 |
| 20 | 54612 | 89553 | 10447 | 65059 | 80 |
| 30 | 54814 | 89778 | 10222 | 65036 | 70 |
| 40 | 55016 | 90003 | 09997 | 65013 | 60 |
| 50 | 55218 | 90228 | 09772 | 64990 | 50 |
| 60 | 55420 | 90453 | 09547 | 64967 | 40 |
| 70 | 55621 | 90678 | 09322 | 64944 | 30 |
| 80 | 55823 | 90903 | 09097 | 64920 | 20 |
| 90 | 56025 | 91127 | 08873 | 64897 | 10 |
| **76 oo** | 56227 | 91352 | 08648 | 64874 | **24 oo** |
| 10 | 56428 | 91577 | 08423 | 64851 | 90 |
| 20 | 56630 | 91802 | 08198 | 64828 | 80 |
| 30 | 56832 | 92027 | 07973 | 64805 | 70 |
| 40 | 57033 | 92251 | 07749 | 64782 | 60 |
| 50 | 57235 | 92476 | 07524 | 64759 | 50 |
| 60 | 57437 | 92701 | 07299 | 64736 | 40 |
| 70 | 57638 | 92926 | 07074 | 64713 | 30 |
| 80 | 57840 | 93150 | 06850 | 64690 | 20 |
| 90 | 58042 | 93375 | 06625 | 64667 | 10 |
| **77 oo** | 58243 | 93600 | 06400 | 64644 | **23 oo** |
| 10 | 58445 | 93824 | 06176 | 64620 | 90 |
| 20 | 58647 | 94049 | 05951 | 64597 | 80 |
| 30 | 58848 | 94274 | 05726 | 64574 | 70 |
| 40 | 59050 | 94498 | 05502 | 64551 | 60 |
| 50 | 59251 | 94723 | 05277 | 64528 | 50 |
| 60 | 59453 | 94948 | 05052 | 64505 | 40 |
| 70 | 59654 | 95172 | 04828 | 64482 | 30 |
| 80 | 59856 | 95397 | 04603 | 64459 | 20 |
| 90 | 60057 | 95622 | 04378 | 64436 | 10 |
| **78 oo** | 60259 | 95846 | 04154 | 64413 | **22 oo** |
| 10 | 60461 | 96071 | 03929 | 64390 | 90 |
| 20 | 60662 | 96296 | 03704 | 64367 | 80 |
| 30 | 60864 | 96520 | 03480 | 64343 | 70 |
| 40 | 61065 | 96745 | 03255 | 64320 | 60 |
| 50 | 61266 | 96969 | 03031 | 64297 | 50 |
| 60 | 61468 | 97194 | 02806 | 64274 | 40 |
| 70 | 61669 | 97418 | 02582 | 64251 | 30 |
| 80 | 61871 | 97643 | 02357 | 64228 | 20 |
| 90 | 62072 | 97867 | 02133 | 64205 | 10 |
| **79 oo** | 62274 | 98092 | 01908 | 64182 | **21 oo** |
| 10 | 62475 | 98316 | 01684 | 64159 | 90 |
| 20 | 62676 | 98541 | 01459 | 64135 | 80 |
| 30 | 62878 | 98766 | 01234 | 64112 | 70 |
| 40 | 63079 | 98990 | 01010 | 64089 | 60 |
| 50 | 63281 | 99214 | 00786 | 64066 | 50 |
| 60 | 63482 | 99439 | 00561 | 64043 | 40 |
| 70 | 63683 | 99663 | 00337 | 64020 | 30 |
| 80 | 63885 | 99888 | 00112 | 63997 | 20 |
| 90 | 64086 | *00112 | *99888 | 63974 | 10 |
| **80 oo** | 64287 | *00337 | *99663 | 63951 | **20 oo** |
| | **9.50** | ***9.53** | ***0.46** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 79g |
| | 201 | 224 | 224 | 24 | |

| | 226 | 225 | 224 | 203 | 202 | 201 | 24 | 23 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22,6 | 22,5 | 22,4 | 20,3 | 20,2 | 20,1 | 2,4 | 2,3 | 1 |
| 2 | 45,2 | 45,0 | 44,8 | 40,6 | 40,4 | 40,2 | 4,8 | 4,6 | 2 |
| 3 | 67,8 | 67,5 | 67,2 | 60,9 | 60,6 | 60,3 | 7,2 | 6,9 | 3 |
| 4 | 90,4 | 90,0 | 89,6 | 81,2 | 80,8 | 80,4 | 9,6 | 9,2 | 4 |
| 5 | 113,0 | 112,5 | 112,0 | 101,5 | 101,0 | 100,5 | 12,0 | 11,5 | 5 |
| 6 | 135,6 | 135,0 | 134,4 | 121,8 | 121,2 | 120,6 | 14,4 | 13,8 | 6 |
| 7 | 158,2 | 157,5 | 156,8 | 142,1 | 141,4 | 140,7 | 16,8 | 16,1 | 7 |
| 8 | 180,8 | 180,0 | 179,2 | 162,4 | 161,6 | 160,8 | 19,2 | 18,4 | 8 |
| 9 | 203,4 | 202,5 | 201,6 | 182,7 | 181,8 | 180,9 | 21,6 | 20,7 | 9 |

| $20^g$ | 202 | 225 | 225 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.50** | **9.53** | **0.46** | **9.97** | |
| **80 oo** | 64287 | 00337 | 99663 | 63951 | **20 oo** |
| 10 | 64489 | 00561 | 99439 | 63927 | 90 |
| 20 | 64690 | 00786 | 99214 | 63904 | 80 |
| 30 | 64891 | 01010 | 98990 | 63881 | 70 |
| 40 | 65092 | 01234 | 98766 | 63858 | 60 |
| 50 | 65294 | 01459 | 98541 | 63835 | 50 |
| 60 | 65495 | 01683 | 98317 | 63812 | 40 |
| 70 | 65696 | 01908 | 98092 | 63789 | 30 |
| 80 | 65897 | 02132 | 97868 | 63766 | 20 |
| 90 | 66099 | 02356 | 97644 | 63742 | 10 |
| **81 oo** | 66300 | 02581 | 97419 | 63719 | **19 oo** |
| 10 | 66501 | 02805 | 97195 | 63696 | 90 |
| 20 | 66702 | 03029 | 96971 | 63673 | 80 |
| 30 | 66904 | 03254 | 96746 | 63650 | 70 |
| 40 | 67105 | 03478 | 96522 | 63627 | 60 |
| 50 | 67306 | 03702 | 96298 | 63604 | 50 |
| 60 | 67507 | 03926 | 96074 | 63581 | 40 |
| 70 | 67708 | 04151 | 95849 | 63557 | 30 |
| 80 | 67909 | 04375 | 95625 | 63534 | 20 |
| 90 | 68110 | 04599 | 95401 | 63511 | 10 |
| **82 oo** | 68311 | 04823 | 95177 | 63488 | **18 oo** |
| 10 | 68513 | 05048 | 94952 | 63465 | 90 |
| 20 | 68714 | 05272 | 94728 | 63442 | 80 |
| 30 | 68915 | 05496 | 94504 | 63419 | 70 |
| 40 | 69116 | 05720 | 94280 | 63395 | 60 |
| 50 | 69317 | 05945 | 94055 | 63372 | 50 |
| 60 | 69518 | 06169 | 93831 | 63349 | 40 |
| 70 | 69719 | 06393 | 93607 | 63326 | 30 |
| 80 | 69920 | 06617 | 93383 | 63303 | 20 |
| 90 | 70121 | 06841 | 93159 | 63280 | 10 |
| **83 oo** | 70322 | 07065 | 92935 | 63257 | **17 oo** |
| 10 | 70523 | 07290 | 92710 | 63233 | 90 |
| 20 | 70724 | 07514 | 92486 | 63210 | 80 |
| 30 | 70925 | 07738 | 92262 | 63187 | 70 |
| 40 | 71126 | 07962 | 92038 | 63164 | 60 |
| 50 | 71327 | 08186 | 91814 | 63141 | 50 |
| 60 | 71528 | 08410 | 91590 | 63118 | 40 |
| 70 | 71729 | 08634 | 91366 | 63094 | 30 |
| 80 | 71930 | 08858 | 91142 | 63071 | 20 |
| 90 | 72131 | 09083 | 90917 | 63048 | 10 |
| **84 oo** | 72332 | 09307 | 90693 | 63025 | **16 oo** |
| 10 | 72532 | 09531 | 90469 | 63002 | 90 |
| 20 | 72733 | 09755 | 90245 | 62979 | 80 |
| 30 | 72934 | 09979 | 90021 | 62955 | 70 |
| 40 | 73135 | 10203 | 89797 | 62932 | 60 |
| 50 | 73336 | 10427 | 89573 | 62909 | 50 |
| 60 | 73537 | 10651 | 89349 | 62886 | 40 |
| 70 | 73738 | 10875 | 89125 | 62863 | 30 |
| 80 | 73938 | 11099 | 88901 | 62840 | 20 |
| 90 | 74139 | 11323 | 88677 | 62816 | 10 |
| **85 oo** | 74340 | 11547 | 88453 | 62793 | **15 oo** |
| | **9.50** | **9.53** | **0.46** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | $79^g$ |
| | 200 | 224 | 224 | 24 | |

| $20^g$ | 201 | 224 | 224 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.50** | **9.53** | **0.46** | **9.97** | |
| **85 oo** | 74340 | 11547 | 88453 | 62793 | **15 oo** |
| 10 | 74541 | 11771 | 88229 | 62770 | 90 |
| 20 | 74742 | 11995 | 88005 | 62747 | 80 |
| 30 | 74942 | 12219 | 87781 | 62724 | 70 |
| 40 | 75143 | 12443 | 87557 | 62701 | 60 |
| 50 | 75344 | 12666 | 87334 | 62677 | 50 |
| 60 | 75545 | 12890 | 87110 | 62654 | 40 |
| 70 | 75745 | 13114 | 86886 | 62631 | 30 |
| 80 | 75946 | 13338 | 86662 | 62608 | 20 |
| 90 | 76147 | 13562 | 86438 | 62585 | 10 |
| **86 oo** | 76347 | 13786 | 86214 | 62561 | **14 oo** |
| 10 | 76548 | 14010 | 85990 | 62538 | 90 |
| 20 | 76749 | 14234 | 85766 | 62515 | 80 |
| 30 | 76949 | 14458 | 85542 | 62492 | 70 |
| 40 | 77150 | 14681 | 85319 | 62469 | 60 |
| 50 | 77351 | 14905 | 85095 | 62445 | 50 |
| 60 | 77551 | 15129 | 84871 | 62422 | 40 |
| 70 | 77752 | 15353 | 84647 | 62399 | 30 |
| 80 | 77953 | 15577 | 84423 | 62376 | 20 |
| 90 | 78153 | 15801 | 84199 | 62353 | 10 |
| **87 oo** | 78354 | 16024 | 83976 | 62329 | **13 oo** |
| 10 | 78554 | 16248 | 83752 | 62306 | 90 |
| 20 | 78755 | 16472 | 83528 | 62283 | 80 |
| 30 | 78955 | 16696 | 83304 | 62260 | 70 |
| 40 | 79156 | 16919 | 83081 | 62237 | 60 |
| 50 | 79357 | 17143 | 82857 | 62213 | 50 |
| 60 | 79557 | 17367 | 82633 | 62190 | 40 |
| 70 | 79758 | 17591 | 82409 | 62167 | 30 |
| 80 | 79958 | 17814 | 82186 | 62144 | 20 |
| 90 | 80159 | 18038 | 81962 | 62121 | 10 |
| **88 oo** | 80359 | 18262 | 81738 | 62097 | **12 oo** |
| 10 | 80560 | 18485 | 81515 | 62074 | 90 |
| 20 | 80760 | 18709 | 81291 | 62051 | 80 |
| 30 | 80961 | 18933 | 81067 | 62028 | 70 |
| 40 | 81161 | 19156 | 80844 | 62005 | 60 |
| 50 | 81361 | 19380 | 80620 | 61981 | 50 |
| 60 | 81562 | 19604 | 80396 | 61958 | 40 |
| 70 | 81762 | 19827 | 80173 | 61935 | 30 |
| 80 | 81963 | 20051 | 79949 | 61912 | 20 |
| 90 | 82163 | 20275 | 79725 | 61888 | 10 |
| **89 oo** | 82363 | 20498 | 79502 | 61865 | **11 oo** |
| 10 | 82564 | 20722 | 79278 | 61842 | 90 |
| 20 | 82764 | 20945 | 79055 | 61819 | 80 |
| 30 | 82965 | 21169 | 78831 | 61796 | 70 |
| 40 | 83165 | 21393 | 78607 | 61772 | 60 |
| 50 | 83365 | 21616 | 78384 | 61749 | 50 |
| 60 | 83566 | 21840 | 78160 | 61726 | 40 |
| 70 | 83766 | 22063 | 77937 | 61703 | 30 |
| 80 | 83966 | 22287 | 77713 | 61679 | 20 |
| 90 | 84166 | 22510 | 77490 | 61656 | 10 |
| **90 oo** | 84367 | 22734 | 77266 | 61633 | **10 oo** |
| | **9.50** | **9.53** | **0.46** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | $79^g$ |
| | 200 | 223 | 223 | 24 | |

| | 225 | 224 | 223 | 202 | 201 | 200 | 24 | 23 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22,5 | 22,4 | 22,3 | 20,2 | 20,1 | 20,0 | 2,4 | 2,3 | 1 |
| 2 | 45,0 | 44,8 | 44,6 | 40,4 | 40,2 | 40,0 | 4,8 | 4,6 | 2 |
| 3 | 67,5 | 67,2 | 66,9 | 60,6 | 60,3 | 60,0 | 7,2 | 6,9 | 3 |
| 4 | 90,0 | 89,6 | 89,2 | 80,8 | 80,4 | 80,0 | 9,6 | 9,2 | 4 |
| 5 | 112,5 | 112,0 | 111,5 | 101,0 | 100,5 | 100,0 | 12,0 | 11,5 | 5 |
| 6 | 135,0 | 134,4 | 133,8 | 121,2 | 120,6 | 120,0 | 14,4 | 13,8 | 6 |
| 7 | 157,5 | 156,8 | 156,1 | 141,4 | 140,7 | 140,0 | 16,8 | 16,1 | 7 |
| 8 | 180,0 | 179,2 | 178,4 | 161,6 | 160,8 | 160,0 | 19,2 | 18,4 | 8 |
| 9 | 202,5 | 201,6 | 200,7 | 181,8 | 180,9 | 180,0 | 21,6 | 20,7 | 9 |

| 20g | 201 | 224 | 224 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.50** | **9.53** | **0.46** | **9.97** | |
| **90 oo** | 84367 | 22734 | 77266 | 61633 | **10 oo** |
| 10 | 84567 | 22957 | 77043 | 61610 | 90 |
| 20 | 84767 | 23181 | 76819 | 61586 | 80 |
| 30 | 84967 | 23404 | 76596 | 61563 | 70 |
| 40 | 85168 | 23628 | 76372 | 61540 | 60 |
| 50 | 85368 | 23851 | 76149 | 61517 | 50 |
| 60 | 85568 | 24075 | 75925 | 61493 | 40 |
| 70 | 85768 | 24298 | 75702 | 61470 | 30 |
| 80 | 85969 | 24522 | 75478 | 61447 | 20 |
| 90 | 86169 | 24745 | 75255 | 61424 | 10 |
| **91 oo** | 86369 | 24969 | 75031 | 61400 | **09 oo** |
| 10 | 86569 | 25192 | 74808 | 61377 | 90 |
| 20 | 86769 | 25415 | 74585 | 61354 | 80 |
| 30 | 86969 | 25639 | 74361 | 61331 | 70 |
| 40 | 87170 | 25862 | 74138 | 61307 | 60 |
| 50 | 87370 | 26086 | 73914 | 61284 | 50 |
| 60 | 87570 | 26309 | 73691 | 61261 | 40 |
| 70 | 87770 | 26532 | 73468 | 61238 | 30 |
| 80 | 87970 | 26756 | 73244 | 61214 | 20 |
| 90 | 88170 | 26979 | 73021 | 61191 | 10 |
| **92 oo** | 88370 | 27202 | 72798 | 61168 | **08 oo** |
| 10 | 88570 | 27426 | 72574 | 61145 | 90 |
| 20 | 88770 | 27649 | 72351 | 61121 | 80 |
| 30 | 88970 | 27872 | 72128 | 61098 | 70 |
| 40 | 89170 | 28096 | 71904 | 61075 | 60 |
| 50 | 89370 | 28319 | 71681 | 61052 | 50 |
| 60 | 89570 | 28542 | 71458 | 61028 | 40 |
| 70 | 89770 | 28765 | 71235 | 61005 | 30 |
| 80 | 89970 | 28989 | 71011 | 60982 | 20 |
| 90 | 90170 | 29212 | 70788 | 60959 | 10 |
| **93 oo** | 90370 | 29435 | 70565 | 60935 | **07 oo** |
| 10 | 90570 | 29658 | 70342 | 60912 | 90 |
| 20 | 90770 | 29882 | 70118 | 60889 | 80 |
| 30 | 90970 | 30105 | 69895 | 60865 | 70 |
| 40 | 91170 | 30328 | 69672 | 60842 | 60 |
| 50 | 91370 | 30551 | 69449 | 60819 | 50 |
| 60 | 91570 | 30774 | 69226 | 60796 | 40 |
| 70 | 91770 | 30998 | 69002 | 60772 | 30 |
| 80 | 91970 | 31221 | 68779 | 60749 | 20 |
| 90 | 92170 | 31444 | 68556 | 60726 | 10 |
| **94 oo** | 92370 | 31667 | 68333 | 60702 | **06 oo** |
| 10 | 92569 | 31890 | 68110 | 60679 | 90 |
| 20 | 92769 | 32113 | 67887 | 60656 | 80 |
| 30 | 92969 | 32337 | 67663 | 60633 | 70 |
| 40 | 93169 | 32560 | 67440 | 60609 | 60 |
| 50 | 93369 | 32783 | 67217 | 60586 | 50 |
| 60 | 93569 | 33006 | 66994 | 60563 | 40 |
| 70 | 93768 | 33229 | 66771 | 60539 | 30 |
| 80 | 93968 | 33452 | 66548 | 60516 | 20 |
| 90 | 94168 | 33675 | 66325 | 60493 | 10 |
| **95 oo** | 94368 | 33898 | 66102 | 60470 | **05 oo** |
| | **9.50** | **9.53** | **0.46** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **79g** |
| | 199 | 223 | 223 | 24 | |

| 20g | 200 | 223 | 223 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.50** | **9.53** | **0.46** | **9.97** | |
| **95 oo** | 94368 | 33898 | 66102 | 60470 | **05 oo** |
| 10 | 94567 | 34121 | 65879 | 60446 | 90 |
| 20 | 94767 | 34344 | 65656 | 60423 | 80 |
| 30 | 94967 | 34567 | 65433 | 60400 | 70 |
| 40 | 95167 | 34790 | 65210 | 60376 | 60 |
| 50 | 95366 | 35013 | 64987 | 60353 | 50 |
| 60 | 95566 | 35236 | 64764 | 60330 | 40 |
| 70 | 95766 | 35459 | 64541 | 60306 | 30 |
| 80 | 95965 | 35682 | 64318 | 60283 | 20 |
| 90 | 96165 | 35905 | 64095 | 60260 | 10 |
| **96 oo** | 96365 | 36128 | 63872 | 60237 | **04 oo** |
| 10 | 96564 | 36351 | 63649 | 60213 | 90 |
| 20 | 96764 | 36574 | 63426 | 60190 | 80 |
| 30 | 96964 | 36797 | 63203 | 60167 | 70 |
| 40 | 97163 | 37020 | 62980 | 60143 | 60 |
| 50 | 97363 | 37243 | 62757 | 60120 | 50 |
| 60 | 97563 | 37466 | 62534 | 60097 | 40 |
| 70 | 97762 | 37689 | 62311 | 60073 | 30 |
| 80 | 97962 | 37912 | 62088 | 60050 | 20 |
| 90 | 98161 | 38135 | 61865 | 60027 | 10 |
| **97 oo** | 98361 | 38358 | 61642 | 60003 | **03 oo** |
| 10 | 98560 | 38580 | 61420 | 59980 | 90 |
| 20 | 98760 | 38803 | 61197 | 59957 | 80 |
| 30 | 98960 | 39026 | 60974 | 59933 | 70 |
| 40 | 99159 | 39249 | 60751 | 59910 | 60 |
| 50 | 99359 | 39472 | 60528 | 59887 | 50 |
| 60 | 99558 | 39695 | 60305 | 59863 | 40 |
| 70 | 99758 | 39917 | 60083 | 59840 | 30 |
| 80 | 99957 | 40140 | 59860 | 59817 | 20 |
| 90 | *00157 | 40363 | 59637 | 59793 | 10 |
| **98 oo** | *00356 | 40586 | 59414 | 59770 | **02 oo** |
| 10 | *00555 | 40809 | 59191 | 59747 | 90 |
| 20 | *00755 | 41031 | 58969 | 59723 | 80 |
| 30 | *00954 | 41254 | 58746 | 59700 | 70 |
| 40 | *01154 | 41477 | 58523 | 59677 | 60 |
| 50 | *01353 | 41700 | 58300 | 59653 | 50 |
| 60 | *01553 | 41922 | 58078 | 59630 | 40 |
| 70 | *01752 | 42145 | 57855 | 59607 | 30 |
| 80 | *01951 | 42368 | 57632 | 59583 | 20 |
| 90 | *02151 | 42591 | 57409 | 59560 | 10 |
| **99 oo** | *02350 | 42813 | 57187 | 59537 | **01 oo** |
| 10 | *02549 | 43036 | 56964 | 59513 | 90 |
| 20 | *02749 | 43259 | 56741 | 59490 | 80 |
| 30 | *02948 | 43481 | 56519 | 59467 | 70 |
| 40 | *03147 | 43704 | 56296 | 59443 | 60 |
| 50 | *03347 | 43927 | 56073 | 59420 | 50 |
| 60 | *03546 | 44149 | 55851 | 59397 | 40 |
| 70 | *03745 | 44372 | 55628 | 59373 | 30 |
| 80 | *03944 | 44595 | 55405 | 59350 | 20 |
| 90 | *04144 | 44817 | 55183 | 59327 | 10 |
| **100 oo** | *04343 | 45040 | 54960 | 59303 | **00 oo** |
| | ***9.51** | **9.53** | **0.46** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **79g** |
| | 199 | 222 | 222 | 24 | |

| | 224 | 223 | 222 | 201 | 200 | 199 | 24 | 23 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22,4 | 22,3 | 22,2 | 20,1 | 20,0 | 19,9 | 2,4 | 2,3 | 1 |
| 2 | 44,8 | 44,6 | 44,4 | 40,2 | 40,0 | 39,8 | 4,8 | 4,6 | 2 |
| 3 | 67,2 | 66,9 | 66,6 | 60,3 | 60,0 | 59,7 | 7,2 | 6,9 | 3 |
| 4 | 89,6 | 89,2 | 88,8 | 80,4 | 80,0 | 79,6 | 9,6 | 9,2 | 4 |
| 5 | 112,0 | 111,5 | 111,0 | 100,5 | 100,0 | 99,5 | 12,0 | 11,5 | 5 |
| 6 | 134,4 | 133,8 | 133,2 | 120,6 | 120,0 | 119,4 | 14,4 | 13,8 | 6 |
| 7 | 156,8 | 156,1 | 155,4 | 140,7 | 140,0 | 139,3 | 16,8 | 16,1 | 7 |
| 8 | 179,2 | 178,4 | 177,6 | 160,8 | 160,0 | 159,2 | 19,2 | 18,4 | 8 |
| 9 | 201,6 | 200,7 | 199,8 | 180,9 | 180,0 | 179,1 | 21,6 | 20,7 | 9 |

| 21g | 200 | 223 | 223 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.51** | **9.53** | **0.46** | **9.97** | |
| **00 oo** | 04343 | 45040 | 54960 | 59303 | **100 oo** |
| 10 | 04542 | 45262 | 54738 | 59280 | 90 |
| 20 | 04742 | 45485 | 54515 | 59257 | 80 |
| 30 | 04941 | 45708 | 54292 | 59233 | 70 |
| 40 | 05140 | 45930 | 54070 | 59210 | 60 |
| 50 | 05339 | 46153 | 53847 | 59186 | 50 |
| 60 | 05538 | 46375 | 53625 | 59163 | 40 |
| 70 | 05738 | 46598 | 53402 | 59140 | 30 |
| 80 | 05937 | 46820 | 53180 | 59116 | 20 |
| 90 | 06136 | 47043 | 52957 | 59093 | 10 |
| **01 oo** | 06335 | 47265 | 52735 | 59070 | **99 oo** |
| 10 | 06534 | 47488 | 52512 | 59046 | 90 |
| 20 | 06733 | 47710 | 52290 | 59023 | 80 |
| 30 | 06932 | 47933 | 52067 | 58999 | 70 |
| 40 | 07132 | 48155 | 51845 | 58976 | 60 |
| 50 | 07331 | 48378 | 51622 | 58953 | 50 |
| 60 | 07530 | 48600 | 51400 | 58929 | 40 |
| 70 | 07729 | 48823 | 51177 | 58906 | 30 |
| 80 | 07928 | 49045 | 50955 | 58883 | 20 |
| 90 | 08127 | 49268 | 50732 | 58859 | 10 |
| **02 oo** | 08326 | 49490 | 50510 | 58836 | **98 oo** |
| 10 | 08525 | 49713 | 50287 | 58812 | 90 |
| 20 | 08724 | 49935 | 50065 | 58789 | 80 |
| 30 | 08923 | 50157 | 49843 | 58766 | 70 |
| 40 | 09122 | 50380 | 49620 | 58742 | 60 |
| 50 | 09321 | 50602 | 49398 | 58719 | 50 |
| 60 | 09520 | 50825 | 49175 | 58696 | 40 |
| 70 | 09719 | 51047 | 48953 | 58672 | 30 |
| 80 | 09918 | 51269 | 48731 | 58649 | 20 |
| 90 | 10117 | 51492 | 48508 | 58625 | 10 |
| **03 oo** | 10316 | 51714 | 48286 | 58602 | **97 oo** |
| 10 | 10515 | 51936 | 48064 | 58579 | 90 |
| 20 | 10714 | 52159 | 47841 | 58555 | 80 |
| 30 | 10913 | 52381 | 47619 | 58532 | 70 |
| 40 | 11112 | 52603 | 47397 | 58508 | 60 |
| 50 | 11311 | 52826 | 47174 | 58485 | 50 |
| 60 | 11509 | 53048 | 46952 | 58462 | 40 |
| 70 | 11708 | 53270 | 46730 | 58438 | 30 |
| 80 | 11907 | 53492 | 46508 | 58415 | 20 |
| 90 | 12106 | 53715 | 46285 | 58391 | 10 |
| **04 oo** | 12305 | 53937 | 46063 | 58368 | **96 oo** |
| 10 | 12504 | 54159 | 45841 | 58345 | 90 |
| 20 | 12703 | 54381 | 45619 | 58321 | 80 |
| 30 | 12901 | 54604 | 45396 | 58298 | 70 |
| 40 | 13100 | 54826 | 45174 | 58274 | 60 |
| 50 | 13299 | 55048 | 44952 | 58251 | 50 |
| 60 | 13498 | 55270 | 44730 | 58228 | 40 |
| 70 | 13697 | 55492 | 44508 | 58204 | 30 |
| 80 | 13895 | 55715 | 44285 | 58181 | 20 |
| 90 | 14094 | 55937 | 44063 | 58157 | 10 |
| **05 oo** | 14293 | 56159 | 43841 | 58134 | **95 oo** |
| | **9.51** | **9.53** | **0.46** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 198 | 222 | 222 | 24 | |

| 21g | 199 | 223 | 223 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.51** | **9.53** | **0.46** | **9.97** | |
| **05 oo** | 14293 | 56159 | 43841 | 58134 | **95 oo** |
| 10 | 14492 | 56381 | 43619 | 58110 | 90 |
| 20 | 14690 | 56603 | 43397 | 58087 | 80 |
| 30 | 14889 | 56825 | 43175 | 58064 | 70 |
| 40 | 15088 | 57047 | 42953 | 58040 | 60 |
| 50 | 15286 | 57270 | 42730 | 58017 | 50 |
| 60 | 15485 | 57492 | 42508 | 57993 | 40 |
| 70 | 15684 | 57714 | 42286 | 57970 | 30 |
| 80 | 15882 | 57936 | 42064 | 57947 | 20 |
| 90 | 16081 | 58158 | 41842 | 57923 | 10 |
| **06 oo** | 16280 | 58380 | 41620 | 57900 | **94 oo** |
| 10 | 16478 | 58602 | 41398 | 57876 | 90 |
| 20 | 16677 | 58824 | 41176 | 57853 | 80 |
| 30 | 16876 | 59046 | 40954 | 57829 | 70 |
| 40 | 17074 | 59268 | 40732 | 57806 | 60 |
| 50 | 17273 | 59490 | 40510 | 57783 | 50 |
| 60 | 17471 | 59712 | 40288 | 57759 | 40 |
| 70 | 17670 | 59934 | 40066 | 57736 | 30 |
| 80 | 17869 | 60156 | 39844 | 57712 | 20 |
| 90 | 18067 | 60378 | 39622 | 57689 | 10 |
| **07 oo** | 18266 | 60600 | 39400 | 57665 | **93 oo** |
| 10 | 18464 | 60822 | 39178 | 57642 | 90 |
| 20 | 18663 | 61044 | 38956 | 57618 | 80 |
| 30 | 18861 | 61266 | 38734 | 57595 | 70 |
| 40 | 19060 | 61488 | 38512 | 57572 | 60 |
| 50 | 19258 | 61710 | 38290 | 57548 | 50 |
| 60 | 19457 | 61932 | 38068 | 57525 | 40 |
| 70 | 19655 | 62154 | 37846 | 57501 | 30 |
| 80 | 19854 | 62376 | 37624 | 57478 | 20 |
| 90 | 20052 | 62598 | 37402 | 57454 | 10 |
| **08 oo** | 20250 | 62820 | 37180 | 57431 | **92 oo** |
| 10 | 20449 | 63042 | 36958 | 57407 | 90 |
| 20 | 20647 | 63263 | 36737 | 57384 | 80 |
| 30 | 20846 | 63485 | 36515 | 57360 | 70 |
| 40 | 21044 | 63707 | 36293 | 57337 | 60 |
| 50 | 21243 | 63929 | 36071 | 57314 | 50 |
| 60 | 21441 | 64151 | 35849 | 57290 | 40 |
| 70 | 21639 | 64373 | 35627 | 57267 | 30 |
| 80 | 21838 | 64594 | 35406 | 57243 | 20 |
| 90 | 22036 | 64816 | 35184 | 57220 | 10 |
| **09 oo** | 22234 | 65038 | 34962 | 57196 | **91 oo** |
| 10 | 22433 | 65260 | 34740 | 57173 | 90 |
| 20 | 22631 | 65482 | 34518 | 57149 | 80 |
| 30 | 22829 | 65703 | 34297 | 57126 | 70 |
| 40 | 23028 | 65925 | 34075 | 57102 | 60 |
| 50 | 23226 | 66147 | 33853 | 57079 | 50 |
| 60 | 23424 | 66369 | 33631 | 57055 | 40 |
| 70 | 23622 | 66590 | 33410 | 57032 | 30 |
| 80 | 23821 | 66812 | 33188 | 57009 | 20 |
| 90 | 24019 | 67034 | 32966 | 56985 | 10 |
| **10 oo** | 24217 | 67256 | 32744 | 56962 | **90 oo** |
| | **9.51** | **9.53** | **0.46** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 198 | 221 | 221 | 24 | |

| | 223 | 222 | 221 | 200 | 199 | 198 | 24 | 23 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22,3 | 22,2 | 22,1 | 20,0 | 19,9 | 19,8 | 2,4 | 2,3 | 1 |
| 2 | 44,6 | 44,4 | 44,2 | 40,0 | 39,8 | 39,6 | 4,8 | 4,6 | 2 |
| 3 | 66,9 | 66,6 | 66,3 | 60,0 | 59,7 | 59,4 | 7,2 | 6,9 | 3 |
| 4 | 89,2 | 88,8 | 88,4 | 80,0 | 79,6 | 79,2 | 9,6 | 9,2 | 4 |
| 5 | 111,5 | 111,0 | 110,5 | 100,0 | 99,5 | 99,0 | 12,0 | 11,5 | 5 |
| 6 | 133,8 | 133,2 | 132,6 | 120,0 | 119,4 | 118,8 | 14,4 | 13,8 | 6 |
| 7 | 156,1 | 155,4 | 154,7 | 140,0 | 139,3 | 138,6 | 16,8 | 16,1 | 7 |
| 8 | 178,4 | 177,6 | 176,8 | 160,0 | 159,2 | 158,4 | 19,2 | 18,4 | 8 |
| 9 | 200,7 | 199,8 | 198,9 | 180,0 | 179,1 | 178,2 | 21,6 | 20,7 | 9 |

| 21g | 199 | 222 | 222 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.51** | **9.53** | **0.46** | **9.97** | |
| **10 oo** | 24217 | 67256 | 32744 | 56962 | **90 oo** |
| 10 | 24415 | 67477 | 32523 | 56938 | 90 |
| 20 | 24614 | 67699 | 32301 | 56915 | 80 |
| 30 | 24812 | 67921 | 32079 | 56891 | 70 |
| 40 | 25010 | 68142 | 31858 | 56868 | 60 |
| 50 | 25208 | 68364 | 31636 | 56844 | 50 |
| 60 | 25406 | 68586 | 31414 | 56821 | 40 |
| 70 | 25605 | 68807 | 31193 | 56797 | 30 |
| 80 | 25803 | 69029 | 30971 | 56774 | 20 |
| 90 | 26001 | 69251 | 30749 | 56750 | 10 |
| **11 oo** | 26199 | 69472 | 30528 | 56727 | **89 oo** |
| 10 | 26397 | 69694 | 30306 | 56703 | 90 |
| 20 | 26595 | 69916 | 30084 | 56680 | 80 |
| 30 | 26793 | 70137 | 29863 | 56656 | 70 |
| 40 | 26991 | 70359 | 29641 | 56633 | 60 |
| 50 | 27190 | 70580 | 29420 | 56609 | 50 |
| 60 | 27388 | 70802 | 29198 | 56586 | 40 |
| 70 | 27586 | 71023 | 28977 | 56562 | 30 |
| 80 | 27784 | 71245 | 28755 | 56539 | 20 |
| 90 | 27982 | 71467 | 28533 | 56515 | 10 |
| **12 oo** | 28180 | 71688 | 28312 | 56492 | **88 oo** |
| 10 | 28378 | 71910 | 28090 | 56468 | 90 |
| 20 | 28576 | 72131 | 27869 | 56445 | 80 |
| 30 | 28774 | 72353 | 27647 | 56421 | 70 |
| 40 | 28972 | 72574 | 27426 | 56398 | 60 |
| 50 | 29170 | 72796 | 27204 | 56374 | 50 |
| 60 | 29368 | 73017 | 26983 | 56351 | 40 |
| 70 | 29566 | 73239 | 26761 | 56327 | 30 |
| 80 | 29764 | 73460 | 26540 | 56304 | 20 |
| 90 | 29962 | 73681 | 26319 | 56280 | 10 |
| **13 oo** | 30160 | 73903 | 26097 | 56257 | **87 oo** |
| 10 | 30358 | 74124 | 25876 | 56233 | 90 |
| 20 | 30556 | 74346 | 25654 | 56210 | 80 |
| 30 | 30753 | 74567 | 25433 | 56186 | 70 |
| 40 | 30951 | 74789 | 25211 | 56163 | 60 |
| 50 | 31149 | 75010 | 24990 | 56139 | 50 |
| 60 | 31347 | 75231 | 24769 | 56116 | 40 |
| 70 | 31545 | 75453 | 24547 | 56092 | 30 |
| 80 | 31743 | 75674 | 24326 | 56069 | 20 |
| 90 | 31941 | 75896 | 24104 | 56045 | 10 |
| **14 oo** | 32138 | 76117 | 23883 | 56022 | **86 oo** |
| 10 | 32336 | 76338 | 23662 | 55998 | 90 |
| 20 | 32534 | 76560 | 23440 | 55975 | 80 |
| 30 | 32732 | 76781 | 23219 | 55951 | 70 |
| 40 | 32930 | 77002 | 22998 | 55927 | 60 |
| 50 | 33128 | 77224 | 22776 | 55904 | 50 |
| 60 | 33325 | 77445 | 22555 | 55880 | 40 |
| 70 | 33523 | 77666 | 22334 | 55857 | 30 |
| 80 | 33721 | 77887 | 22113 | 55833 | 20 |
| 90 | 33919 | 78109 | 21891 | 55810 | 10 |
| **15 oo** | 34116 | 78330 | 21670 | 55786 | **85 oo** |
| | **9.51** | **9.53** | **0.46** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 197 | 221 | 221 | 24 | |

| 21g | 198 | 222 | 222 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.51** | **9.53** | **0.46** | **9.97** | |
| **15 oo** | 34116 | 78330 | 21670 | 55786 | **85 oo** |
| 10 | 34314 | 78551 | 21449 | 55763 | 90 |
| 20 | 34512 | 78773 | 21227 | 55739 | 80 |
| 30 | 34709 | 78994 | 21006 | 55716 | 70 |
| 40 | 34907 | 79215 | 20785 | 55692 | 60 |
| 50 | 35105 | 79436 | 20564 | 55669 | 50 |
| 60 | 35302 | 79657 | 20343 | 55645 | 40 |
| 70 | 35500 | 79879 | 20121 | 55621 | 30 |
| 80 | 35698 | 80100 | 19900 | 55598 | 20 |
| 90 | 35895 | 80321 | 19679 | 55574 | 10 |
| **16 oo** | 36093 | 80542 | 19458 | 55551 | **84 oo** |
| 10 | 36291 | 80763 | 19237 | 55527 | 90 |
| 20 | 36488 | 80985 | 19015 | 55504 | 80 |
| 30 | 36686 | 81206 | 18794 | 55480 | 70 |
| 40 | 36884 | 81427 | 18573 | 55457 | 60 |
| 50 | 37081 | 81648 | 18352 | 55433 | 50 |
| 60 | 37279 | 81869 | 18131 | 55410 | 40 |
| 70 | 37476 | 82090 | 17910 | 55386 | 30 |
| 80 | 37674 | 82311 | 17689 | 55362 | 20 |
| 90 | 37871 | 82532 | 17468 | 55339 | 10 |
| **17 oo** | 38069 | 82754 | 17246 | 55315 | **83 oo** |
| 10 | 38266 | 82975 | 17025 | 55292 | 90 |
| 20 | 38464 | 83196 | 16804 | 55268 | 80 |
| 30 | 38661 | 83417 | 16583 | 55245 | 70 |
| 40 | 38859 | 83638 | 16362 | 55221 | 60 |
| 50 | 39056 | 83859 | 16141 | 55197 | 50 |
| 60 | 39254 | 84080 | 15920 | 55174 | 40 |
| 70 | 39451 | 84301 | 15699 | 55150 | 30 |
| 80 | 39649 | 84522 | 15478 | 55127 | 20 |
| 90 | 39846 | 84743 | 15257 | 55103 | 10 |
| **18 oo** | 40044 | 84964 | 15036 | 55080 | **82 oo** |
| 10 | 40241 | 85185 | 14815 | 55056 | 90 |
| 20 | 40438 | 85406 | 14594 | 55032 | 80 |
| 30 | 40636 | 85627 | 14373 | 55009 | 70 |
| 40 | 40833 | 85848 | 14152 | 54985 | 60 |
| 50 | 41031 | 86069 | 13931 | 54962 | 50 |
| 60 | 41228 | 86290 | 13710 | 54938 | 40 |
| 70 | 41425 | 86511 | 13489 | 54915 | 30 |
| 80 | 41623 | 86732 | 13268 | 54891 | 20 |
| 90 | 41820 | 86953 | 13047 | 54867 | 10 |
| **19 oo** | 42017 | 87174 | 12826 | 54844 | **81 oo** |
| 10 | 42215 | 87394 | 12606 | 54820 | 90 |
| 20 | 42412 | 87615 | 12385 | 54797 | 80 |
| 30 | 42609 | 87836 | 12164 | 54773 | 70 |
| 40 | 42807 | 88057 | 11943 | 54750 | 60 |
| 50 | 43004 | 88278 | 11722 | 54726 | 50 |
| 60 | 43201 | 88499 | 11501 | 54702 | 40 |
| 70 | 43398 | 88720 | 11280 | 54679 | 30 |
| 80 | 43596 | 88941 | 11059 | 54655 | 20 |
| 90 | 43793 | 89161 | 10839 | 54632 | 10 |
| **20 oo** | 43990 | 89382 | 10618 | 54608 | **80 oo** |
| | **9.51** | **9.53** | **0.46** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 197 | 220 | 220 | 24 | |

| | 222 | 221 | 220 | 199 | 198 | 197 | 24 | 23 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22,2 | 22,1 | 22,0 | 19,9 | 19,8 | 19,7 | 2,4 | 2,3 | 1 |
| 2 | 44,4 | 44,2 | 44,0 | 39,8 | 39,6 | 39,4 | 4,8 | 4,6 | 2 |
| 3 | 66,6 | 66,3 | 66,0 | 59,7 | 59,4 | 59,1 | 7,2 | 6,9 | 3 |
| 4 | 88,8 | 88,4 | 88,0 | 79,6 | 79,2 | 78,8 | 9,6 | 9,2 | 4 |
| 5 | 111,0 | 110,5 | 110,0 | 99,5 | 99,0 | 98,5 | 12,0 | 11,5 | 5 |
| 6 | 133,2 | 132,6 | 132,0 | 119,4 | 118,8 | 118,2 | 14,4 | 13,8 | 6 |
| 7 | 155,4 | 154,7 | 154,0 | 139,3 | 138,6 | 137,9 | 16,8 | 16,1 | 7 |
| 8 | 177,6 | 176,8 | 176,0 | 159,2 | 158,4 | 157,6 | 19,2 | 18,4 | 8 |
| 9 | 199,8 | 198,9 | 198,0 | 179,1 | 178,2 | 177,3 | 21,6 | 20,7 | 9 |

| 21g | 198 | 221 | 221 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·51** | **9·53** | **0·46** | **9·97** | |
| **20 oo** | 43990 | 89382 | 10618 | 54608 | **80 oo** |
| 10 | 44187 | 89603 | 10397 | 54584 | 90 |
| 20 | 44385 | 89824 | 10176 | 54561 | 80 |
| 30 | 44582 | 90045 | 09955 | 54537 | 70 |
| 40 | 44779 | 90265 | 09735 | 54514 | 60 |
| 50 | 44976 | 90486 | 09514 | 54490 | 50 |
| 60 | 45173 | 90707 | 09293 | 54466 | 40 |
| 70 | 45371 | 90928 | 09072 | 54443 | 30 |
| 80 | 45568 | 91149 | 08851 | 54419 | 20 |
| 90 | 45765 | 91369 | 08631 | 54396 | 10 |
| **21 oo** | 45962 | 91590 | 08410 | 54372 | **79 oo** |
| 10 | 46159 | 91811 | 08189 | 54348 | 90 |
| 20 | 46356 | 92031 | 07969 | 54325 | 80 |
| 30 | 46553 | 92252 | 07748 | 54301 | 70 |
| 40 | 46750 | 92473 | 07527 | 54277 | 60 |
| 50 | 46947 | 92694 | 07306 | 54254 | 50 |
| 60 | 47145 | 92914 | 07086 | 54230 | 40 |
| 70 | 47342 | 93135 | 06865 | 54207 | 30 |
| 80 | 47539 | 93356 | 06644 | 54183 | 20 |
| 90 | 47736 | 93576 | 06424 | 54159 | 10 |
| **22 oo** | 47933 | 93797 | 06203 | 54136 | **78 oo** |
| 10 | 48130 | 94018 | 05982 | 54112 | 90 |
| 20 | 48327 | 94238 | 05762 | 54089 | 80 |
| 30 | 48524 | 94459 | 05541 | 54065 | 70 |
| 40 | 48721 | 94679 | 05321 | 54041 | 60 |
| 50 | 48918 | 94900 | 05100 | 54018 | 50 |
| 60 | 49115 | 95121 | 04879 | 53994 | 40 |
| 70 | 49312 | 95341 | 04659 | 53970 | 30 |
| 80 | 49509 | 95562 | 04438 | 53947 | 20 |
| 90 | 49706 | 95782 | 04218 | 53923 | 10 |
| **23 oo** | 49902 | 96003 | 03997 | 53900 | **77 oo** |
| 10 | 50099 | 96224 | 03776 | 53876 | 90 |
| 20 | 50296 | 96444 | 03556 | 53852 | 80 |
| 30 | 50493 | 96665 | 03335 | 53829 | 70 |
| 40 | 50690 | 96885 | 03115 | 53805 | 60 |
| 50 | 50887 | 97106 | 02894 | 53781 | 50 |
| 60 | 51084 | 97326 | 02674 | 53758 | 40 |
| 70 | 51281 | 97547 | 02453 | 53734 | 30 |
| 80 | 51478 | 97767 | 02233 | 53710 | 20 |
| 90 | 51674 | 97988 | 02012 | 53687 | 10 |
| **24 oo** | 51871 | 98208 | 01792 | 53663 | **76 oo** |
| 10 | 52068 | 98429 | 01571 | 53639 | 90 |
| 20 | 52265 | 98649 | 01351 | 53616 | 80 |
| 30 | 52462 | 98869 | 01131 | 53592 | 70 |
| 40 | 52658 | 99090 | 00910 | 53569 | 60 |
| 50 | 52855 | 99310 | 00690 | 53545 | 50 |
| 60 | 53052 | 99531 | 00469 | 53521 | 40 |
| 70 | 53249 | 99751 | 00249 | 53498 | 30 |
| 80 | 53446 | 99972 | 00028 | 53474 | 20 |
| 90 | 53642 | *00192 | *99808 | 53450 | 10 |
| **25 oo** | 53839 | *00412 | *99588 | 53427 | **75 oo** |
| | **9·51** | ***9·54** | ***0·45** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **78g** |
| | 196 | 220 | 220 | 24 | |

| 21g | 197 | 221 | 221 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·51** | **9·54** | **0·45** | **9·97** | |
| **25 oo** | 53839 | 00412 | 99588 | 53427 | **75 oo** |
| 10 | 54036 | 00633 | 99367 | 53403 | 90 |
| 20 | 54232 | 00853 | 99147 | 53379 | 80 |
| 30 | 54429 | 01073 | 98927 | 53356 | 70 |
| 40 | 54626 | 01294 | 98706 | 53332 | 60 |
| 50 | 54823 | 01514 | 98486 | 53308 | 50 |
| 60 | 55019 | 01734 | 98266 | 53285 | 40 |
| 70 | 55216 | 01955 | 98045 | 53261 | 30 |
| 80 | 55412 | 02175 | 97825 | 53237 | 20 |
| 90 | 55609 | 02395 | 97605 | 53214 | 10 |
| **26 oo** | 55806 | 02616 | 97384 | 53190 | **74 oo** |
| 10 | 56002 | 02836 | 97164 | 53166 | 90 |
| 20 | 56199 | 03056 | 96944 | 53143 | 80 |
| 30 | 56396 | 03277 | 96723 | 53119 | 70 |
| 40 | 56592 | 03497 | 96503 | 53095 | 60 |
| 50 | 56789 | 03717 | 96283 | 53072 | 50 |
| 60 | 56985 | 03937 | 96063 | 53048 | 40 |
| 70 | 57182 | 04158 | 95842 | 53024 | 30 |
| 80 | 57378 | 04378 | 95622 | 53001 | 20 |
| 90 | 57575 | 04598 | 95402 | 52977 | 10 |
| **27 oo** | 57772 | 04818 | 95182 | 52953 | **73 oo** |
| 10 | 57968 | 05038 | 94962 | 52930 | 90 |
| 20 | 58165 | 05259 | 94741 | 52906 | 80 |
| 30 | 58361 | 05479 | 94521 | 52882 | 70 |
| 40 | 58558 | 05699 | 94301 | 52859 | 60 |
| 50 | 58754 | 05919 | 94081 | 52835 | 50 |
| 60 | 58951 | 06139 | 93861 | 52811 | 40 |
| 70 | 59147 | 06359 | 93641 | 52787 | 30 |
| 80 | 59343 | 06580 | 93420 | 52764 | 20 |
| 90 | 59540 | 06800 | 93200 | 52740 | 10 |
| **28 oo** | 59736 | 07020 | 92980 | 52716 | **72 oo** |
| 10 | 59933 | 07240 | 92760 | 52693 | 90 |
| 20 | 60129 | 07460 | 92540 | 52669 | 80 |
| 30 | 60326 | 07680 | 92320 | 52645 | 70 |
| 40 | 60522 | 07900 | 92100 | 52622 | 60 |
| 50 | 60718 | 08120 | 91880 | 52598 | 50 |
| 60 | 60915 | 08340 | 91660 | 52574 | 40 |
| 70 | 61111 | 08561 | 91439 | 52551 | 30 |
| 80 | 61307 | 08781 | 91219 | 52527 | 20 |
| 90 | 61504 | 09001 | 90999 | 52503 | 10 |
| **29 oo** | 61700 | 09221 | 90779 | 52479 | **71 oo** |
| 10 | 61896 | 09441 | 90559 | 52456 | 90 |
| 20 | 62093 | 09661 | 90339 | 52432 | 80 |
| 30 | 62289 | 09881 | 90119 | 52408 | 70 |
| 40 | 62485 | 10101 | 89899 | 52385 | 60 |
| 50 | 62682 | 10321 | 89679 | 52361 | 50 |
| 60 | 62878 | 10541 | 89459 | 52337 | 40 |
| 70 | 63074 | 10761 | 89239 | 52313 | 30 |
| 80 | 63270 | 10981 | 89019 | 52290 | 20 |
| 90 | 63467 | 11201 | 88799 | 52266 | 10 |
| **30 oo** | 63663 | 11421 | 88579 | 52242 | **70 oo** |
| | **9·51** | **9·54** | **0·45** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **78g** |
| | 196 | 220 | 220 | 24 | |

| | 221 | 220 | 198 | 197 | 196 | 24 | 23 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 22,1 | 22,0 | 19,8 | 19,7 | 19,6 | 2,4 | 2,3 | 1 |
| 2 | 44,2 | 44,0 | 39,6 | 39,4 | 39,2 | 4,8 | 4,6 | 2 |
| 3 | 66,3 | 66,0 | 59,4 | 59,1 | 58,8 | 7,2 | 6,9 | 3 |
| 4 | 88,4 | 88,0 | 79,2 | 78,8 | 78,4 | 9,6 | 9,2 | 4 |
| 5 | 110,5 | 110,0 | 99,0 | 98,5 | 98,0 | 12,0 | 11,5 | 5 |
| 6 | 132,6 | 132,0 | 118,8 | 118,2 | 117,6 | 14,4 | 13,8 | 6 |
| 7 | 154,7 | 154,0 | 138,6 | 137,9 | 137,2 | 16,8 | 16,1 | 7 |
| 8 | 176,8 | 176,0 | 158,4 | 157,6 | 156,8 | 19,2 | 18,4 | 8 |
| 9 | 198,9 | 198,0 | 178,2 | 177,3 | 176,4 | 21,6 | 20,7 | 9 |

| 21g | 197 | 220 | 220 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.51** | **9.54** | **0.45** | **9.97** | |
| **30 oo** | 63663 | 11421 | 88579 | 52242 | **70 oo** |
| 10 | 63859 | 11640 | 88360 | 52219 | 90 |
| 20 | 64055 | 11860 | 88140 | 52195 | 80 |
| 30 | 64252 | 12080 | 87920 | 52171 | 70 |
| 40 | 64448 | 12300 | 87700 | 52147 | 60 |
| 50 | 64644 | 12520 | 87480 | 52124 | 50 |
| 60 | 64840 | 12740 | 87260 | 52100 | 40 |
| 70 | 65036 | 12960 | 87040 | 52076 | 30 |
| 80 | 65232 | 13180 | 86820 | 52053 | 20 |
| 90 | 65429 | 13400 | 86600 | 52029 | 10 |
| **31 oo** | 65625 | 13620 | 86380 | 52005 | **69 oo** |
| 10 | 65821 | 13839 | 86161 | 51981 | 90 |
| 20 | 66017 | 14059 | 85941 | 51958 | 80 |
| 30 | 66213 | 14279 | 85721 | 51934 | 70 |
| 40 | 66409 | 14499 | 85501 | 51910 | 60 |
| 50 | 66605 | 14719 | 85281 | 51886 | 50 |
| 60 | 66801 | 14939 | 85061 | 51863 | 40 |
| 70 | 66997 | 15158 | 84842 | 51839 | 30 |
| 80 | 67193 | 15378 | 84622 | 51815 | 20 |
| 90 | 67389 | 15598 | 84402 | 51792 | 10 |
| **32 oo** | 67585 | 15818 | 84182 | 51768 | **68 oo** |
| 10 | 67781 | 16037 | 83963 | 51744 | 90 |
| 20 | 67977 | 16257 | 83743 | 51720 | 80 |
| 30 | 68173 | 16477 | 83523 | 51697 | 70 |
| 40 | 68369 | 16697 | 83303 | 51673 | 60 |
| 50 | 68565 | 16916 | 83084 | 51649 | 50 |
| 60 | 68761 | 17136 | 82864 | 51625 | 40 |
| 70 | 68957 | 17356 | 82644 | 51602 | 30 |
| 80 | 69153 | 17576 | 82424 | 51578 | 20 |
| 90 | 69349 | 17795 | 82205 | 51554 | 10 |
| **33 oo** | 69545 | 18015 | 81985 | 51530 | **67 oo** |
| 10 | 69741 | 18235 | 81765 | 51507 | 90 |
| 20 | 69937 | 18454 | 81546 | 51483 | 80 |
| 30 | 70133 | 18674 | 81326 | 51459 | 70 |
| 40 | 70329 | 18894 | 81106 | 51435 | 60 |
| 50 | 70525 | 19113 | 80887 | 51412 | 50 |
| 60 | 70721 | 19333 | 80667 | 51388 | 40 |
| 70 | 70917 | 19553 | 80447 | 51364 | 30 |
| 80 | 71112 | 19772 | 80228 | 51340 | 20 |
| 90 | 71308 | 19992 | 80008 | 51316 | 10 |
| **34 oo** | 71504 | 20211 | 79789 | 51293 | **66 oo** |
| 10 | 71700 | 20431 | 79569 | 51269 | 90 |
| 20 | 71896 | 20651 | 79349 | 51245 | 80 |
| 30 | 72092 | 20870 | 79130 | 51221 | 70 |
| 40 | 72287 | 21090 | 78910 | 51198 | 60 |
| 50 | 72483 | 21309 | 78691 | 51174 | 50 |
| 60 | 72679 | 21529 | 78471 | 51150 | 40 |
| 70 | 72875 | 21748 | 78252 | 51126 | 30 |
| 80 | 73070 | 21968 | 78032 | 51103 | 20 |
| 90 | 73266 | 22187 | 77813 | 51079 | 10 |
| **35 oo** | 73462 | 22407 | 77593 | 51055 | **65 oo** |
| | **9.51** | **9.54** | **0.45** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 195 | 219 | 219 | 24 | |

| 21g | 196 | 220 | 220 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.51** | **9.54** | **0.45** | **9.97** | |
| **35 oo** | 73462 | 22407 | 77593 | 51055 | **65 oo** |
| 10 | 73658 | 22626 | 77374 | 51031 | 90 |
| 20 | 73853 | 22846 | 77154 | 51007 | 80 |
| 30 | 74049 | 23065 | 76935 | 50984 | 70 |
| 40 | 74245 | 23285 | 76715 | 50960 | 60 |
| 50 | 74440 | 23504 | 76496 | 50936 | 50 |
| 60 | 74636 | 23724 | 76276 | 50912 | 40 |
| 70 | 74832 | 23943 | 76057 | 50889 | 30 |
| 80 | 75027 | 24163 | 75837 | 50865 | 20 |
| 90 | 75223 | 24382 | 75618 | 50841 | 10 |
| **36 oo** | 75419 | 24602 | 75398 | 50817 | **64 oo** |
| 10 | 75614 | 24821 | 75179 | 50793 | 90 |
| 20 | 75810 | 25040 | 74960 | 50770 | 80 |
| 30 | 76006 | 25260 | 74740 | 50746 | 70 |
| 40 | 76201 | 25479 | 74521 | 50722 | 60 |
| 50 | 76397 | 25699 | 74301 | 50698 | 50 |
| 60 | 76592 | 25918 | 74082 | 50674 | 40 |
| 70 | 76788 | 26137 | 73863 | 50651 | 30 |
| 80 | 76983 | 26357 | 73643 | 50627 | 20 |
| 90 | 77179 | 26576 | 73424 | 50603 | 10 |
| **37 oo** | 77375 | 26795 | 73205 | 50579 | **63 oo** |
| 10 | 77570 | 27015 | 72985 | 50555 | 90 |
| 20 | 77766 | 27234 | 72766 | 50532 | 80 |
| 30 | 77961 | 27453 | 72547 | 50508 | 70 |
| 40 | 78157 | 27673 | 72327 | 50484 | 60 |
| 50 | 78352 | 27892 | 72108 | 50460 | 50 |
| 60 | 78548 | 28111 | 71889 | 50436 | 40 |
| 70 | 78743 | 28330 | 71670 | 50413 | 30 |
| 80 | 78939 | 28550 | 71450 | 50389 | 20 |
| 90 | 79134 | 28769 | 71231 | 50365 | 10 |
| **38 oo** | 79329 | 28988 | 71012 | 50341 | **62 oo** |
| 10 | 79525 | 29207 | 70793 | 50317 | 90 |
| 20 | 79720 | 29427 | 70573 | 50294 | 80 |
| 30 | 79916 | 29646 | 70354 | 50270 | 70 |
| 40 | 80111 | 29865 | 70135 | 50246 | 60 |
| 50 | 80306 | 30084 | 69916 | 50222 | 50 |
| 60 | 80502 | 30304 | 69696 | 50198 | 40 |
| 70 | 80697 | 30523 | 69477 | 50174 | 30 |
| 80 | 80893 | 30742 | 69258 | 50151 | 20 |
| 90 | 81088 | 30961 | 69039 | 50127 | 10 |
| **39 oo** | 81283 | 31180 | 68820 | 50103 | **61 oo** |
| 10 | 81479 | 31399 | 68601 | 50079 | 90 |
| 20 | 81674 | 31619 | 68381 | 50055 | 80 |
| 30 | 81869 | 31838 | 68162 | 50032 | 70 |
| 40 | 82065 | 32057 | 67943 | 50008 | 60 |
| 50 | 82260 | 32276 | 67724 | 49984 | 50 |
| 60 | 82455 | 32495 | 67505 | 49960 | 40 |
| 70 | 82650 | 32714 | 67286 | 49936 | 30 |
| 80 | 82846 | 32933 | 67067 | 49912 | 20 |
| 90 | 83041 | 33152 | 66848 | 49889 | 10 |
| **40 oo** | 83236 | 33371 | 66629 | 49865 | **60 oo** |
| | **9.51** | **9.54** | **0.45** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 195 | 219 | 219 | 24 | |

| | 220 | 219 | 197 | 196 | 195 | 24 | 23 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 22,0 | 21,9 | 19,7 | 19,6 | 19,5 | 2,4 | 2,3 | 1 |
| 2 | 44,0 | 43,8 | 39,4 | 39,2 | 39,0 | 4,8 | 4,6 | 2 |
| 3 | 66,0 | 65,7 | 59,1 | 58,8 | 58,5 | 7,2 | 6,9 | 3 |
| 4 | 88,0 | 87,6 | 78,8 | 78,4 | 78,0 | 9,6 | 9,2 | 4 |
| 5 | 110,0 | 109,5 | 98,5 | 98,0 | 97,5 | 12,0 | 11,5 | 5 |
| 6 | 132,0 | 131,4 | 118,2 | 117,6 | 117,0 | 14,4 | 13,8 | 6 |
| 7 | 154,0 | 153,3 | 137,9 | 137,2 | 136,5 | 16,8 | 16,1 | 7 |
| 8 | 176,0 | 175,2 | 157,6 | 156,8 | 156,0 | 19,2 | 18,4 | 8 |
| 9 | 198,0 | 197,1 | 177,3 | 176,4 | 175,5 | 21,6 | 20,7 | 9 |

| 21g | 196 | 220 | 220 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·51** | **9·54** | **0·45** | **9·97** | |
| **40 oo** | 83236 | 33371 | 66629 | 49865 | **60 oo** |
| 10 | 83431 | 33591 | 66409 | 49841 | 90 |
| 20 | 83627 | 33810 | 66190 | 49817 | 80 |
| 30 | 83822 | 34029 | 65971 | 49793 | 70 |
| 40 | 84017 | 34248 | 65752 | 49769 | 60 |
| 50 | 84212 | 34467 | 65533 | 49745 | 50 |
| 60 | 84407 | 34686 | 65314 | 49722 | 40 |
| 70 | 84603 | 34905 | 65095 | 49698 | 30 |
| 80 | 84798 | 35124 | 64876 | 49674 | 20 |
| 90 | 84993 | 35343 | 64657 | 49650 | 10 |
| **41 oo** | 85188 | 35562 | 64438 | 49626 | **59 oo** |
| 10 | 85383 | 35781 | 64219 | 49602 | 90 |
| 20 | 85578 | 36000 | 64000 | 49579 | 80 |
| 30 | 85773 | 36219 | 63781 | 49555 | 70 |
| 40 | 85969 | 36438 | 63562 | 49531 | 60 |
| 50 | 86164 | 36657 | 63343 | 49507 | 50 |
| 60 | 86359 | 36876 | 63124 | 49483 | 40 |
| 70 | 86554 | 37095 | 62905 | 49459 | 30 |
| 80 | 86749 | 37313 | 62687 | 49435 | 20 |
| 90 | 86944 | 37532 | 62468 | 49412 | 10 |
| **42 oo** | 87139 | 37751 | 62249 | 49388 | **58 oo** |
| 10 | 87334 | 37970 | 62030 | 49364 | 90 |
| 20 | 87529 | 38189 | 61811 | 49340 | 80 |
| 30 | 87724 | 38408 | 61592 | 49316 | 70 |
| 40 | 87919 | 38627 | 61373 | 49292 | 60 |
| 50 | 88114 | 38846 | 61154 | 49268 | 50 |
| 60 | 88309 | 39065 | 60935 | 49245 | 40 |
| 70 | 88504 | 39283 | 60717 | 49221 | 30 |
| 80 | 88699 | 39502 | 60498 | 49197 | 20 |
| 90 | 88894 | 39721 | 60279 | 49173 | 10 |
| **43 oo** | 89089 | 39940 | 60060 | 49149 | **57 oo** |
| 10 | 89284 | 40159 | 59841 | 49125 | 90 |
| 20 | 89479 | 40377 | 59623 | 49101 | 80 |
| 30 | 89674 | 40596 | 59404 | 49077 | 70 |
| 40 | 89869 | 40815 | 59185 | 49054 | 60 |
| 50 | 90064 | 41034 | 58966 | 49030 | 50 |
| 60 | 90258 | 41253 | 58747 | 49006 | 40 |
| 70 | 90453 | 41471 | 58529 | 48982 | 30 |
| 80 | 90648 | 41690 | 58310 | 48958 | 20 |
| 90 | 90843 | 41909 | 58091 | 48934 | 10 |
| **44 oo** | 91038 | 42128 | 57872 | 48910 | **56 oo** |
| 10 | 91233 | 42346 | 57654 | 48886 | 90 |
| 20 | 91428 | 42565 | 57435 | 48863 | 80 |
| 30 | 91622 | 42784 | 57216 | 48839 | 70 |
| 40 | 91817 | 43002 | 56998 | 48815 | 60 |
| 50 | 92012 | 43221 | 56779 | 48791 | 50 |
| 60 | 92207 | 43440 | 56560 | 48767 | 40 |
| 70 | 92402 | 43659 | 56341 | 48743 | 30 |
| 80 | 92596 | 43877 | 56123 | 48719 | 20 |
| 90 | 92791 | 44096 | 55904 | 48695 | 10 |
| **45 oo** | 92986 | 44314 | 55686 | 48671 | **55 oo** |
| | **9·51** | **9·54** | **0·45** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 194 | 218 | 218 | 24 | |

| 21g | 195 | 219 | 219 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·51** | **9·54** | **0·45** | **9·97** | |
| **45 oo** | 92986 | 44314 | 55686 | 48671 | **55 oo** |
| 10 | 93181 | 44533 | 55467 | 48647 | 90 |
| 20 | 93375 | 44752 | 55248 | 48624 | 80 |
| 30 | 93570 | 44970 | 55030 | 48600 | 70 |
| 40 | 93765 | 45189 | 54811 | 48576 | 60 |
| 50 | 93959 | 45408 | 54592 | 48552 | 50 |
| 60 | 94154 | 45626 | 54374 | 48528 | 40 |
| 70 | 94349 | 45845 | 54155 | 48504 | 30 |
| 80 | 94544 | 46063 | 53937 | 48480 | 20 |
| 90 | 94738 | 46282 | 53718 | 48456 | 10 |
| **46 oo** | 94933 | 46500 | 53500 | 48432 | **54 oo** |
| 10 | 95127 | 46719 | 53281 | 48408 | 90 |
| 20 | 95322 | 46938 | 53062 | 48385 | 80 |
| 30 | 95517 | 47156 | 52844 | 48361 | 70 |
| 40 | 95711 | 47375 | 52625 | 48337 | 60 |
| 50 | 95906 | 47593 | 52407 | 48313 | 50 |
| 60 | 96101 | 47812 | 52188 | 48289 | 40 |
| 70 | 96295 | 48030 | 51970 | 48265 | 30 |
| 80 | 96490 | 48249 | 51751 | 48241 | 20 |
| 90 | 96684 | 48467 | 51533 | 48217 | 10 |
| **47 oo** | 96879 | 48686 | 51314 | 48193 | **53 oo** |
| 10 | 97073 | 48904 | 51096 | 48169 | 90 |
| 20 | 97268 | 49123 | 50877 | 48145 | 80 |
| 30 | 97462 | 49341 | 50659 | 48121 | 70 |
| 40 | 97657 | 49559 | 50441 | 48098 | 60 |
| 50 | 97851 | 49778 | 50222 | 48074 | 50 |
| 60 | 98046 | 49996 | 50004 | 48050 | 40 |
| 70 | 98240 | 50215 | 49785 | 48026 | 30 |
| 80 | 98435 | 50433 | 49567 | 48002 | 20 |
| 90 | 98629 | 50652 | 49348 | 47978 | 10 |
| **48 oo** | 98824 | 50870 | 49130 | 47954 | **52 oo** |
| 10 | 99018 | 51088 | 48912 | 47930 | 90 |
| 20 | 99213 | 51307 | 48693 | 47906 | 80 |
| 30 | 99407 | 51525 | 48475 | 47882 | 70 |
| 40 | 99602 | 51743 | 48257 | 47858 | 60 |
| 50 | 99796 | 51962 | 48038 | 47834 | 50 |
| 60 | 99990 | 52180 | 47820 | 47810 | 40 |
| 70 | *00185 | 52398 | 47602 | 47786 | 30 |
| 80 | *00379 | 52617 | 47383 | 47762 | 20 |
| 90 | *00574 | 52835 | 47165 | 47738 | 10 |
| **49 oo** | *00768 | 53053 | 46947 | 47715 | **51 oo** |
| 10 | *00962 | 53272 | 46728 | 47691 | 90 |
| 20 | *01157 | 53490 | 46510 | 47667 | 80 |
| 30 | *01351 | 53708 | 46292 | 47643 | 70 |
| 40 | *01545 | 53927 | 46073 | 47619 | 60 |
| 50 | *01740 | 54145 | 45855 | 47595 | 50 |
| 60 | *01934 | 54363 | 45637 | 47571 | 40 |
| 70 | *02128 | 54581 | 45419 | 47547 | 30 |
| 80 | *02322 | 54800 | 45200 | 47523 | 20 |
| 90 | *02517 | 55018 | 44982 | 47499 | 10 |
| **50 oo** | *02711 | 55236 | 44764 | 47475 | **50 oo** |
| | ***9·52** | **9·54** | **0·45** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 194 | 218 | 218 | 24 | |

| | 220 | 219 | 218 | 196 | 195 | 194 | 24 | 23 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22,0 | 21,9 | 21,8 | 19,6 | 19,5 | 19,4 | 2,4 | 2,3 | 1 |
| 2 | 44,0 | 43,8 | 43,6 | 39,2 | 39,0 | 38,8 | 4,8 | 4,6 | 2 |
| 3 | 66,0 | 65,7 | 65,4 | 58,8 | 58,5 | 58,2 | 7,2 | 6,9 | 3 |
| 4 | 88,0 | 87,6 | 87,2 | 78,4 | 78,0 | 77,6 | 9,6 | 9,2 | 4 |
| 5 | 110,0 | 109,5 | 109,0 | 98,0 | 97,5 | 97,0 | 12,0 | 11,5 | 5 |
| 6 | 132,0 | 131,4 | 130,8 | 117,6 | 117,0 | 116,4 | 14,4 | 13,8 | 6 |
| 7 | 154,0 | 153,3 | 152,6 | 137,2 | 136,5 | 135,8 | 16,8 | 16,1 | 7 |
| 8 | 176,0 | 175,2 | 174,4 | 156,8 | 156,0 | 155,2 | 19,2 | 18,4 | 8 |
| 9 | 198,0 | 197,1 | 196,2 | 176,4 | 175,5 | 174,6 | 21,6 | 20,7 | 9 |

| 21g | 195 | 219 | 219 | 23 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·52** | **9·54** | **0·45** | **9·97** | |
| **50 oo** | 02711 | 55236 | 44764 | 47475 | **50 oo** |
| 10 | 02905 | 55454 | 44546 | 47451 | 90 |
| 20 | 03100 | 55672 | 44328 | 47427 | 80 |
| 30 | 03294 | 55891 | 44109 | 47403 | 70 |
| 40 | 03488 | 56109 | 43891 | 47379 | 60 |
| 50 | 03682 | 56327 | 43673 | 47355 | 50 |
| 60 | 03876 | 56545 | 43455 | 47331 | 40 |
| 70 | 04071 | 56763 | 43237 | 47307 | 30 |
| 80 | 04265 | 56981 | 43019 | 47283 | 20 |
| 90 | 04459 | 57200 | 42800 | 47259 | 10 |
| **51 oo** | 04653 | 57418 | 42582 | 47235 | **49 oo** |
| 10 | 04847 | 57636 | 42364 | 47211 | 90 |
| 20 | 05041 | 57854 | 42146 | 47187 | 80 |
| 30 | 05236 | 58072 | 41928 | 47163 | 70 |
| 40 | 05430 | 58290 | 41710 | 47140 | 60 |
| 50 | 05624 | 58508 | 41492 | 47116 | 50 |
| 60 | 05818 | 58726 | 41274 | 47092 | 40 |
| 70 | 06012 | 58944 | 41056 | 47068 | 30 |
| 80 | 06206 | 59162 | 40838 | 47044 | 20 |
| 90 | 06400 | 59381 | 40619 | 47020 | 10 |
| **52 oo** | 06594 | 59599 | 40401 | 46996 | **48 oo** |
| 10 | 06788 | 59817 | 40183 | 46972 | 90 |
| 20 | 06982 | 60035 | 39965 | 46948 | 80 |
| 30 | 07176 | 60253 | 39747 | 46924 | 70 |
| 40 | 07370 | 60471 | 39529 | 46900 | 60 |
| 50 | 07564 | 60689 | 39311 | 46876 | 50 |
| 60 | 07758 | 60907 | 39093 | 46852 | 40 |
| 70 | 07952 | 61125 | 38875 | 46828 | 30 |
| 80 | 08146 | 61343 | 38657 | 46804 | 20 |
| 90 | 08340 | 61561 | 38439 | 46780 | 10 |
| **53 oo** | 08534 | 61779 | 38221 | 46756 | **47 oo** |
| 10 | 08728 | 61997 | 38003 | 46732 | 90 |
| 20 | 08922 | 62214 | 37786 | 46708 | 80 |
| 30 | 09116 | 62432 | 37568 | 46684 | 70 |
| 40 | 09310 | 62650 | 37350 | 46660 | 60 |
| 50 | 09504 | 62868 | 37132 | 46636 | 50 |
| 60 | 09698 | 63086 | 36914 | 46612 | 40 |
| 70 | 09892 | 63304 | 36696 | 46588 | 30 |
| 80 | 10086 | 63522 | 36478 | 46564 | 20 |
| 90 | 10280 | 63740 | 36260 | 46540 | 10 |
| **54 oo** | 10474 | 63958 | 36042 | 46516 | **46 oo** |
| 10 | 10667 | 64176 | 35824 | 46492 | 90 |
| 20 | 10861 | 64393 | 35607 | 46468 | 80 |
| 30 | 11055 | 64611 | 35389 | 46444 | 70 |
| 40 | 11249 | 64829 | 35171 | 46420 | 60 |
| 50 | 11443 | 65047 | 34953 | 46396 | 50 |
| 60 | 11637 | 65265 | 34735 | 46372 | 40 |
| 70 | 11830 | 65483 | 34517 | 46348 | 30 |
| 80 | 12024 | 65700 | 34300 | 46324 | 20 |
| 90 | 12218 | 65918 | 34082 | 46300 | 10 |
| **55 oo** | 12412 | 66136 | 33864 | 46276 | **45 oo** |
| | **9·52** | **9·54** | **0·45** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 193 | 217 | 217 | 24 | 78g |

| 21g | 194 | 218 | 218 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·52** | **9·54** | **0·45** | **9·97** | |
| **55 oo** | 12412 | 66136 | 33864 | 46276 | **45 oo** |
| 10 | 12606 | 66354 | 33646 | 46252 | 90 |
| 20 | 12799 | 66572 | 33428 | 46228 | 80 |
| 30 | 12993 | 66789 | 33211 | 46204 | 70 |
| 40 | 13187 | 67007 | 32993 | 46180 | 60 |
| 50 | 13380 | 67225 | 32775 | 46156 | 50 |
| 60 | 13574 | 67443 | 32557 | 46132 | 40 |
| 70 | 13768 | 67660 | 32340 | 46108 | 30 |
| 80 | 13962 | 67878 | 32122 | 46084 | 20 |
| 90 | 14155 | 68096 | 31904 | 46059 | 10 |
| **56 oo** | 14349 | 68314 | 31686 | 46035 | **44 oo** |
| 10 | 14543 | 68531 | 31469 | 46011 | 90 |
| 20 | 14736 | 68749 | 31251 | 45987 | 80 |
| 30 | 14930 | 68967 | 31033 | 45963 | 70 |
| 40 | 15124 | 69184 | 30816 | 45939 | 60 |
| 50 | 15317 | 69402 | 30598 | 45915 | 50 |
| 60 | 15511 | 69620 | 30380 | 45891 | 40 |
| 70 | 15704 | 69837 | 30163 | 45867 | 30 |
| 80 | 15898 | 70055 | 29945 | 45843 | 20 |
| 90 | 16092 | 70273 | 29727 | 45819 | 10 |
| **57 oo** | 16285 | 70490 | 29510 | 45795 | **43 oo** |
| 10 | 16479 | 70708 | 29292 | 45771 | 90 |
| 20 | 16672 | 70925 | 29075 | 45747 | 80 |
| 30 | 16866 | 71143 | 28857 | 45723 | 70 |
| 40 | 17059 | 71361 | 28639 | 45699 | 60 |
| 50 | 17253 | 71578 | 28422 | 45675 | 50 |
| 60 | 17447 | 71796 | 28204 | 45651 | 40 |
| 70 | 17640 | 72013 | 27987 | 45627 | 30 |
| 80 | 17834 | 72231 | 27769 | 45603 | 20 |
| 90 | 18027 | 72448 | 27552 | 45579 | 10 |
| **58 oo** | 18221 | 72666 | 27334 | 45555 | **42 oo** |
| 10 | 18414 | 72883 | 27117 | 45531 | 90 |
| 20 | 18607 | 73101 | 26899 | 45507 | 80 |
| 30 | 18801 | 73318 | 26682 | 45482 | 70 |
| 40 | 18994 | 73536 | 26464 | 45458 | 60 |
| 50 | 19188 | 73753 | 26247 | 45434 | 50 |
| 60 | 19381 | 73971 | 26029 | 45410 | 40 |
| 70 | 19575 | 74188 | 25812 | 45386 | 30 |
| 80 | 19768 | 74406 | 25594 | 45362 | 20 |
| 90 | 19961 | 74623 | 25377 | 45338 | 10 |
| **59 oo** | 20155 | 74841 | 25159 | 45314 | **41 oo** |
| 10 | 20348 | 75058 | 24942 | 45290 | 90 |
| 20 | 20542 | 75276 | 24724 | 45266 | 80 |
| 30 | 20735 | 75493 | 24507 | 45242 | 70 |
| 40 | 20928 | 75711 | 24289 | 45218 | 60 |
| 50 | 21122 | 75928 | 24072 | 45194 | 50 |
| 60 | 21315 | 76145 | 23855 | 45170 | 40 |
| 70 | 21508 | 76363 | 23637 | 45146 | 30 |
| 80 | 21702 | 76580 | 23420 | 45121 | 20 |
| 90 | 21895 | 76798 | 23202 | 45097 | 10 |
| **60 oo** | 22088 | 77015 | 22985 | 45073 | **40 oo** |
| | **9·52** | **9·54** | **0·45** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 193 | 217 | 217 | 25 | 78g |

| | 219 | 218 | 217 | 195 | 194 | 193 | 25 | 24 | 23 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21,9 | 21,8 | 21,7 | 19,5 | 19,4 | 19,3 | 2,5 | 2,4 | 2,3 | 1 |
| 2 | 43,8 | 43,6 | 43,4 | 39,0 | 38,8 | 38,6 | 5,0 | 4,8 | 4,6 | 2 |
| 3 | 65,7 | 65,4 | 65,1 | 58,5 | 58,2 | 57,9 | 7,5 | 7,2 | 6,9 | 3 |
| 4 | 87,6 | 87,2 | 86,8 | 78,0 | 77,6 | 77,2 | 10,0 | 9,6 | 9,2 | 4 |
| 5 | 109,5 | 109,0 | 108,5 | 97,5 | 97,0 | 96,5 | 12,5 | 12,0 | 11,5 | 5 |
| 6 | 131,4 | 130,8 | 130,2 | 117,0 | 116,4 | 115,8 | 15,0 | 14,4 | 13,8 | 6 |
| 7 | 153,3 | 152,6 | 151,9 | 136,5 | 135,8 | 135,1 | 17,5 | 16,8 | 16,1 | 7 |
| 8 | 175,2 | 174,4 | 173,6 | 156,0 | 155,2 | 154,4 | 20,0 | 19,2 | 18,4 | 8 |
| 9 | 197,1 | 196,2 | 195,3 | 175,5 | 174,6 | 173,7 | 22,5 | 21,6 | 20,7 | 9 |

| 21g | 194 | 218 | 218 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·52** | **9·54** | **0·45** | **9·97** | |
| **60 oo** | 22088 | 77015 | 22985 | 45073 | **40 oo** |
| 10 | 22282 | 77232 | 22768 | 45049 | 90 |
| 20 | 22475 | 77450 | 22550 | 45025 | 80 |
| 30 | 22668 | 77667 | 22333 | 45001 | 70 |
| 40 | 22861 | 77884 | 22116 | 44977 | 60 |
| 50 | 23055 | 78102 | 21898 | 44953 | 50 |
| 60 | 23248 | 78319 | 21681 | 44929 | 40 |
| 70 | 23441 | 78536 | 21464 | 44905 | 30 |
| 80 | 23634 | 78754 | 21246 | 44881 | 20 |
| 90 | 23827 | 78971 | 21029 | 44857 | 10 |
| **61 oo** | 24021 | 79188 | 20812 | 44833 | **39 oo** |
| 10 | 24214 | 79405 | 20595 | 44808 | 90 |
| 20 | 24407 | 79623 | 20377 | 44784 | 80 |
| 30 | 24600 | 79840 | 20160 | 44760 | 70 |
| 40 | 24793 | 80057 | 19943 | 44736 | 60 |
| 50 | 24986 | 80274 | 19726 | 44712 | 50 |
| 60 | 25180 | 80492 | 19508 | 44688 | 40 |
| 70 | 25373 | 80709 | 19291 | 44664 | 30 |
| 80 | 25566 | 80926 | 19074 | 44640 | 20 |
| 90 | 25759 | 81143 | 18857 | 44616 | 10 |
| **62 oo** | 25952 | 81360 | 18640 | 44592 | **38 oo** |
| 10 | 26145 | 81578 | 18422 | 44567 | 90 |
| 20 | 26338 | 81795 | 18205 | 44543 | 80 |
| 30 | 26531 | 82012 | 17988 | 44519 | 70 |
| 40 | 26724 | 82229 | 17771 | 44495 | 60 |
| 50 | 26917 | 82446 | 17554 | 44471 | 50 |
| 60 | 27110 | 82663 | 17337 | 44447 | 40 |
| 70 | 27303 | 82881 | 17119 | 44423 | 30 |
| 80 | 27496 | 83098 | 16902 | 44399 | 20 |
| 90 | 27689 | 83315 | 16685 | 44375 | 10 |
| **63 oo** | 27882 | 83532 | 16468 | 44350 | **37 oo** |
| 10 | 28075 | 83749 | 16251 | 44326 | 90 |
| 20 | 28268 | 83966 | 16034 | 44302 | 80 |
| 30 | 28461 | 84183 | 15817 | 44278 | 70 |
| 40 | 28654 | 84400 | 15600 | 44254 | 60 |
| 50 | 28847 | 84617 | 15383 | 44230 | 50 |
| 60 | 29040 | 84835 | 15165 | 44206 | 40 |
| 70 | 29233 | 85052 | 14948 | 44182 | 30 |
| 80 | 29426 | 85269 | 14731 | 44158 | 20 |
| 90 | 29619 | 85486 | 14514 | 44133 | 10 |
| **64 oo** | 29812 | 85703 | 14297 | 44109 | **36 oo** |
| 10 | 30005 | 85920 | 14080 | 44085 | 90 |
| 20 | 30198 | 86137 | 13863 | 44061 | 80 |
| 30 | 30391 | 86354 | 13646 | 44037 | 70 |
| 40 | 30583 | 86571 | 13429 | 44013 | 60 |
| 50 | 30776 | 86788 | 13212 | 43989 | 50 |
| 60 | 30969 | 87005 | 12995 | 43965 | 40 |
| 70 | 31162 | 87222 | 12778 | 43940 | 30 |
| 80 | 31355 | 87439 | 12561 | 43916 | 20 |
| 90 | 31548 | 87656 | 12344 | 43892 | 10 |
| **65 oo** | 31740 | 87873 | 12127 | 43868 | **35 oo** |
| | **9·52** | **9·54** | **0·45** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 192 | 217 | 217 | 25 | |

| 21g | 193 | 217 | 217 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·52** | **9·54** | **0·45** | **9·97** | |
| **65 oo** | 31740 | 87873 | 12127 | 43868 | **35 oo** |
| 10 | 31933 | 88089 | 11911 | 43844 | 90 |
| 20 | 32126 | 88306 | 11694 | 43820 | 80 |
| 30 | 32319 | 88523 | 11477 | 43796 | 70 |
| 40 | 32512 | 88740 | 11260 | 43771 | 60 |
| 50 | 32704 | 88957 | 11043 | 43747 | 50 |
| 60 | 32897 | 89174 | 10826 | 43723 | 40 |
| 70 | 33090 | 89391 | 10609 | 43699 | 30 |
| 80 | 33283 | 89608 | 10392 | 43675 | 20 |
| 90 | 33475 | 89825 | 10175 | 43651 | 10 |
| **66 oo** | 33668 | 90042 | 09958 | 43627 | **34 oo** |
| 10 | 33861 | 90258 | 09742 | 43602 | 90 |
| 20 | 34053 | 90475 | 09525 | 43578 | 80 |
| 30 | 34246 | 90692 | 09308 | 43554 | 70 |
| 40 | 34439 | 90909 | 09091 | 43530 | 60 |
| 50 | 34631 | 91126 | 08874 | 43506 | 50 |
| 60 | 34824 | 91343 | 08657 | 43482 | 40 |
| 70 | 35017 | 91559 | 08441 | 43457 | 30 |
| 80 | 35209 | 91776 | 08224 | 43433 | 20 |
| 90 | 35402 | 91993 | 08007 | 43409 | 10 |
| **67 oo** | 35595 | 92210 | 07790 | 43385 | **33 oo** |
| 10 | 35787 | 92426 | 07574 | 43361 | 90 |
| 20 | 35980 | 92643 | 07357 | 43337 | 80 |
| 30 | 36172 | 92860 | 07140 | 43312 | 70 |
| 40 | 36365 | 93077 | 06923 | 43288 | 60 |
| 50 | 36558 | 93293 | 06707 | 43264 | 50 |
| 60 | 36750 | 93510 | 06490 | 43240 | 40 |
| 70 | 36943 | 93727 | 06273 | 43216 | 30 |
| 80 | 37135 | 93944 | 06056 | 43192 | 20 |
| 90 | 37328 | 94160 | 05840 | 43167 | 10 |
| **68 oo** | 37520 | 94377 | 05623 | 43143 | **32 oo** |
| 10 | 37713 | 94594 | 05406 | 43119 | 90 |
| 20 | 37905 | 94810 | 05190 | 43095 | 80 |
| 30 | 38098 | 95027 | 04973 | 43071 | 70 |
| 40 | 38290 | 95244 | 04756 | 43047 | 60 |
| 50 | 38483 | 95460 | 04540 | 43022 | 50 |
| 60 | 38675 | 95677 | 04323 | 42998 | 40 |
| 70 | 38868 | 95894 | 04106 | 42974 | 30 |
| 80 | 39060 | 96110 | 03890 | 42950 | 20 |
| 90 | 39253 | 96327 | 03673 | 42926 | 10 |
| **69 oo** | 39445 | 96543 | 03457 | 42902 | **31 oo** |
| 10 | 39637 | 96760 | 03240 | 42877 | 90 |
| 20 | 39830 | 96977 | 03023 | 42853 | 80 |
| 30 | 40022 | 97193 | 02807 | 42829 | 70 |
| 40 | 40215 | 97410 | 02590 | 42805 | 60 |
| 50 | 40407 | 97626 | 02374 | 42781 | 50 |
| 60 | 40599 | 97843 | 02157 | 42756 | 40 |
| 70 | 40792 | 98059 | 01941 | 42732 | 30 |
| 80 | 40984 | 98276 | 01724 | 42708 | 20 |
| 90 | 41176 | 98493 | 01507 | 42684 | 10 |
| **70 oo** | 41369 | 98709 | 01291 | 42660 | **30 oo** |
| | **9·52** | **9·54** | **0·45** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 192 | 216 | 216 | 25 | |

| | 218 | 217 | 216 | 194 | 193 | 192 | 25 | 24 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21,8 | 21,7 | 21,6 | 19,4 | 19,3 | 19,2 | 2,5 | 2,4 | 1 |
| 2 | 43,6 | 43,4 | 43,2 | 38,8 | 38,6 | 38,4 | 5,0 | 4,8 | 2 |
| 3 | 65,4 | 65,1 | 64,8 | 58,2 | 57,9 | 57,6 | 7,5 | 7,2 | 3 |
| 4 | 87,2 | 86,8 | 86,4 | 77,6 | 77,2 | 76,8 | 10,0 | 9,6 | 4 |
| 5 | 109,0 | 108,5 | 108,0 | 97,0 | 96,5 | 96,0 | 12,5 | 12,0 | 5 |
| 6 | 130,8 | 130,2 | 129,6 | 116,4 | 115,8 | 115,2 | 15,0 | 14,4 | 6 |
| 7 | 152,6 | 151,9 | 151,2 | 135,8 | 135,1 | 134,4 | 17,5 | 16,8 | 7 |
| 8 | 174,4 | 173,6 | 172,8 | 155,2 | 154,4 | 153,6 | 20,0 | 19,2 | 8 |
| 9 | 196,2 | 195,3 | 194,4 | 174,6 | 173,7 | 172,8 | 22,5 | 21,6 | 9 |

| 21g | 193 | 217 | 217 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·52** | ***9·54** | ***0·45** | **9·97** | |
| **70 oo** | 41369 | *98709 | *01291 | 42660 | **30 oo** |
| 10 | 41561 | *98926 | *01074 | 42635 | 90 |
| 20 | 41753 | *99142 | *00858 | 42611 | 80 |
| 30 | 41946 | *99359 | *00641 | 42587 | 70 |
| 40 | 42138 | *99575 | *00425 | 42563 | 60 |
| 50 | 42330 | *99792 | *00208 | 42539 | 50 |
| 60 | 42522 | 00008 | 99992 | 42514 | 40 |
| 70 | 42715 | 00225 | 99775 | 42490 | 30 |
| 80 | 42907 | 00441 | 99559 | 42466 | 20 |
| 90 | 43099 | 00657 | 99343 | 42442 | 10 |
| **71 oo** | 43291 | 00874 | 99126 | 42418 | **29 oo** |
| 10 | 43484 | 01090 | 98910 | 42393 | 90 |
| 20 | 43676 | 01307 | 98693 | 42369 | 80 |
| 30 | 43868 | 01523 | 98477 | 42345 | 70 |
| 40 | 44060 | 01740 | 98260 | 42321 | 60 |
| 50 | 44252 | 01956 | 98044 | 42296 | 50 |
| 60 | 44445 | 02172 | 97828 | 42272 | 40 |
| 70 | 44637 | 02389 | 97611 | 42248 | 30 |
| 80 | 44829 | 02605 | 97395 | 42224 | 20 |
| 90 | 45021 | 02821 | 97179 | 42200 | 10 |
| **72 oo** | 45213 | 03038 | 96962 | 42175 | **28 oo** |
| 10 | 45405 | 03254 | 96746 | 42151 | 90 |
| 20 | 45598 | 03471 | 96529 | 42127 | 80 |
| 30 | 45790 | 03687 | 96313 | 42103 | 70 |
| 40 | 45982 | 03903 | 96097 | 42079 | 60 |
| 50 | 46174 | 04120 | 95880 | 42054 | 50 |
| 60 | 46366 | 04336 | 95664 | 42030 | 40 |
| 70 | 46558 | 04552 | 95448 | 42006 | 30 |
| 80 | 46750 | 04768 | 95232 | 41982 | 20 |
| 90 | 46942 | 04985 | 95015 | 41957 | 10 |
| **73 oo** | 47134 | 05201 | 94799 | 41933 | **27 oo** |
| 10 | 47326 | 05417 | 94583 | 41909 | 90 |
| 20 | 47518 | 05634 | 94366 | 41885 | 80 |
| 30 | 47710 | 05850 | 94150 | 41860 | 70 |
| 40 | 47902 | 06066 | 93934 | 41836 | 60 |
| 50 | 48094 | 06282 | 93718 | 41812 | 50 |
| 60 | 48286 | 06498 | 93502 | 41788 | 40 |
| 70 | 48478 | 06715 | 93285 | 41763 | 30 |
| 80 | 48670 | 06931 | 93069 | 41739 | 20 |
| 90 | 48862 | 07147 | 92853 | 41715 | 10 |
| **74 oo** | 49054 | 07363 | 92637 | 41691 | **26 oo** |
| 10 | 49246 | 07579 | 92421 | 41666 | 90 |
| 20 | 49438 | 07796 | 92204 | 41642 | 80 |
| 30 | 49630 | 08012 | 91988 | 41618 | 70 |
| 40 | 49822 | 08228 | 91772 | 41594 | 60 |
| 50 | 50014 | 08444 | 91556 | 41569 | 50 |
| 60 | 50205 | 08660 | 91340 | 41545 | 40 |
| 70 | 50397 | 08876 | 91124 | 41521 | 30 |
| 80 | 50589 | 09092 | 90908 | 41497 | 20 |
| 90 | 50781 | 09309 | 90691 | 41472 | 10 |
| **75 oo** | 50973 | 09525 | 90475 | 41448 | **25 oo** |
| | **9·52** | **9·55** | **0·44** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 191 | 216 | 216 | 25 | |

| 21g | 192 | 216 | 216 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·52** | **9·55** | **0·44** | **9·97** | |
| **75 oo** | 50973 | 09525 | 90475 | 41448 | **25 oo** |
| 10 | 51165 | 09741 | 90259 | 41424 | 90 |
| 20 | 51357 | 09957 | 90043 | 41400 | 80 |
| 30 | 51548 | 10173 | 89827 | 41375 | 70 |
| 40 | 51740 | 10389 | 89611 | 41351 | 60 |
| 50 | 51932 | 10605 | 89395 | 41327 | 50 |
| 60 | 52124 | 10821 | 89179 | 41303 | 40 |
| 70 | 52316 | 11037 | 88963 | 41278 | 30 |
| 80 | 52507 | 11253 | 88747 | 41254 | 20 |
| 90 | 52699 | 11469 | 88531 | 41230 | 10 |
| **76 oo** | 52891 | 11685 | 88315 | 41206 | **24 oo** |
| 10 | 53083 | 11901 | 88099 | 41181 | 90 |
| 20 | 53274 | 12117 | 87883 | 41157 | 80 |
| 30 | 53466 | 12333 | 87667 | 41133 | 70 |
| 40 | 53658 | 12549 | 87451 | 41108 | 60 |
| 50 | 53850 | 12765 | 87235 | 41084 | 50 |
| 60 | 54041 | 12981 | 87019 | 41060 | 40 |
| 70 | 54233 | 13197 | 86803 | 41036 | 30 |
| 80 | 54425 | 13413 | 86587 | 41011 | 20 |
| 90 | 54616 | 13629 | 86371 | 40987 | 10 |
| **77 oo** | 54808 | 13845 | 86155 | 40963 | **23 oo** |
| 10 | 55000 | 14061 | 85939 | 40939 | 90 |
| 20 | 55191 | 14277 | 85723 | 40914 | 80 |
| 30 | 55383 | 14493 | 85507 | 40890 | 70 |
| 40 | 55574 | 14709 | 85291 | 40866 | 60 |
| 50 | 55766 | 14925 | 85075 | 40841 | 50 |
| 60 | 55958 | 15141 | 84859 | 40817 | 40 |
| 70 | 56149 | 15356 | 84644 | 40793 | 30 |
| 80 | 56341 | 15572 | 84428 | 40768 | 20 |
| 90 | 56532 | 15788 | 84212 | 40744 | 10 |
| **78 oo** | 56724 | 16004 | 83996 | 40720 | **22 oo** |
| 10 | 56916 | 16220 | 83780 | 40696 | 90 |
| 20 | 57107 | 16436 | 83564 | 40671 | 80 |
| 30 | 57299 | 16652 | 83348 | 40647 | 70 |
| 40 | 57490 | 16867 | 83133 | 40623 | 60 |
| 50 | 57682 | 17083 | 82917 | 40598 | 50 |
| 60 | 57873 | 17299 | 82701 | 40574 | 40 |
| 70 | 58065 | 17515 | 82485 | 40550 | 30 |
| 80 | 58256 | 17731 | 82269 | 40526 | 20 |
| 90 | 58448 | 17946 | 82054 | 40501 | 10 |
| **79 oo** | 58639 | 18162 | 81838 | 40477 | **21 oo** |
| 10 | 58831 | 18378 | 81622 | 40453 | 90 |
| 20 | 59022 | 18594 | 81406 | 40428 | 80 |
| 30 | 59213 | 18809 | 81191 | 40404 | 70 |
| 40 | 59405 | 19025 | 80975 | 40380 | 60 |
| 50 | 59596 | 19241 | 80759 | 40355 | 50 |
| 60 | 59788 | 19457 | 80543 | 40331 | 40 |
| 70 | 59979 | 19672 | 80328 | 40307 | 30 |
| 80 | 60171 | 19888 | 80112 | 40282 | 20 |
| 90 | 60362 | 20104 | 79896 | 40258 | 10 |
| **80 oo** | 60553 | 20319 | 79681 | 40234 | **20 oo** |
| | **9·52** | **9·55** | **0·44** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 191 | 215 | 215 | 25 | |

| | 217 | 216 | 215 | 193 | 192 | 191 | 25 | 24 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21,7 | 21,6 | 21,5 | 19,3 | 19,2 | 19,1 | 2,5 | 2,4 | 1 |
| 2 | 43,4 | 43,2 | 43,0 | 38,6 | 38,4 | 38,2 | 5,0 | 4,8 | 2 |
| 3 | 65,1 | 64,8 | 64,5 | 57,9 | 57,6 | 57,3 | 7,5 | 7,2 | 3 |
| 4 | 86,8 | 86,4 | 86,0 | 77,2 | 76,8 | 76,4 | 10,0 | 9,6 | 4 |
| 5 | 108,5 | 108,0 | 107,5 | 96,5 | 96,0 | 95,5 | 12,5 | 12,0 | 5 |
| 6 | 130,2 | 129,6 | 129,0 | 115,8 | 115,2 | 114,6 | 15,0 | 14,4 | 6 |
| 7 | 151,9 | 151,2 | 150,5 | 135,1 | 134,4 | 133,7 | 17,5 | 16,8 | 7 |
| 8 | 173,6 | 172,8 | 172,0 | 154,4 | 153,6 | 152,8 | 20,0 | 19,2 | 8 |
| 9 | 195,3 | 194,4 | 193,5 | 173,7 | 172,8 | 171,9 | 22,5 | 21,6 | 9 |

| 21g | 192 | 216 | 216 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.52** | **9.55** | **0.44** | **9.97** | |
| **80 oo** | 60553 | 20319 | 79681 | 40234 | **20 oo** |
| 10 | 60745 | 20535 | 79465 | 40209 | 90 |
| 20 | 60936 | 20751 | 79249 | 40185 | 80 |
| 30 | 61127 | 20967 | 79033 | 40161 | 70 |
| 40 | 61319 | 21182 | 78818 | 40137 | 60 |
| 50 | 61510 | 21398 | 78602 | 40112 | 50 |
| 60 | 61701 | 21613 | 78387 | 40088 | 40 |
| 70 | 61893 | 21829 | 78171 | 40064 | 30 |
| 80 | 62084 | 22045 | 77955 | 40039 | 20 |
| 90 | 62275 | 22260 | 77740 | 40015 | 10 |
| **81 oo** | 62467 | 22476 | 77524 | 39991 | **19 oo** |
| 10 | 62658 | 22692 | 77308 | 39966 | 90 |
| 20 | 62849 | 22907 | 77093 | 39942 | 80 |
| 30 | 63040 | 23123 | 76877 | 39918 | 70 |
| 40 | 63232 | 23338 | 76662 | 39893 | 60 |
| 50 | 63423 | 23554 | 76446 | 39869 | 50 |
| 60 | 63614 | 23769 | 76231 | 39845 | 40 |
| 70 | 63805 | 23985 | 76015 | 39820 | 30 |
| 80 | 63996 | 24201 | 75799 | 39796 | 20 |
| 90 | 64188 | 24416 | 75584 | 39772 | 10 |
| **82 oo** | 64379 | 24632 | 75368 | 39747 | **18 oo** |
| 10 | 64570 | 24847 | 75153 | 39723 | 90 |
| 20 | 64761 | 25063 | 74937 | 39698 | 80 |
| 30 | 64952 | 25278 | 74722 | 39674 | 70 |
| 40 | 65143 | 25494 | 74506 | 39650 | 60 |
| 50 | 65335 | 25709 | 74291 | 39625 | 50 |
| 60 | 65526 | 25925 | 74075 | 39601 | 40 |
| 70 | 65717 | 26140 | 73860 | 39577 | 30 |
| 80 | 65908 | 26356 | 73644 | 39552 | 20 |
| 90 | 66099 | 26571 | 73429 | 39528 | 10 |
| **83 oo** | 66290 | 26786 | 73214 | 39504 | **17 oo** |
| 10 | 66481 | 27002 | 72998 | 39479 | 90 |
| 20 | 66672 | 27217 | 72783 | 39455 | 80 |
| 30 | 66863 | 27433 | 72567 | 39431 | 70 |
| 40 | 67054 | 27648 | 72352 | 39406 | 60 |
| 50 | 67245 | 27863 | 72137 | 39382 | 50 |
| 60 | 67436 | 28079 | 71921 | 39358 | 40 |
| 70 | 67627 | 28294 | 71706 | 39333 | 30 |
| 80 | 67818 | 28510 | 71490 | 39309 | 20 |
| 90 | 68009 | 28725 | 71275 | 39284 | 10 |
| **84 oo** | 68200 | 28940 | 71060 | 39260 | **16 oo** |
| 10 | 68391 | 29156 | 70844 | 39236 | 90 |
| 20 | 68582 | 29371 | 70629 | 39211 | 80 |
| 30 | 68773 | 29586 | 70414 | 39187 | 70 |
| 40 | 68964 | 29802 | 70198 | 39163 | 60 |
| 50 | 69155 | 30017 | 69983 | 39138 | 50 |
| 60 | 69346 | 30232 | 69768 | 39114 | 40 |
| 70 | 69537 | 30448 | 69552 | 39089 | 30 |
| 80 | 69728 | 30663 | 69337 | 39065 | 20 |
| 90 | 69919 | 30878 | 69122 | 39041 | 10 |
| **85 oo** | 70110 | 31094 | 68906 | 39016 | **15 oo** |
| | **9.52** | **9.55** | **0.44** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 191 | 215 | 215 | 25 | |

| 21g | 191 | 216 | 216 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.52** | **9.55** | **0.44** | **9.97** | |
| **85 oo** | 70110 | 31094 | 68906 | 39016 | **15 oo** |
| 10 | 70301 | 31309 | 68691 | 38992 | 90 |
| 20 | 70492 | 31524 | 68476 | 38968 | 80 |
| 30 | 70683 | 31739 | 68261 | 38943 | 70 |
| 40 | 70873 | 31955 | 68045 | 38919 | 60 |
| 50 | 71064 | 32170 | 67830 | 38894 | 50 |
| 60 | 71255 | 32385 | 67615 | 38870 | 40 |
| 70 | 71446 | 32600 | 67400 | 38846 | 30 |
| 80 | 71637 | 32815 | 67185 | 38821 | 20 |
| 90 | 71828 | 33031 | 66969 | 38797 | 10 |
| **86 oo** | 72018 | 33246 | 66754 | 38773 | **14 oo** |
| 10 | 72209 | 33461 | 66539 | 38748 | 90 |
| 20 | 72400 | 33676 | 66324 | 38724 | 80 |
| 30 | 72591 | 33891 | 66109 | 38699 | 70 |
| 40 | 72781 | 34107 | 65893 | 38675 | 60 |
| 50 | 72972 | 34322 | 65678 | 38651 | 50 |
| 60 | 73163 | 34537 | 65463 | 38626 | 40 |
| 70 | 73354 | 34752 | 65248 | 38602 | 30 |
| 80 | 73544 | 34967 | 65033 | 38577 | 20 |
| 90 | 73735 | 35182 | 64818 | 38553 | 10 |
| **87 oo** | 73926 | 35397 | 64603 | 38529 | **13 oo** |
| 10 | 74117 | 35612 | 64388 | 38504 | 90 |
| 20 | 74307 | 35828 | 64172 | 38480 | 80 |
| 30 | 74498 | 36043 | 63957 | 38455 | 70 |
| 40 | 74689 | 36258 | 63742 | 38431 | 60 |
| 50 | 74879 | 36473 | 63527 | 38407 | 50 |
| 60 | 75070 | 36688 | 63312 | 38382 | 40 |
| 70 | 75261 | 36903 | 63097 | 38358 | 30 |
| 80 | 75451 | 37118 | 62882 | 38333 | 20 |
| 90 | 75642 | 37333 | 62667 | 38309 | 10 |
| **88 oo** | 75832 | 37548 | 62452 | 38284 | **12 oo** |
| 10 | 76023 | 37763 | 62237 | 38260 | 90 |
| 20 | 76214 | 37978 | 62022 | 38236 | 80 |
| 30 | 76404 | 38193 | 61807 | 38211 | 70 |
| 40 | 76595 | 38408 | 61592 | 38187 | 60 |
| 50 | 76785 | 38623 | 61377 | 38162 | 50 |
| 60 | 76976 | 38838 | 61162 | 38138 | 40 |
| 70 | 77167 | 39053 | 60947 | 38114 | 30 |
| 80 | 77357 | 39268 | 60732 | 38089 | 20 |
| 90 | 77548 | 39483 | 60517 | 38065 | 10 |
| **89 oo** | 77738 | 39698 | 60302 | 38040 | **11 oo** |
| 10 | 77929 | 39913 | 60087 | 38016 | 90 |
| 20 | 78119 | 40128 | 59872 | 37991 | 80 |
| 30 | 78310 | 40343 | 59657 | 37967 | 70 |
| 40 | 78500 | 40558 | 59442 | 37943 | 60 |
| 50 | 78691 | 40773 | 59227 | 37918 | 50 |
| 60 | 78881 | 40987 | 59013 | 37894 | 40 |
| 70 | 79072 | 41202 | 58798 | 37869 | 30 |
| 80 | 79262 | 41417 | 58583 | 37845 | 20 |
| 90 | 79452 | 41632 | 58368 | 37820 | 10 |
| **90 oo** | 79643 | 41847 | 58153 | 37796 | **10 oo** |
| | **9.52** | **9.55** | **0.44** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 78g |
| | 190 | 214 | 214 | 25 | |

| | 216 | 215 | 214 | 192 | 191 | 190 | 25 | 24 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21,6 | 21,5 | 21,4 | 19,2 | 19,1 | 19,0 | 2,5 | 2,4 | 1 |
| 2 | 43,2 | 43,0 | 42,8 | 38,4 | 38,2 | 38,0 | 5,0 | 4,8 | 2 |
| 3 | 64,8 | 64,5 | 64,2 | 57,6 | 57,3 | 57,0 | 7,5 | 7,2 | 3 |
| 4 | 86,4 | 86,0 | 85,6 | 76,8 | 76,4 | 76,0 | 10,0 | 9,6 | 4 |
| 5 | 108,0 | 107,5 | 107,0 | 96,0 | 95,5 | 95,0 | 12,5 | 12,0 | 5 |
| 6 | 129,6 | 129,0 | 128,4 | 115,2 | 114,6 | 114,0 | 15,0 | 14,4 | 6 |
| 7 | 151,2 | 150,5 | 149,8 | 134,4 | 133,7 | 133,0 | 17,5 | 16,8 | 7 |
| 8 | 172,8 | 172,0 | 171,2 | 153,6 | 152,8 | 152,0 | 20,0 | 19,2 | 8 |
| 9 | 194,4 | 193,5 | 192,6 | 172,8 | 171,9 | 171,0 | 22,5 | 21,6 | 9 |

| **21g** | 191 | 215 | 215 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·52** | **9·55** | **0·44** | **9·97** | |
| **90 oo** | 79643 | 41847 | 58153 | 37796 | **10 oo** |
| 10 | 79833 | 42062 | 57938 | 37771 | 90 |
| 20 | 80024 | 42277 | 57723 | 37747 | 80 |
| 30 | 80214 | 42491 | 57509 | 37723 | 70 |
| 40 | 80404 | 42706 | 57294 | 37698 | 60 |
| 50 | 80595 | 42921 | 57079 | 37674 | 50 |
| 60 | 80785 | 43136 | 56864 | 37649 | 40 |
| 70 | 80976 | 43351 | 56649 | 37625 | 30 |
| 80 | 81166 | 43566 | 56434 | 37600 | 20 |
| 90 | 81356 | 43780 | 56220 | 37576 | 10 |
| **91 oo** | 81547 | 43995 | 56005 | 37551 | **09 oo** |
| 10 | 81737 | 44210 | 55790 | 37527 | 90 |
| 20 | 81927 | 44425 | 55575 | 37503 | 80 |
| 30 | 82118 | 44639 | 55361 | 37478 | 70 |
| 40 | 82308 | 44854 | 55146 | 37454 | 60 |
| 50 | 82498 | 45069 | 54931 | 37429 | 50 |
| 60 | 82688 | 45284 | 54716 | 37405 | 40 |
| 70 | 82879 | 45498 | 54502 | 37380 | 30 |
| 80 | 83069 | 45713 | 54287 | 37356 | 20 |
| 90 | 83259 | 45928 | 54072 | 37331 | 10 |
| **92 oo** | 83449 | 46143 | 53857 | 37307 | **08 oo** |
| 10 | 83640 | 46357 | 53643 | 37282 | 90 |
| 20 | 83830 | 46572 | 53428 | 37258 | 80 |
| 30 | 84020 | 46787 | 53213 | 37233 | 70 |
| 40 | 84210 | 47001 | 52999 | 37209 | 60 |
| 50 | 84400 | 47216 | 52784 | 37185 | 50 |
| 60 | 84591 | 47431 | 52569 | 37160 | 40 |
| 70 | 84781 | 47645 | 52355 | 37136 | 30 |
| 80 | 84971 | 47860 | 52140 | 37111 | 20 |
| 90 | 85161 | 48074 | 51926 | 37087 | 10 |
| **93 oo** | 85351 | 48289 | 51711 | 37062 | **07 oo** |
| 10 | 85541 | 48504 | 51496 | 37038 | 90 |
| 20 | 85732 | 48718 | 51282 | 37013 | 80 |
| 30 | 85922 | 48933 | 51067 | 36989 | 70 |
| 40 | 86112 | 49148 | 50852 | 36964 | 60 |
| 50 | 86302 | 49362 | 50638 | 36940 | 50 |
| 60 | 86492 | 49577 | 50423 | 36915 | 40 |
| 70 | 86682 | 49791 | 50209 | 36891 | 30 |
| 80 | 86872 | 50006 | 49994 | 36866 | 20 |
| 90 | 87062 | 50220 | 49780 | 36842 | 10 |
| **94 oo** | 87252 | 50435 | 49565 | 36817 | **06 oo** |
| 10 | 87442 | 50649 | 49351 | 36793 | 90 |
| 20 | 87632 | 50864 | 49136 | 36768 | 80 |
| 30 | 87822 | 51078 | 48922 | 36744 | 70 |
| 40 | 88012 | 51293 | 48707 | 36719 | 60 |
| 50 | 88202 | 51507 | 48493 | 36695 | 50 |
| 60 | 88392 | 51722 | 48278 | 36670 | 40 |
| 70 | 88582 | 51936 | 48064 | 36646 | 30 |
| 80 | 88772 | 52151 | 47849 | 36621 | 20 |
| 90 | 88962 | 52365 | 47635 | 36597 | 10 |
| **95 oo** | 89152 | 52580 | 47420 | 36572 | **05 oo** |
| | **9·52** | **9·55** | **0·44** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **78g** |
| | 190 | 214 | 214 | 25 | |

| **21g** | 190 | 215 | 215 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·52** | **9·55** | **0·44** | **9·97** | |
| **95 oo** | 89152 | 52580 | 47420 | 36572 | **05 oo** |
| 10 | 89342 | 52794 | 47206 | 36548 | 90 |
| 20 | 89532 | 53009 | 46991 | 36523 | 80 |
| 30 | 89722 | 53223 | 46777 | 36499 | 70 |
| 40 | 89912 | 53438 | 46562 | 36474 | 60 |
| 50 | 90102 | 53652 | 46348 | 36450 | 50 |
| 60 | 90292 | 53866 | 46134 | 36425 | 40 |
| 70 | 90482 | 54081 | 45919 | 36401 | 30 |
| 80 | 90672 | 54295 | 45705 | 36376 | 20 |
| 90 | 90861 | 54510 | 45490 | 36352 | 10 |
| **96 oo** | 91051 | 54724 | 45276 | 36327 | **04 oo** |
| 10 | 91241 | 54938 | 45062 | 36303 | 90 |
| 20 | 91431 | 55153 | 44847 | 36278 | 80 |
| 30 | 91621 | 55367 | 44633 | 36254 | 70 |
| 40 | 91811 | 55581 | 44419 | 36229 | 60 |
| 50 | 92000 | 55796 | 44204 | 36205 | 50 |
| 60 | 92190 | 56010 | 43990 | 36180 | 40 |
| 70 | 92380 | 56224 | 43776 | 36156 | 30 |
| 80 | 92570 | 56439 | 43561 | 36131 | 20 |
| 90 | 92760 | 56653 | 43347 | 36107 | 10 |
| **97 oo** | 92949 | 56867 | 43133 | 36082 | **03 oo** |
| 10 | 93139 | 57082 | 42918 | 36058 | 90 |
| 20 | 93329 | 57296 | 42704 | 36033 | 80 |
| 30 | 93519 | 57510 | 42490 | 36009 | 70 |
| 40 | 93708 | 57724 | 42276 | 35984 | 60 |
| 50 | 93898 | 57939 | 42061 | 35960 | 50 |
| 60 | 94088 | 58153 | 41847 | 35935 | 40 |
| 70 | 94278 | 58367 | 41633 | 35910 | 30 |
| 80 | 94467 | 58581 | 41419 | 35886 | 20 |
| 90 | 94657 | 58796 | 41204 | 35861 | 10 |
| **98 oo** | 94847 | 59010 | 40990 | 35837 | **02 oo** |
| 10 | 95036 | 59224 | 40776 | 35812 | 90 |
| 20 | 95226 | 59438 | 40562 | 35788 | 80 |
| 30 | 95416 | 59652 | 40348 | 35763 | 70 |
| 40 | 95605 | 59866 | 40134 | 35739 | 60 |
| 50 | 95795 | 60081 | 39919 | 35714 | 50 |
| 60 | 95984 | 60295 | 39705 | 35690 | 40 |
| 70 | 96174 | 60509 | 39491 | 35665 | 30 |
| 80 | 96364 | 60723 | 39277 | 35641 | 20 |
| 90 | 96553 | 60937 | 39063 | 35616 | 10 |
| **99 oo** | 96743 | 61151 | 38849 | 35591 | **01 oo** |
| 10 | 96932 | 61366 | 38634 | 35567 | 90 |
| 20 | 97122 | 61580 | 38420 | 35542 | 80 |
| 30 | 97312 | 61794 | 38206 | 35518 | 70 |
| 40 | 97501 | 62008 | 37992 | 35493 | 60 |
| 50 | 97691 | 62222 | 37778 | 35469 | 50 |
| 60 | 97880 | 62436 | 37564 | 35444 | 40 |
| 70 | 98070 | 62650 | 37350 | 35420 | 30 |
| 80 | 98259 | 62864 | 37136 | 35395 | 20 |
| 90 | 98449 | 63078 | 36922 | 35370 | 10 |
| **100 oo** | 98638 | 63292 | 36708 | 35346 | **00 oo** |
| | **9·52** | **9·55** | **0·44** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **78g** |
| | 189 | 214 | 214 | 25 | |

| | 215 | 214 | 191 | 190 | 189 | 25 | 24 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 21,5 | 21,4 | 19,1 | 19,0 | 18,9 | 2,5 | 2,4 | 1 |
| 2 | 43,0 | 42,8 | 38,2 | 38,0 | 37,8 | 5,0 | 4,8 | 2 |
| 3 | 64,5 | 64,2 | 57,3 | 57,0 | 56,7 | 7,5 | 7,2 | 3 |
| 4 | 86,0 | 85,6 | 76,4 | 76,0 | 75,6 | 10,0 | 9,6 | 4 |
| 5 | 107,5 | 107,0 | 95,5 | 95,0 | 94,5 | 12,5 | 12,0 | 5 |
| 6 | 129,0 | 128,4 | 114,6 | 114,0 | 113,4 | 15,0 | 14,4 | 6 |
| 7 | 150,5 | 149,8 | 133,7 | 133,0 | 132,3 | 17,5 | 16,8 | 7 |
| 8 | 172,0 | 171,2 | 152,8 | 152,0 | 151,2 | 20,0 | 19,2 | 8 |
| 9 | 193,5 | 192,6 | 171,9 | 171,0 | 170,1 | 22,5 | 21,6 | 9 |

| 22g | 190 | 214 | 214 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9·52** | **9·55** | **0·44** | **9·97** | |
| **00 oo** | *98638 | 63292 | 36708 | 35346 | **100 oo** |
| 10 | *98828 | 63506 | 36494 | 35321 | 90 |
| 20 | *99017 | 63720 | 36280 | 35297 | 80 |
| 30 | *99207 | 63934 | 36066 | 35272 | 70 |
| 40 | *99396 | 64148 | 35852 | 35248 | 60 |
| 50 | *99585 | 64362 | 35638 | 35223 | 50 |
| 60 | *99775 | 64576 | 35424 | 35199 | 40 |
| 70 | *99964 | 64790 | 35210 | 35174 | 30 |
| 80 | 00154 | 65004 | 34996 | 35149 | 20 |
| 90 | 00343 | 65218 | 34782 | 35125 | 10 |
| **01 oo** | 00533 | 65432 | 34568 | 35100 | **99 oo** |
| 10 | 00722 | 65646 | 34354 | 35076 | 90 |
| 20 | 00911 | 65860 | 34140 | 35051 | 80 |
| 30 | 01101 | 66074 | 33926 | 35027 | 70 |
| 40 | 01290 | 66288 | 33712 | 35002 | 60 |
| 50 | 01479 | 66502 | 33498 | 34977 | 50 |
| 60 | 01669 | 66716 | 33284 | 34953 | 40 |
| 70 | 01858 | 66930 | 33070 | 34928 | 30 |
| 80 | 02047 | 67144 | 32856 | 34904 | 20 |
| 90 | 02237 | 67358 | 32642 | 34879 | 10 |
| **02 oo** | 02426 | 67572 | 32428 | 34854 | **98 oo** |
| 10 | 02615 | 67785 | 32215 | 34830 | 90 |
| 20 | 02805 | 67999 | 32001 | 34805 | 80 |
| 30 | 02994 | 68213 | 31787 | 34781 | 70 |
| 40 | 03183 | 68427 | 31573 | 34756 | 60 |
| 50 | 03372 | 68641 | 31359 | 34732 | 50 |
| 60 | 03562 | 68855 | 31145 | 34707 | 40 |
| 70 | 03751 | 69069 | 30931 | 34682 | 30 |
| 80 | 03940 | 69282 | 30718 | 34658 | 20 |
| 90 | 04129 | 69496 | 30504 | 34633 | 10 |
| **03 oo** | 04319 | 69710 | 30290 | 34609 | **97 oo** |
| 10 | 04508 | 69924 | 30076 | 34584 | 90 |
| 20 | 04697 | 70138 | 29862 | 34559 | 80 |
| 30 | 04886 | 70351 | 29649 | 34535 | 70 |
| 40 | 05075 | 70565 | 29435 | 34510 | 60 |
| 50 | 05264 | 70779 | 29221 | 34486 | 50 |
| 60 | 05454 | 70993 | 29007 | 34461 | 40 |
| 70 | 05643 | 71206 | 28794 | 34436 | 30 |
| 80 | 05832 | 71420 | 28580 | 34412 | 20 |
| 90 | 06021 | 71634 | 28366 | 34387 | 10 |
| **04 oo** | 06210 | 71848 | 28152 | 34363 | **96 oo** |
| 10 | 06399 | 72061 | 27939 | 34338 | 90 |
| 20 | 06588 | 72275 | 27725 | 34313 | 80 |
| 30 | 06777 | 72489 | 27511 | 34289 | 70 |
| 40 | 06966 | 72702 | 27298 | 34264 | 60 |
| 50 | 07156 | 72916 | 27084 | 34239 | 50 |
| 60 | 07345 | 73130 | 26870 | 34215 | 40 |
| 70 | 07534 | 73343 | 26657 | 34190 | 30 |
| 80 | 07723 | 73557 | 26443 | 34166 | 20 |
| 90 | 07912 | 73771 | 26229 | 34141 | 10 |
| **05 oo** | 08101 | 73984 | 26016 | 34116 | **95 oo** |
| | **9·53** | **9·55** | **0·44** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 189 | 213 | 213 | 25 | |

| 22g | 189 | 214 | 214 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·53** | **9·55** | **0·44** | **9·97** | |
| **05 oo** | 08101 | 73984 | 26016 | 34116 | **95 oo** |
| 10 | 08290 | 74198 | 25802 | 34092 | 90 |
| 20 | 08479 | 74412 | 25588 | 34067 | 80 |
| 30 | 08668 | 74625 | 25375 | 34043 | 70 |
| 40 | 08857 | 74839 | 25161 | 34018 | 60 |
| 50 | 09046 | 75052 | 24948 | 33993 | 50 |
| 60 | 09235 | 75266 | 24734 | 33969 | 40 |
| 70 | 09424 | 75480 | 24520 | 33944 | 30 |
| 80 | 09613 | 75693 | 24307 | 33919 | 20 |
| 90 | 09802 | 75907 | 24093 | 33895 | 10 |
| **06 oo** | 09990 | 76120 | 23880 | 33870 | **94 oo** |
| 10 | 10179 | 76334 | 23666 | 33845 | 90 |
| 20 | 10368 | 76547 | 23453 | 33821 | 80 |
| 30 | 10557 | 76761 | 23239 | 33796 | 70 |
| 40 | 10746 | 76975 | 23025 | 33772 | 60 |
| 50 | 10935 | 77188 | 22812 | 33747 | 50 |
| 60 | 11124 | 77402 | 22598 | 33722 | 40 |
| 70 | 11313 | 77615 | 22385 | 33698 | 30 |
| 80 | 11502 | 77829 | 22171 | 33673 | 20 |
| 90 | 11690 | 78042 | 21958 | 33648 | 10 |
| **07 oo** | 11879 | 78256 | 21744 | 33624 | **93 oo** |
| 10 | 12068 | 78469 | 21531 | 33599 | 90 |
| 20 | 12257 | 78682 | 21318 | 33574 | 80 |
| 30 | 12446 | 78896 | 21104 | 33550 | 70 |
| 40 | 12635 | 79109 | 20891 | 33525 | 60 |
| 50 | 12823 | 79323 | 20677 | 33500 | 50 |
| 60 | 13012 | 79536 | 20464 | 33476 | 40 |
| 70 | 13201 | 79750 | 20250 | 33451 | 30 |
| 80 | 13390 | 79963 | 20037 | 33427 | 20 |
| 90 | 13578 | 80177 | 19823 | 33402 | 10 |
| **08 oo** | 13767 | 80390 | 19610 | 33377 | **92 oo** |
| 10 | 13956 | 80603 | 19397 | 33353 | 90 |
| 20 | 14145 | 80817 | 19183 | 33328 | 80 |
| 30 | 14333 | 81030 | 18970 | 33303 | 70 |
| 40 | 14522 | 81243 | 18757 | 33279 | 60 |
| 50 | 14711 | 81457 | 18543 | 33254 | 50 |
| 60 | 14899 | 81670 | 18330 | 33229 | 40 |
| 70 | 15088 | 81884 | 18116 | 33205 | 30 |
| 80 | 15277 | 82097 | 17903 | 33180 | 20 |
| 90 | 15465 | 82310 | 17690 | 33155 | 10 |
| **09 oo** | 15654 | 82524 | 17476 | 33131 | **91 oo** |
| 10 | 15843 | 82737 | 17263 | 33106 | 90 |
| 20 | 16031 | 82950 | 17050 | 33081 | 80 |
| 30 | 16220 | 83163 | 16837 | 33057 | 70 |
| 40 | 16409 | 83377 | 16623 | 33032 | 60 |
| 50 | 16597 | 83590 | 16410 | 33007 | 50 |
| 60 | 16786 | 83803 | 16197 | 32983 | 40 |
| 70 | 16974 | 84017 | 15983 | 32958 | 30 |
| 80 | 17163 | 84230 | 15770 | 32933 | 20 |
| 90 | 17352 | 84443 | 15557 | 32909 | 10 |
| **10 oo** | 17540 | 84656 | 15344 | 32884 | **90 oo** |
| | **9·53** | **9·55** | **0·44** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 188 | 213 | 213 | 25 | |

| | 214 | 213 | 190 | 189 | 188 | 25 | 24 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 21,4 | 21,3 | 19,0 | 18,9 | 18,8 | 2,5 | 2,4 | 1 |
| 2 | 42,8 | 42,6 | 38,0 | 37,8 | 37,6 | 5,0 | 4,8 | 2 |
| 3 | 64,2 | 63,9 | 57,0 | 56,7 | 56,4 | 7,5 | 7,2 | 3 |
| 4 | 85,6 | 85,2 | 76,0 | 75,6 | 75,2 | 10,0 | 9,6 | 4 |
| 5 | 107,0 | 106,5 | 95,0 | 94,5 | 94,0 | 12,5 | 12,0 | 5 |
| 6 | 128,4 | 127,8 | 114,0 | 113,4 | 112,8 | 15,0 | 14,4 | 6 |
| 7 | 149,8 | 149,1 | 133,0 | 132,3 | 131,6 | 17,5 | 16,8 | 7 |
| 8 | 171,2 | 170,4 | 152,0 | 151,2 | 150,4 | 20,0 | 19,2 | 8 |
| 9 | 192,6 | 191,7 | 171,0 | 170,1 | 169,2 | 22,5 | 21,6 | 9 |

| 22g | 189 | 214 | 214 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·53** | **9·55** | **0·44** | **9·97** | |
| **10 oo** | 17540 | 84656 | 15344 | 32884 | **90 oo** |
| 10 | 17729 | 84870 | 15130 | 32859 | 90 |
| 20 | 17917 | 85083 | 14917 | 32834 | 80 |
| 30 | 18106 | 85296 | 14704 | 32810 | 70 |
| 40 | 18294 | 85509 | 14491 | 32785 | 60 |
| 50 | 18483 | 85722 | 14278 | 32760 | 50 |
| 60 | 18671 | 85936 | 14064 | 32736 | 40 |
| 70 | 18860 | 86149 | 13851 | 32711 | 30 |
| 80 | 19048 | 86362 | 13638 | 32686 | 20 |
| 90 | 19237 | 86575 | 13425 | 32662 | 10 |
| **11 oo** | 19425 | 86788 | 13212 | 32637 | **89 oo** |
| 10 | 19614 | 87001 | 12999 | 32612 | 90 |
| 20 | 19802 | 87215 | 12785 | 32588 | 80 |
| 30 | 19991 | 87428 | 12572 | 32563 | 70 |
| 40 | 20179 | 87641 | 12359 | 32538 | 60 |
| 50 | 20367 | 87854 | 12146 | 32513 | 50 |
| 60 | 20556 | 88067 | 11933 | 32489 | 40 |
| 70 | 20744 | 88280 | 11720 | 32464 | 30 |
| 80 | 20933 | 88493 | 11507 | 32439 | 20 |
| 90 | 21121 | 88706 | 11294 | 32415 | 10 |
| **12 oo** | 21309 | 88919 | 11081 | 32390 | **88 oo** |
| 10 | 21498 | 89132 | 10868 | 32365 | 90 |
| 20 | 21686 | 89346 | 10654 | 32341 | 80 |
| 30 | 21874 | 89559 | 10441 | 32316 | 70 |
| 40 | 22063 | 89772 | 10228 | 32291 | 60 |
| 50 | 22251 | 89985 | 10015 | 32266 | 50 |
| 60 | 22439 | 90198 | 09802 | 32242 | 40 |
| 70 | 22628 | 90411 | 09589 | 32217 | 30 |
| 80 | 22816 | 90624 | 09376 | 32192 | 20 |
| 90 | 23004 | 90837 | 09163 | 32168 | 10 |
| **13 oo** | 23193 | 91050 | 08950 | 32143 | **87 oo** |
| 10 | 23381 | 91263 | 08737 | 32118 | 90 |
| 20 | 23569 | 91476 | 08524 | 32093 | 80 |
| 30 | 23757 | 91689 | 08311 | 32069 | 70 |
| 40 | 23946 | 91902 | 08098 | 32044 | 60 |
| 50 | 24134 | 92115 | 07885 | 32019 | 50 |
| 60 | 24322 | 92328 | 07672 | 31995 | 40 |
| 70 | 24510 | 92541 | 07459 | 31970 | 30 |
| 80 | 24699 | 92753 | 07247 | 31945 | 20 |
| 90 | 24887 | 92966 | 07034 | 31920 | 10 |
| **14 oo** | 25075 | 93179 | 06821 | 31896 | **86 oo** |
| 10 | 25263 | 93392 | 06608 | 31871 | 90 |
| 20 | 25451 | 93605 | 06395 | 31846 | 80 |
| 30 | 25639 | 93818 | 06182 | 31821 | 70 |
| 40 | 25828 | 94031 | 05969 | 31797 | 60 |
| 50 | 26016 | 94244 | 05756 | 31772 | 50 |
| 60 | 26204 | 94457 | 05543 | 31747 | 40 |
| 70 | 26392 | 94670 | 05330 | 31722 | 30 |
| 80 | 26580 | 94882 | 05118 | 31698 | 20 |
| 90 | 26768 | 95095 | 04905 | 31673 | 10 |
| **15 oo** | 26956 | 95308 | 04692 | 31648 | **85 oo** |
| | **9·53** | **9·55** | **0·44** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 188 | 212 | 212 | 25 | |

| 22g | 189 | 213 | 213 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·53** | ***9·55** | ***0·44** | **9·97** | |
| **15 oo** | 26956 | *95308 | *04692 | 31648 | **85 oo** |
| 10 | 27144 | *95521 | *04479 | 31624 | 90 |
| 20 | 27332 | *95734 | *04266 | 31599 | 80 |
| 30 | 27521 | *95947 | *04053 | 31574 | 70 |
| 40 | 27709 | *96159 | *03841 | 31549 | 60 |
| 50 | 27897 | *96372 | *03628 | 31525 | 50 |
| 60 | 28085 | *96585 | *03415 | 31500 | 40 |
| 70 | 28273 | *96798 | *03202 | 31475 | 30 |
| 80 | 28461 | *97010 | *02990 | 31450 | 20 |
| 90 | 28649 | *97223 | *02777 | 31426 | 10 |
| **16 oo** | 28837 | *97436 | *02564 | 31401 | **84 oo** |
| 10 | 29025 | *97649 | *02351 | 31376 | 90 |
| 20 | 29213 | *97862 | *02138 | 31351 | 80 |
| 30 | 29401 | *98074 | *01926 | 31327 | 70 |
| 40 | 29589 | *98287 | *01713 | 31302 | 60 |
| 50 | 29777 | *98500 | *01500 | 31277 | 50 |
| 60 | 29965 | *98712 | *01288 | 31252 | 40 |
| 70 | 30153 | *98925 | *01075 | 31227 | 30 |
| 80 | 30341 | *99138 | *00862 | 31203 | 20 |
| 90 | 30528 | *99350 | *00650 | 31178 | 10 |
| **17 oo** | 30716 | *99563 | *00437 | 31153 | **83 oo** |
| 10 | 30904 | *99776 | *00224 | 31128 | 90 |
| 20 | 31092 | *99989 | *00011 | 31104 | 80 |
| 30 | 31280 | 00201 | 99799 | 31079 | 70 |
| 40 | 31468 | 00414 | 99586 | 31054 | 60 |
| 50 | 31656 | 00626 | 99374 | 31029 | 50 |
| 60 | 31844 | 00839 | 99161 | 31005 | 40 |
| 70 | 32031 | 01052 | 98948 | 30980 | 30 |
| 80 | 32219 | 01264 | 98736 | 30955 | 20 |
| 90 | 32407 | 01477 | 98523 | 30930 | 10 |
| **18 oo** | 32595 | 01690 | 98310 | 30905 | **82 oo** |
| 10 | 32783 | 01902 | 98098 | 30881 | 90 |
| 20 | 32971 | 02115 | 97885 | 30856 | 80 |
| 30 | 33158 | 02327 | 97673 | 30831 | 70 |
| 40 | 33346 | 02540 | 97460 | 30806 | 60 |
| 50 | 33534 | 02752 | 97248 | 30782 | 50 |
| 60 | 33722 | 02965 | 97035 | 30757 | 40 |
| 70 | 33909 | 03178 | 96822 | 30732 | 30 |
| 80 | 34097 | 03390 | 96610 | 30707 | 20 |
| 90 | 34285 | 03603 | 96397 | 30682 | 10 |
| **19 oo** | 34473 | 03815 | 96185 | 30658 | **81 oo** |
| 10 | 34660 | 04028 | 95972 | 30633 | 90 |
| 20 | 34848 | 04240 | 95760 | 30608 | 80 |
| 30 | 35036 | 04453 | 95547 | 30583 | 70 |
| 40 | 35224 | 04665 | 95335 | 30558 | 60 |
| 50 | 35411 | 04878 | 95122 | 30534 | 50 |
| 60 | 35599 | 05090 | 94910 | 30509 | 40 |
| 70 | 35787 | 05303 | 94697 | 30484 | 30 |
| 80 | 35974 | 05515 | 94485 | 30459 | 20 |
| 90 | 36162 | 05727 | 94273 | 30434 | 10 |
| **20 oo** | 36349 | 05940 | 94060 | 30410 | **80 oo** |
| | **9·53** | **9·56** | **0·43** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 187 | 212 | 212 | 25 | |

| | 214 | 213 | 212 | 189 | 188 | 187 | 25 | 24 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21,4 | 21,3 | 21,2 | 18,9 | 18,8 | 18,7 | 2,5 | 2,4 | 1 |
| 2 | 42,8 | 42,6 | 42,4 | 37,8 | 37,6 | 37,4 | 5,0 | 4,8 | 2 |
| 3 | 64,2 | 63,9 | 63,6 | 56,7 | 56,4 | 56,1 | 7,5 | 7,2 | 3 |
| 4 | 85,6 | 85,2 | 84,8 | 75,6 | 75,2 | 74,8 | 10,0 | 9,6 | 4 |
| 5 | 107,0 | 106,5 | 106,0 | 94,5 | 94,0 | 93,5 | 12,5 | 12,0 | 5 |
| 6 | 128,4 | 127,8 | 127,2 | 113,4 | 112,8 | 112,2 | 15,0 | 14,4 | 6 |
| 7 | 149,8 | 149,1 | 148,4 | 132,3 | 131,6 | 130,9 | 17,5 | 16,8 | 7 |
| 8 | 171,2 | 170,4 | 169,6 | 151,2 | 150,4 | 149,6 | 20,0 | 19,2 | 8 |
| 9 | 192,6 | 191,7 | 190,8 | 170,1 | 169,2 | 168,3 | 22,5 | 21,6 | 9 |

| 22g | 188 | 213 | 213 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.53** | **9.56** | **0.43** | **9.97** | |
| **20 oo** | 36349 | 05940 | 94060 | 30410 | **80 oo** |
| 10 | 36537 | 06152 | 93848 | 30385 | 90 |
| 20 | 36725 | 06365 | 93635 | 30360 | 80 |
| 30 | 36912 | 06577 | 93423 | 30335 | 70 |
| 40 | 37100 | 06790 | 93210 | 30310 | 60 |
| 50 | 37288 | 07002 | 92998 | 30286 | 50 |
| 60 | 37475 | 07214 | 92786 | 30261 | 40 |
| 70 | 37663 | 07427 | 92573 | 30236 | 30 |
| 80 | 37850 | 07639 | 92361 | 30211 | 20 |
| 90 | 38038 | 07851 | 92149 | 30186 | 10 |
| **21 oo** | 38225 | 08064 | 91936 | 30162 | **79 oo** |
| 10 | 38413 | 08276 | 91724 | 30137 | 90 |
| 20 | 38600 | 08489 | 91511 | 30112 | 80 |
| 30 | 38788 | 08701 | 91299 | 30087 | 70 |
| 40 | 38975 | 08913 | 91087 | 30062 | 60 |
| 50 | 39163 | 09125 | 90875 | 30037 | 50 |
| 60 | 39350 | 09338 | 90662 | 30013 | 40 |
| 70 | 39538 | 09550 | 90450 | 29988 | 30 |
| 80 | 39725 | 09762 | 90238 | 29963 | 20 |
| 90 | 39913 | 09975 | 90025 | 29938 | 10 |
| **22 oo** | 40100 | 10187 | 89813 | 29913 | **78 oo** |
| 10 | 40288 | 10399 | 89601 | 29889 | 90 |
| 20 | 40475 | 10612 | 89388 | 29864 | 80 |
| 30 | 40663 | 10824 | 89176 | 29839 | 70 |
| 40 | 40850 | 11036 | 88964 | 29814 | 60 |
| 50 | 41037 | 11248 | 88752 | 29789 | 50 |
| 60 | 41225 | 11460 | 88540 | 29764 | 40 |
| 70 | 41412 | 11673 | 88327 | 29740 | 30 |
| 80 | 41600 | 11885 | 88115 | 29715 | 20 |
| 90 | 41787 | 12097 | 87903 | 29690 | 10 |
| **23 oo** | 41974 | 12309 | 87691 | 29665 | **77 oo** |
| 10 | 42162 | 12522 | 87478 | 29640 | 90 |
| 20 | 42349 | 12734 | 87266 | 29615 | 80 |
| 30 | 42536 | 12946 | 87054 | 29590 | 70 |
| 40 | 42724 | 13158 | 86842 | 29566 | 60 |
| 50 | 42911 | 13370 | 86630 | 29541 | 50 |
| 60 | 43098 | 13582 | 86418 | 29516 | 40 |
| 70 | 43286 | 13795 | 86205 | 29491 | 30 |
| 80 | 43473 | 14007 | 85993 | 29466 | 20 |
| 90 | 43660 | 14219 | 85781 | 29441 | 10 |
| **24 oo** | 43847 | 14431 | 85569 | 29417 | **76 oo** |
| 10 | 44035 | 14643 | 85357 | 29392 | 90 |
| 20 | 44222 | 14855 | 85145 | 29367 | 80 |
| 30 | 44409 | 15067 | 84933 | 29342 | 70 |
| 40 | 44596 | 15279 | 84721 | 29317 | 60 |
| 50 | 44784 | 15491 | 84509 | 29292 | 50 |
| 60 | 44971 | 15703 | 84297 | 29267 | 40 |
| 70 | 45158 | 15916 | 84084 | 29243 | 30 |
| 80 | 45345 | 16128 | 83872 | 29218 | 20 |
| 90 | 45533 | 16340 | 83660 | 29193 | 10 |
| **25 oo** | 45720 | 16552 | 83448 | 29168 | **75 oo** |
| | **9.53** | **9.56** | **0.43** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 77g |
| | 187 | 212 | 212 | 25 | |

| 22g | 188 | 212 | 212 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.53** | **9.56** | **0.43** | **9.97** | |
| **25 oo** | 45720 | 16552 | 83448 | 29168 | **75 oo** |
| 10 | 45907 | 16764 | 83236 | 29143 | 90 |
| 20 | 46094 | 16976 | 83024 | 29118 | 80 |
| 30 | 46281 | 17188 | 82812 | 29093 | 70 |
| 40 | 46468 | 17400 | 82600 | 29069 | 60 |
| 50 | 46655 | 17612 | 82388 | 29044 | 50 |
| 60 | 46843 | 17824 | 82176 | 29019 | 40 |
| 70 | 47030 | 18036 | 81964 | 28994 | 30 |
| 80 | 47217 | 18248 | 81752 | 28969 | 20 |
| 90 | 47404 | 18460 | 81540 | 28944 | 10 |
| **26 oo** | 47591 | 18672 | 81328 | 28919 | **74 oo** |
| 10 | 47778 | 18884 | 81116 | 28894 | 90 |
| 20 | 47965 | 19096 | 80904 | 28870 | 80 |
| 30 | 48152 | 19308 | 80692 | 28845 | 70 |
| 40 | 48339 | 19519 | 80481 | 28820 | 60 |
| 50 | 48526 | 19731 | 80269 | 28795 | 50 |
| 60 | 48713 | 19943 | 80057 | 28770 | 40 |
| 70 | 48900 | 20155 | 79845 | 28745 | 30 |
| 80 | 49087 | 20367 | 79633 | 28720 | 20 |
| 90 | 49274 | 20579 | 79421 | 28695 | 10 |
| **27 oo** | 49461 | 20791 | 79209 | 28670 | **73 oo** |
| 10 | 49648 | 21003 | 78997 | 28646 | 90 |
| 20 | 49835 | 21215 | 78785 | 28621 | 80 |
| 30 | 50022 | 21427 | 78573 | 28596 | 70 |
| 40 | 50209 | 21638 | 78362 | 28571 | 60 |
| 50 | 50396 | 21850 | 78150 | 28546 | 50 |
| 60 | 50583 | 22062 | 77938 | 28521 | 40 |
| 70 | 50770 | 22274 | 77726 | 28496 | 30 |
| 80 | 50957 | 22486 | 77514 | 28471 | 20 |
| 90 | 51144 | 22698 | 77302 | 28446 | 10 |
| **28 oo** | 51331 | 22909 | 77091 | 28422 | **72 oo** |
| 10 | 51518 | 23121 | 76879 | 28397 | 90 |
| 20 | 51705 | 23333 | 76667 | 28372 | 80 |
| 30 | 51892 | 23545 | 76455 | 28347 | 70 |
| 40 | 52078 | 23756 | 76244 | 28322 | 60 |
| 50 | 52265 | 23968 | 76032 | 28297 | 50 |
| 60 | 52452 | 24180 | 75820 | 28272 | 40 |
| 70 | 52639 | 24392 | 75608 | 28247 | 30 |
| 80 | 52826 | 24603 | 75397 | 28222 | 20 |
| 90 | 53013 | 24815 | 75185 | 28197 | 10 |
| **29 oo** | 53199 | 25027 | 74973 | 28172 | **71 oo** |
| 10 | 53386 | 25239 | 74761 | 28148 | 90 |
| 20 | 53573 | 25450 | 74550 | 28123 | 80 |
| 30 | 53760 | 25662 | 74338 | 28098 | 70 |
| 40 | 53947 | 25874 | 74126 | 28073 | 60 |
| 50 | 54133 | 26085 | 73915 | 28048 | 50 |
| 60 | 54320 | 26297 | 73703 | 28023 | 40 |
| 70 | 54507 | 26509 | 73491 | 27998 | 30 |
| 80 | 54694 | 26720 | 73280 | 27973 | 20 |
| 90 | 54880 | 26932 | 73068 | 27948 | 10 |
| **30 oo** | 55067 | 27144 | 72856 | 27923 | **70 oo** |
| | **9.53** | **9.56** | **0.43** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | 77g |
| | 186 | 211 | 211 | 25 | |

| | 213 | 212 | 211 | 188 | 187 | 186 | 25 | 24 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21,3 | 21,2 | 21,1 | 18,8 | 18,7 | 18,6 | 2,5 | 2,4 | 1 |
| 2 | 42,6 | 42,4 | 42,2 | 37,6 | 37,4 | 37,2 | 5,0 | 4,8 | 2 |
| 3 | 63,9 | 63,6 | 63,3 | 56,4 | 56,1 | 55,8 | 7,5 | 7,2 | 3 |
| 4 | 85,2 | 84,8 | 84,4 | 75,2 | 74,8 | 74,4 | 10,0 | 9,6 | 4 |
| 5 | 106,5 | 106,0 | 105,5 | 94,0 | 93,5 | 93,0 | 12,5 | 12,0 | 5 |
| 6 | 127,8 | 127,2 | 126,6 | 112,8 | 112,2 | 111,6 | 15,0 | 14,4 | 6 |
| 7 | 149,1 | 148,4 | 147,7 | 131,6 | 130,9 | 130,2 | 17,5 | 16,8 | 7 |
| 8 | 170,4 | 169,6 | 168,8 | 150,4 | 149,6 | 148,8 | 20,0 | 19,2 | 8 |
| 9 | 191,7 | 190,8 | 189,9 | 169,2 | 168,3 | 167,4 | 22,5 | 21,6 | 9 |

| 22g | 187 | 212 | 212 | 24 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.53** | **9.56** | **0.43** | **9.97** | |
| **30 oo** | 55067 | 27144 | 72856 | 27923 | **70 oo** |
| 10 | 55254 | 27355 | 72645 | 27898 | 90 |
| 20 | 55440 | 27567 | 72433 | 27873 | 80 |
| 30 | 55627 | 27779 | 72221 | 27849 | 70 |
| 40 | 55814 | 27990 | 72010 | 27824 | 60 |
| 50 | 56001 | 28202 | 71798 | 27799 | 50 |
| 60 | 56187 | 28413 | 71587 | 27774 | 40 |
| 70 | 56374 | 28625 | 71375 | 27749 | 30 |
| 80 | 56561 | 28837 | 71163 | 27724 | 20 |
| 90 | 56747 | 29048 | 70952 | 27699 | 10 |
| **31 oo** | 56934 | 29260 | 70740 | 27674 | **69 oo** |
| 10 | 57120 | 29471 | 70529 | 27649 | 90 |
| 20 | 57307 | 29683 | 70317 | 27624 | 80 |
| 30 | 57494 | 29894 | 70106 | 27599 | 70 |
| 40 | 57680 | 30106 | 69894 | 27574 | 60 |
| 50 | 57867 | 30318 | 69682 | 27549 | 50 |
| 60 | 58053 | 30529 | 69471 | 27524 | 40 |
| 70 | 58240 | 30741 | 69259 | 27499 | 30 |
| 80 | 58427 | 30952 | 69048 | 27474 | 20 |
| 90 | 58613 | 31164 | 68836 | 27450 | 10 |
| **32 oo** | 58800 | 31375 | 68625 | 27425 | **68 oo** |
| 10 | 58986 | 31587 | 68413 | 27400 | 90 |
| 20 | 59173 | 31798 | 68202 | 27375 | 80 |
| 30 | 59359 | 32009 | 67991 | 27350 | 70 |
| 40 | 59546 | 32221 | 67779 | 27325 | 60 |
| 50 | 59732 | 32432 | 67568 | 27300 | 50 |
| 60 | 59919 | 32644 | 67356 | 27275 | 40 |
| 70 | 60105 | 32855 | 67145 | 27250 | 30 |
| 80 | 60292 | 33067 | 66933 | 27225 | 20 |
| 90 | 60478 | 33278 | 66722 | 27200 | 10 |
| **33 oo** | 60665 | 33490 | 66510 | 27175 | **67 oo** |
| 10 | 60851 | 33701 | 66299 | 27150 | 90 |
| 20 | 61037 | 33912 | 66088 | 27125 | 80 |
| 30 | 61224 | 34124 | 65876 | 27100 | 70 |
| 40 | 61410 | 34335 | 65665 | 27075 | 60 |
| 50 | 61597 | 34546 | 65454 | 27050 | 50 |
| 60 | 61783 | 34758 | 65242 | 27025 | 40 |
| 70 | 61969 | 34969 | 65031 | 27000 | 30 |
| 80 | 62156 | 35181 | 64819 | 26975 | 20 |
| 90 | 62342 | 35392 | 64608 | 26950 | 10 |
| **34 oo** | 62529 | 35603 | 64397 | 26925 | **66 oo** |
| 10 | 62715 | 35815 | 64185 | 26900 | 90 |
| 20 | 62901 | 36026 | 63974 | 26875 | 80 |
| 30 | 63088 | 36237 | 63763 | 26850 | 70 |
| 40 | 63274 | 36448 | 63552 | 26825 | 60 |
| 50 | 63460 | 36660 | 63340 | 26800 | 50 |
| 60 | 63647 | 36871 | 63129 | 26776 | 40 |
| 70 | 63833 | 37082 | 62918 | 26751 | 30 |
| 80 | 64019 | 37294 | 62706 | 26726 | 20 |
| 90 | 64205 | 37505 | 62495 | 26701 | 10 |
| **35 oo** | 64392 | 37716 | 62284 | 26676 | **65 oo** |
| | **9.53** | **9.56** | **0.43** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 186 | 211 | 211 | 25 | |

| 22g | 187 | 212 | 212 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.53** | **9.56** | **0.43** | **9.97** | |
| **35 oo** | 64392 | 37716 | 62284 | 26676 | **65 oo** |
| 10 | 64578 | 37927 | 62073 | 26651 | 90 |
| 20 | 64764 | 38139 | 61861 | 26626 | 80 |
| 30 | 64950 | 38350 | 61650 | 26601 | 70 |
| 40 | 65137 | 38561 | 61439 | 26576 | 60 |
| 50 | 65323 | 38772 | 61228 | 26551 | 50 |
| 60 | 65509 | 38983 | 61017 | 26526 | 40 |
| 70 | 65695 | 39195 | 60805 | 26501 | 30 |
| 80 | 65882 | 39406 | 60594 | 26476 | 20 |
| 90 | 66068 | 39617 | 60383 | 26451 | 10 |
| **36 oo** | 66254 | 39828 | 60172 | 26426 | **64 oo** |
| 10 | 66440 | 40039 | 59961 | 26401 | 90 |
| 20 | 66626 | 40251 | 59749 | 26376 | 80 |
| 30 | 66812 | 40462 | 59538 | 26351 | 70 |
| 40 | 66999 | 40673 | 59327 | 26326 | 60 |
| 50 | 67185 | 40884 | 59116 | 26301 | 50 |
| 60 | 67371 | 41095 | 58905 | 26276 | 40 |
| 70 | 67557 | 41306 | 58694 | 26251 | 30 |
| 80 | 67743 | 41517 | 58483 | 26226 | 20 |
| 90 | 67929 | 41728 | 58272 | 26201 | 10 |
| **37 oo** | 68115 | 41940 | 58060 | 26176 | **63 oo** |
| 10 | 68301 | 42151 | 57849 | 26151 | 90 |
| 20 | 68487 | 42362 | 57638 | 26126 | 80 |
| 30 | 68673 | 42573 | 57427 | 26101 | 70 |
| 40 | 68859 | 42784 | 57216 | 26076 | 60 |
| 50 | 69045 | 42995 | 57005 | 26051 | 50 |
| 60 | 69232 | 43206 | 56794 | 26026 | 40 |
| 70 | 69418 | 43417 | 56583 | 26001 | 30 |
| 80 | 69604 | 43628 | 56372 | 25976 | 20 |
| 90 | 69790 | 43839 | 56161 | 25951 | 10 |
| **38 oo** | 69976 | 44050 | 55950 | 25925 | **62 oo** |
| 10 | 70162 | 44261 | 55739 | 25900 | 90 |
| 20 | 70348 | 44472 | 55528 | 25875 | 80 |
| 30 | 70534 | 44683 | 55317 | 25850 | 70 |
| 40 | 70719 | 44894 | 55106 | 25825 | 60 |
| 50 | 70905 | 45105 | 54895 | 25800 | 50 |
| 60 | 71091 | 45316 | 54684 | 25775 | 40 |
| 70 | 71277 | 45527 | 54473 | 25750 | 30 |
| 80 | 71463 | 45738 | 54262 | 25725 | 20 |
| 90 | 71649 | 45949 | 54051 | 25700 | 10 |
| **39 oo** | 71835 | 46160 | 53840 | 25675 | **61 oo** |
| 10 | 72021 | 46371 | 53629 | 25650 | 90 |
| 20 | 72207 | 46582 | 53418 | 25625 | 80 |
| 30 | 72393 | 46793 | 53207 | 25600 | 70 |
| 40 | 72579 | 47004 | 52996 | 25575 | 60 |
| 50 | 72764 | 47214 | 52786 | 25550 | 50 |
| 60 | 72950 | 47425 | 52575 | 25525 | 40 |
| 70 | 73136 | 47636 | 52364 | 25500 | 30 |
| 80 | 73322 | 47847 | 52153 | 25475 | 20 |
| 90 | 73508 | 48058 | 51942 | 25450 | 10 |
| **40 oo** | 73694 | 48269 | 51731 | 25425 | **60 oo** |
| | **9.53** | **9.56** | **0.43** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 185 | 210 | 210 | 26 | |

| | 212 | 211 | 210 | 187 | 186 | 185 | 26 | 25 | 24 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21,2 | 21,1 | 21,0 | 18,7 | 18,6 | 18,5 | 2,6 | 2,5 | 2,4 | 1 |
| 2 | 42,4 | 42,2 | 42,0 | 37,4 | 37,2 | 37,0 | 5,2 | 5,0 | 4,8 | 2 |
| 3 | 63,6 | 63,3 | 63,0 | 56,1 | 55,8 | 55,5 | 7,8 | 7,5 | 7,2 | 3 |
| 4 | 84,8 | 84,4 | 84,0 | 74,8 | 74,4 | 74,0 | 10,4 | 10,0 | 9,6 | 4 |
| 5 | 106,0 | 105,5 | 105,0 | 93,5 | 93,0 | 92,5 | 13,0 | 12,5 | 12,0 | 5 |
| 6 | 127,2 | 126,6 | 126,0 | 112,2 | 111,6 | 111,0 | 15,6 | 15,0 | 14,4 | 6 |
| 7 | 148,4 | 147,7 | 147,0 | 130,9 | 130,2 | 129,5 | 18,2 | 17,5 | 16,8 | 7 |
| 8 | 169,6 | 168,8 | 168,0 | 149,6 | 148,8 | 148,0 | 20,8 | 20,0 | 19,2 | 8 |
| 9 | 190,8 | 189,9 | 189,0 | 168,3 | 167,4 | 166,5 | 23,4 | 22,5 | 21,6 | 9 |

| 22g | 186 | 211 | 211 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.53** | **9.56** | **0.43** | **9.97** | |
| **40 oo** | 73694 | 48269 | 51731 | 25425 | **60 oo** |
| 10 | 73879 | 48480 | 51520 | 25400 | 90 |
| 20 | 74065 | 48691 | 51309 | 25375 | 80 |
| 30 | 74251 | 48901 | 51099 | 25350 | 70 |
| 40 | 74437 | 49112 | 50888 | 25325 | 60 |
| 50 | 74623 | 49323 | 50677 | 25300 | 50 |
| 60 | 74808 | 49534 | 50466 | 25275 | 40 |
| 70 | 74994 | 49745 | 50255 | 25249 | 30 |
| 80 | 75180 | 49955 | 50045 | 25224 | 20 |
| 90 | 75366 | 50166 | 49834 | 25199 | 10 |
| **41 oo** | 75551 | 50377 | 49623 | 25174 | **59 oo** |
| 10 | 75737 | 50588 | 49412 | 25149 | 90 |
| 20 | 75923 | 50799 | 49201 | 25124 | 80 |
| 30 | 76108 | 51009 | 48991 | 25099 | 70 |
| 40 | 76294 | 51220 | 48780 | 25074 | 60 |
| 50 | 76480 | 51431 | 48569 | 25049 | 50 |
| 60 | 76666 | 51642 | 48358 | 25024 | 40 |
| 70 | 76851 | 51852 | 48148 | 24999 | 30 |
| 80 | 77037 | 52063 | 47937 | 24974 | 20 |
| 90 | 77222 | 52274 | 47726 | 24949 | 10 |
| **42 oo** | 77408 | 52484 | 47516 | 24924 | **58 oo** |
| 10 | 77594 | 52695 | 47305 | 24899 | 90 |
| 20 | 77779 | 52906 | 47094 | 24874 | 80 |
| 30 | 77965 | 53117 | 46883 | 24848 | 70 |
| 40 | 78151 | 53327 | 46673 | 24823 | 60 |
| 50 | 78336 | 53538 | 46462 | 24798 | 50 |
| 60 | 78522 | 53749 | 46251 | 24773 | 40 |
| 70 | 78707 | 53959 | 46041 | 24748 | 30 |
| 80 | 78893 | 54170 | 45830 | 24723 | 20 |
| 90 | 79078 | 54380 | 45620 | 24698 | 10 |
| **43 oo** | 79264 | 54591 | 45409 | 24673 | **57 oo** |
| 10 | 79450 | 54802 | 45198 | 24648 | 90 |
| 20 | 79635 | 55012 | 44988 | 24623 | 80 |
| 30 | 79821 | 55223 | 44777 | 24598 | 70 |
| 40 | 80006 | 55434 | 44566 | 24573 | 60 |
| 50 | 80192 | 55644 | 44356 | 24547 | 50 |
| 60 | 80377 | 55855 | 44145 | 24522 | 40 |
| 70 | 80563 | 56065 | 43935 | 24497 | 30 |
| 80 | 80748 | 56276 | 43724 | 24472 | 20 |
| 90 | 80934 | 56486 | 43514 | 24447 | 10 |
| **44 oo** | 81119 | 56697 | 43303 | 24422 | **56 oo** |
| 10 | 81304 | 56908 | 43092 | 24397 | 90 |
| 20 | 81490 | 57118 | 42882 | 24372 | 80 |
| 30 | 81675 | 57329 | 42671 | 24347 | 70 |
| 40 | 81861 | 57539 | 42461 | 24322 | 60 |
| 50 | 82046 | 57750 | 42250 | 24297 | 50 |
| 60 | 82232 | 57960 | 42040 | 24271 | 40 |
| 70 | 82417 | 58171 | 41829 | 24246 | 30 |
| 80 | 82602 | 58381 | 41619 | 24221 | 20 |
| 90 | 82788 | 58592 | 41408 | 24196 | 10 |
| **45 oo** | 82973 | 58802 | 41198 | 24171 | **55 oo** |
| | **9.53** | **9.56** | **0.43** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 185 | 210 | 210 | 26 | |

| 22g | 186 | 211 | 211 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.53** | **9.56** | **0.43** | **9.97** | |
| **45 oo** | 82973 | 58802 | 41198 | 24171 | **55 oo** |
| 10 | 83158 | 59013 | 40987 | 24146 | 90 |
| 20 | 83344 | 59223 | 40777 | 24121 | 80 |
| 30 | 83529 | 59433 | 40567 | 24096 | 70 |
| 40 | 83714 | 59644 | 40356 | 24071 | 60 |
| 50 | 83900 | 59854 | 40146 | 24045 | 50 |
| 60 | 84085 | 60065 | 39935 | 24020 | 40 |
| 70 | 84270 | 60275 | 39725 | 23995 | 30 |
| 80 | 84456 | 60486 | 39514 | 23970 | 20 |
| 90 | 84641 | 60696 | 39304 | 23945 | 10 |
| **46 oo** | 84826 | 60906 | 39094 | 23920 | **54 oo** |
| 10 | 85012 | 61117 | 38883 | 23895 | 90 |
| 20 | 85197 | 61327 | 38673 | 23870 | 80 |
| 30 | 85382 | 61537 | 38463 | 23845 | 70 |
| 40 | 85567 | 61748 | 38252 | 23819 | 60 |
| 50 | 85753 | 61958 | 38042 | 23794 | 50 |
| 60 | 85938 | 62169 | 37831 | 23769 | 40 |
| 70 | 86123 | 62379 | 37621 | 23744 | 30 |
| 80 | 86308 | 62589 | 37411 | 23719 | 20 |
| 90 | 86493 | 62800 | 37200 | 23694 | 10 |
| **47 oo** | 86679 | 63010 | 36990 | 23669 | **53 oo** |
| 10 | 86864 | 63220 | 36780 | 23644 | 90 |
| 20 | 87049 | 63431 | 36569 | 23618 | 80 |
| 30 | 87234 | 63641 | 36359 | 23593 | 70 |
| 40 | 87419 | 63851 | 36149 | 23568 | 60 |
| 50 | 87604 | 64061 | 35939 | 23543 | 50 |
| 60 | 87789 | 64272 | 35728 | 23518 | 40 |
| 70 | 87975 | 64482 | 35518 | 23493 | 30 |
| 80 | 88160 | 64692 | 35308 | 23468 | 20 |
| 90 | 88345 | 64902 | 35098 | 23442 | 10 |
| **48 oo** | 88530 | 65113 | 34887 | 23417 | **52 oo** |
| 10 | 88715 | 65323 | 34677 | 23392 | 90 |
| 20 | 88900 | 65533 | 34467 | 23367 | 80 |
| 30 | 89085 | 65743 | 34257 | 23342 | 70 |
| 40 | 89270 | 65954 | 34046 | 23317 | 60 |
| 50 | 89455 | 66164 | 33836 | 23292 | 50 |
| 60 | 89640 | 66374 | 33626 | 23266 | 40 |
| 70 | 89825 | 66584 | 33416 | 23241 | 30 |
| 80 | 90010 | 66794 | 33206 | 23216 | 20 |
| 90 | 90195 | 67004 | 32996 | 23191 | 10 |
| **49 oo** | 90380 | 67215 | 32785 | 23166 | **51 oo** |
| 10 | 90565 | 67425 | 32575 | 23141 | 90 |
| 20 | 90750 | 67635 | 32365 | 23115 | 80 |
| 30 | 90935 | 67845 | 32155 | 23090 | 70 |
| 40 | 91120 | 68055 | 31945 | 23065 | 60 |
| 50 | 91305 | 68265 | 31735 | 23040 | 50 |
| 60 | 91490 | 68475 | 31525 | 23015 | 40 |
| 70 | 91675 | 68686 | 31314 | 22990 | 30 |
| 80 | 91860 | 68896 | 31104 | 22965 | 20 |
| 90 | 92045 | 69106 | 30894 | 22939 | 10 |
| **50 oo** | 92230 | 69316 | 30684 | 22914 | **50 oo** |
| | **9.53** | **9.56** | **0.43** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 185 | 210 | 210 | 26 | |

| | 211 | 210 | 186 | 185 | 26 | 25 | |
|---|---|---|---|---|---|---|---|
| 1 | 21,1 | 21,0 | 18,6 | 18,5 | 2,6 | 2,5 | 1 |
| 2 | 42,2 | 42,0 | 37,2 | 37,0 | 5,2 | 5,0 | 2 |
| 3 | 63,3 | 63,0 | 55,8 | 55,5 | 7,8 | 7,5 | 3 |
| 4 | 84,4 | 84,0 | 74,4 | 74,0 | 10,4 | 10,0 | 4 |
| 5 | 105,5 | 105,0 | 93,0 | 92,5 | 13,0 | 12,5 | 5 |
| 6 | 126,6 | 126,0 | 111,6 | 111,0 | 15,6 | 15,0 | 6 |
| 7 | 147,7 | 147,0 | 130,2 | 129,5 | 18,2 | 17,5 | 7 |
| 8 | 168,8 | 168,0 | 148,8 | 148,0 | 20,8 | 20,0 | 8 |
| 9 | 189,9 | 189,0 | 167,4 | 166,5 | 23,4 | 22,5 | 9 |

| 22g | 185 | 210 | 210 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·53** | **9·56** | **0·43** | **9·97** | |
| **50 oo** | 92230 | 69316 | 30684 | 22914 | **50 oo** |
| 10 | 92415 | 69526 | 30474 | 22889 | 90 |
| 20 | 92600 | 69736 | 30264 | 22864 | 80 |
| 30 | 92785 | 69946 | 30054 | 22839 | 70 |
| 40 | 92970 | 70156 | 29844 | 22814 | 60 |
| 50 | 93154 | 70366 | 29634 | 22788 | 50 |
| 60 | 93339 | 70576 | 29424 | 22763 | 40 |
| 70 | 93524 | 70786 | 29214 | 22738 | 30 |
| 80 | 93709 | 70996 | 29004 | 22713 | 20 |
| 90 | 93894 | 71206 | 28794 | 22688 | 10 |
| **51 oo** | 94079 | 71416 | 28584 | 22662 | **49 oo** |
| 10 | 94264 | 71626 | 28374 | 22637 | 90 |
| 20 | 94448 | 71836 | 28164 | 22612 | 80 |
| 30 | 94633 | 72046 | 27954 | 22587 | 70 |
| 40 | 94818 | 72256 | 27744 | 22562 | 60 |
| 50 | 95003 | 72466 | 27534 | 22537 | 50 |
| 60 | 95188 | 72676 | 27324 | 22511 | 40 |
| 70 | 95372 | 72886 | 27114 | 22486 | 30 |
| 80 | 95557 | 73096 | 26904 | 22461 | 20 |
| 90 | 95742 | 73306 | 26694 | 22436 | 10 |
| **52 oo** | 95927 | 73516 | 26484 | 22411 | **48 oo** |
| 10 | 96111 | 73726 | 26274 | 22385 | 90 |
| 20 | 96296 | 73936 | 26064 | 22360 | 80 |
| 30 | 96481 | 74146 | 25854 | 22335 | 70 |
| 40 | 96665 | 74356 | 25644 | 22310 | 60 |
| 50 | 96850 | 74565 | 25435 | 22285 | 50 |
| 60 | 97035 | 74775 | 25225 | 22259 | 40 |
| 70 | 97219 | 74985 | 25015 | 22234 | 30 |
| 80 | 97404 | 75195 | 24805 | 22209 | 20 |
| 90 | 97589 | 75405 | 24595 | 22184 | 10 |
| **53 oo** | 97773 | 75615 | 24385 | 22159 | **47 oo** |
| 10 | 97958 | 75825 | 24175 | 22133 | 90 |
| 20 | 98143 | 76035 | 23965 | 22108 | 80 |
| 30 | 98327 | 76244 | 23756 | 22083 | 70 |
| 40 | 98512 | 76454 | 23546 | 22058 | 60 |
| 50 | 98697 | 76664 | 23336 | 22033 | 50 |
| 60 | 98881 | 76874 | 23126 | 22007 | 40 |
| 70 | 99066 | 77084 | 22916 | 21982 | 30 |
| 80 | 99250 | 77293 | 22707 | 21957 | 20 |
| 90 | 99435 | 77503 | 22497 | 21932 | 10 |
| **54 oo** | 99619 | 77713 | 22287 | 21907 | **46 oo** |
| 10 | 99804 | 77923 | 22077 | 21881 | 90 |
| 20 | 99989 | 78133 | 21867 | 21856 | 80 |
| 30 | *00173 | 78342 | 21658 | 21831 | 70 |
| 40 | *00358 | 78552 | 21448 | 21806 | 60 |
| 50 | *00542 | 78762 | 21238 | 21780 | 50 |
| 60 | *00727 | 78971 | 21029 | 21755 | 40 |
| 70 | *00911 | 79181 | 20819 | 21730 | 30 |
| 80 | *01096 | 79391 | 20609 | 21705 | 20 |
| 90 | *01280 | 79601 | 20399 | 21680 | 10 |
| **55 oo** | *01465 | 79810 | 20190 | 21654 | **45 oo** |
| | ***9·54** | **9·56** | **0·43** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 184 | 209 | 209 | 26 | |

| 22g | 185 | 210 | 210 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·54** | **9·56** | **0·43** | **9·97** | |
| **55 oo** | 01465 | 79810 | 20190 | 21654 | **45 oo** |
| 10 | 01649 | 80020 | 19980 | 21629 | 90 |
| 20 | 01834 | 80230 | 19770 | 21604 | 80 |
| 30 | 02018 | 80439 | 19561 | 21579 | 70 |
| 40 | 02202 | 80649 | 19351 | 21553 | 60 |
| 50 | 02387 | 80859 | 19141 | 21528 | 50 |
| 60 | 02571 | 81068 | 18932 | 21503 | 40 |
| 70 | 02756 | 81278 | 18722 | 21478 | 30 |
| 80 | 02940 | 81488 | 18512 | 21452 | 20 |
| 90 | 03124 | 81697 | 18303 | 21427 | 10 |
| **56 oo** | 03309 | 81907 | 18093 | 21402 | **44 oo** |
| 10 | 03493 | 82117 | 17883 | 21377 | 90 |
| 20 | 03678 | 82326 | 17674 | 21351 | 80 |
| 30 | 03862 | 82536 | 17464 | 21326 | 70 |
| 40 | 04046 | 82745 | 17255 | 21301 | 60 |
| 50 | 04231 | 82955 | 17045 | 21276 | 50 |
| 60 | 04415 | 83164 | 16836 | 21250 | 40 |
| 70 | 04599 | 83374 | 16626 | 21225 | 30 |
| 80 | 04784 | 83584 | 16416 | 21200 | 20 |
| 90 | 04968 | 83793 | 16207 | 21175 | 10 |
| **57 oo** | 05152 | 84003 | 15997 | 21149 | **43 oo** |
| 10 | 05337 | 84212 | 15788 | 21124 | 90 |
| 20 | 05521 | 84422 | 15578 | 21099 | 80 |
| 30 | 05705 | 84631 | 15369 | 21074 | 70 |
| 40 | 05889 | 84841 | 15159 | 21048 | 60 |
| 50 | 06074 | 85050 | 14950 | 21023 | 50 |
| 60 | 06258 | 85260 | 14740 | 20998 | 40 |
| 70 | 06442 | 85469 | 14531 | 20973 | 30 |
| 80 | 06626 | 85679 | 14321 | 20947 | 20 |
| 90 | 06810 | 85888 | 14112 | 20922 | 10 |
| **58 oo** | 06995 | 86098 | 13902 | 20897 | **42 oo** |
| 10 | 07179 | 86307 | 13693 | 20872 | 90 |
| 20 | 07363 | 86517 | 13483 | 20846 | 80 |
| 30 | 07547 | 86726 | 13274 | 20821 | 70 |
| 40 | 07731 | 86936 | 13064 | 20796 | 60 |
| 50 | 07916 | 87145 | 12855 | 20771 | 50 |
| 60 | 08100 | 87354 | 12646 | 20745 | 40 |
| 70 | 08284 | 87564 | 12436 | 20720 | 30 |
| 80 | 08468 | 87773 | 12227 | 20695 | 20 |
| 90 | 08652 | 87983 | 12017 | 20669 | 10 |
| **59 oo** | 08836 | 88192 | 11808 | 20644 | **41 oo** |
| 10 | 09020 | 88401 | 11599 | 20619 | 90 |
| 20 | 09204 | 88611 | 11389 | 20594 | 80 |
| 30 | 09389 | 88820 | 11180 | 20568 | 70 |
| 40 | 09573 | 89030 | 10970 | 20543 | 60 |
| 50 | 09757 | 89239 | 10761 | 20518 | 50 |
| 60 | 09941 | 89448 | 10552 | 20493 | 40 |
| 70 | 10125 | 89658 | 10342 | 20467 | 30 |
| 80 | 10309 | 89867 | 10133 | 20442 | 20 |
| 90 | 10493 | 90076 | 09924 | 20417 | 10 |
| **60 oo** | 10677 | 90286 | 09714 | 20391 | **40 oo** |
| | **9·54** | **9·56** | **0·43** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 184 | 209 | 209 | 26 | |

| | 210 | 209 | 185 | 184 | 26 | 25 | |
|---|---|---|---|---|---|---|---|
| 1 | 21,0 | 20,9 | 18,5 | 18,4 | 2,6 | 2,5 | 1 |
| 2 | 42,0 | 41,8 | 37,0 | 36,8 | 5,2 | 5,0 | 2 |
| 3 | 63,0 | 62,7 | 55,5 | 55,2 | 7,8 | 7,5 | 3 |
| 4 | 84,0 | 83,6 | 74,0 | 73,6 | 10,4 | 10,0 | 4 |
| 5 | 105,0 | 104,5 | 92,5 | 92,0 | 13,0 | 12,5 | 5 |
| 6 | 126,0 | 125,4 | 111,0 | 110,4 | 15,6 | 15,0 | 6 |
| 7 | 147,0 | 146,3 | 129,5 | 128,8 | 18,2 | 17,5 | 7 |
| 8 | 168,0 | 167,2 | 148,0 | 147,2 | 20,8 | 20,0 | 8 |
| 9 | 189,0 | 188,1 | 166,5 | 165,6 | 23,4 | 22,5 | 9 |

| 22g | 184 | 210 | 210 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·54** | **9·56** | **0·43** | **9·97** | |
| **60 oo** | 10677 | 90286 | 09714 | 20391 | **40 oo** |
| 10 | 10861 | 90495 | 09505 | 20366 | 90 |
| 20 | 11045 | 90704 | 09296 | 20341 | 80 |
| 30 | 11229 | 90913 | 09087 | 20315 | 70 |
| 40 | 11413 | 91123 | 08877 | 20290 | 60 |
| 50 | 11597 | 91332 | 08668 | 20265 | 50 |
| 60 | 11781 | 91541 | 08459 | 20240 | 40 |
| 70 | 11965 | 91751 | 08249 | 20214 | 30 |
| 80 | 12149 | 91960 | 08040 | 20189 | 20 |
| 90 | 12333 | 92169 | 07831 | 20164 | 10 |
| **61 oo** | 12517 | 92378 | 07622 | 20138 | **39 oo** |
| 10 | 12701 | 92588 | 07412 | 20113 | 90 |
| 20 | 12885 | 92797 | 07203 | 20088 | 80 |
| 30 | 13069 | 93006 | 06994 | 20063 | 70 |
| 40 | 13252 | 93215 | 06785 | 20037 | 60 |
| 50 | 13436 | 93424 | 06576 | 20012 | 50 |
| 60 | 13620 | 93634 | 06366 | 19987 | 40 |
| 70 | 13804 | 93843 | 06157 | 19961 | 30 |
| 80 | 13988 | 94052 | 05948 | 19936 | 20 |
| 90 | 14172 | 94261 | 05739 | 19911 | 10 |
| **62 oo** | 14356 | 94470 | 05530 | 19885 | **38 oo** |
| 10 | 14540 | 94679 | 05321 | 19860 | 90 |
| 20 | 14723 | 94889 | 05111 | 19835 | 80 |
| 30 | 14907 | 95098 | 04902 | 19809 | 70 |
| 40 | 15091 | 95307 | 04693 | 19784 | 60 |
| 50 | 15275 | 95516 | 04484 | 19759 | 50 |
| 60 | 15459 | 95725 | 04275 | 19733 | 40 |
| 70 | 15642 | 95934 | 04066 | 19708 | 30 |
| 80 | 15826 | 96143 | 03857 | 19683 | 20 |
| 90 | 16010 | 96352 | 03648 | 19657 | 10 |
| **63 oo** | 16194 | 96562 | 03438 | 19632 | **37 oo** |
| 10 | 16377 | 96771 | 03229 | 19607 | 90 |
| 20 | 16561 | 96980 | 03020 | 19581 | 80 |
| 30 | 16745 | 97189 | 02811 | 19556 | 70 |
| 40 | 16929 | 97398 | 02602 | 19531 | 60 |
| 50 | 17112 | 97607 | 02393 | 19506 | 50 |
| 60 | 17296 | 97816 | 02184 | 19480 | 40 |
| 70 | 17480 | 98025 | 01975 | 19455 | 30 |
| 80 | 17663 | 98234 | 01766 | 19430 | 20 |
| 90 | 17847 | 98443 | 01557 | 19404 | 10 |
| **64 oo** | 18031 | 98652 | 01348 | 19379 | **36 oo** |
| 10 | 18215 | 98861 | 01139 | 19353 | 90 |
| 20 | 18398 | 99070 | 00930 | 19328 | 80 |
| 30 | 18582 | 99279 | 00721 | 19303 | 70 |
| 40 | 18765 | 99488 | 00512 | 19277 | 60 |
| 50 | 18949 | 99697 | 00303 | 19252 | 50 |
| 60 | 19133 | 99906 | 00094 | 19227 | 40 |
| 70 | 19316 | ∗00115 | ∗99885 | 19201 | 30 |
| 80 | 19500 | ∗00324 | ∗99676 | 19176 | 20 |
| 90 | 19684 | ∗00533 | ∗99467 | 19151 | 10 |
| **65 oo** | 19867 | ∗00742 | ∗99258 | 19125 | **35 oo** |
| | **9·54** | **∗9·57** | **∗0·42** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 183 | 209 | 209 | 26 | |

| 22g | 184 | 209 | 209 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·54** | **9·57** | **0·42** | **9·97** | |
| **65 oo** | 19867 | 00742 | 99258 | 19125 | **35 oo** |
| 10 | 20051 | 00951 | 99049 | 19100 | 90 |
| 20 | 20234 | 01160 | 98840 | 19075 | 80 |
| 30 | 20418 | 01368 | 98632 | 19049 | 70 |
| 40 | 20601 | 01577 | 98423 | 19024 | 60 |
| 50 | 20785 | 01786 | 98214 | 18999 | 50 |
| 60 | 20968 | 01995 | 98005 | 18973 | 40 |
| 70 | 21152 | 02204 | 97796 | 18948 | 30 |
| 80 | 21335 | 02413 | 97587 | 18923 | 20 |
| 90 | 21519 | 02622 | 97378 | 18897 | 10 |
| **66 oo** | 21702 | 02831 | 97169 | 18872 | **34 oo** |
| 10 | 21886 | 03040 | 96960 | 18846 | 90 |
| 20 | 22069 | 03248 | 96752 | 18821 | 80 |
| 30 | 22253 | 03457 | 96543 | 18796 | 70 |
| 40 | 22436 | 03666 | 96334 | 18770 | 60 |
| 50 | 22620 | 03875 | 96125 | 18745 | 50 |
| 60 | 22803 | 04084 | 95916 | 18720 | 40 |
| 70 | 22987 | 04292 | 95708 | 18694 | 30 |
| 80 | 23170 | 04501 | 95499 | 18669 | 20 |
| 90 | 23354 | 04710 | 95290 | 18644 | 10 |
| **67 oo** | 23537 | 04919 | 95081 | 18618 | **33 oo** |
| 10 | 23720 | 05128 | 94872 | 18593 | 90 |
| 20 | 23904 | 05336 | 94664 | 18567 | 80 |
| 30 | 24087 | 05545 | 94455 | 18542 | 70 |
| 40 | 24271 | 05754 | 94246 | 18517 | 60 |
| 50 | 24454 | 05963 | 94037 | 18491 | 50 |
| 60 | 24637 | 06171 | 93829 | 18466 | 40 |
| 70 | 24821 | 06380 | 93620 | 18440 | 30 |
| 80 | 25004 | 06589 | 93411 | 18415 | 20 |
| 90 | 25187 | 06798 | 93202 | 18390 | 10 |
| **68 oo** | 25371 | 07006 | 92994 | 18364 | **32 oo** |
| 10 | 25554 | 07215 | 92785 | 18339 | 90 |
| 20 | 25737 | 07424 | 92576 | 18314 | 80 |
| 30 | 25920 | 07632 | 92368 | 18288 | 70 |
| 40 | 26104 | 07841 | 92159 | 18263 | 60 |
| 50 | 26287 | 08050 | 91950 | 18237 | 50 |
| 60 | 26470 | 08258 | 91742 | 18212 | 40 |
| 70 | 26654 | 08467 | 91533 | 18187 | 30 |
| 80 | 26837 | 08676 | 91324 | 18161 | 20 |
| 90 | 27020 | 08884 | 91116 | 18136 | 10 |
| **69 oo** | 27203 | 09093 | 90907 | 18110 | **31 oo** |
| 10 | 27387 | 09302 | 90698 | 18085 | 90 |
| 20 | 27570 | 09510 | 90490 | 18060 | 80 |
| 30 | 27753 | 09719 | 90281 | 18034 | 70 |
| 40 | 27936 | 09927 | 90073 | 18009 | 60 |
| 50 | 28119 | 10136 | 89864 | 17983 | 50 |
| 60 | 28303 | 10345 | 89655 | 17958 | 40 |
| 70 | 28486 | 10553 | 89447 | 17933 | 30 |
| 80 | 28669 | 10762 | 89238 | 17907 | 20 |
| 90 | 28852 | 10970 | 89030 | 17882 | 10 |
| **70 oo** | 29035 | 11179 | 88821 | 17856 | **30 oo** |
| | **9·54** | **9·57** | **0·42** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 183 | 208 | 208 | 26 | |

| | 210 | 209 | 208 | 184 | 183 | 26 | 25 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 21,0 | 20,9 | 20,8 | 18,4 | 18,3 | 2,6 | 2,5 | 1 |
| 2 | 42,0 | 41,8 | 41,6 | 36,8 | 36,6 | 5,2 | 5,0 | 2 |
| 3 | 63,0 | 62,7 | 62,4 | 55,2 | 54,9 | 7,8 | 7,5 | 3 |
| 4 | 84,0 | 83,6 | 83,2 | 73,6 | 73,2 | 10,4 | 10,0 | 4 |
| 5 | 105,0 | 104,5 | 104,0 | 92,0 | 91,5 | 13,0 | 12,5 | 5 |
| 6 | 126,0 | 125,4 | 124,8 | 110,4 | 109,8 | 15,6 | 15,0 | 6 |
| 7 | 147,0 | 146,3 | 145,6 | 128,8 | 128,1 | 18,2 | 17,5 | 7 |
| 8 | 168,0 | 167,2 | 166,4 | 147,2 | 146,4 | 20,8 | 20,0 | 8 |
| 9 | 189,0 | 188,1 | 187,2 | 165,6 | 164,7 | 23,4 | 22,5 | 9 |

| 22g | 184 | 209 | 209 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·54** | **9·57** | **0·42** | **9·97** | |
| **70 oo** | 29035 | 11179 | 88821 | 17856 | **30 oo** |
| 10 | 29218 | 11387 | 88613 | 17831 | 90 |
| 20 | 29401 | 11596 | 88404 | 17806 | 80 |
| 30 | 29585 | 11804 | 88196 | 17780 | 70 |
| 40 | 29768 | 12013 | 87987 | 17755 | 60 |
| 50 | 29951 | 12221 | 87779 | 17729 | 50 |
| 60 | 30134 | 12430 | 87570 | 17704 | 40 |
| 70 | 30317 | 12638 | 87362 | 17678 | 30 |
| 80 | 30500 | 12847 | 87153 | 17653 | 20 |
| 90 | 30683 | 13055 | 86945 | 17628 | 10 |
| **71 oo** | 30866 | 13264 | 86736 | 17602 | **29 oo** |
| 10 | 31049 | 13472 | 86528 | 17577 | 90 |
| 20 | 31232 | 13681 | 86319 | 17551 | 80 |
| 30 | 31415 | 13889 | 86111 | 17526 | 70 |
| 40 | 31598 | 14098 | 85902 | 17500 | 60 |
| 50 | 31781 | 14306 | 85694 | 17475 | 50 |
| 60 | 31964 | 14515 | 85485 | 17450 | 40 |
| 70 | 32147 | 14723 | 85277 | 17424 | 30 |
| 80 | 32330 | 14932 | 85068 | 17399 | 20 |
| 90 | 32513 | 15140 | 84860 | 17373 | 10 |
| **72 oo** | 32696 | 15348 | 84652 | 17348 | **28 oo** |
| 10 | 32879 | 15557 | 84443 | 17322 | 90 |
| 20 | 33062 | 15765 | 84235 | 17297 | 80 |
| 30 | 33245 | 15974 | 84026 | 17272 | 70 |
| 40 | 33428 | 16182 | 83818 | 17246 | 60 |
| 50 | 33611 | 16390 | 83610 | 17221 | 50 |
| 60 | 33794 | 16599 | 83401 | 17195 | 40 |
| 70 | 33977 | 16807 | 83193 | 17170 | 30 |
| 80 | 34160 | 17015 | 82985 | 17144 | 20 |
| 90 | 34343 | 17224 | 82776 | 17119 | 10 |
| **73 oo** | 34525 | 17432 | 82568 | 17093 | **27 oo** |
| 10 | 34708 | 17640 | 82360 | 17068 | 90 |
| 20 | 34891 | 17849 | 82151 | 17043 | 80 |
| 30 | 35074 | 18057 | 81943 | 17017 | 70 |
| 40 | 35257 | 18265 | 81735 | 16992 | 60 |
| 50 | 35440 | 18474 | 81526 | 16966 | 50 |
| 60 | 35623 | 18682 | 81318 | 16941 | 40 |
| 70 | 35805 | 18890 | 81110 | 16915 | 30 |
| 80 | 35988 | 19098 | 80902 | 16890 | 20 |
| 90 | 36171 | 19307 | 80693 | 16864 | 10 |
| **74 oo** | 36354 | 19515 | 80485 | 16839 | **26 oo** |
| 10 | 36537 | 19723 | 80277 | 16813 | 90 |
| 20 | 36719 | 19931 | 80069 | 16788 | 80 |
| 30 | 36902 | 20140 | 79860 | 16763 | 70 |
| 40 | 37085 | 20348 | 79652 | 16737 | 60 |
| 50 | 37268 | 20556 | 79444 | 16712 | 50 |
| 60 | 37450 | 20764 | 79236 | 16686 | 40 |
| 70 | 37633 | 20972 | 79028 | 16661 | 30 |
| 80 | 37816 | 21181 | 78819 | 16635 | 20 |
| 90 | 37999 | 21389 | 78611 | 16610 | 10 |
| **75 oo** | 38181 | 21597 | 78403 | 16584 | **25 oo** |
| | **9·54** | **9·57** | **0·42** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 77g |
| | 182 | 208 | 208 | 26 | |

| 22g | 183 | 209 | 209 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·54** | **9·57** | **0·42** | **9·97** | |
| **75 oo** | 38181 | 21597 | 78403 | 16584 | **25 oo** |
| 10 | 38364 | 21805 | 78195 | 16559 | 90 |
| 20 | 38547 | 22013 | 77987 | 16533 | 80 |
| 30 | 38729 | 22221 | 77779 | 16508 | 70 |
| 40 | 38912 | 22430 | 77570 | 16482 | 60 |
| 50 | 39095 | 22638 | 77362 | 16457 | 50 |
| 60 | 39277 | 22846 | 77154 | 16431 | 40 |
| 70 | 39460 | 23054 | 76946 | 16406 | 30 |
| 80 | 39643 | 23262 | 76738 | 16380 | 20 |
| 90 | 39825 | 23470 | 76530 | 16355 | 10 |
| **76 oo** | 40008 | 23678 | 76322 | 16330 | **24 oo** |
| 10 | 40190 | 23886 | 76114 | 16304 | 90 |
| 20 | 40373 | 24095 | 75905 | 16279 | 80 |
| 30 | 40556 | 24303 | 75697 | 16253 | 70 |
| 40 | 40738 | 24511 | 75489 | 16228 | 60 |
| 50 | 40921 | 24719 | 75281 | 16202 | 50 |
| 60 | 41103 | 24927 | 75073 | 16177 | 40 |
| 70 | 41286 | 25135 | 74865 | 16151 | 30 |
| 80 | 41468 | 25343 | 74657 | 16126 | 20 |
| 90 | 41651 | 25551 | 74449 | 16100 | 10 |
| **77 oo** | 41834 | 25759 | 74241 | 16075 | **23 oo** |
| 10 | 42016 | 25967 | 74033 | 16049 | 90 |
| 20 | 42199 | 26175 | 73825 | 16024 | 80 |
| 30 | 42381 | 26383 | 73617 | 15998 | 70 |
| 40 | 42564 | 26591 | 73409 | 15973 | 60 |
| 50 | 42746 | 26799 | 73201 | 15947 | 50 |
| 60 | 42929 | 27007 | 72993 | 15922 | 40 |
| 70 | 43111 | 27215 | 72785 | 15896 | 30 |
| 80 | 43294 | 27423 | 72577 | 15871 | 20 |
| 90 | 43476 | 27631 | 72369 | 15845 | 10 |
| **78 oo** | 43658 | 27839 | 72161 | 15820 | **22 oo** |
| 10 | 43841 | 28047 | 71953 | 15794 | 90 |
| 20 | 44023 | 28255 | 71745 | 15769 | 80 |
| 30 | 44206 | 28463 | 71537 | 15743 | 70 |
| 40 | 44388 | 28671 | 71329 | 15718 | 60 |
| 50 | 44570 | 28878 | 71122 | 15692 | 50 |
| 60 | 44753 | 29086 | 70914 | 15667 | 40 |
| 70 | 44935 | 29294 | 70706 | 15641 | 30 |
| 80 | 45118 | 29502 | 70498 | 15615 | 20 |
| 90 | 45300 | 29710 | 70290 | 15590 | 10 |
| **79 oo** | 45482 | 29918 | 70082 | 15564 | **21 oo** |
| 10 | 45665 | 30126 | 69874 | 15539 | 90 |
| 20 | 45847 | 30334 | 69666 | 15513 | 80 |
| 30 | 46029 | 30542 | 69458 | 15488 | 70 |
| 40 | 46212 | 30749 | 69251 | 15462 | 60 |
| 50 | 46394 | 30957 | 69043 | 15437 | 50 |
| 60 | 46576 | 31165 | 68835 | 15411 | 40 |
| 70 | 46759 | 31373 | 68627 | 15386 | 30 |
| 80 | 46941 | 31581 | 68419 | 15360 | 20 |
| 90 | 47123 | 31788 | 68212 | 15335 | 10 |
| **80 oo** | 47305 | 31996 | 68004 | 15309 | **20 oo** |
| | **9·54** | **9·57** | **0·42** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | 77g |
| | 182 | 207 | 207 | 26 | |

| | 209 | 208 | 207 | 184 | 183 | 182 | 26 | 25 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20,9 | 20,8 | 20,7 | 18,4 | 18,3 | 18,2 | 2,6 | 2,5 | 1 |
| 2 | 41,8 | 41,6 | 41,4 | 36,8 | 36,6 | 36,4 | 5,2 | 5,0 | 2 |
| 3 | 62,7 | 62,4 | 62,1 | 55,2 | 54,9 | 54,6 | 7,8 | 7,5 | 3 |
| 4 | 83,6 | 83,2 | 82,8 | 73,6 | 73,2 | 72,8 | 10,4 | 10,0 | 4 |
| 5 | 104,5 | 104,0 | 103,5 | 92,0 | 91,5 | 91,0 | 13,0 | 12,5 | 5 |
| 6 | 125,4 | 124,8 | 124,2 | 110,4 | 109,8 | 109,2 | 15,6 | 15,0 | 6 |
| 7 | 146,3 | 145,6 | 144,9 | 128,8 | 128,1 | 127,4 | 18,2 | 17,5 | 7 |
| 8 | 167,2 | 166,4 | 165,6 | 147,2 | 146,4 | 145,6 | 20,8 | 20,0 | 8 |
| 9 | 188,1 | 187,2 | 186,3 | 165,6 | 164,7 | 163,8 | 23,4 | 22,5 | 9 |

| 22g | 183 | 208 | 208 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·54** | **9·57** | **0·42** | **9·97** | |
| **80 oo** | 47305 | 31996 | 68004 | 15309 | **20 oo** |
| 10 | 47488 | 32204 | 67796 | 15284 | 90 |
| 20 | 47670 | 32412 | 67588 | 15258 | 80 |
| 30 | 47852 | 32620 | 67380 | 15233 | 70 |
| 40 | 48034 | 32827 | 67173 | 15207 | 60 |
| 50 | 48217 | 33035 | 66965 | 15181 | 50 |
| 60 | 48399 | 33243 | 66757 | 15156 | 40 |
| 70 | 48581 | 33451 | 66549 | 15130 | 30 |
| 80 | 48763 | 33658 | 66342 | 15105 | 20 |
| 90 | 48945 | 33866 | 66134 | 15079 | 10 |
| **81 oo** | 49128 | 34074 | 65926 | 15054 | **19 oo** |
| 10 | 49310 | 34282 | 65718 | 15028 | 90 |
| 20 | 49492 | 34489 | 65511 | 15003 | 80 |
| 30 | 49674 | 34697 | 65303 | 14977 | 70 |
| 40 | 49856 | 34905 | 65095 | 14952 | 60 |
| 50 | 50038 | 35112 | 64888 | 14926 | 50 |
| 60 | 50221 | 35320 | 64680 | 14900 | 40 |
| 70 | 50403 | 35528 | 64472 | 14875 | 30 |
| 80 | 50585 | 35735 | 64265 | 14849 | 20 |
| 90 | 50767 | 35943 | 64057 | 14824 | 10 |
| **82 oo** | 50949 | 36151 | 63849 | 14798 | **18 oo** |
| 10 | 51131 | 36358 | 63642 | 14773 | 90 |
| 20 | 51313 | 36566 | 63434 | 14747 | 80 |
| 30 | 51495 | 36774 | 63226 | 14722 | 70 |
| 40 | 51677 | 36981 | 63019 | 14696 | 60 |
| 50 | 51859 | 37189 | 62811 | 14670 | 50 |
| 60 | 52041 | 37397 | 62603 | 14645 | 40 |
| 70 | 52223 | 37604 | 62396 | 14619 | 30 |
| 80 | 52405 | 37812 | 62188 | 14594 | 20 |
| 90 | 52587 | 38019 | 61981 | 14568 | 10 |
| **83 oo** | 52769 | 38227 | 61773 | 14543 | **17 oo** |
| 10 | 52951 | 38434 | 61566 | 14517 | 90 |
| 20 | 53133 | 38642 | 61358 | 14491 | 80 |
| 30 | 53315 | 38850 | 61150 | 14466 | 70 |
| 40 | 53497 | 39057 | 60943 | 14440 | 60 |
| 50 | 53679 | 39265 | 60735 | 14415 | 50 |
| 60 | 53861 | 39472 | 60528 | 14389 | 40 |
| 70 | 54043 | 39680 | 60320 | 14364 | 30 |
| 80 | 54225 | 39887 | 60113 | 14338 | 20 |
| 90 | 54407 | 40095 | 59905 | 14312 | 10 |
| **84 oo** | 54589 | 40302 | 59698 | 14287 | **16 oo** |
| 10 | 54771 | 40510 | 59490 | 14261 | 90 |
| 20 | 54953 | 40717 | 59283 | 14236 | 80 |
| 30 | 55135 | 40925 | 59075 | 14210 | 70 |
| 40 | 55317 | 41132 | 58868 | 14185 | 60 |
| 50 | 55499 | 41340 | 58660 | 14159 | 50 |
| 60 | 55680 | 41547 | 58453 | 14133 | 40 |
| 70 | 55862 | 41755 | 58245 | 14108 | 30 |
| 80 | 56044 | 41962 | 58038 | 14082 | 20 |
| 90 | 56226 | 42169 | 57831 | 14057 | 10 |
| **85 oo** | 56408 | 42377 | 57623 | 14031 | **15 oo** |
| | **9·54** | **9·57** | **0·42** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 181 | 207 | 207 | 26 | |

| 22g | 182 | 208 | 208 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·54** | **9·57** | **0·42** | **9·97** | |
| **85 oo** | 56408 | 42377 | 57623 | 14031 | **15 oo** |
| 10 | 56590 | 42584 | 57416 | 14005 | 90 |
| 20 | 56771 | 42792 | 57208 | 13980 | 80 |
| 30 | 56953 | 42999 | 57001 | 13954 | 70 |
| 40 | 57135 | 43207 | 56793 | 13929 | 60 |
| 50 | 57317 | 43414 | 56586 | 13903 | 50 |
| 60 | 57499 | 43621 | 56379 | 13877 | 40 |
| 70 | 57680 | 43829 | 56171 | 13852 | 30 |
| 80 | 57862 | 44036 | 55964 | 13826 | 20 |
| 90 | 58044 | 44243 | 55757 | 13801 | 10 |
| **86 oo** | 58226 | 44451 | 55549 | 13775 | **14 oo** |
| 10 | 58407 | 44658 | 55342 | 13749 | 90 |
| 20 | 58589 | 44865 | 55135 | 13724 | 80 |
| 30 | 58771 | 45073 | 54927 | 13698 | 70 |
| 40 | 58953 | 45280 | 54720 | 13673 | 60 |
| 50 | 59134 | 45487 | 54513 | 13647 | 50 |
| 60 | 59316 | 45695 | 54305 | 13621 | 40 |
| 70 | 59498 | 45902 | 54098 | 13596 | 30 |
| 80 | 59679 | 46109 | 53891 | 13570 | 20 |
| 90 | 59861 | 46317 | 53683 | 13544 | 10 |
| **87 oo** | 60043 | 46524 | 53476 | 13519 | **13 oo** |
| 10 | 60224 | 46731 | 53269 | 13493 | 90 |
| 20 | 60406 | 46938 | 53062 | 13468 | 80 |
| 30 | 60588 | 47146 | 52854 | 13442 | 70 |
| 40 | 60769 | 47353 | 52647 | 13416 | 60 |
| 50 | 60951 | 47560 | 52440 | 13391 | 50 |
| 60 | 61133 | 47767 | 52233 | 13365 | 40 |
| 70 | 61314 | 47975 | 52025 | 13339 | 30 |
| 80 | 61496 | 48182 | 51818 | 13314 | 20 |
| 90 | 61677 | 48389 | 51611 | 13288 | 10 |
| **88 oo** | 61859 | 48596 | 51404 | 13263 | **12 oo** |
| 10 | 62040 | 48803 | 51197 | 13237 | 90 |
| 20 | 62222 | 49011 | 50989 | 13211 | 80 |
| 30 | 62404 | 49218 | 50782 | 13186 | 70 |
| 40 | 62585 | 49425 | 50575 | 13160 | 60 |
| 50 | 62767 | 49632 | 50368 | 13134 | 50 |
| 60 | 62948 | 49839 | 50161 | 13109 | 40 |
| 70 | 63130 | 50046 | 49954 | 13083 | 30 |
| 80 | 63311 | 50254 | 49746 | 13058 | 20 |
| 90 | 63493 | 50461 | 49539 | 13032 | 10 |
| **89 oo** | 63674 | 50668 | 49332 | 13006 | **11 oo** |
| 10 | 63856 | 50875 | 49125 | 12981 | 90 |
| 20 | 64037 | 51082 | 48918 | 12955 | 80 |
| 30 | 64219 | 51289 | 48711 | 12929 | 70 |
| 40 | 64400 | 51496 | 48504 | 12904 | 60 |
| 50 | 64581 | 51703 | 48297 | 12878 | 50 |
| 60 | 64763 | 51911 | 48089 | 12852 | 40 |
| 70 | 64944 | 52118 | 47882 | 12827 | 30 |
| 80 | 65126 | 52325 | 47675 | 12801 | 20 |
| 90 | 65307 | 52532 | 47468 | 12775 | 10 |
| **90 oo** | 65489 | 52739 | 47261 | 12750 | **10 oo** |
| | **9·54** | **9·57** | **0·42** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 181 | 207 | 207 | 26 | |

| | 208 | 207 | 183 | 182 | 181 | 26 | 25 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 20,8 | 20,7 | 18,3 | 18,2 | 18,1 | 2,6 | 2,5 | 1 |
| 2 | 41,6 | 41,4 | 36,6 | 36,4 | 36,2 | 5,2 | 5,0 | 2 |
| 3 | 62,4 | 62,1 | 54,9 | 54,6 | 54,3 | 7,8 | 7,5 | 3 |
| 4 | 83,2 | 82,8 | 73,2 | 72,8 | 72,4 | 10,4 | 10,0 | 4 |
| 5 | 104,0 | 103,5 | 91,5 | 91,0 | 90,5 | 13,0 | 12,5 | 5 |
| 6 | 124,8 | 124,2 | 109,8 | 109,2 | 108,6 | 15,6 | 15,0 | 6 |
| 7 | 145,6 | 144,9 | 128,1 | 127,4 | 126,7 | 18,2 | 17,5 | 7 |
| 8 | 166,4 | 165,6 | 146,4 | 145,6 | 144,8 | 20,8 | 20,0 | 8 |
| 9 | 187,2 | 186,3 | 164,7 | 163,8 | 162,9 | 23,4 | 22,5 | 9 |

| 22g | 182 | 207 | 207 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·54** | **9·57** | **0.42** | **9·97** | |
| **90 oo** | 65489 | 52739 | 47261 | 12750 | **10 oo** |
| 10 | 65670 | 52946 | 47054 | 12724 | 90 |
| 20 | 65851 | 53153 | 46847 | 12698 | 80 |
| 30 | 66033 | 53360 | 46640 | 12673 | 70 |
| 40 | 66214 | 53567 | 46433 | 12647 | 60 |
| 50 | 66395 | 53774 | 46226 | 12621 | 50 |
| 60 | 66577 | 53981 | 46019 | 12596 | 40 |
| 70 | 66758 | 54188 | 45812 | 12570 | 30 |
| 80 | 66939 | 54395 | 45605 | 12544 | 20 |
| 90 | 67121 | 54602 | 45398 | 12519 | 10 |
| **91 oo** | 67302 | 54809 | 45191 | 12493 | **09 oo** |
| 10 | 67483 | 55016 | 44984 | 12467 | 90 |
| 20 | 67665 | 55223 | 44777 | 12442 | 80 |
| 30 | 67846 | 55430 | 44570 | 12416 | 70 |
| 40 | 68027 | 55637 | 44363 | 12390 | 60 |
| 50 | 68209 | 55844 | 44156 | 12365 | 50 |
| 60 | 68390 | 56051 | 43949 | 12339 | 40 |
| 70 | 68571 | 56258 | 43742 | 12313 | 30 |
| 80 | 68752 | 56465 | 43535 | 12288 | 20 |
| 90 | 68934 | 56671 | 43329 | 12262 | 10 |
| **92 oo** | 69115 | 56878 | 43122 | 12236 | **08 oo** |
| 10 | 69296 | 57085 | 42915 | 12211 | 90 |
| 20 | 69477 | 57292 | 42708 | 12185 | 80 |
| 30 | 69658 | 57499 | 42501 | 12159 | 70 |
| 40 | 69840 | 57706 | 42294 | 12134 | 60 |
| 50 | 70021 | 57913 | 42087 | 12108 | 50 |
| 60 | 70202 | 58120 | 41880 | 12082 | 40 |
| 70 | 70383 | 58327 | 41673 | 12057 | 30 |
| 80 | 70564 | 58533 | 41467 | 12031 | 20 |
| 90 | 70745 | 58740 | 41260 | 12005 | 10 |
| **93 oo** | 70927 | 58947 | 41053 | 11980 | **07 oo** |
| 10 | 71108 | 59154 | 40846 | 11954 | 90 |
| 20 | 71289 | 59361 | 40639 | 11928 | 80 |
| 30 | 71470 | 59567 | 40433 | 11902 | 70 |
| 40 | 71651 | 59774 | 40226 | 11877 | 60 |
| 50 | 71832 | 59981 | 40019 | 11851 | 50 |
| 60 | 72013 | 60188 | 39812 | 11825 | 40 |
| 70 | 72194 | 60395 | 39605 | 11800 | 30 |
| 80 | 72375 | 60601 | 39399 | 11774 | 20 |
| 90 | 72556 | 60808 | 39192 | 11748 | 10 |
| **94 oo** | 72737 | 61015 | 38985 | 11723 | **06 oo** |
| 10 | 72919 | 61222 | 38778 | 11697 | 90 |
| 20 | 73100 | 61428 | 38572 | 11671 | 80 |
| 30 | 73281 | 61635 | 38365 | 11645 | 70 |
| 40 | 73462 | 61842 | 38158 | 11620 | 60 |
| 50 | 73643 | 62049 | 37951 | 11594 | 50 |
| 60 | 73824 | 62255 | 37745 | 11568 | 40 |
| 70 | 74005 | 62462 | 37538 | 11543 | 30 |
| 80 | 74186 | 62669 | 37331 | 11517 | 20 |
| 90 | 74367 | 62875 | 37125 | 11491 | 10 |
| **95 oo** | 74548 | 63082 | 36918 | 11465 | **05 oo** |
| | **9·54** | **9·57** | **0.42** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 181 | 206 | 206 | 26 | |

| 22g | 181 | 207 | 207 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·54** | **9·57** | **0.42** | **9·97** | |
| **95 oo** | 74548 | 63082 | 36918 | 11465 | **05 oo** |
| 10 | 74729 | 63289 | 36711 | 11440 | 90 |
| 20 | 74909 | 63495 | 36505 | 11414 | 80 |
| 30 | 75090 | 63702 | 36298 | 11388 | 70 |
| 40 | 75271 | 63909 | 36091 | 11363 | 60 |
| 50 | 75452 | 64115 | 35885 | 11337 | 50 |
| 60 | 75633 | 64322 | 35678 | 11311 | 40 |
| 70 | 75814 | 64529 | 35471 | 11285 | 30 |
| 80 | 75995 | 64735 | 35265 | 11260 | 20 |
| 90 | 76176 | 64942 | 35058 | 11234 | 10 |
| **96 oo** | 76357 | 65149 | 34851 | 11208 | **04 oo** |
| 10 | 76538 | 65355 | 34645 | 11182 | 90 |
| 20 | 76719 | 65562 | 34438 | 11157 | 80 |
| 30 | 76899 | 65768 | 34232 | 11131 | 70 |
| 40 | 77080 | 65975 | 34025 | 11105 | 60 |
| 50 | 77261 | 66182 | 33818 | 11080 | 50 |
| 60 | 77442 | 66388 | 33612 | 11054 | 40 |
| 70 | 77623 | 66595 | 33405 | 11028 | 30 |
| 80 | 77804 | 66801 | 33199 | 11002 | 20 |
| 90 | 77984 | 67008 | 32992 | 10977 | 10 |
| **97 oo** | 78165 | 67214 | 32786 | 10951 | **03 oo** |
| 10 | 78346 | 67421 | 32579 | 10925 | 90 |
| 20 | 78527 | 67627 | 32373 | 10899 | 80 |
| 30 | 78708 | 67834 | 32166 | 10874 | 70 |
| 40 | 78888 | 68040 | 31960 | 10848 | 60 |
| 50 | 79069 | 68247 | 31753 | 10822 | 50 |
| 60 | 79250 | 68453 | 31547 | 10796 | 40 |
| 70 | 79431 | 68660 | 31340 | 10771 | 30 |
| 80 | 79611 | 68866 | 31134 | 10745 | 20 |
| 90 | 79792 | 69073 | 30927 | 10719 | 10 |
| **98 oo** | 79973 | 69279 | 30721 | 10693 | **02 oo** |
| 10 | 80153 | 69486 | 30514 | 10668 | 90 |
| 20 | 80334 | 69692 | 30308 | 10642 | 80 |
| 30 | 80515 | 69899 | 30101 | 10616 | 70 |
| 40 | 80695 | 70105 | 29895 | 10590 | 60 |
| 50 | 80876 | 70312 | 29688 | 10565 | 50 |
| 60 | 81057 | 70518 | 29482 | 10539 | 40 |
| 70 | 81237 | 70724 | 29276 | 10513 | 30 |
| 80 | 81418 | 70931 | 29069 | 10487 | 20 |
| 90 | 81599 | 71137 | 28863 | 10462 | 10 |
| **99 oo** | 81779 | 71344 | 28656 | 10436 | **01 oo** |
| 10 | 81960 | 71550 | 28450 | 10410 | 90 |
| 20 | 82141 | 71756 | 28244 | 10384 | 80 |
| 30 | 82321 | 71963 | 28037 | 10358 | 70 |
| 40 | 82502 | 72169 | 27831 | 10333 | 60 |
| 50 | 82682 | 72375 | 27625 | 10307 | 50 |
| 60 | 82863 | 72582 | 27418 | 10281 | 40 |
| 70 | 83043 | 72788 | 27212 | 10255 | 30 |
| 80 | 83224 | 72994 | 27006 | 10230 | 20 |
| 90 | 83405 | 73201 | 26799 | 10204 | 10 |
| **100 oo** | 83585 | 73407 | 26593 | 10178 | **00 oo** |
| | **9·54** | **9·57** | **0.42** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **77g** |
| | 180 | 206 | 206 | 26 | |

| | 207 | 206 | 182 | 181 | 180 | 26 | 25 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 20,7 | 20,6 | 18,2 | 18,1 | 18,0 | 2,6 | 2,5 | 1 |
| 2 | 41,4 | 41,2 | 36,4 | 36,2 | 36,0 | 5,2 | 5,0 | 2 |
| 3 | 62,1 | 61,8 | 54,6 | 54,3 | 54,0 | 7,8 | 7,5 | 3 |
| 4 | 82,8 | 82,4 | 72,8 | 72,4 | 72,0 | 10,4 | 10,0 | 4 |
| 5 | 103,5 | 103,0 | 91,0 | 90,5 | 90,0 | 13,0 | 12,5 | 5 |
| 6 | 124,2 | 123,6 | 109,2 | 108,6 | 108,0 | 15,6 | 15,0 | 6 |
| 7 | 144,9 | 144,2 | 127,4 | 126,7 | 126,0 | 18,2 | 17,5 | 7 |
| 8 | 165,6 | 164,8 | 145,6 | 144,8 | 144,0 | 20,8 | 20,0 | 8 |
| 9 | 186,3 | 185,4 | 163,8 | 162,9 | 162,0 | 23,4 | 22,5 | 9 |

| 23g | 181 | 207 | 207 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·54** | **9·57** | **0.42** | **9·97** | |
| **00 oo** | 83585 | 73407 | 26593 | 10178 | **100 oo** |
| 10 | 83766 | 73613 | 26387 | 10152 | 90 |
| 20 | 83946 | 73820 | 26180 | 10127 | 80 |
| 30 | 84127 | 74026 | 25974 | 10101 | 70 |
| 40 | 84307 | 74232 | 25768 | 10075 | 60 |
| 50 | 84488 | 74439 | 25561 | 10049 | 50 |
| 60 | 84668 | 74645 | 25355 | 10023 | 40 |
| 70 | 84849 | 74851 | 25149 | 09998 | 30 |
| 80 | 85029 | 75057 | 24943 | 09972 | 20 |
| 90 | 85210 | 75264 | 24736 | 09946 | 10 |
| **01 oo** | 85390 | 75470 | 24530 | 09920 | **99 oo** |
| 10 | 85570 | 75676 | 24324 | 09894 | 90 |
| 20 | 85751 | 75882 | 24118 | 09869 | 80 |
| 30 | 85931 | 76088 | 23912 | 09843 | 70 |
| 40 | 86112 | 76295 | 23705 | 09817 | 60 |
| 50 | 86292 | 76501 | 23499 | 09791 | 50 |
| 60 | 86473 | 76707 | 23293 | 09765 | 40 |
| 70 | 86653 | 76913 | 23087 | 09740 | 30 |
| 80 | 86833 | 77119 | 22881 | 09714 | 20 |
| 90 | 87014 | 77326 | 22674 | 09688 | 10 |
| **02 oo** | 87194 | 77532 | 22468 | 09662 | **98 oo** |
| 10 | 87374 | 77738 | 22262 | 09636 | 90 |
| 20 | 87555 | 77944 | 22056 | 09611 | 80 |
| 30 | 87735 | 78150 | 21850 | 09585 | 70 |
| 40 | 87916 | 78356 | 21644 | 09559 | 60 |
| 50 | 88096 | 78563 | 21437 | 09533 | 50 |
| 60 | 88276 | 78769 | 21231 | 09507 | 40 |
| 70 | 88456 | 78975 | 21025 | 09482 | 30 |
| 80 | 88637 | 79181 | 20819 | 09456 | 20 |
| 90 | 88817 | 79387 | 20613 | 09430 | 10 |
| **03 oo** | 88997 | 79593 | 20407 | 09404 | **97 oo** |
| 10 | 89178 | 79799 | 20201 | 09378 | 90 |
| 20 | 89358 | 80005 | 19995 | 09353 | 80 |
| 30 | 89538 | 80211 | 19789 | 09327 | 70 |
| 40 | 89718 | 80417 | 19583 | 09301 | 60 |
| 50 | 89899 | 80624 | 19376 | 09275 | 50 |
| 60 | 90079 | 80830 | 19170 | 09249 | 40 |
| 70 | 90259 | 81036 | 18964 | 09223 | 30 |
| 80 | 90439 | 81242 | 18758 | 09198 | 20 |
| 90 | 90619 | 81448 | 18552 | 09172 | 10 |
| **04 oo** | 90800 | 81654 | 18346 | 09146 | **96 oo** |
| 10 | 90980 | 81860 | 18140 | 09120 | 90 |
| 20 | 91160 | 82066 | 17934 | 09094 | 80 |
| 30 | 91340 | 82272 | 17728 | 09069 | 70 |
| 40 | 91520 | 82478 | 17522 | 09043 | 60 |
| 50 | 91701 | 82684 | 17316 | 09017 | 50 |
| 60 | 91881 | 82890 | 17110 | 08991 | 40 |
| 70 | 92061 | 83096 | 16904 | 08965 | 30 |
| 80 | 92241 | 83302 | 16698 | 08939 | 20 |
| 90 | 92421 | 83508 | 16492 | 08914 | 10 |
| **05 oo** | 92601 | 83714 | 16286 | 08888 | **95 oo** |
| | **9·54** | **9·57** | **0.42** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 180 | 206 | 206 | 26 | |

| 23g | 181 | 206 | 206 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9·54** | **9·57** | **0.42** | **9·97** | |
| **05 oo** | 92601 | 83714 | 16286 | 08888 | **95 oo** |
| 10 | 92781 | 83919 | 16081 | 08862 | 90 |
| 20 | 92961 | 84125 | 15875 | 08836 | 80 |
| 30 | 93141 | 84331 | 15669 | 08810 | 70 |
| 40 | 93322 | 84537 | 15463 | 08784 | 60 |
| 50 | 93502 | 84743 | 15257 | 08758 | 50 |
| 60 | 93682 | 84949 | 15051 | 08733 | 40 |
| 70 | 93862 | 85155 | 14845 | 08707 | 30 |
| 80 | 94042 | 85361 | 14639 | 08681 | 20 |
| 90 | 94222 | 85567 | 14433 | 08655 | 10 |
| **06 oo** | 94402 | 85773 | 14227 | 08629 | **94 oo** |
| 10 | 94582 | 85979 | 14021 | 08603 | 90 |
| 20 | 94762 | 86184 | 13816 | 08578 | 80 |
| 30 | 94942 | 86390 | 13610 | 08552 | 70 |
| 40 | 95122 | 86596 | 13404 | 08526 | 60 |
| 50 | 95302 | 86802 | 13198 | 08500 | 50 |
| 60 | 95482 | 87008 | 12992 | 08474 | 40 |
| 70 | 95662 | 87214 | 12786 | 08448 | 30 |
| 80 | 95842 | 87419 | 12581 | 08422 | 20 |
| 90 | 96022 | 87625 | 12375 | 08397 | 10 |
| **07 oo** | 96202 | 87831 | 12169 | 08371 | **93 oo** |
| 10 | 96382 | 88037 | 11963 | 08345 | 90 |
| 20 | 96562 | 88243 | 11757 | 08319 | 80 |
| 30 | 96741 | 88448 | 11552 | 08293 | 70 |
| 40 | 96921 | 88654 | 11346 | 08267 | 60 |
| 50 | 97101 | 88860 | 11140 | 08241 | 50 |
| 60 | 97281 | 89066 | 10934 | 08215 | 40 |
| 70 | 97461 | 89271 | 10729 | 08190 | 30 |
| 80 | 97641 | 89477 | 10523 | 08164 | 20 |
| 90 | 97821 | 89683 | 10317 | 08138 | 10 |
| **08 oo** | 98001 | 89889 | 10111 | 08112 | **92 oo** |
| 10 | 98180 | 90094 | 09906 | 08086 | 90 |
| 20 | 98360 | 90300 | 09700 | 08060 | 80 |
| 30 | 98540 | 90506 | 09494 | 08034 | 70 |
| 40 | 98720 | 90712 | 09288 | 08008 | 60 |
| 50 | 98900 | 90917 | 09083 | 07983 | 50 |
| 60 | 99080 | 91123 | 08877 | 07957 | 40 |
| 70 | 99259 | 91329 | 08671 | 07931 | 30 |
| 80 | 99439 | 91534 | 08466 | 07905 | 20 |
| 90 | 99619 | 91740 | 08260 | 07879 | 10 |
| **09 oo** | 99799 | 91946 | 08054 | 07853 | **91 oo** |
| 10 | 99978 | 92151 | 07849 | 07827 | 90 |
| 20 | *00158 | 92357 | 07643 | 07801 | 80 |
| 30 | *00338 | 92563 | 07437 | 07775 | 70 |
| 40 | *00518 | 92768 | 07232 | 07750 | 60 |
| 50 | *00697 | 92974 | 07026 | 07724 | 50 |
| 60 | *00877 | 93179 | 06821 | 07698 | 40 |
| 70 | *01057 | 93385 | 06615 | 07672 | 30 |
| 80 | *01237 | 93591 | 06409 | 07646 | 20 |
| 90 | *01416 | 93796 | 06204 | 07620 | 10 |
| **10 oo** | *01596 | 94002 | 05998 | 07594 | **90 oo** |
| | ***9·55** | **9·57** | **0.42** | **9·97** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 179 | 205 | 205 | 26 | |

| | 207 | 206 | 205 | 181 | 180 | 179 | 26 | 25 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20,7 | 20,6 | 20,5 | 18,1 | 18,0 | 17,9 | 2,6 | 2,5 | 1 |
| 2 | 41,4 | 41,2 | 41,0 | 36,2 | 36,0 | 35,8 | 5,2 | 5,0 | 2 |
| 3 | 62,1 | 61,8 | 61,5 | 54,3 | 54,0 | 53,7 | 7,8 | 7,5 | 3 |
| 4 | 82,8 | 82,4 | 82,0 | 72,4 | 72,0 | 71,6 | 10,4 | 10,0 | 4 |
| 5 | 103,5 | 103,0 | 102,5 | 90,5 | 90,0 | 89,5 | 13,0 | 12,5 | 5 |
| 6 | 124,2 | 123,6 | 123,0 | 108,6 | 108,0 | 107,4 | 15,6 | 15,0 | 6 |
| 7 | 144,9 | 144,2 | 143,5 | 126,7 | 126,0 | 125,3 | 18,2 | 17,5 | 7 |
| 8 | 165,6 | 164,8 | 164,0 | 144,8 | 144,0 | 143,2 | 20,8 | 20,0 | 8 |
| 9 | 186,3 | 185,4 | 184,5 | 162,9 | 162,0 | 161,1 | 23,4 | 22,5 | 9 |

| 23g | 180 | 206 | 206 | 25 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.55** | **9.57** | **0.42** | **9.97** | |
| **10 00** | 01596 | 94002 | 05998 | 07594 | **90 00** |
| 10 | 01776 | 94207 | 05793 | 07568 | 90 |
| 20 | 01955 | 94413 | 05587 | 07542 | 80 |
| 30 | 02135 | 94618 | 05382 | 07516 | 70 |
| 40 | 02315 | 94824 | 05176 | 07491 | 60 |
| 50 | 02494 | 95030 | 04970 | 07465 | 50 |
| 60 | 02674 | 95235 | 04765 | 07439 | 40 |
| 70 | 02853 | 95441 | 04559 | 07413 | 30 |
| 80 | 03033 | 95646 | 04354 | 07387 | 20 |
| 90 | 03213 | 95852 | 04148 | 07361 | 10 |
| **11 00** | 03392 | 96057 | 03943 | 07335 | **89 00** |
| 10 | 03572 | 96263 | 03737 | 07309 | 90 |
| 20 | 03752 | 96468 | 03532 | 07283 | 80 |
| 30 | 03931 | 96674 | 03326 | 07257 | 70 |
| 40 | 04111 | 96879 | 03121 | 07231 | 60 |
| 50 | 04290 | 97085 | 02915 | 07206 | 50 |
| 60 | 04470 | 97290 | 02710 | 07180 | 40 |
| 70 | 04649 | 97496 | 02504 | 07154 | 30 |
| 80 | 04829 | 97701 | 02299 | 07128 | 20 |
| 90 | 05008 | 97906 | 02094 | 07102 | 10 |
| **12 00** | 05188 | 98112 | 01888 | 07076 | **88 00** |
| 10 | 05367 | 98317 | 01683 | 07050 | 90 |
| 20 | 05547 | 98523 | 01477 | 07024 | 80 |
| 30 | 05726 | 98728 | 01272 | 06998 | 70 |
| 40 | 05906 | 98934 | 01066 | 06972 | 60 |
| 50 | 06085 | 99139 | 00861 | 06946 | 50 |
| 60 | 06265 | 99344 | 00656 | 06920 | 40 |
| 70 | 06444 | 99550 | 00450 | 06894 | 30 |
| 80 | 06624 | 99755 | 00245 | 06868 | 20 |
| 90 | 06803 | 99961 | 00039 | 06843 | 10 |
| **13 00** | 06983 | *00166 | *99834 | 06817 | **87 00** |
| 10 | 07162 | *00371 | *99629 | 06791 | 90 |
| 20 | 07341 | *00577 | *99423 | 06765 | 80 |
| 30 | 07521 | *00782 | *99218 | 06739 | 70 |
| 40 | 07700 | *00987 | *99013 | 06713 | 60 |
| 50 | 07880 | *01193 | *98807 | 06687 | 50 |
| 60 | 08059 | *01398 | *98602 | 06661 | 40 |
| 70 | 08238 | *01603 | *98397 | 06635 | 30 |
| 80 | 08418 | *01809 | *98191 | 06609 | 20 |
| 90 | 08597 | *02014 | *97986 | 06583 | 10 |
| **14 00** | 08776 | *02219 | *97781 | 06557 | **86 00** |
| 10 | 08956 | *02425 | *97575 | 06531 | 90 |
| 20 | 09135 | *02630 | *97370 | 06505 | 80 |
| 30 | 09314 | *02835 | *97165 | 06479 | 70 |
| 40 | 09494 | *03040 | *96960 | 06453 | 60 |
| 50 | 09673 | *03246 | *96754 | 06427 | 50 |
| 60 | 09852 | *03451 | *96549 | 06401 | 40 |
| 70 | 10032 | *03656 | *96344 | 06376 | 30 |
| 80 | 10211 | *03861 | *96139 | 06350 | 20 |
| 90 | 10390 | *04067 | *95933 | 06324 | 10 |
| **15 00** | 10569 | *04272 | *95728 | 06298 | **85 00** |
| | **9.55** | ***9.58** | ***0.41** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 179 | 205 | 205 | 26 | |

| 23g | 180 | 206 | 206 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.55** | **9.58** | **0.41** | **9.97** | |
| **15 00** | 10569 | 04272 | 95728 | 06298 | **85 00** |
| 10 | 10749 | 04477 | 95523 | 06272 | 90 |
| 20 | 10928 | 04682 | 95318 | 06246 | 80 |
| 30 | 11107 | 04887 | 95113 | 06220 | 70 |
| 40 | 11286 | 05093 | 94907 | 06194 | 60 |
| 50 | 11466 | 05298 | 94702 | 06168 | 50 |
| 60 | 11645 | 05503 | 94497 | 06142 | 40 |
| 70 | 11824 | 05708 | 94292 | 06116 | 30 |
| 80 | 12003 | 05913 | 94087 | 06090 | 20 |
| 90 | 12182 | 06118 | 93882 | 06064 | 10 |
| **16 00** | 12362 | 06324 | 93676 | 06038 | **84 00** |
| 10 | 12541 | 06529 | 93471 | 06012 | 90 |
| 20 | 12720 | 06734 | 93266 | 05986 | 80 |
| 30 | 12899 | 06939 | 93061 | 05960 | 70 |
| 40 | 13078 | 07144 | 92856 | 05934 | 60 |
| 50 | 13257 | 07349 | 92651 | 05908 | 50 |
| 60 | 13436 | 07554 | 92446 | 05882 | 40 |
| 70 | 13616 | 07759 | 92241 | 05856 | 30 |
| 80 | 13795 | 07965 | 92035 | 05830 | 20 |
| 90 | 13974 | 08170 | 91830 | 05804 | 10 |
| **17 00** | 14153 | 08375 | 91625 | 05778 | **83 00** |
| 10 | 14332 | 08580 | 91420 | 05752 | 90 |
| 20 | 14511 | 08785 | 91215 | 05726 | 80 |
| 30 | 14690 | 08990 | 91010 | 05700 | 70 |
| 40 | 14869 | 09195 | 90805 | 05674 | 60 |
| 50 | 15048 | 09400 | 90600 | 05648 | 50 |
| 60 | 15227 | 09605 | 90395 | 05622 | 40 |
| 70 | 15406 | 09810 | 90190 | 05596 | 30 |
| 80 | 15585 | 10015 | 89985 | 05570 | 20 |
| 90 | 15764 | 10220 | 89780 | 05544 | 10 |
| **18 00** | 15943 | 10425 | 89575 | 05518 | **82 00** |
| 10 | 16122 | 10630 | 89370 | 05492 | 90 |
| 20 | 16301 | 10835 | 89165 | 05466 | 80 |
| 30 | 16480 | 11040 | 88960 | 05440 | 70 |
| 40 | 16659 | 11245 | 88755 | 05414 | 60 |
| 50 | 16838 | 11450 | 88550 | 05388 | 50 |
| 60 | 17017 | 11655 | 88345 | 05362 | 40 |
| 70 | 17196 | 11860 | 88140 | 05336 | 30 |
| 80 | 17375 | 12065 | 87935 | 05310 | 20 |
| 90 | 17554 | 12270 | 87730 | 05284 | 10 |
| **19 00** | 17733 | 12475 | 87525 | 05258 | **81 00** |
| 10 | 17912 | 12680 | 87320 | 05232 | 90 |
| 20 | 18091 | 12885 | 87115 | 05206 | 80 |
| 30 | 18270 | 13089 | 86911 | 05180 | 70 |
| 40 | 18449 | 13294 | 86706 | 05154 | 60 |
| 50 | 18627 | 13499 | 86501 | 05128 | 50 |
| 60 | 18806 | 13704 | 86296 | 05102 | 40 |
| 70 | 18985 | 13909 | 86091 | 05076 | 30 |
| 80 | 19164 | 14114 | 85886 | 05050 | 20 |
| 90 | 19343 | 14319 | 85681 | 05024 | 10 |
| **20 00** | 19522 | 14524 | 85476 | 04998 | **80 00** |
| | **9.55** | **9.58** | **0.41** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 178 | 204 | 204 | 26 | |

| | 206 | 205 | 204 | 180 | 179 | 178 | 26 | 25 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20,6 | 20,5 | 20,4 | 18,0 | 17,9 | 17,8 | 2,6 | 2,5 | 1 |
| 2 | 41,2 | 41,0 | 40,8 | 36,0 | 35,8 | 35,6 | 5,2 | 5,0 | 2 |
| 3 | 61,8 | 61,5 | 61,2 | 54,0 | 53,7 | 53,4 | 7,8 | 7,5 | 3 |
| 4 | 82,4 | 82,0 | 81,6 | 72,0 | 71,6 | 71,2 | 10,4 | 10,0 | 4 |
| 5 | 103,0 | 102,5 | 102,0 | 90,0 | 89,5 | 89,0 | 13,0 | 12,5 | 5 |
| 6 | 123,6 | 123,0 | 122,4 | 108,0 | 107,4 | 106,8 | 15,6 | 15,0 | 6 |
| 7 | 144,2 | 143,5 | 142,8 | 126,0 | 125,3 | 124,6 | 18,2 | 17,5 | 7 |
| 8 | 164,8 | 164,0 | 163,2 | 144,0 | 143,2 | 142,4 | 20,8 | 20,0 | 8 |
| 9 | 185,4 | 184,5 | 183,6 | 162,0 | 161,1 | 160,2 | 23,4 | 22,5 | 9 |

| 23g | 179 | 205 | 205 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.55** | **9.58** | **0.41** | **9.97** | |
| **20 oo** | 19522 | 14524 | 85476 | 04998 | **80 oo** |
| 10 | 19701 | 14729 | 85271 | 04972 | 90 |
| 20 | 19879 | 14933 | 85067 | 04946 | 80 |
| 30 | 20058 | 15138 | 84862 | 04920 | 70 |
| 40 | 20237 | 15343 | 84657 | 04894 | 60 |
| 50 | 20416 | 15548 | 84452 | 04868 | 50 |
| 60 | 20595 | 15753 | 84247 | 04842 | 40 |
| 70 | 20773 | 15958 | 84042 | 04816 | 30 |
| 80 | 20952 | 16162 | 83838 | 04790 | 20 |
| 90 | 21131 | 16367 | 83633 | 04764 | 10 |
| **21 oo** | 21310 | 16572 | 83428 | 04738 | **79 oo** |
| 10 | 21488 | 16777 | 83223 | 04712 | 90 |
| 20 | 21667 | 16981 | 83019 | 04686 | 80 |
| 30 | 21846 | 17186 | 82814 | 04660 | 70 |
| 40 | 22025 | 17391 | 82609 | 04634 | 60 |
| 50 | 22203 | 17596 | 82404 | 04608 | 50 |
| 60 | 22382 | 17800 | 82200 | 04581 | 40 |
| 70 | 22561 | 18005 | 81995 | 04555 | 30 |
| 80 | 22739 | 18210 | 81790 | 04529 | 20 |
| 90 | 22918 | 18415 | 81585 | 04503 | 10 |
| **22 oo** | 23097 | 18619 | 81381 | 04477 | **78 oo** |
| 10 | 23275 | 18824 | 81176 | 04451 | 90 |
| 20 | 23454 | 19029 | 80971 | 04425 | 80 |
| 30 | 23633 | 19234 | 80766 | 04399 | 70 |
| 40 | 23811 | 19438 | 80562 | 04373 | 60 |
| 50 | 23990 | 19643 | 80357 | 04347 | 50 |
| 60 | 24169 | 19848 | 80152 | 04321 | 40 |
| 70 | 24347 | 20052 | 79948 | 04295 | 30 |
| 80 | 24526 | 20257 | 79743 | 04269 | 20 |
| 90 | 24704 | 20462 | 79538 | 04243 | 10 |
| **23 oo** | 24883 | 20666 | 79334 | 04217 | **77 oo** |
| 10 | 25062 | 20871 | 79129 | 04191 | 90 |
| 20 | 25240 | 21075 | 78925 | 04165 | 80 |
| 30 | 25419 | 21280 | 78720 | 04139 | 70 |
| 40 | 25597 | 21485 | 78515 | 04113 | 60 |
| 50 | 25776 | 21689 | 78311 | 04086 | 50 |
| 60 | 25954 | 21894 | 78106 | 04060 | 40 |
| 70 | 26133 | 22098 | 77902 | 04034 | 30 |
| 80 | 26311 | 22303 | 77697 | 04008 | 20 |
| 90 | 26490 | 22508 | 77492 | 03982 | 10 |
| **24 oo** | 26668 | 22712 | 77288 | 03956 | **76 oo** |
| 10 | 26847 | 22917 | 77083 | 03930 | 90 |
| 20 | 27025 | 23121 | 76879 | 03904 | 80 |
| 30 | 27204 | 23326 | 76674 | 03878 | 70 |
| 40 | 27382 | 23530 | 76470 | 03852 | 60 |
| 50 | 27561 | 23735 | 76265 | 03826 | 50 |
| 60 | 27739 | 23940 | 76060 | 03800 | 40 |
| 70 | 27918 | 24144 | 75856 | 03774 | 30 |
| 80 | 28096 | 24349 | 75651 | 03748 | 20 |
| 90 | 28274 | 24553 | 75447 | 03721 | 10 |
| **25 oo** | 28453 | 24758 | 75242 | 03695 | **75 oo** |
| | **9.55** | **9.58** | **0.41** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 178 | 204 | 204 | 27 | |

| 23g | 179 | 205 | 205 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.55** | **9.58** | **0.41** | **9.97** | |
| **25 oo** | 28453 | 24758 | 75242 | 03695 | **75 oo** |
| 10 | 28631 | 24962 | 75038 | 03669 | 90 |
| 20 | 28810 | 25167 | 74833 | 03643 | 80 |
| 30 | 28988 | 25371 | 74629 | 03617 | 70 |
| 40 | 29166 | 25576 | 74424 | 03591 | 60 |
| 50 | 29345 | 25780 | 74220 | 03565 | 50 |
| 60 | 29523 | 25984 | 74016 | 03539 | 40 |
| 70 | 29702 | 26189 | 73811 | 03513 | 30 |
| 80 | 29880 | 26393 | 73607 | 03487 | 20 |
| 90 | 30058 | 26598 | 73402 | 03461 | 10 |
| **26 oo** | 30237 | 26802 | 73198 | 03434 | **74 oo** |
| 10 | 30415 | 27007 | 72993 | 03408 | 90 |
| 20 | 30593 | 27211 | 72789 | 03382 | 80 |
| 30 | 30772 | 27415 | 72585 | 03356 | 70 |
| 40 | 30950 | 27620 | 72380 | 03330 | 60 |
| 50 | 31128 | 27824 | 72176 | 03304 | 50 |
| 60 | 31306 | 28029 | 71971 | 03278 | 40 |
| 70 | 31485 | 28233 | 71767 | 03252 | 30 |
| 80 | 31663 | 28437 | 71563 | 03226 | 20 |
| 90 | 31841 | 28642 | 71358 | 03200 | 10 |
| **27 oo** | 32020 | 28846 | 71154 | 03173 | **73 oo** |
| 10 | 32198 | 29050 | 70950 | 03147 | 90 |
| 20 | 32376 | 29255 | 70745 | 03121 | 80 |
| 30 | 32554 | 29459 | 70541 | 03095 | 70 |
| 40 | 32732 | 29663 | 70337 | 03069 | 60 |
| 50 | 32911 | 29868 | 70132 | 03043 | 50 |
| 60 | 33089 | 30072 | 69928 | 03017 | 40 |
| 70 | 33267 | 30276 | 69724 | 02991 | 30 |
| 80 | 33445 | 30481 | 69519 | 02964 | 20 |
| 90 | 33623 | 30685 | 69315 | 02938 | 10 |
| **28 oo** | 33802 | 30889 | 69111 | 02912 | **72 oo** |
| 10 | 33980 | 31094 | 68906 | 02886 | 90 |
| 20 | 34158 | 31298 | 68702 | 02860 | 80 |
| 30 | 34336 | 31502 | 68498 | 02834 | 70 |
| 40 | 34514 | 31706 | 68294 | 02808 | 60 |
| 50 | 34692 | 31911 | 68089 | 02782 | 50 |
| 60 | 34870 | 32115 | 67885 | 02756 | 40 |
| 70 | 35048 | 32319 | 67681 | 02729 | 30 |
| 80 | 35227 | 32523 | 67477 | 02703 | 20 |
| 90 | 35405 | 32728 | 67272 | 02677 | 10 |
| **29 oo** | 35583 | 32932 | 67068 | 02651 | **71 oo** |
| 10 | 35761 | 33136 | 66864 | 02625 | 90 |
| 20 | 35939 | 33340 | 66660 | 02599 | 80 |
| 30 | 36117 | 33544 | 66456 | 02573 | 70 |
| 40 | 36295 | 33749 | 66251 | 02546 | 60 |
| 50 | 36473 | 33953 | 66047 | 02520 | 50 |
| 60 | 36651 | 34157 | 65843 | 02494 | 40 |
| 70 | 36829 | 34361 | 65639 | 02468 | 30 |
| 80 | 37007 | 34565 | 65435 | 02442 | 20 |
| 90 | 37185 | 34769 | 65231 | 02416 | 10 |
| **30 oo** | 37363 | 34974 | 65026 | 02390 | **70 oo** |
| | **9.55** | **9.58** | **0.41** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 178 | 204 | 204 | 27 | |

| | 205 | 204 | 179 | 178 | 27 | 26 | |
|---|---|---|---|---|---|---|---|
| 1 | 20,5 | 20,4 | 17,9 | 17,8 | 2,7 | 2,6 | 1 |
| 2 | 41,0 | 40,8 | 35,8 | 35,6 | 5,4 | 5,2 | 2 |
| 3 | 61,5 | 61,2 | 53,7 | 53,4 | 8,1 | 7,8 | 3 |
| 4 | 82,0 | 81,6 | 71,6 | 71,2 | 10,8 | 10,4 | 4 |
| 5 | 102,5 | 102,0 | 89,5 | 89,0 | 13,5 | 13,0 | 5 |
| 6 | 123,0 | 122,4 | 107,4 | 106,8 | 16,2 | 15,6 | 6 |
| 7 | 143,5 | 142,8 | 125,3 | 124,6 | 18,9 | 18,2 | 7 |
| 8 | 164,0 | 163,2 | 143,2 | 142,4 | 21,6 | 20,8 | 8 |
| 9 | 184,5 | 183,6 | 161,1 | 160,2 | 24,3 | 23,4 | 9 |

| 23g | 178 | 205 | 205 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.55** | **9.58** | **0.41** | **9.97** | |
| **30 oo** | 37363 | 34974 | 65026 | 02390 | **70 oo** |
| 10 | 37541 | 35178 | 64822 | 02363 | 90 |
| 20 | 37719 | 35382 | 64618 | 02337 | 80 |
| 30 | 37897 | 35586 | 64414 | 02311 | 70 |
| 40 | 38075 | 35790 | 64210 | 02285 | 60 |
| 50 | 38253 | 35994 | 64006 | 02259 | 50 |
| 60 | 38431 | 36198 | 63802 | 02233 | 40 |
| 70 | 38609 | 36402 | 63598 | 02207 | 30 |
| 80 | 38787 | 36606 | 63394 | 02180 | 20 |
| 90 | 38965 | 36810 | 63190 | 02154 | 10 |
| **31 oo** | 39143 | 37015 | 62985 | 02128 | **69 oo** |
| 10 | 39321 | 37219 | 62781 | 02102 | 90 |
| 20 | 39498 | 37423 | 62577 | 02076 | 80 |
| 30 | 39676 | 37627 | 62373 | 02050 | 70 |
| 40 | 39854 | 37831 | 62169 | 02023 | 60 |
| 50 | 40032 | 38035 | 61965 | 01997 | 50 |
| 60 | 40210 | 38239 | 61761 | 01971 | 40 |
| 70 | 40388 | 38443 | 61557 | 01945 | 30 |
| 80 | 40566 | 38647 | 61353 | 01919 | 20 |
| 90 | 40743 | 38851 | 61149 | 01893 | 10 |
| **32 oo** | 40921 | 39055 | 60945 | 01866 | **68 oo** |
| 10 | 41099 | 39259 | 60741 | 01840 | 90 |
| 20 | 41277 | 39463 | 60537 | 01814 | 80 |
| 30 | 41455 | 39667 | 60333 | 01788 | 70 |
| 40 | 41633 | 39871 | 60129 | 01762 | 60 |
| 50 | 41810 | 40075 | 59925 | 01736 | 50 |
| 60 | 41988 | 40279 | 59721 | 01709 | 40 |
| 70 | 42166 | 40483 | 59517 | 01683 | 30 |
| 80 | 42344 | 40687 | 59313 | 01657 | 20 |
| 90 | 42521 | 40891 | 59109 | 01631 | 10 |
| **33 oo** | 42699 | 41095 | 58905 | 01605 | **67 oo** |
| 10 | 42877 | 41298 | 58702 | 01578 | 90 |
| 20 | 43055 | 41502 | 58498 | 01552 | 80 |
| 30 | 43232 | 41706 | 58294 | 01526 | 70 |
| 40 | 43410 | 41910 | 58090 | 01500 | 60 |
| 50 | 43588 | 42114 | 57886 | 01474 | 50 |
| 60 | 43765 | 42318 | 57682 | 01448 | 40 |
| 70 | 43943 | 42522 | 57478 | 01421 | 30 |
| 80 | 44121 | 42726 | 57274 | 01395 | 20 |
| 90 | 44299 | 42930 | 57070 | 01369 | 10 |
| **34 oo** | 44476 | 43133 | 56867 | 01343 | **66 oo** |
| 10 | 44654 | 43337 | 56663 | 01317 | 90 |
| 20 | 44832 | 43541 | 56459 | 01290 | 80 |
| 30 | 45009 | 43745 | 56255 | 01264 | 70 |
| 40 | 45187 | 43949 | 56051 | 01238 | 60 |
| 50 | 45364 | 44153 | 55847 | 01212 | 50 |
| 60 | 45542 | 44356 | 55644 | 01186 | 40 |
| 70 | 45720 | 44560 | 55440 | 01159 | 30 |
| 80 | 45897 | 44764 | 55236 | 01133 | 20 |
| 90 | 46075 | 44968 | 55032 | 01107 | 10 |
| **35 oo** | 46252 | 45172 | 54828 | 01081 | **65 oo** |
| | **9.55** | **9.58** | **0.41** | **9.97** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 177 | 203 | 203 | 27 | |

| 23g | 178 | 204 | 204 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.55** | **9.58** | **0.41** | **9.97** | |
| **35 oo** | 46252 | 45172 | 54828 | 01081 | **65 oo** |
| 10 | 46430 | 45375 | 54625 | 01055 | 90 |
| 20 | 46608 | 45579 | 54421 | 01028 | 80 |
| 30 | 46785 | 45783 | 54217 | 01002 | 70 |
| 40 | 46963 | 45987 | 54013 | 00976 | 60 |
| 50 | 47140 | 46190 | 53810 | 00950 | 50 |
| 60 | 47318 | 46394 | 53606 | 00923 | 40 |
| 70 | 47495 | 46598 | 53402 | 00897 | 30 |
| 80 | 47673 | 46802 | 53198 | 00871 | 20 |
| 90 | 47850 | 47005 | 52995 | 00845 | 10 |
| **36 oo** | 48028 | 47209 | 52791 | 00819 | **64 oo** |
| 10 | 48205 | 47413 | 52587 | 00792 | 90 |
| 20 | 48383 | 47617 | 52383 | 00766 | 80 |
| 30 | 48560 | 47820 | 52180 | 00740 | 70 |
| 40 | 48738 | 48024 | 51976 | 00714 | 60 |
| 50 | 48915 | 48228 | 51772 | 00688 | 50 |
| 60 | 49093 | 48431 | 51569 | 00661 | 40 |
| 70 | 49270 | 48635 | 51365 | 00635 | 30 |
| 80 | 49447 | 48839 | 51161 | 00609 | 20 |
| 90 | 49625 | 49042 | 50958 | 00583 | 10 |
| **37 oo** | 49802 | 49246 | 50754 | 00556 | **63 oo** |
| 10 | 49980 | 49450 | 50550 | 00530 | 90 |
| 20 | 50157 | 49653 | 50347 | 00504 | 80 |
| 30 | 50334 | 49857 | 50143 | 00478 | 70 |
| 40 | 50512 | 50060 | 49940 | 00451 | 60 |
| 50 | 50689 | 50264 | 49736 | 00425 | 50 |
| 60 | 50867 | 50468 | 49532 | 00399 | 40 |
| 70 | 51044 | 50671 | 49329 | 00373 | 30 |
| 80 | 51221 | 50875 | 49125 | 00346 | 20 |
| 90 | 51399 | 51078 | 48922 | 00320 | 10 |
| **38 oo** | 51576 | 51282 | 48718 | 00294 | **62 oo** |
| 10 | 51753 | 51486 | 48514 | 00268 | 90 |
| 20 | 51931 | 51689 | 48311 | 00241 | 80 |
| 30 | 52108 | 51893 | 48107 | 00215 | 70 |
| 40 | 52285 | 52096 | 47904 | 00189 | 60 |
| 50 | 52462 | 52300 | 47700 | 00163 | 50 |
| 60 | 52640 | 52503 | 47497 | 00137 | 40 |
| 70 | 52817 | 52707 | 47293 | 00110 | 30 |
| 80 | 52994 | 52910 | 47090 | 00084 | 20 |
| 90 | 53172 | 53114 | 46886 | 00058 | 10 |
| **39 oo** | 53349 | 53317 | 46683 | 00031 | **61 oo** |
| 10 | 53526 | 53521 | 46479 | 00005 | 90 |
| 20 | 53703 | 53724 | 46276 | *99979 | 80 |
| 30 | 53881 | 53928 | 46072 | *99953 | 70 |
| 40 | 54058 | 54131 | 45869 | *99926 | 60 |
| 50 | 54235 | 54335 | 45665 | *99900 | 50 |
| 60 | 54412 | 54538 | 45462 | *99874 | 40 |
| 70 | 54589 | 54742 | 45258 | *99848 | 30 |
| 80 | 54767 | 54945 | 45055 | *99821 | 20 |
| 90 | 54944 | 55149 | 44851 | *99795 | 10 |
| **40 oo** | 55121 | 55352 | 44648 | *99769 | **60 oo** |
| | **9.55** | **9.58** | **0.41** | ***9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 177 | 203 | 203 | 27 | |

| | 205 | 204 | 203 | 178 | 177 | 27 | 26 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 20,5 | 20,4 | 20,3 | 17,8 | 17,7 | 2,7 | 2,6 | 1 |
| 2 | 41,0 | 40,8 | 40,6 | 35,6 | 35,4 | 5,4 | 5,2 | 2 |
| 3 | 61,5 | 61,2 | 60,9 | 53,4 | 53,1 | 8,1 | 7,8 | 3 |
| 4 | 82,0 | 81,6 | 81,2 | 71,2 | 70,8 | 10,8 | 10,4 | 4 |
| 5 | 102,5 | 102,0 | 101,5 | 89,0 | 88,5 | 13,5 | 13,0 | 5 |
| 6 | 123,0 | 122,4 | 121,8 | 106,8 | 106,2 | 16,2 | 15,6 | 6 |
| 7 | 143,5 | 142,8 | 142,1 | 124,6 | 123,9 | 18,9 | 18,2 | 7 |
| 8 | 164,0 | 163,2 | 162,4 | 142,4 | 141,6 | 21,6 | 20,8 | 8 |
| 9 | 184,5 | 183,6 | 182,7 | 160,2 | 159,3 | 24,3 | 23,4 | 9 |

| 23g | 178 | 204 | 204 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.55** | **9.58** | **0.41** | **9.96** | |
| **40 oo** | 55121 | 55352 | 44648 | 99769 | **60 oo** |
| 10 | 55298 | 55555 | 44445 | 99743 | 90 |
| 20 | 55475 | 55759 | 44241 | 99716 | 80 |
| 30 | 55652 | 55962 | 44038 | 99690 | 70 |
| 40 | 55829 | 56166 | 43834 | 99664 | 60 |
| 50 | 56007 | 56369 | 43631 | 99638 | 50 |
| 60 | 56184 | 56572 | 43428 | 99611 | 40 |
| 70 | 56361 | 56776 | 43224 | 99585 | 30 |
| 80 | 56538 | 56979 | 43021 | 99559 | 20 |
| 90 | 56715 | 57183 | 42817 | 99532 | 10 |
| **41 oo** | 56892 | 57386 | 42614 | 99506 | **59 oo** |
| 10 | 57069 | 57589 | 42411 | 99480 | 90 |
| 20 | 57246 | 57793 | 42207 | 99454 | 80 |
| 30 | 57423 | 57996 | 42004 | 99427 | 70 |
| 40 | 57600 | 58199 | 41801 | 99401 | 60 |
| 50 | 57777 | 58403 | 41597 | 99375 | 50 |
| 60 | 57954 | 58606 | 41394 | 99348 | 40 |
| 70 | 58131 | 58809 | 41191 | 99322 | 30 |
| 80 | 58308 | 59013 | 40987 | 99296 | 20 |
| 90 | 58485 | 59216 | 40784 | 99270 | 10 |
| **42 oo** | 58662 | 59419 | 40581 | 99243 | **58 oo** |
| 10 | 58839 | 59622 | 40378 | 99217 | 90 |
| 20 | 59016 | 59826 | 40174 | 99191 | 80 |
| 30 | 59193 | 60029 | 39971 | 99164 | 70 |
| 40 | 59370 | 60232 | 39768 | 99138 | 60 |
| 50 | 59547 | 60436 | 39564 | 99112 | 50 |
| 60 | 59724 | 60639 | 39361 | 99085 | 40 |
| 70 | 59901 | 60842 | 39158 | 99059 | 30 |
| 80 | 60078 | 61045 | 38955 | 99033 | 20 |
| 90 | 60255 | 61248 | 38752 | 99007 | 10 |
| **43 oo** | 60432 | 61452 | 38548 | 98980 | **57 oo** |
| 10 | 60609 | 61655 | 38345 | 98954 | 90 |
| 20 | 60786 | 61858 | 38142 | 98928 | 80 |
| 30 | 60963 | 62061 | 37939 | 98901 | 70 |
| 40 | 61140 | 62265 | 37735 | 98875 | 60 |
| 50 | 61316 | 62468 | 37532 | 98849 | 50 |
| 60 | 61493 | 62671 | 37329 | 98822 | 40 |
| 70 | 61670 | 62874 | 37126 | 98796 | 30 |
| 80 | 61847 | 63077 | 36923 | 98770 | 20 |
| 90 | 62024 | 63280 | 36720 | 98743 | 10 |
| **44 oo** | 62201 | 63484 | 36516 | 98717 | **56 oo** |
| 10 | 62377 | 63687 | 36313 | 98691 | 90 |
| 20 | 62554 | 63890 | 36110 | 98664 | 80 |
| 30 | 62731 | 64093 | 35907 | 98638 | 70 |
| 40 | 62908 | 64296 | 35704 | 98612 | 60 |
| 50 | 63085 | 64499 | 35501 | 98586 | 50 |
| 60 | 63262 | 64702 | 35298 | 98559 | 40 |
| 70 | 63438 | 64905 | 35095 | 98533 | 30 |
| 80 | 63615 | 65109 | 34891 | 98507 | 20 |
| 90 | 63792 | 65312 | 34688 | 98480 | 10 |
| **45 oo** | 63969 | 65515 | 34485 | 98454 | **55 oo** |
| | **9.55** | **9.58** | **0.41** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 176 | 203 | 203 | 27 | **76g** |

| 23g | 177 | 203 | 203 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.55** | **9.58** | **0.41** | **9.96** | |
| **45 oo** | 63969 | 65515 | 34485 | 98454 | **55 oo** |
| 10 | 64145 | 65718 | 34282 | 98428 | 90 |
| 20 | 64322 | 65921 | 34079 | 98401 | 80 |
| 30 | 64499 | 66124 | 33876 | 98375 | 70 |
| 40 | 64675 | 66327 | 33673 | 98349 | 60 |
| 50 | 64852 | 66530 | 33470 | 98322 | 50 |
| 60 | 65029 | 66733 | 33267 | 98296 | 40 |
| 70 | 65206 | 66936 | 33064 | 98270 | 30 |
| 80 | 65382 | 67139 | 32861 | 98243 | 20 |
| 90 | 65559 | 67342 | 32658 | 98217 | 10 |
| **46 oo** | 65736 | 67545 | 32455 | 98191 | **54 oo** |
| 10 | 65912 | 67748 | 32252 | 98164 | 90 |
| 20 | 66089 | 67951 | 32049 | 98138 | 80 |
| 30 | 66266 | 68154 | 31846 | 98111 | 70 |
| 40 | 66442 | 68357 | 31643 | 98085 | 60 |
| 50 | 66619 | 68560 | 31440 | 98059 | 50 |
| 60 | 66795 | 68763 | 31237 | 98032 | 40 |
| 70 | 66972 | 68966 | 31034 | 98006 | 30 |
| 80 | 67149 | 69169 | 30831 | 97980 | 20 |
| 90 | 67325 | 69372 | 30628 | 97953 | 10 |
| **47 oo** | 67502 | 69575 | 30425 | 97927 | **53 oo** |
| 10 | 67678 | 69778 | 30222 | 97901 | 90 |
| 20 | 67855 | 69981 | 30019 | 97874 | 80 |
| 30 | 68032 | 70184 | 29816 | 97848 | 70 |
| 40 | 68208 | 70387 | 29613 | 97822 | 60 |
| 50 | 68385 | 70589 | 29411 | 97795 | 50 |
| 60 | 68561 | 70792 | 29208 | 97769 | 40 |
| 70 | 68738 | 70995 | 29005 | 97743 | 30 |
| 80 | 68914 | 71198 | 28802 | 97716 | 20 |
| 90 | 69091 | 71401 | 28599 | 97690 | 10 |
| **48 oo** | 69267 | 71604 | 28396 | 97663 | **52 oo** |
| 10 | 69444 | 71807 | 28193 | 97637 | 90 |
| 20 | 69620 | 72010 | 27990 | 97611 | 80 |
| 30 | 69797 | 72212 | 27788 | 97584 | 70 |
| 40 | 69973 | 72415 | 27585 | 97558 | 60 |
| 50 | 70150 | 72618 | 27382 | 97532 | 50 |
| 60 | 70326 | 72821 | 27179 | 97505 | 40 |
| 70 | 70503 | 73024 | 26976 | 97479 | 30 |
| 80 | 70679 | 73227 | 26773 | 97452 | 20 |
| 90 | 70855 | 73429 | 26571 | 97426 | 10 |
| **49 oo** | 71032 | 73632 | 26368 | 97400 | **51 oo** |
| 10 | 71208 | 73835 | 26165 | 97373 | 90 |
| 20 | 71385 | 74038 | 25962 | 97347 | 80 |
| 30 | 71561 | 74241 | 25759 | 97321 | 70 |
| 40 | 71737 | 74443 | 25557 | 97294 | 60 |
| 50 | 71914 | 74646 | 25354 | 97268 | 50 |
| 60 | 72090 | 74849 | 25151 | 97241 | 40 |
| 70 | 72267 | 75052 | 24948 | 97215 | 30 |
| 80 | 72443 | 75254 | 24746 | 97189 | 20 |
| 90 | 72619 | 75457 | 24543 | 97162 | 10 |
| **50 oo** | 72796 | 75660 | 24340 | 97136 | **50 oo** |
| | **9.55** | **9.58** | **0.41** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 176 | 202 | 202 | 27 | **76g** |

| | 204 | 203 | 202 | 178 | 177 | 176 | 27 | 26 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20,4 | 20,3 | 20,2 | 17,8 | 17,7 | 17,6 | 2,7 | 2,6 | 1 |
| 2 | 40,8 | 40,6 | 40,4 | 35,6 | 35,4 | 35,2 | 5,4 | 5,2 | 2 |
| 3 | 61,2 | 60,9 | 60,6 | 53,4 | 53,1 | 52,8 | 8,1 | 7,8 | 3 |
| 4 | 81,6 | 81,2 | 80,8 | 71,2 | 70,8 | 70,4 | 10,8 | 10,4 | 4 |
| 5 | 102,0 | 101,5 | 101,0 | 89,0 | 88,5 | 88,0 | 13,5 | 13,0 | 5 |
| 6 | 122,4 | 121,8 | 121,2 | 106,8 | 106,2 | 105,6 | 16,2 | 15,6 | 6 |
| 7 | 142,8 | 142,1 | 141,4 | 124,6 | 123,9 | 123,2 | 18,9 | 18,2 | 7 |
| 8 | 163,2 | 162,4 | 161,6 | 142,4 | 141,6 | 140,8 | 21,6 | 20,8 | 8 |
| 9 | 183,6 | 182,7 | 181,8 | 160,2 | 159,3 | 158,4 | 24,3 | 23,4 | 9 |

| 23g | 177 | 203 | 203 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.55** | **9.58** | **0.41** | **9.96** | |
| **50 oo** | 72796 | 75660 | 24340 | 97136 | **50 oo** |
| 10 | 72972 | 75862 | 24138 | 97109 | 90 |
| 20 | 73148 | 76065 | 23935 | 97083 | 80 |
| 30 | 73325 | 76268 | 23732 | 97057 | 70 |
| 40 | 73501 | 76471 | 23529 | 97030 | 60 |
| 50 | 73677 | 76673 | 23327 | 97004 | 50 |
| 60 | 73853 | 76876 | 23124 | 96977 | 40 |
| 70 | 74030 | 77079 | 22921 | 96951 | 30 |
| 80 | 74206 | 77281 | 22719 | 96925 | 20 |
| 90 | 74382 | 77484 | 22516 | 96898 | 10 |
| **51 oo** | 74559 | 77687 | 22313 | 96872 | **49 oo** |
| 10 | 74735 | 77889 | 22111 | 96845 | 90 |
| 20 | 74911 | 78092 | 21908 | 96819 | 80 |
| 30 | 75087 | 78295 | 21705 | 96793 | 70 |
| 40 | 75263 | 78497 | 21503 | 96766 | 60 |
| 50 | 75440 | 78700 | 21300 | 96740 | 50 |
| 60 | 75616 | 78903 | 21097 | 96713 | 40 |
| 70 | 75792 | 79105 | 20895 | 96687 | 30 |
| 80 | 75968 | 79308 | 20692 | 96661 | 20 |
| 90 | 76144 | 79510 | 20490 | 96634 | 10 |
| **52 oo** | 76321 | 79713 | 20287 | 96608 | **48 oo** |
| 10 | 76497 | 79915 | 20085 | 96581 | 90 |
| 20 | 76673 | 80118 | 19882 | 96555 | 80 |
| 30 | 76849 | 80321 | 19679 | 96528 | 70 |
| 40 | 77025 | 80523 | 19477 | 96502 | 60 |
| 50 | 77201 | 80726 | 19274 | 96476 | 50 |
| 60 | 77378 | 80928 | 19072 | 96449 | 40 |
| 70 | 77554 | 81131 | 18869 | 96423 | 30 |
| 80 | 77730 | 81333 | 18667 | 96396 | 20 |
| 90 | 77906 | 81536 | 18464 | 96370 | 10 |
| **53 oo** | 78082 | 81738 | 18262 | 96344 | **47 oo** |
| 10 | 78258 | 81941 | 18059 | 96317 | 90 |
| 20 | 78434 | 82143 | 17857 | 96291 | 80 |
| 30 | 78610 | 82346 | 17654 | 96264 | 70 |
| 40 | 78786 | 82548 | 17452 | 96238 | 60 |
| 50 | 78962 | 82751 | 17249 | 96211 | 50 |
| 60 | 79138 | 82953 | 17047 | 96185 | 40 |
| 70 | 79314 | 83156 | 16844 | 96158 | 30 |
| 80 | 79490 | 83358 | 16642 | 96132 | 20 |
| 90 | 79666 | 83561 | 16439 | 96106 | 10 |
| **54 oo** | 79842 | 83763 | 16237 | 96079 | **46 oo** |
| 10 | 80018 | 83966 | 16034 | 96053 | 90 |
| 20 | 80194 | 84168 | 15832 | 96026 | 80 |
| 30 | 80370 | 84371 | 15629 | 96000 | 70 |
| 40 | 80546 | 84573 | 15427 | 95973 | 60 |
| 50 | 80722 | 84775 | 15225 | 95947 | 50 |
| 60 | 80898 | 84978 | 15022 | 95921 | 40 |
| 70 | 81074 | 85180 | 14820 | 95894 | 30 |
| 80 | 81250 | 85383 | 14617 | 95868 | 20 |
| 90 | 81426 | 85585 | 14415 | 95841 | 10 |
| **55 oo** | 81602 | 85787 | 14213 | 95815 | **45 oo** |
| | **9.55** | **9.58** | **0.41** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 176 | 202 | 202 | 27 | **76g** |

| 23g | 176 | 203 | 203 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.55** | **9.58** | **0.41** | **9.96** | |
| **55 oo** | 81602 | 85787 | 14213 | 95815 | **45 oo** |
| 10 | 81778 | 85990 | 14010 | 95788 | 90 |
| 20 | 81954 | 86192 | 13808 | 95762 | 80 |
| 30 | 82130 | 86394 | 13606 | 95735 | 70 |
| 40 | 82306 | 86597 | 13403 | 95709 | 60 |
| 50 | 82482 | 86799 | 13201 | 95682 | 50 |
| 60 | 82657 | 87002 | 12998 | 95656 | 40 |
| 70 | 82833 | 87204 | 12796 | 95629 | 30 |
| 80 | 83009 | 87406 | 12594 | 95603 | 20 |
| 90 | 83185 | 87608 | 12392 | 95577 | 10 |
| **56 oo** | 83361 | 87811 | 12189 | 95550 | **44 oo** |
| 10 | 83537 | 88013 | 11987 | 95524 | 90 |
| 20 | 83713 | 88215 | 11785 | 95497 | 80 |
| 30 | 83888 | 88418 | 11582 | 95471 | 70 |
| 40 | 84064 | 88620 | 11380 | 95444 | 60 |
| 50 | 84240 | 88822 | 11178 | 95418 | 50 |
| 60 | 84416 | 89025 | 10975 | 95391 | 40 |
| 70 | 84592 | 89227 | 10773 | 95365 | 30 |
| 80 | 84767 | 89429 | 10571 | 95338 | 20 |
| 90 | 84943 | 89631 | 10369 | 95312 | 10 |
| **57 oo** | 85119 | 89834 | 10166 | 95285 | **43 oo** |
| 10 | 85295 | 90036 | 09964 | 95259 | 90 |
| 20 | 85470 | 90238 | 09762 | 95232 | 80 |
| 30 | 85646 | 90440 | 09560 | 95206 | 70 |
| 40 | 85822 | 90642 | 09358 | 95179 | 60 |
| 50 | 85998 | 90845 | 09155 | 95153 | 50 |
| 60 | 86173 | 91047 | 08953 | 95126 | 40 |
| 70 | 86349 | 91249 | 08751 | 95100 | 30 |
| 80 | 86525 | 91451 | 08549 | 95074 | 20 |
| 90 | 86700 | 91653 | 08347 | 95047 | 10 |
| **58 oo** | 86876 | 91856 | 08144 | 95021 | **42 oo** |
| 10 | 87052 | 92058 | 07942 | 94994 | 90 |
| 20 | 87227 | 92260 | 07740 | 94968 | 80 |
| 30 | 87403 | 92462 | 07538 | 94941 | 70 |
| 40 | 87579 | 92664 | 07336 | 94915 | 60 |
| 50 | 87754 | 92866 | 07134 | 94888 | 50 |
| 60 | 87930 | 93068 | 06932 | 94862 | 40 |
| 70 | 88106 | 93271 | 06729 | 94835 | 30 |
| 80 | 88281 | 93473 | 06527 | 94809 | 20 |
| 90 | 88457 | 93675 | 06325 | 94782 | 10 |
| **59 oo** | 88632 | 93877 | 06123 | 94756 | **41 oo** |
| 10 | 88808 | 94079 | 05921 | 94729 | 90 |
| 20 | 88984 | 94281 | 05719 | 94703 | 80 |
| 30 | 89159 | 94483 | 05517 | 94676 | 70 |
| 40 | 89335 | 94685 | 05315 | 94650 | 60 |
| 50 | 89510 | 94887 | 05113 | 94623 | 50 |
| 60 | 89686 | 95089 | 04911 | 94597 | 40 |
| 70 | 89861 | 95291 | 04709 | 94570 | 30 |
| 80 | 90037 | 95493 | 04507 | 94544 | 20 |
| 90 | 90213 | 95696 | 04304 | 94517 | 10 |
| **60 oo** | 90388 | 95898 | 04102 | 94490 | **40 oo** |
| | **9.55** | **9.58** | **0.41** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 175 | 202 | 202 | 27 | **76g** |

| | 203 | 202 | 177 | 176 | 175 | 27 | 26 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 20,3 | 20,2 | 17,7 | 17,6 | 17,5 | 2,7 | 2,6 | 1 |
| 2 | 40,6 | 40,4 | 35,4 | 35,2 | 35,0 | 5,4 | 5,2 | 2 |
| 3 | 60,9 | 60,6 | 53,1 | 52,8 | 52,5 | 8,1 | 7,8 | 3 |
| 4 | 81,2 | 80,8 | 70,8 | 70,4 | 70,0 | 10,8 | 10,4 | 4 |
| 5 | 101,5 | 101,0 | 88,5 | 88,0 | 87,5 | 13,5 | 13,0 | 5 |
| 6 | 121,8 | 121,2 | 106,2 | 105,6 | 105,0 | 16,2 | 15,6 | 6 |
| 7 | 142,1 | 141,4 | 123,9 | 123,2 | 122,5 | 18,9 | 18,2 | 7 |
| 8 | 162,4 | 161,6 | 141,6 | 140,8 | 140,0 | 21,6 | 20,8 | 8 |
| 9 | 182,7 | 181,8 | 159,3 | 158,4 | 157,5 | 24,3 | 23,4 | 9 |

| 23g | 176 | 202 | 202 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.55** | ***9.58** | ***0.41** | **9.96** | |
| **60 oo** | 90388 | *95898 | *04102 | 94490 | **40 oo** |
| 10 | 90564 | *96100 | *03900 | 94464 | 90 |
| 20 | 90739 | *96302 | *03698 | 94437 | 80 |
| 30 | 90915 | *96504 | *03496 | 94411 | 70 |
| 40 | 91090 | *96706 | *03294 | 94384 | 60 |
| 50 | 91266 | *96908 | *03092 | 94358 | 50 |
| 60 | 91441 | *97110 | *02890 | 94331 | 40 |
| 70 | 91616 | *97312 | *02688 | 94305 | 30 |
| 80 | 91792 | *97514 | *02486 | 94278 | 20 |
| 90 | 91967 | *97716 | *02284 | 94252 | 10 |
| **61 oo** | 92143 | *97918 | *02082 | 94225 | **39 oo** |
| 10 | 92318 | *98119 | *01881 | 94199 | 90 |
| 20 | 92494 | *98321 | *01679 | 94172 | 80 |
| 30 | 92669 | *98523 | *01477 | 94146 | 70 |
| 40 | 92844 | *98725 | *01275 | 94119 | 60 |
| 50 | 93020 | *98927 | *01073 | 94093 | 50 |
| 60 | 93195 | *99129 | *00871 | 94066 | 40 |
| 70 | 93371 | *99331 | *00669 | 94040 | 30 |
| 80 | 93546 | *99533 | *00467 | 94013 | 20 |
| 90 | 93721 | *99735 | *00265 | 93986 | 10 |
| **62 oo** | 93897 | *99937 | *00063 | 93960 | **38 oo** |
| 10 | 94072 | 00139 | 99861 | 93933 | 90 |
| 20 | 94247 | 00341 | 99659 | 93907 | 80 |
| 30 | 94423 | 00542 | 99458 | 93880 | 70 |
| 40 | 94598 | 00744 | 99256 | 93854 | 60 |
| 50 | 94773 | 00946 | 99054 | 93827 | 50 |
| 60 | 94949 | 01148 | 98852 | 93801 | 40 |
| 70 | 95124 | 01350 | 98650 | 93774 | 30 |
| 80 | 95299 | 01552 | 98448 | 93748 | 20 |
| 90 | 95475 | 01754 | 98246 | 93721 | 10 |
| **63 oo** | 95650 | 01955 | 98045 | 93694 | **37 oo** |
| 10 | 95825 | 02157 | 97843 | 93668 | 90 |
| 20 | 96000 | 02359 | 97641 | 93641 | 80 |
| 30 | 96176 | 02561 | 97439 | 93615 | 70 |
| 40 | 96351 | 02763 | 97237 | 93588 | 60 |
| 50 | 96526 | 02964 | 97036 | 93562 | 50 |
| 60 | 96701 | 03166 | 96834 | 93535 | 40 |
| 70 | 96877 | 03368 | 96632 | 93509 | 30 |
| 80 | 97052 | 03570 | 96430 | 93482 | 20 |
| 90 | 97227 | 03771 | 96229 | 93455 | 10 |
| **64 oo** | 97402 | 03973 | 96027 | 93429 | **36 oo** |
| 10 | 97577 | 04175 | 95825 | 93402 | 90 |
| 20 | 97752 | 04377 | 95623 | 93376 | 80 |
| 30 | 97928 | 04578 | 95422 | 93349 | 70 |
| 40 | 98103 | 04780 | 95220 | 93323 | 60 |
| 50 | 98278 | 04982 | 95018 | 93296 | 50 |
| 60 | 98453 | 05184 | 94816 | 93269 | 40 |
| 70 | 98628 | 05385 | 94615 | 93243 | 30 |
| 80 | 98803 | 05587 | 94413 | 93216 | 20 |
| 90 | 98978 | 05789 | 94211 | 93190 | 10 |
| **65 oo** | 99154 | 05990 | 94010 | 93163 | **35 oo** |
| | **9.55** | **9.59** | **0.40** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 175 | 201 | 201 | 27 | |

| 23g | 175 | 202 | 202 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9.55** | **9.59** | **0.40** | **9.96** | |
| **65 oo** | *99154 | 05990 | 94010 | 93163 | **35 oo** |
| 10 | *99329 | 06192 | 93808 | 93137 | 90 |
| 20 | *99504 | 06394 | 93606 | 93110 | 80 |
| 30 | *99679 | 06595 | 93405 | 93083 | 70 |
| 40 | *99854 | 06797 | 93203 | 93057 | 60 |
| 50 | 00029 | 06999 | 93001 | 93030 | 50 |
| 60 | 00204 | 07200 | 92800 | 93004 | 40 |
| 70 | 00379 | 07402 | 92598 | 92977 | 30 |
| 80 | 00554 | 07604 | 92396 | 92951 | 20 |
| 90 | 00729 | 07805 | 92195 | 92924 | 10 |
| **66 oo** | 00904 | 08007 | 91993 | 92897 | **34 oo** |
| 10 | 01079 | 08209 | 91791 | 92871 | 90 |
| 20 | 01254 | 08410 | 91590 | 92844 | 80 |
| 30 | 01429 | 08612 | 91388 | 92818 | 70 |
| 40 | 01604 | 08813 | 91187 | 92791 | 60 |
| 50 | 01779 | 09015 | 90985 | 92764 | 50 |
| 60 | 01954 | 09216 | 90784 | 92738 | 40 |
| 70 | 02129 | 09418 | 90582 | 92711 | 30 |
| 80 | 02304 | 09620 | 90380 | 92685 | 20 |
| 90 | 02479 | 09821 | 90179 | 92658 | 10 |
| **67 oo** | 02654 | 10023 | 89977 | 92631 | **33 oo** |
| 10 | 02829 | 10224 | 89776 | 92605 | 90 |
| 20 | 03004 | 10426 | 89574 | 92578 | 80 |
| 30 | 03179 | 10627 | 89373 | 92552 | 70 |
| 40 | 03354 | 10829 | 89171 | 92525 | 60 |
| 50 | 03529 | 11030 | 88970 | 92498 | 50 |
| 60 | 03704 | 11232 | 88768 | 92472 | 40 |
| 70 | 03879 | 11433 | 88567 | 92445 | 30 |
| 80 | 04053 | 11635 | 88365 | 92419 | 20 |
| 90 | 04228 | 11836 | 88164 | 92392 | 10 |
| **68 oo** | 04403 | 12038 | 87962 | 92365 | **32 oo** |
| 10 | 04578 | 12239 | 87761 | 92339 | 90 |
| 20 | 04753 | 12441 | 87559 | 92312 | 80 |
| 30 | 04928 | 12642 | 87358 | 92285 | 70 |
| 40 | 05103 | 12844 | 87156 | 92259 | 60 |
| 50 | 05277 | 13045 | 86955 | 92232 | 50 |
| 60 | 05452 | 13247 | 86753 | 92206 | 40 |
| 70 | 05627 | 13448 | 86552 | 92179 | 30 |
| 80 | 05802 | 13649 | 86351 | 92152 | 20 |
| 90 | 05977 | 13851 | 86149 | 92126 | 10 |
| **69 oo** | 06151 | 14052 | 85948 | 92099 | **31 oo** |
| 10 | 06326 | 14254 | 85746 | 92072 | 90 |
| 20 | 06501 | 14455 | 85545 | 92046 | 80 |
| 30 | 06676 | 14656 | 85344 | 92019 | 70 |
| 40 | 06850 | 14858 | 85142 | 91993 | 60 |
| 50 | 07025 | 15059 | 84941 | 91966 | 50 |
| 60 | 07200 | 15261 | 84739 | 91939 | 40 |
| 70 | 07375 | 15462 | 84538 | 91913 | 30 |
| 80 | 07549 | 15663 | 84337 | 91886 | 20 |
| 90 | 07724 | 15865 | 84135 | 91859 | 10 |
| **70 oo** | 07899 | 16066 | 83934 | 91833 | **30 oo** |
| | **9.56** | **9.59** | **0.40** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 174 | 201 | 201 | 27 | |

| | 202 | 201 | 176 | 175 | 174 | 27 | 26 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 20,2 | 20,1 | 17,6 | 17,5 | 17,4 | 2,7 | 2,6 | 1 |
| 2 | 40,4 | 40,2 | 35,2 | 35,0 | 34,8 | 5,4 | 5,2 | 2 |
| 3 | 60,6 | 60,3 | 52,8 | 52,5 | 52,2 | 8,1 | 7,8 | 3 |
| 4 | 80,8 | 80,4 | 70,4 | 70,0 | 69,6 | 10,8 | 10,4 | 4 |
| 5 | 101,0 | 100,5 | 88,0 | 87,5 | 87,0 | 13,5 | 13,0 | 5 |
| 6 | 121,2 | 120,6 | 105,6 | 105,0 | 104,4 | 16,2 | 15,6 | 6 |
| 7 | 141,4 | 140,7 | 123,2 | 122,5 | 121,8 | 18,9 | 18,2 | 7 |
| 8 | 161,6 | 160,8 | 140,8 | 140,0 | 139,2 | 21,6 | 20,8 | 8 |
| 9 | 181,8 | 180,9 | 158,4 | 157,5 | 156,6 | 24,3 | 23,4 | 9 |

| **23g** | 175 | 202 | 202 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.56** | **9.59** | **0.40** | **9.96** | |
| **70 oo** | 07899 | 16066 | 83934 | 91833 | **30 oo** |
| 10 | 08074 | 16267 | 83733 | 91806 | 90 |
| 20 | 08248 | 16469 | 83531 | 91780 | 80 |
| 30 | 08423 | 16670 | 83330 | 91753 | 70 |
| 40 | 08598 | 16871 | 83129 | 91726 | 60 |
| 50 | 08772 | 17073 | 82927 | 91700 | 50 |
| 60 | 08947 | 17274 | 82726 | 91673 | 40 |
| 70 | 09122 | 17475 | 82525 | 91646 | 30 |
| 80 | 09296 | 17677 | 82323 | 91620 | 20 |
| 90 | 09471 | 17878 | 82122 | 91593 | 10 |
| **71 oo** | 09645 | 18079 | 81921 | 91566 | **29 oo** |
| 10 | 09820 | 18280 | 81720 | 91540 | 90 |
| 20 | 09995 | 18482 | 81518 | 91513 | 80 |
| 30 | 10169 | 18683 | 81317 | 91486 | 70 |
| 40 | 10344 | 18884 | 81116 | 91460 | 60 |
| 50 | 10518 | 19085 | 80915 | 91433 | 50 |
| 60 | 10693 | 19287 | 80713 | 91406 | 40 |
| 70 | 10868 | 19488 | 80512 | 91380 | 30 |
| 80 | 11042 | 19689 | 80311 | 91353 | 20 |
| 90 | 11217 | 19890 | 80110 | 91326 | 10 |
| **72 oo** | 11391 | 20091 | 79909 | 91300 | **28 oo** |
| 10 | 11566 | 20293 | 79707 | 91273 | 90 |
| 20 | 11740 | 20494 | 79506 | 91246 | 80 |
| 30 | 11915 | 20695 | 79305 | 91220 | 70 |
| 40 | 12089 | 20896 | 79104 | 91193 | 60 |
| 50 | 12264 | 21097 | 78903 | 91166 | 50 |
| 60 | 12438 | 21299 | 78701 | 91140 | 40 |
| 70 | 12613 | 21500 | 78500 | 91113 | 30 |
| 80 | 12787 | 21701 | 78299 | 91086 | 20 |
| 90 | 12962 | 21902 | 78098 | 91060 | 10 |
| **73 oo** | 13136 | 22103 | 77897 | 91033 | **27 oo** |
| 10 | 13311 | 22304 | 77696 | 91006 | 90 |
| 20 | 13485 | 22505 | 77495 | 90980 | 80 |
| 30 | 13660 | 22707 | 77293 | 90953 | 70 |
| 40 | 13834 | 22908 | 77092 | 90926 | 60 |
| 50 | 14008 | 23109 | 76891 | 90900 | 50 |
| 60 | 14183 | 23310 | 76690 | 90873 | 40 |
| 70 | 14357 | 23511 | 76489 | 90846 | 30 |
| 80 | 14532 | 23712 | 76288 | 90820 | 20 |
| 90 | 14706 | 23913 | 76087 | 90793 | 10 |
| **74 oo** | 14880 | 24114 | 75886 | 90766 | **26 oo** |
| 10 | 15055 | 24315 | 75685 | 90740 | 90 |
| 20 | 15229 | 24516 | 75484 | 90713 | 80 |
| 30 | 15404 | 24717 | 75283 | 90686 | 70 |
| 40 | 15578 | 24918 | 75082 | 90660 | 60 |
| 50 | 15752 | 25119 | 74881 | 90633 | 50 |
| 60 | 15927 | 25320 | 74680 | 90606 | 40 |
| 70 | 16101 | 25521 | 74479 | 90579 | 30 |
| 80 | 16275 | 25722 | 74278 | 90553 | 20 |
| 90 | 16450 | 25923 | 74077 | 90526 | 10 |
| **75 oo** | 16624 | 26124 | 73876 | 90499 | **25 oo** |
| | **9.56** | **9.59** | **0.40** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 174 | 201 | 201 | 27 | |

| **23g** | 175 | 201 | 201 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.56** | **9.59** | **0.40** | **9.96** | |
| **75 oo** | 16624 | 26124 | 73876 | 90499 | **25 oo** |
| 10 | 16798 | 26325 | 73675 | 90473 | 90 |
| 20 | 16972 | 26526 | 73474 | 90446 | 80 |
| 30 | 17147 | 26727 | 73273 | 90419 | 70 |
| 40 | 17321 | 26928 | 73072 | 90393 | 60 |
| 50 | 17495 | 27129 | 72871 | 90366 | 50 |
| 60 | 17669 | 27330 | 72670 | 90339 | 40 |
| 70 | 17844 | 27531 | 72469 | 90312 | 30 |
| 80 | 18018 | 27732 | 72268 | 90286 | 20 |
| 90 | 18192 | 27933 | 72067 | 90259 | 10 |
| **76 oo** | 18366 | 28134 | 71866 | 90232 | **24 oo** |
| 10 | 18541 | 28335 | 71665 | 90206 | 90 |
| 20 | 18715 | 28536 | 71464 | 90179 | 80 |
| 30 | 18889 | 28737 | 71263 | 90152 | 70 |
| 40 | 19063 | 28938 | 71062 | 90125 | 60 |
| 50 | 19237 | 29139 | 70861 | 90099 | 50 |
| 60 | 19412 | 29340 | 70660 | 90072 | 40 |
| 70 | 19586 | 29540 | 70460 | 90045 | 30 |
| 80 | 19760 | 29741 | 70259 | 90019 | 20 |
| 90 | 19934 | 29942 | 70058 | 89992 | 10 |
| **77 oo** | 20108 | 30143 | 69857 | 89965 | **23 oo** |
| 10 | 20282 | 30344 | 69656 | 89938 | 90 |
| 20 | 20456 | 30545 | 69455 | 89912 | 80 |
| 30 | 20631 | 30746 | 69254 | 89885 | 70 |
| 40 | 20805 | 30946 | 69054 | 89858 | 60 |
| 50 | 20979 | 31147 | 68853 | 89831 | 50 |
| 60 | 21153 | 31348 | 68652 | 89805 | 40 |
| 70 | 21327 | 31549 | 68451 | 89778 | 30 |
| 80 | 21501 | 31750 | 68250 | 89751 | 20 |
| 90 | 21675 | 31951 | 68049 | 89724 | 10 |
| **78 oo** | 21849 | 32151 | 67849 | 89698 | **22 oo** |
| 10 | 22023 | 32352 | 67648 | 89671 | 90 |
| 20 | 22197 | 32553 | 67447 | 89644 | 80 |
| 30 | 22371 | 32754 | 67246 | 89618 | 70 |
| 40 | 22545 | 32954 | 67046 | 89591 | 60 |
| 50 | 22719 | 33155 | 66845 | 89564 | 50 |
| 60 | 22893 | 33356 | 66644 | 89537 | 40 |
| 70 | 23067 | 33557 | 66443 | 89511 | 30 |
| 80 | 23241 | 33757 | 66243 | 89484 | 20 |
| 90 | 23415 | 33958 | 66042 | 89457 | 10 |
| **79 oo** | 23589 | 34159 | 65841 | 89430 | **21 oo** |
| 10 | 23763 | 34360 | 65640 | 89404 | 90 |
| 20 | 23937 | 34560 | 65440 | 89377 | 80 |
| 30 | 24111 | 34761 | 65239 | 89350 | 70 |
| 40 | 24285 | 34962 | 65038 | 89323 | 60 |
| 50 | 24459 | 35163 | 64837 | 89297 | 50 |
| 60 | 24633 | 35363 | 64637 | 89270 | 40 |
| 70 | 24807 | 35564 | 64436 | 89243 | 30 |
| 80 | 24981 | 35765 | 64235 | 89216 | 20 |
| 90 | 25155 | 35965 | 64035 | 89190 | 10 |
| **80 oo** | 25329 | 36166 | 63834 | 89163 | **20 oo** |
| | **9.56** | **9.59** | **0.40** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 174 | 200 | 200 | 27 | |

| | 202 | 201 | 200 | 175 | 174 | 27 | 26 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 20,2 | 20,1 | 20,0 | 17,5 | 17,4 | 2,7 | 2,6 | 1 |
| 2 | 40,4 | 40,2 | 40,0 | 35,0 | 34,8 | 5,4 | 5,2 | 2 |
| 3 | 60,6 | 60,3 | 60,0 | 52,5 | 52,2 | 8,1 | 7,8 | 3 |
| 4 | 80,8 | 80,4 | 80,0 | 70,0 | 69,6 | 10,8 | 10,4 | 4 |
| 5 | 101,0 | 100,5 | 100,0 | 87,5 | 87,0 | 13,5 | 13,0 | 5 |
| 6 | 121,2 | 120,6 | 120,0 | 105,0 | 104,4 | 16,2 | 15,6 | 6 |
| 7 | 141,4 | 140,7 | 140,0 | 122,5 | 121,8 | 18,9 | 18,2 | 7 |
| 8 | 161,6 | 160,8 | 160,0 | 140,0 | 139,2 | 21,6 | 20,8 | 8 |
| 9 | 181,8 | 180,9 | 180,0 | 157,5 | 156,6 | 24,3 | 23,4 | 9 |

| **23g** | 174 | 201 | 201 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.56** | **9.59** | **0.40** | **9.96** | |
| **80 oo** | 25329 | 36166 | 63834 | 89163 | **20 oo** |
| 10 | 25503 | 36367 | 63633 | 89136 | 90 |
| 20 | 25676 | 36567 | 63433 | 89109 | 80 |
| 30 | 25850 | 36768 | 63232 | 89082 | 70 |
| 40 | 26024 | 36968 | 63032 | 89056 | 60 |
| 50 | 26198 | 37169 | 62831 | 89029 | 50 |
| 60 | 26372 | 37370 | 62630 | 89002 | 40 |
| 70 | 26546 | 37570 | 62430 | 88975 | 30 |
| 80 | 26720 | 37771 | 62229 | 88949 | 20 |
| 90 | 26893 | 37972 | 62028 | 88922 | 10 |
| **81 oo** | 27067 | 38172 | 61828 | 88895 | **19 oo** |
| 10 | 27241 | 38373 | 61627 | 88868 | 90 |
| 20 | 27415 | 38573 | 61427 | 88842 | 80 |
| 30 | 27589 | 38774 | 61226 | 88815 | 70 |
| 40 | 27762 | 38974 | 61026 | 88788 | 60 |
| 50 | 27936 | 39175 | 60825 | 88761 | 50 |
| 60 | 28110 | 39376 | 60624 | 88734 | 40 |
| 70 | 28284 | 39576 | 60424 | 88708 | 30 |
| 80 | 28457 | 39777 | 60223 | 88681 | 20 |
| 90 | 28631 | 39977 | 60023 | 88654 | 10 |
| **82 oo** | 28805 | 40178 | 59822 | 88627 | **18 oo** |
| 10 | 28979 | 40378 | 59622 | 88600 | 90 |
| 20 | 29152 | 40579 | 59421 | 88574 | 80 |
| 30 | 29326 | 40779 | 59221 | 88547 | 70 |
| 40 | 29500 | 40980 | 59020 | 88520 | 60 |
| 50 | 29674 | 41180 | 58820 | 88493 | 50 |
| 60 | 29847 | 41381 | 58619 | 88467 | 40 |
| 70 | 30021 | 41581 | 58419 | 88440 | 30 |
| 80 | 30195 | 41782 | 58218 | 88413 | 20 |
| 90 | 30368 | 41982 | 58018 | 88386 | 10 |
| **83 oo** | 30542 | 42183 | 57817 | 88359 | **17 oo** |
| 10 | 30716 | 42383 | 57617 | 88333 | 90 |
| 20 | 30889 | 42583 | 57417 | 88306 | 80 |
| 30 | 31063 | 42784 | 57216 | 88279 | 70 |
| 40 | 31236 | 42984 | 57016 | 88252 | 60 |
| 50 | 31410 | 43185 | 56815 | 88225 | 50 |
| 60 | 31584 | 43385 | 56615 | 88199 | 40 |
| 70 | 31757 | 43586 | 56414 | 88172 | 30 |
| 80 | 31931 | 43786 | 56214 | 88145 | 20 |
| 90 | 32104 | 43986 | 56014 | 88118 | 10 |
| **84 oo** | 32278 | 44187 | 55813 | 88091 | **16 oo** |
| 10 | 32452 | 44387 | 55613 | 88064 | 90 |
| 20 | 32625 | 44587 | 55413 | 88038 | 80 |
| 30 | 32799 | 44788 | 55212 | 88011 | 70 |
| 40 | 32972 | 44988 | 55012 | 87984 | 60 |
| 50 | 33146 | 45189 | 54811 | 87957 | 50 |
| 60 | 33319 | 45389 | 54611 | 87930 | 40 |
| 70 | 33493 | 45589 | 54411 | 87904 | 30 |
| 80 | 33666 | 45790 | 54210 | 87877 | 20 |
| 90 | 33840 | 45990 | 54010 | 87850 | 10 |
| **85 oo** | 34013 | 46190 | 53810 | 87823 | **15 oo** |
| | **9.56** | **9.59** | **0.40** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 173 | 200 | 200 | 27 | |

| **23g** | 174 | 201 | 201 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.56** | **9.59** | **0.40** | **9.96** | |
| **85 oo** | 34013 | 46190 | 53810 | 87823 | **15 oo** |
| 10 | 34187 | 46391 | 53609 | 87796 | 90 |
| 20 | 34360 | 46591 | 53409 | 87769 | 80 |
| 30 | 34534 | 46791 | 53209 | 87743 | 70 |
| 40 | 34707 | 46991 | 53009 | 87716 | 60 |
| 50 | 34881 | 47192 | 52808 | 87689 | 50 |
| 60 | 35054 | 47392 | 52608 | 87662 | 40 |
| 70 | 35228 | 47592 | 52408 | 87635 | 30 |
| 80 | 35401 | 47793 | 52207 | 87608 | 20 |
| 90 | 35574 | 47993 | 52007 | 87582 | 10 |
| **86 oo** | 35748 | 48193 | 51807 | 87555 | **14 oo** |
| 10 | 35921 | 48393 | 51607 | 87528 | 90 |
| 20 | 36095 | 48594 | 51406 | 87501 | 80 |
| 30 | 36268 | 48794 | 51206 | 87474 | 70 |
| 40 | 36442 | 48994 | 51006 | 87447 | 60 |
| 50 | 36615 | 49194 | 50806 | 87421 | 50 |
| 60 | 36788 | 49394 | 50606 | 87394 | 40 |
| 70 | 36962 | 49595 | 50405 | 87367 | 30 |
| 80 | 37135 | 49795 | 50205 | 87340 | 20 |
| 90 | 37308 | 49995 | 50005 | 87313 | 10 |
| **87 oo** | 37482 | 50195 | 49805 | 87286 | **13 oo** |
| 10 | 37655 | 50395 | 49605 | 87260 | 90 |
| 20 | 37828 | 50596 | 49404 | 87233 | 80 |
| 30 | 38002 | 50796 | 49204 | 87206 | 70 |
| 40 | 38175 | 50996 | 49004 | 87179 | 60 |
| 50 | 38348 | 51196 | 48804 | 87152 | 50 |
| 60 | 38522 | 51396 | 48604 | 87125 | 40 |
| 70 | 38695 | 51596 | 48404 | 87098 | 30 |
| 80 | 38868 | 51797 | 48203 | 87072 | 20 |
| 90 | 39041 | 51997 | 48003 | 87045 | 10 |
| **88 oo** | 39215 | 52197 | 47803 | 87018 | **12 oo** |
| 10 | 39388 | 52397 | 47603 | 86991 | 90 |
| 20 | 39561 | 52597 | 47403 | 86964 | 80 |
| 30 | 39734 | 52797 | 47203 | 86937 | 70 |
| 40 | 39908 | 52997 | 47003 | 86910 | 60 |
| 50 | 40081 | 53197 | 46803 | 86884 | 50 |
| 60 | 40254 | 53397 | 46603 | 86857 | 40 |
| 70 | 40427 | 53597 | 46403 | 86830 | 30 |
| 80 | 40600 | 53797 | 46203 | 86803 | 20 |
| 90 | 40774 | 53998 | 46002 | 86776 | 10 |
| **89 oo** | 40947 | 54198 | 45802 | 86749 | **11 oo** |
| 10 | 41120 | 54398 | 45602 | 86722 | 90 |
| 20 | 41293 | 54598 | 45402 | 86695 | 80 |
| 30 | 41466 | 54798 | 45202 | 86669 | 70 |
| 40 | 41639 | 54998 | 45002 | 86642 | 60 |
| 50 | 41813 | 55198 | 44802 | 86615 | 50 |
| 60 | 41986 | 55398 | 44602 | 86588 | 40 |
| 70 | 42159 | 55598 | 44402 | 86561 | 30 |
| 80 | 42332 | 55798 | 44202 | 86534 | 20 |
| 90 | 42505 | 55998 | 44002 | 86507 | 10 |
| **90 oo** | 42678 | 56198 | 43802 | 86480 | **10 oo** |
| | **9.56** | **9.59** | **0.40** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 173 | 200 | 200 | 27 | |

| | 201 | 200 | 174 | 173 | 27 | 26 | |
|---|---|---|---|---|---|---|---|
| 1 | 20,1 | 20,0 | 17,4 | 17,3 | 2,7 | 2,6 | 1 |
| 2 | 40,2 | 40,0 | 34,8 | 34,6 | 5,4 | 5,2 | 2 |
| 3 | 60,3 | 60,0 | 52,2 | 51,9 | 8,1 | 7,8 | 3 |
| 4 | 80,4 | 80,0 | 69,6 | 69,2 | 10,8 | 10,4 | 4 |
| 5 | 100,5 | 100,0 | 87,0 | 86,5 | 13,5 | 13,0 | 5 |
| 6 | 120,6 | 120,0 | 104,4 | 103,8 | 16,2 | 15,6 | 6 |
| 7 | 140,7 | 140,0 | 121,8 | 121,1 | 18,9 | 18,2 | 7 |
| 8 | 160,8 | 160,0 | 139,2 | 138,4 | 21,6 | 20,8 | 8 |
| 9 | 180,9 | 180,0 | 156,6 | 155,7 | 24,3 | 23,4 | 9 |

| **23g** | 174 | 200 | 200 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.56** | **9.59** | **0.40** | **9.96** | |
| **90 oo** | 42678 | 56198 | 43802 | 86480 | **10 oo** |
| 10 | 42851 | 56398 | 43602 | 86453 | 90 |
| 20 | 43024 | 56598 | 43402 | 86427 | 80 |
| 30 | 43197 | 56798 | 43202 | 86400 | 70 |
| 40 | 43370 | 56998 | 43002 | 86373 | 60 |
| 50 | 43543 | 57198 | 42802 | 86346 | 50 |
| 60 | 43717 | 57397 | 42603 | 86319 | 40 |
| 70 | 43890 | 57597 | 42403 | 86292 | 30 |
| 80 | 44063 | 57797 | 42203 | 86265 | 20 |
| 90 | 44236 | 57997 | 42003 | 86238 | 10 |
| **91 oo** | 44409 | 58197 | 41803 | 86211 | **09 oo** |
| 10 | 44582 | 58397 | 41603 | 86185 | 90 |
| 20 | 44755 | 58597 | 41403 | 86158 | 80 |
| 30 | 44928 | 58797 | 41203 | 86131 | 70 |
| 40 | 45101 | 58997 | 41003 | 86104 | 60 |
| 50 | 45274 | 59197 | 40803 | 86077 | 50 |
| 60 | 45447 | 59397 | 40603 | 86050 | 40 |
| 70 | 45620 | 59596 | 40404 | 86023 | 30 |
| 80 | 45793 | 59796 | 40204 | 85996 | 20 |
| 90 | 45965 | 59996 | 40004 | 85969 | 10 |
| **92 oo** | 46138 | 60196 | 39804 | 85942 | **08 oo** |
| 10 | 46311 | 60396 | 39604 | 85915 | 90 |
| 20 | 46484 | 60596 | 39404 | 85889 | 80 |
| 30 | 46657 | 60796 | 39204 | 85862 | 70 |
| 40 | 46830 | 60995 | 39005 | 85835 | 60 |
| 50 | 47003 | 61195 | 38805 | 85808 | 50 |
| 60 | 47176 | 61395 | 38605 | 85781 | 40 |
| 70 | 47349 | 61595 | 38405 | 85754 | 30 |
| 80 | 47522 | 61795 | 38205 | 85727 | 20 |
| 90 | 47695 | 61994 | 38006 | 85700 | 10 |
| **93 oo** | 47867 | 62194 | 37806 | 85673 | **07 oo** |
| 10 | 48040 | 62394 | 37606 | 85646 | 90 |
| 20 | 48213 | 62594 | 37406 | 85619 | 80 |
| 30 | 48386 | 62793 | 37207 | 85592 | 70 |
| 40 | 48559 | 62993 | 37007 | 85566 | 60 |
| 50 | 48732 | 63193 | 36807 | 85539 | 50 |
| 60 | 48904 | 63393 | 36607 | 85512 | 40 |
| 70 | 49077 | 63592 | 36408 | 85485 | 30 |
| 80 | 49250 | 63792 | 36208 | 85458 | 20 |
| 90 | 49423 | 63992 | 36008 | 85431 | 10 |
| **94 oo** | 49596 | 64192 | 35808 | 85404 | **06 oo** |
| 10 | 49768 | 64391 | 35609 | 85377 | 90 |
| 20 | 49941 | 64591 | 35409 | 85350 | 80 |
| 30 | 50114 | 64791 | 35209 | 85323 | 70 |
| 40 | 50287 | 64990 | 35010 | 85296 | 60 |
| 50 | 50459 | 65190 | 34810 | 85269 | 50 |
| 60 | 50632 | 65390 | 34610 | 85242 | 40 |
| 70 | 50805 | 65589 | 34411 | 85215 | 30 |
| 80 | 50977 | 65789 | 34211 | 85188 | 20 |
| 90 | 51150 | 65989 | 34011 | 85161 | 10 |
| **95 oo** | 51323 | 66188 | 33812 | 85135 | **05 oo** |
| | **9.56** | **9.59** | **0.40** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 172 | 199 | 199 | 27 | |

| **23g** | 173 | 200 | 200 | 26 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.56** | **9.59** | **0.40** | **9.96** | |
| **95 oo** | 51323 | 66188 | 33812 | 85135 | **05 oo** |
| 10 | 51496 | 66388 | 33612 | 85108 | 90 |
| 20 | 51668 | 66588 | 33412 | 85081 | 80 |
| 30 | 51841 | 66787 | 33213 | 85054 | 70 |
| 40 | 52014 | 66987 | 33013 | 85027 | 60 |
| 50 | 52186 | 67187 | 32813 | 85000 | 50 |
| 60 | 52359 | 67386 | 32614 | 84973 | 40 |
| 70 | 52532 | 67586 | 32414 | 84946 | 30 |
| 80 | 52704 | 67785 | 32215 | 84919 | 20 |
| 90 | 52877 | 67985 | 32015 | 84892 | 10 |
| **96 oo** | 53049 | 68184 | 31816 | 84865 | **04 oo** |
| 10 | 53222 | 68384 | 31616 | 84838 | 90 |
| 20 | 53395 | 68584 | 31416 | 84811 | 80 |
| 30 | 53567 | 68783 | 31217 | 84784 | 70 |
| 40 | 53740 | 68983 | 31017 | 84757 | 60 |
| 50 | 53912 | 69182 | 30818 | 84730 | 50 |
| 60 | 54085 | 69382 | 30618 | 84703 | 40 |
| 70 | 54258 | 69581 | 30419 | 84676 | 30 |
| 80 | 54430 | 69781 | 30219 | 84649 | 20 |
| 90 | 54603 | 69980 | 30020 | 84622 | 10 |
| **97 oo** | 54775 | 70180 | 29820 | 84595 | **03 oo** |
| 10 | 54948 | 70379 | 29621 | 84568 | 90 |
| 20 | 55120 | 70579 | 29421 | 84541 | 80 |
| 30 | 55293 | 70778 | 29222 | 84514 | 70 |
| 40 | 55465 | 70978 | 29022 | 84487 | 60 |
| 50 | 55638 | 71177 | 28823 | 84460 | 50 |
| 60 | 55810 | 71377 | 28623 | 84433 | 40 |
| 70 | 55983 | 71576 | 28424 | 84406 | 30 |
| 80 | 56155 | 71776 | 28224 | 84380 | 20 |
| 90 | 56328 | 71975 | 28025 | 84353 | 10 |
| **98 oo** | 56500 | 72175 | 27825 | 84326 | **02 oo** |
| 10 | 56673 | 72374 | 27626 | 84299 | 90 |
| 20 | 56845 | 72574 | 27426 | 84272 | 80 |
| 30 | 57018 | 72773 | 27227 | 84245 | 70 |
| 40 | 57190 | 72972 | 27028 | 84218 | 60 |
| 50 | 57362 | 73172 | 26828 | 84191 | 50 |
| 60 | 57535 | 73371 | 26629 | 84164 | 40 |
| 70 | 57707 | 73571 | 26429 | 84137 | 30 |
| 80 | 57880 | 73770 | 26230 | 84110 | 20 |
| 90 | 58052 | 73969 | 26031 | 84083 | 10 |
| **99 oo** | 58224 | 74169 | 25831 | 84056 | **01 oo** |
| 10 | 58397 | 74368 | 25632 | 84029 | 90 |
| 20 | 58569 | 74568 | 25432 | 84002 | 80 |
| 30 | 58742 | 74767 | 25233 | 83975 | 70 |
| 40 | 58914 | 74966 | 25034 | 83948 | 60 |
| 50 | 59086 | 75166 | 24834 | 83921 | 50 |
| 60 | 59259 | 75365 | 24635 | 83894 | 40 |
| 70 | 59431 | 75564 | 24436 | 83867 | 30 |
| 80 | 59603 | 75764 | 24236 | 83840 | 20 |
| 90 | 59776 | 75963 | 24037 | 83813 | 10 |
| **100 oo** | 59948 | 76162 | 23838 | 83786 | **00 oo** |
| | **9.56** | **9.59** | **0.40** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **76g** |
| | 172 | 199 | 199 | 27 | |

| | 200 | 199 | 174 | 173 | 172 | 27 | 26 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 20,0 | 19,9 | 17,4 | 17,3 | 17,2 | 2,7 | 2,6 | 1 |
| 2 | 40,0 | 39,8 | 34,8 | 34,6 | 34,4 | 5,4 | 5,2 | 2 |
| 3 | 60,0 | 59,7 | 52,2 | 51,9 | 51,6 | 8,1 | 7,8 | 3 |
| 4 | 80,0 | 79,6 | 69,6 | 69,2 | 68,8 | 10,8 | 10,4 | 4 |
| 5 | 100,0 | 99,5 | 87,0 | 86,5 | 86,0 | 13,5 | 13,0 | 5 |
| 6 | 120,0 | 119,4 | 104,4 | 103,8 | 103,2 | 16,2 | 15,6 | 6 |
| 7 | 140,0 | 139,3 | 121,8 | 121,1 | 120,4 | 18,9 | 18,2 | 7 |
| 8 | 160,0 | 159,2 | 139,2 | 138,4 | 137,6 | 21,6 | 20,8 | 8 |
| 9 | 180,0 | 179,1 | 156,6 | 155,7 | 154,8 | 24,3 | 23,4 | 9 |

| 24g | 173 | 200 | 200 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.56** | **9.59** | **0.40** | **9.96** | |
| **00 oo** | 59948 | 76162 | 23838 | 83786 | **100 oo** |
| 10 | 60120 | 76362 | 23638 | 83759 | 90 |
| 20 | 60292 | 76561 | 23439 | 83732 | 80 |
| 30 | 60465 | 76760 | 23240 | 83705 | 70 |
| 40 | 60637 | 76959 | 23041 | 83678 | 60 |
| 50 | 60809 | 77159 | 22841 | 83651 | 50 |
| 60 | 60982 | 77358 | 22642 | 83624 | 40 |
| 70 | 61154 | 77557 | 22443 | 83596 | 30 |
| 80 | 61326 | 77757 | 22243 | 83569 | 20 |
| 90 | 61498 | 77956 | 22044 | 83542 | 10 |
| **01 oo** | 61670 | 78155 | 21845 | 83515 | **99 oo** |
| 10 | 61843 | 78354 | 21646 | 83488 | 90 |
| 20 | 62015 | 78554 | 21446 | 83461 | 80 |
| 30 | 62187 | 78753 | 21247 | 83434 | 70 |
| 40 | 62359 | 78952 | 21048 | 83407 | 60 |
| 50 | 62531 | 79151 | 20849 | 83380 | 50 |
| 60 | 62704 | 79350 | 20650 | 83353 | 40 |
| 70 | 62876 | 79550 | 20450 | 83326 | 30 |
| 80 | 63048 | 79749 | 20251 | 83299 | 20 |
| 90 | 63220 | 79948 | 20052 | 83272 | 10 |
| **02 oo** | 63392 | 80147 | 19853 | 83245 | **98 oo** |
| 10 | 63564 | 80346 | 19654 | 83218 | 90 |
| 20 | 63737 | 80545 | 19455 | 83191 | 80 |
| 30 | 63909 | 80745 | 19255 | 83164 | 70 |
| 40 | 64081 | 80944 | 19056 | 83137 | 60 |
| 50 | 64253 | 81143 | 18857 | 83110 | 50 |
| 60 | 64425 | 81342 | 18658 | 83083 | 40 |
| 70 | 64597 | 81541 | 18459 | 83056 | 30 |
| 80 | 64769 | 81740 | 18260 | 83029 | 20 |
| 90 | 64941 | 81939 | 18061 | 83002 | 10 |
| **03 oo** | 65113 | 82139 | 17861 | 82975 | **97 oo** |
| 10 | 65285 | 82338 | 17662 | 82948 | 90 |
| 20 | 65457 | 82537 | 17463 | 82921 | 80 |
| 30 | 65629 | 82736 | 17264 | 82894 | 70 |
| 40 | 65802 | 82935 | 17065 | 82867 | 60 |
| 50 | 65974 | 83134 | 16866 | 82839 | 50 |
| 60 | 66146 | 83333 | 16667 | 82812 | 40 |
| 70 | 66318 | 83532 | 16468 | 82785 | 30 |
| 80 | 66490 | 83731 | 16269 | 82758 | 20 |
| 90 | 66662 | 83930 | 16070 | 82731 | 10 |
| **04 oo** | 66834 | 84129 | 15871 | 82704 | **96 oo** |
| 10 | 67006 | 84328 | 15672 | 82677 | 90 |
| 20 | 67178 | 84527 | 15473 | 82650 | 80 |
| 30 | 67349 | 84726 | 15274 | 82623 | 70 |
| 40 | 67521 | 84925 | 15075 | 82596 | 60 |
| 50 | 67693 | 85125 | 14875 | 82569 | 50 |
| 60 | 67865 | 85324 | 14676 | 82542 | 40 |
| 70 | 68037 | 85523 | 14477 | 82515 | 30 |
| 80 | 68209 | 85722 | 14278 | 82488 | 20 |
| 90 | 68381 | 85920 | 14080 | 82461 | 10 |
| **05 oo** | 68553 | 86119 | 13881 | 82434 | **95 oo** |
| | **9.56** | **9.59** | **0.40** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 171 | 198 | 198 | 28 | |

| 24g | 172 | 199 | 199 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.56** | **9.59** | **0.40** | **9.96** | |
| **05 oo** | 68553 | 86119 | 13881 | 82434 | **95 oo** |
| 10 | 68725 | 86318 | 13682 | 82406 | 90 |
| 20 | 68897 | 86517 | 13483 | 82379 | 80 |
| 30 | 69069 | 86716 | 13284 | 82352 | 70 |
| 40 | 69241 | 86915 | 13085 | 82325 | 60 |
| 50 | 69412 | 87114 | 12886 | 82298 | 50 |
| 60 | 69584 | 87313 | 12687 | 82271 | 40 |
| 70 | 69756 | 87512 | 12488 | 82244 | 30 |
| 80 | 69928 | 87711 | 12289 | 82217 | 20 |
| 90 | 70100 | 87910 | 12090 | 82190 | 10 |
| **06 oo** | 70272 | 88109 | 11891 | 82163 | **94 oo** |
| 10 | 70444 | 88308 | 11692 | 82136 | 90 |
| 20 | 70615 | 88507 | 11493 | 82109 | 80 |
| 30 | 70787 | 88706 | 11294 | 82082 | 70 |
| 40 | 70959 | 88905 | 11095 | 82054 | 60 |
| 50 | 71131 | 89103 | 10897 | 82027 | 50 |
| 60 | 71303 | 89302 | 10698 | 82000 | 40 |
| 70 | 71474 | 89501 | 10499 | 81973 | 30 |
| 80 | 71646 | 89700 | 10300 | 81946 | 20 |
| 90 | 71818 | 89899 | 10101 | 81919 | 10 |
| **07 oo** | 71990 | 90098 | 09902 | 81892 | **93 oo** |
| 10 | 72161 | 90297 | 09703 | 81865 | 90 |
| 20 | 72333 | 90495 | 09505 | 81838 | 80 |
| 30 | 72505 | 90694 | 09306 | 81811 | 70 |
| 40 | 72677 | 90893 | 09107 | 81783 | 60 |
| 50 | 72848 | 91092 | 08908 | 81756 | 50 |
| 60 | 73020 | 91291 | 08709 | 81729 | 40 |
| 70 | 73192 | 91489 | 08511 | 81702 | 30 |
| 80 | 73363 | 91688 | 08312 | 81675 | 20 |
| 90 | 73535 | 91887 | 08113 | 81648 | 10 |
| **08 oo** | 73707 | 92086 | 07914 | 81621 | **92 oo** |
| 10 | 73878 | 92285 | 07715 | 81594 | 90 |
| 20 | 74050 | 92483 | 07517 | 81567 | 80 |
| 30 | 74222 | 92682 | 07318 | 81540 | 70 |
| 40 | 74393 | 92881 | 07119 | 81512 | 60 |
| 50 | 74565 | 93080 | 06920 | 81485 | 50 |
| 60 | 74737 | 93278 | 06722 | 81458 | 40 |
| 70 | 74908 | 93477 | 06523 | 81431 | 30 |
| 80 | 75080 | 93676 | 06324 | 81404 | 20 |
| 90 | 75251 | 93875 | 06125 | 81377 | 10 |
| **09 oo** | 75423 | 94073 | 05927 | 81350 | **91 oo** |
| 10 | 75595 | 94272 | 05728 | 81323 | 90 |
| 20 | 75766 | 94471 | 05529 | 81295 | 80 |
| 30 | 75938 | 94669 | 05331 | 81268 | 70 |
| 40 | 76109 | 94868 | 05132 | 81241 | 60 |
| 50 | 76281 | 95067 | 04933 | 81214 | 50 |
| 60 | 76452 | 95265 | 04735 | 81187 | 40 |
| 70 | 76624 | 95464 | 04536 | 81160 | 30 |
| 80 | 76795 | 95663 | 04337 | 81133 | 20 |
| 90 | 76967 | 95861 | 04139 | 81106 | 10 |
| **10 oo** | 77139 | 96060 | 03940 | 81078 | **90 oo** |
| | **9.56** | **9.59** | **0.40** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 171 | 198 | 198 | 28 | |

| | 200 | 199 | 198 | 173 | 172 | 171 | 28 | 27 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20,0 | 19,9 | 19,8 | 17,3 | 17,2 | 17,1 | 2,8 | 2,7 | 1 |
| 2 | 40,0 | 39,8 | 39,6 | 34,6 | 34,4 | 34,2 | 5,6 | 5,4 | 2 |
| 3 | 60,0 | 59,7 | 59,4 | 51,9 | 51,6 | 51,3 | 8,4 | 8,1 | 3 |
| 4 | 80,0 | 79,6 | 79,2 | 69,2 | 68,8 | 68,4 | 11,2 | 10,8 | 4 |
| 5 | 100,0 | 99,5 | 99,0 | 86,5 | 86,0 | 85,5 | 14,0 | 13,5 | 5 |
| 6 | 120,0 | 119,4 | 118,8 | 103,8 | 103,2 | 102,6 | 16,8 | 16,2 | 6 |
| 7 | 140,0 | 139,3 | 138,6 | 121,1 | 120,4 | 119,7 | 19,6 | 18,9 | 7 |
| 8 | 160,0 | 159,2 | 158,4 | 138,4 | 137,6 | 136,8 | 22,4 | 21,6 | 8 |
| 9 | 180,0 | 179,1 | 178,2 | 155,7 | 154,8 | 153,9 | 25,2 | 24,3 | 9 |

| 24g | 172 | 199 | 199 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.56** | ***9.59** | ***0.40** | **9.96** | |
| **10 oo** | 77139 | *96060 | *03940 | 81078 | **90 oo** |
| 10 | 77310 | *96259 | *03741 | 81051 | 90 |
| 20 | 77482 | *96457 | *03543 | 81024 | 80 |
| 30 | 77653 | *96656 | *03344 | 80997 | 70 |
| 40 | 77825 | *96855 | *03145 | 80970 | 60 |
| 50 | 77996 | *97053 | *02947 | 80943 | 50 |
| 60 | 78167 | *97252 | *02748 | 80916 | 40 |
| 70 | 78339 | *97450 | *02550 | 80888 | 30 |
| 80 | 78510 | *97649 | *02351 | 80861 | 20 |
| 90 | 78682 | *97848 | *02152 | 80834 | 10 |
| **11 oo** | 78853 | *98046 | *01954 | 80807 | **89 oo** |
| 10 | 79025 | *98245 | *01755 | 80780 | 90 |
| 20 | 79196 | *98443 | *01557 | 80753 | 80 |
| 30 | 79368 | *98642 | *01358 | 80726 | 70 |
| 40 | 79539 | *98841 | *01159 | 80698 | 60 |
| 50 | 79710 | *99039 | *00961 | 80671 | 50 |
| 60 | 79882 | *99238 | *00762 | 80644 | 40 |
| 70 | 80053 | *99436 | *00564 | 80617 | 30 |
| 80 | 80224 | *99635 | *00365 | 80590 | 20 |
| 90 | 80396 | *99833 | *00167 | 80563 | 10 |
| **12 oo** | 80567 | 00032 | 99968 | 80535 | **88 oo** |
| 10 | 80739 | 00230 | 99770 | 80508 | 90 |
| 20 | 80910 | 00429 | 99571 | 80481 | 80 |
| 30 | 81081 | 00627 | 99373 | 80454 | 70 |
| 40 | 81253 | 00826 | 99174 | 80427 | 60 |
| 50 | 81424 | 01024 | 98976 | 80400 | 50 |
| 60 | 81595 | 01223 | 98777 | 80373 | 40 |
| 70 | 81767 | 01421 | 98579 | 80345 | 30 |
| 80 | 81938 | 01620 | 98380 | 80318 | 20 |
| 90 | 82109 | 01818 | 98182 | 80291 | 10 |
| **13 oo** | 82280 | 02017 | 97983 | 80264 | **87 oo** |
| 10 | 82452 | 02215 | 97785 | 80237 | 90 |
| 20 | 82623 | 02413 | 97587 | 80209 | 80 |
| 30 | 82794 | 02612 | 97388 | 80182 | 70 |
| 40 | 82965 | 02810 | 97190 | 80155 | 60 |
| 50 | 83137 | 03009 | 96991 | 80128 | 50 |
| 60 | 83308 | 03207 | 96793 | 80101 | 40 |
| 70 | 83479 | 03406 | 96594 | 80074 | 30 |
| 80 | 83650 | 03604 | 96396 | 80046 | 20 |
| 90 | 83822 | 03802 | 96198 | 80019 | 10 |
| **14 oo** | 83993 | 04001 | 95999 | 79992 | **86 oo** |
| 10 | 84164 | 04199 | 95801 | 79965 | 90 |
| 20 | 84335 | 04397 | 95603 | 79938 | 80 |
| 30 | 84506 | 04596 | 95404 | 79911 | 70 |
| 40 | 84678 | 04794 | 95206 | 79883 | 60 |
| 50 | 84849 | 04993 | 95007 | 79856 | 50 |
| 60 | 85020 | 05191 | 94809 | 79829 | 40 |
| 70 | 85191 | 05389 | 94611 | 79802 | 30 |
| 80 | 85362 | 05588 | 94412 | 79775 | 20 |
| 90 | 85533 | 05786 | 94214 | 79747 | 10 |
| **15 oo** | 85704 | 05984 | 94016 | 79720 | **85 oo** |
| | **9.56** | **9.60** | **0.39** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 171 | 198 | 198 | 28 | |

| 24g | 172 | 199 | 199 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.56** | **9.60** | **0.39** | **9.96** | |
| **15 oo** | 85704 | 05984 | 94016 | 79720 | **85 oo** |
| 10 | 85876 | 06183 | 93817 | 79693 | 90 |
| 20 | 86047 | 06381 | 93619 | 79666 | 80 |
| 30 | 86218 | 06579 | 93421 | 79639 | 70 |
| 40 | 86389 | 06777 | 93223 | 79611 | 60 |
| 50 | 86560 | 06976 | 93024 | 79584 | 50 |
| 60 | 86731 | 07174 | 92826 | 79557 | 40 |
| 70 | 86902 | 07372 | 92628 | 79530 | 30 |
| 80 | 87073 | 07571 | 92429 | 79503 | 20 |
| 90 | 87244 | 07769 | 92231 | 79475 | 10 |
| **16 oo** | 87415 | 07967 | 92033 | 79448 | **84 oo** |
| 10 | 87586 | 08165 | 91835 | 79421 | 90 |
| 20 | 87757 | 08364 | 91636 | 79394 | 80 |
| 30 | 87928 | 08562 | 91438 | 79367 | 70 |
| 40 | 88099 | 08760 | 91240 | 79339 | 60 |
| 50 | 88270 | 08958 | 91042 | 79312 | 50 |
| 60 | 88441 | 09156 | 90844 | 79285 | 40 |
| 70 | 88612 | 09355 | 90645 | 79258 | 30 |
| 80 | 88783 | 09553 | 90447 | 79230 | 20 |
| 90 | 88954 | 09751 | 90249 | 79203 | 10 |
| **17 oo** | 89125 | 09949 | 90051 | 79176 | **83 oo** |
| 10 | 89296 | 10147 | 89853 | 79149 | 90 |
| 20 | 89467 | 10346 | 89654 | 79122 | 80 |
| 30 | 89638 | 10544 | 89456 | 79094 | 70 |
| 40 | 89809 | 10742 | 89258 | 79067 | 60 |
| 50 | 89980 | 10940 | 89060 | 79040 | 50 |
| 60 | 90151 | 11138 | 88862 | 79013 | 40 |
| 70 | 90322 | 11336 | 88664 | 78985 | 30 |
| 80 | 90493 | 11535 | 88465 | 78958 | 20 |
| 90 | 90664 | 11733 | 88267 | 78931 | 10 |
| **18 oo** | 90835 | 11931 | 88069 | 78904 | **82 oo** |
| 10 | 91005 | 12129 | 87871 | 78877 | 90 |
| 20 | 91176 | 12327 | 87673 | 78849 | 80 |
| 30 | 91347 | 12525 | 87475 | 78822 | 70 |
| 40 | 91518 | 12723 | 87277 | 78795 | 60 |
| 50 | 91689 | 12921 | 87079 | 78768 | 50 |
| 60 | 91860 | 13119 | 86881 | 78740 | 40 |
| 70 | 92031 | 13317 | 86683 | 78713 | 30 |
| 80 | 92201 | 13516 | 86484 | 78686 | 20 |
| 90 | 92372 | 13714 | 86286 | 78659 | 10 |
| **19 oo** | 92543 | 13912 | 86088 | 78631 | **81 oo** |
| 10 | 92714 | 14110 | 85890 | 78604 | 90 |
| 20 | 92885 | 14308 | 85692 | 78577 | 80 |
| 30 | 93055 | 14506 | 85494 | 78550 | 70 |
| 40 | 93226 | 14704 | 85296 | 78522 | 60 |
| 50 | 93397 | 14902 | 85098 | 78495 | 50 |
| 60 | 93568 | 15100 | 84900 | 78468 | 40 |
| 70 | 93739 | 15298 | 84702 | 78441 | 30 |
| 80 | 93909 | 15496 | 84504 | 78413 | 20 |
| 90 | 94080 | 15694 | 84306 | 78386 | 10 |
| **20 oo** | 94251 | 15892 | 84108 | 78359 | **80 oo** |
| | **9.56** | **9.60** | **0.39** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 170 | 198 | 198 | 28 | |

| | 199 | 198 | 172 | 171 | 170 | 28 | 27 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 19,9 | 19,8 | 17,2 | 17,1 | 17,0 | 2,8 | 2,7 | 1 |
| 2 | 39,8 | 39,6 | 34,4 | 34,2 | 34,0 | 5,6 | 5,4 | 2 |
| 3 | 59,7 | 59,4 | 51,6 | 51,3 | 51,0 | 8,4 | 8,1 | 3 |
| 4 | 79,6 | 79,2 | 68,8 | 68,4 | 68,0 | 11,2 | 10,8 | 4 |
| 5 | 99,5 | 99,0 | 86,0 | 85,5 | 85,0 | 14,0 | 13,5 | 5 |
| 6 | 119,4 | 118,8 | 103,2 | 102,6 | 102,0 | 16,8 | 16,2 | 6 |
| 7 | 139,3 | 138,6 | 120,4 | 119,7 | 119,0 | 19,6 | 18,9 | 7 |
| 8 | 159,2 | 158,4 | 137,6 | 136,8 | 136,0 | 22,4 | 21,6 | 8 |
| 9 | 179,1 | 178,2 | 154,8 | 153,9 | 153,0 | 25,2 | 24,3 | 9 |

| 24g | 171 | 198 | 198 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.56** | **9.60** | **0.39** | **9.96** | |
| **20 oo** | 94251 | 15892 | 84108 | 78359 | **80 oo** |
| 10 | 94421 | 16090 | 83910 | 78332 | 90 |
| 20 | 94592 | 16288 | 83712 | 78304 | 80 |
| 30 | 94763 | 16486 | 83514 | 78277 | 70 |
| 40 | 94934 | 16684 | 83316 | 78250 | 60 |
| 50 | 95104 | 16882 | 83118 | 78223 | 50 |
| 60 | 95275 | 17080 | 82920 | 78195 | 40 |
| 70 | 95446 | 17278 | 82722 | 78168 | 30 |
| 80 | 95616 | 17476 | 82524 | 78141 | 20 |
| 90 | 95787 | 17674 | 82326 | 78113 | 10 |
| **21 oo** | 95958 | 17871 | 82129 | 78086 | **79 oo** |
| 10 | 96128 | 18069 | 81931 | 78059 | 90 |
| 20 | 96299 | 18267 | 81733 | 78032 | 80 |
| 30 | 96470 | 18465 | 81535 | 78004 | 70 |
| 40 | 96640 | 18663 | 81337 | 77977 | 60 |
| 50 | 96811 | 18861 | 81139 | 77950 | 50 |
| 60 | 96981 | 19059 | 80941 | 77923 | 40 |
| 70 | 97152 | 19257 | 80743 | 77895 | 30 |
| 80 | 97323 | 19455 | 80545 | 77868 | 20 |
| 90 | 97493 | 19653 | 80347 | 77841 | 10 |
| **22 oo** | 97664 | 19850 | 80150 | 77813 | **78 oo** |
| 10 | 97834 | 20048 | 79952 | 77786 | 90 |
| 20 | 98005 | 20246 | 79754 | 77759 | 80 |
| 30 | 98176 | 20444 | 79556 | 77732 | 70 |
| 40 | 98346 | 20642 | 79358 | 77704 | 60 |
| 50 | 98517 | 20840 | 79160 | 77677 | 50 |
| 60 | 98687 | 21037 | 78963 | 77650 | 40 |
| 70 | 98858 | 21235 | 78765 | 77622 | 30 |
| 80 | 99028 | 21433 | 78567 | 77595 | 20 |
| 90 | 99199 | 21631 | 78369 | 77568 | 10 |
| **23 oo** | 99369 | 21829 | 78171 | 77541 | **77 oo** |
| 10 | 99540 | 22026 | 77974 | 77513 | 90 |
| 20 | 99710 | 22224 | 77776 | 77486 | 80 |
| 30 | 99881 | 22422 | 77578 | 77459 | 70 |
| 40 | *00051 | 22620 | 77380 | 77431 | 60 |
| 50 | *00222 | 22818 | 77182 | 77404 | 50 |
| 60 | *00392 | 23015 | 76985 | 77377 | 40 |
| 70 | *00563 | 23213 | 76787 | 77349 | 30 |
| 80 | *00733 | 23411 | 76589 | 77322 | 20 |
| 90 | *00903 | 23609 | 76391 | 77295 | 10 |
| **24 oo** | *01074 | 23806 | 76194 | 77268 | **76 oo** |
| 10 | *01244 | 24004 | 75996 | 77240 | 90 |
| 20 | *01415 | 24202 | 75798 | 77213 | 80 |
| 30 | *01585 | 24399 | 75601 | 77186 | 70 |
| 40 | *01755 | 24597 | 75403 | 77158 | 60 |
| 50 | *01926 | 24795 | 75205 | 77131 | 50 |
| 60 | *02096 | 24993 | 75007 | 77104 | 40 |
| 70 | *02267 | 25190 | 74810 | 77076 | 30 |
| 80 | *02437 | 25388 | 74612 | 77049 | 20 |
| 90 | *02607 | 25586 | 74414 | 77022 | 10 |
| **25 oo** | *02778 | 25783 | 74217 | 76994 | **75 oo** |
| | ***9.57** | **9.60** | **0.39** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 170 | 197 | 197 | 28 | |

| 24g | 171 | 198 | 198 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.57** | **9.60** | **0.39** | **9.96** | |
| **25 oo** | 02778 | 25783 | 74217 | 76994 | **75 oo** |
| 10 | 02948 | 25981 | 74019 | 76967 | 90 |
| 20 | 03118 | 26179 | 73821 | 76940 | 80 |
| 30 | 03289 | 26376 | 73624 | 76912 | 70 |
| 40 | 03459 | 26574 | 73426 | 76885 | 60 |
| 50 | 03629 | 26771 | 73229 | 76858 | 50 |
| 60 | 03800 | 26969 | 73031 | 76830 | 40 |
| 70 | 03970 | 27167 | 72833 | 76803 | 30 |
| 80 | 04140 | 27364 | 72636 | 76776 | 20 |
| 90 | 04310 | 27562 | 72438 | 76748 | 10 |
| **26 oo** | 04481 | 27760 | 72240 | 76721 | **74 oo** |
| 10 | 04651 | 27957 | 72043 | 76694 | 90 |
| 20 | 04821 | 28155 | 71845 | 76666 | 80 |
| 30 | 04991 | 28352 | 71648 | 76639 | 70 |
| 40 | 05162 | 28550 | 71450 | 76612 | 60 |
| 50 | 05332 | 28747 | 71253 | 76584 | 50 |
| 60 | 05502 | 28945 | 71055 | 76557 | 40 |
| 70 | 05672 | 29143 | 70857 | 76530 | 30 |
| 80 | 05843 | 29340 | 70660 | 76502 | 20 |
| 90 | 06013 | 29538 | 70462 | 76475 | 10 |
| **27 oo** | 06183 | 29735 | 70265 | 76448 | **73 oo** |
| 10 | 06353 | 29933 | 70067 | 76420 | 90 |
| 20 | 06523 | 30130 | 69870 | 76393 | 80 |
| 30 | 06693 | 30328 | 69672 | 76366 | 70 |
| 40 | 06864 | 30525 | 69475 | 76338 | 60 |
| 50 | 07034 | 30723 | 69277 | 76311 | 50 |
| 60 | 07204 | 30920 | 69080 | 76284 | 40 |
| 70 | 07374 | 31118 | 68882 | 76256 | 30 |
| 80 | 07544 | 31315 | 68685 | 76229 | 20 |
| 90 | 07714 | 31513 | 68487 | 76202 | 10 |
| **28 oo** | 07884 | 31710 | 68290 | 76174 | **72 oo** |
| 10 | 08055 | 31908 | 68092 | 76147 | 90 |
| 20 | 08225 | 32105 | 67895 | 76119 | 80 |
| 30 | 08395 | 32303 | 67697 | 76092 | 70 |
| 40 | 08565 | 32500 | 67500 | 76065 | 60 |
| 50 | 08735 | 32697 | 67303 | 76037 | 50 |
| 60 | 08905 | 32895 | 67105 | 76010 | 40 |
| 70 | 09075 | 33092 | 66908 | 75983 | 30 |
| 80 | 09245 | 33290 | 66710 | 75955 | 20 |
| 90 | 09415 | 33487 | 66513 | 75928 | 10 |
| **29 oo** | 09585 | 33685 | 66315 | 75901 | **71 oo** |
| 10 | 09755 | 33882 | 66118 | 75873 | 90 |
| 20 | 09925 | 34079 | 65921 | 75846 | 80 |
| 30 | 10095 | 34277 | 65723 | 75818 | 70 |
| 40 | 10265 | 34474 | 65526 | 75791 | 60 |
| 50 | 10435 | 34672 | 65328 | 75764 | 50 |
| 60 | 10605 | 34869 | 65131 | 75736 | 40 |
| 70 | 10775 | 35066 | 64934 | 75709 | 30 |
| 80 | 10945 | 35264 | 64736 | 75682 | 20 |
| 90 | 11115 | 35461 | 64539 | 75654 | 10 |
| **30 oo** | 11285 | 35658 | 64342 | 75627 | **70 oo** |
| | **9.57** | **9.60** | **0.39** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 170 | 197 | 197 | 28 | |

| | 198 | 197 | 171 | 170 | 28 | 27 | |
|---|---|---|---|---|---|---|---|
| 1 | 19,8 | 19,7 | 17,1 | 17,0 | 2,8 | 2,7 | 1 |
| 2 | 39,6 | 39,4 | 34,2 | 34,0 | 5,6 | 5,4 | 2 |
| 3 | 59,4 | 59,1 | 51,3 | 51,0 | 8,4 | 8,1 | 3 |
| 4 | 79,2 | 78,8 | 68,4 | 68,0 | 11,2 | 10,8 | 4 |
| 5 | 99,0 | 98,5 | 85,5 | 85,0 | 14,0 | 13,5 | 5 |
| 6 | 118,8 | 118,2 | 102,6 | 102,0 | 16,8 | 16,2 | 6 |
| 7 | 138,6 | 137,9 | 119,7 | 119,0 | 19,6 | 18,9 | 7 |
| 8 | 158,4 | 157,6 | 136,8 | 136,0 | 22,4 | 21,6 | 8 |
| 9 | 178,2 | 177,3 | 153,9 | 153,0 | 25,2 | 24,3 | 9 |

| 24g | 170 | 198 | 198 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.57** | **9.60** | **0.39** | **9.96** | |
| **30 oo** | 11285 | 35658 | 64342 | 75627 | **70 oo** |
| 10 | 11455 | 35856 | 64144 | 75599 | 90 |
| 20 | 11625 | 36053 | 63947 | 75572 | 80 |
| 30 | 11795 | 36250 | 63750 | 75545 | 70 |
| 40 | 11965 | 36448 | 63552 | 75517 | 60 |
| 50 | 12135 | 36645 | 63355 | 75490 | 50 |
| 60 | 12305 | 36842 | 63158 | 75462 | 40 |
| 70 | 12475 | 37040 | 62960 | 75435 | 30 |
| 80 | 12645 | 37237 | 62763 | 75408 | 20 |
| 90 | 12814 | 37434 | 62566 | 75380 | 10 |
| **31 oo** | 12984 | 37631 | 62369 | 75353 | **69 oo** |
| 10 | 13154 | 37829 | 62171 | 75326 | 90 |
| 20 | 13324 | 38026 | 61974 | 75298 | 80 |
| 30 | 13494 | 38223 | 61777 | 75271 | 70 |
| 40 | 13664 | 38420 | 61580 | 75243 | 60 |
| 50 | 13834 | 38618 | 61382 | 75216 | 50 |
| 60 | 14003 | 38815 | 61185 | 75189 | 40 |
| 70 | 14173 | 39012 | 60988 | 75161 | 30 |
| 80 | 14343 | 39209 | 60791 | 75134 | 20 |
| 90 | 14513 | 39407 | 60593 | 75106 | 10 |
| **32 oo** | 14683 | 39604 | 60396 | 75079 | **68 oo** |
| 10 | 14853 | 39801 | 60199 | 75052 | 90 |
| 20 | 15022 | 39998 | 60002 | 75024 | 80 |
| 30 | 15192 | 40195 | 59805 | 74997 | 70 |
| 40 | 15362 | 40393 | 59607 | 74969 | 60 |
| 50 | 15532 | 40590 | 59410 | 74942 | 50 |
| 60 | 15701 | 40787 | 59213 | 74914 | 40 |
| 70 | 15871 | 40984 | 59016 | 74887 | 30 |
| 80 | 16041 | 41181 | 58819 | 74860 | 20 |
| 90 | 16211 | 41378 | 58622 | 74832 | 10 |
| **33 oo** | 16380 | 41576 | 58424 | 74805 | **67 oo** |
| 10 | 16550 | 41773 | 58227 | 74777 | 90 |
| 20 | 16720 | 41970 | 58030 | 74750 | 80 |
| 30 | 16889 | 42167 | 57833 | 74723 | 70 |
| 40 | 17059 | 42364 | 57636 | 74695 | 60 |
| 50 | 17229 | 42561 | 57439 | 74668 | 50 |
| 60 | 17399 | 42758 | 57242 | 74640 | 40 |
| 70 | 17568 | 42955 | 57045 | 74613 | 30 |
| 80 | 17738 | 43153 | 56847 | 74585 | 20 |
| 90 | 17908 | 43350 | 56650 | 74558 | 10 |
| **34 oo** | 18077 | 43547 | 56453 | 74531 | **66 oo** |
| 10 | 18247 | 43744 | 56256 | 74503 | 90 |
| 20 | 18417 | 43941 | 56059 | 74476 | 80 |
| 30 | 18586 | 44138 | 55862 | 74448 | 70 |
| 40 | 18756 | 44335 | 55665 | 74421 | 60 |
| 50 | 18925 | 44532 | 55468 | 74393 | 50 |
| 60 | 19095 | 44729 | 55271 | 74366 | 40 |
| 70 | 19265 | 44926 | 55074 | 74338 | 30 |
| 80 | 19434 | 45123 | 54877 | 74311 | 20 |
| 90 | 19604 | 45320 | 54680 | 74284 | 10 |
| **35 oo** | 19773 | 45517 | 54483 | 74256 | **65 oo** |
| | **9.57** | **9.60** | **0.39** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 169 | 197 | 197 | 28 | |

| 24g | 170 | 197 | 197 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.57** | **9.60** | **0.39** | **9.96** | |
| **35 oo** | 19773 | 45517 | 54483 | 74256 | **65 oo** |
| 10 | 19943 | 45714 | 54286 | 74229 | 90 |
| 20 | 20112 | 45911 | 54089 | 74201 | 80 |
| 30 | 20282 | 46108 | 53892 | 74174 | 70 |
| 40 | 20452 | 46305 | 53695 | 74146 | 60 |
| 50 | 20621 | 46502 | 53498 | 74119 | 50 |
| 60 | 20791 | 46699 | 53301 | 74091 | 40 |
| 70 | 20960 | 46896 | 53104 | 74064 | 30 |
| 80 | 21130 | 47093 | 52907 | 74037 | 20 |
| 90 | 21299 | 47290 | 52710 | 74009 | 10 |
| **36 oo** | 21469 | 47487 | 52513 | 73982 | **64 oo** |
| 10 | 21638 | 47684 | 52316 | 73954 | 90 |
| 20 | 21808 | 47881 | 52119 | 73927 | 80 |
| 30 | 21977 | 48078 | 51922 | 73899 | 70 |
| 40 | 22147 | 48275 | 51725 | 73872 | 60 |
| 50 | 22316 | 48472 | 51528 | 73844 | 50 |
| 60 | 22485 | 48669 | 51331 | 73817 | 40 |
| 70 | 22655 | 48866 | 51134 | 73789 | 30 |
| 80 | 22824 | 49062 | 50938 | 73762 | 20 |
| 90 | 22994 | 49259 | 50741 | 73734 | 10 |
| **37 oo** | 23163 | 49456 | 50544 | 73707 | **63 oo** |
| 10 | 23333 | 49653 | 50347 | 73680 | 90 |
| 20 | 23502 | 49850 | 50150 | 73652 | 80 |
| 30 | 23671 | 50047 | 49953 | 73625 | 70 |
| 40 | 23841 | 50244 | 49756 | 73597 | 60 |
| 50 | 24010 | 50441 | 49559 | 73570 | 50 |
| 60 | 24180 | 50637 | 49363 | 73542 | 40 |
| 70 | 24349 | 50834 | 49166 | 73515 | 30 |
| 80 | 24518 | 51031 | 48969 | 73487 | 20 |
| 90 | 24688 | 51228 | 48772 | 73460 | 10 |
| **38 oo** | 24857 | 51425 | 48575 | 73432 | **62 oo** |
| 10 | 25026 | 51622 | 48378 | 73405 | 90 |
| 20 | 25196 | 51818 | 48182 | 73377 | 80 |
| 30 | 25365 | 52015 | 47985 | 73350 | 70 |
| 40 | 25534 | 52212 | 47788 | 73322 | 60 |
| 50 | 25704 | 52409 | 47591 | 73295 | 50 |
| 60 | 25873 | 52606 | 47394 | 73267 | 40 |
| 70 | 26042 | 52802 | 47198 | 73240 | 30 |
| 80 | 26211 | 52999 | 47001 | 73212 | 20 |
| 90 | 26381 | 53196 | 46804 | 73185 | 10 |
| **39 oo** | 26550 | 53393 | 46607 | 73157 | **61 oo** |
| 10 | 26719 | 53589 | 46411 | 73130 | 90 |
| 20 | 26889 | 53786 | 46214 | 73102 | 80 |
| 30 | 27058 | 53983 | 46017 | 73075 | 70 |
| 40 | 27227 | 54180 | 45820 | 73047 | 60 |
| 50 | 27396 | 54376 | 45624 | 73020 | 50 |
| 60 | 27565 | 54573 | 45427 | 72992 | 40 |
| 70 | 27735 | 54770 | 45230 | 72965 | 30 |
| 80 | 27904 | 54967 | 45033 | 72937 | 20 |
| 90 | 28073 | 55163 | 44837 | 72910 | 10 |
| **40 oo** | 28242 | 55360 | 44640 | 72882 | **60 oo** |
| | **9.57** | **9.60** | **0.39** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 169 | 196 | 196 | 28 | |

| | 198 | 197 | 196 | 170 | 169 | 28 | 27 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 19,8 | 19,7 | 19,6 | 17,0 | 16,9 | 2,8 | 2,7 | 1 |
| 2 | 39,6 | 39,4 | 39,2 | 34,0 | 33,8 | 5,6 | 5,4 | 2 |
| 3 | 59,4 | 59,1 | 58,8 | 51,0 | 50,7 | 8,4 | 8,1 | 3 |
| 4 | 79,2 | 78,8 | 78,4 | 68,0 | 67,6 | 11,2 | 10,8 | 4 |
| 5 | 99,0 | 98,5 | 98,0 | 85,0 | 84,5 | 14,0 | 13,5 | 5 |
| 6 | 118,8 | 118,2 | 117,6 | 102,0 | 101,4 | 16,8 | 16,2 | 6 |
| 7 | 138,6 | 137,9 | 137,2 | 119,0 | 118,3 | 19,6 | 18,9 | 7 |
| 8 | 158,4 | 157,6 | 156,8 | 136,0 | 135,2 | 22,4 | 21,6 | 8 |
| 9 | 178,2 | 177,3 | 176,4 | 153,0 | 152,1 | 25,2 | 24,3 | 9 |

| 24g | 170 | 197 | 197 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.57** | **9.60** | **0.39** | **9.96** | |
| **40 oo** | 28242 | 55360 | 44640 | 72882 | **60 oo** |
| 10 | 28411 | 55557 | 44443 | 72855 | 90 |
| 20 | 28581 | 55753 | 44247 | 72827 | 80 |
| 30 | 28750 | 55950 | 44050 | 72800 | 70 |
| 40 | 28919 | 56147 | 43853 | 72772 | 60 |
| 50 | 29088 | 56343 | 43657 | 72745 | 50 |
| 60 | 29257 | 56540 | 43460 | 72717 | 40 |
| 70 | 29426 | 56737 | 43263 | 72690 | 30 |
| 80 | 29596 | 56933 | 43067 | 72662 | 20 |
| 90 | 29765 | 57130 | 42870 | 72635 | 10 |
| **41 oo** | 29934 | 57327 | 42673 | 72607 | **59 oo** |
| 10 | 30103 | 57523 | 42477 | 72580 | 90 |
| 20 | 30272 | 57720 | 42280 | 72552 | 80 |
| 30 | 30441 | 57916 | 42084 | 72525 | 70 |
| 40 | 30610 | 58113 | 41887 | 72497 | 60 |
| 50 | 30779 | 58310 | 41690 | 72470 | 50 |
| 60 | 30948 | 58506 | 41494 | 72442 | 40 |
| 70 | 31117 | 58703 | 41297 | 72415 | 30 |
| 80 | 31286 | 58899 | 41101 | 72387 | 20 |
| 90 | 31455 | 59096 | 40904 | 72360 | 10 |
| **42 oo** | 31625 | 59293 | 40707 | 72332 | **58 oo** |
| 10 | 31794 | 59489 | 40511 | 72304 | 90 |
| 20 | 31963 | 59686 | 40314 | 72277 | 80 |
| 30 | 32132 | 59882 | 40118 | 72249 | 70 |
| 40 | 32301 | 60079 | 39921 | 72222 | 60 |
| 50 | 32470 | 60275 | 39725 | 72194 | 50 |
| 60 | 32639 | 60472 | 39528 | 72167 | 40 |
| 70 | 32808 | 60668 | 39332 | 72139 | 30 |
| 80 | 32977 | 60865 | 39135 | 72112 | 20 |
| 90 | 33146 | 61061 | 38939 | 72084 | 10 |
| **43 oo** | 33314 | 61258 | 38742 | 72057 | **57 oo** |
| 10 | 33483 | 61454 | 38546 | 72029 | 90 |
| 20 | 33652 | 61651 | 38349 | 72002 | 80 |
| 30 | 33821 | 61847 | 38153 | 71974 | 70 |
| 40 | 33990 | 62044 | 37956 | 71946 | 60 |
| 50 | 34159 | 62240 | 37760 | 71919 | 50 |
| 60 | 34328 | 62437 | 37563 | 71891 | 40 |
| 70 | 34497 | 62633 | 37367 | 71864 | 30 |
| 80 | 34666 | 62830 | 37170 | 71836 | 20 |
| 90 | 34835 | 63026 | 36974 | 71809 | 10 |
| **44 oo** | 35004 | 63223 | 36777 | 71781 | **56 oo** |
| 10 | 35173 | 63419 | 36581 | 71754 | 90 |
| 20 | 35341 | 63615 | 36385 | 71726 | 80 |
| 30 | 35510 | 63812 | 36188 | 71698 | 70 |
| 40 | 35679 | 64008 | 35992 | 71671 | 60 |
| 50 | 35848 | 64205 | 35795 | 71643 | 50 |
| 60 | 36017 | 64401 | 35599 | 71616 | 40 |
| 70 | 36186 | 64597 | 35403 | 71588 | 30 |
| 80 | 36354 | 64794 | 35206 | 71561 | 20 |
| 90 | 36523 | 64990 | 35010 | 71533 | 10 |
| **45 oo** | 36692 | 65187 | 34813 | 71505 | **55 oo** |
| | **9.57** | **9.60** | **0.39** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 168 | 196 | 196 | 28 | |

| 24g | 169 | 197 | 197 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.57** | **9.60** | **0.39** | **9.96** | |
| **45 oo** | 36692 | 65187 | 34813 | 71505 | **55 oo** |
| 10 | 36861 | 65383 | 34617 | 71478 | 90 |
| 20 | 37030 | 65579 | 34421 | 71450 | 80 |
| 30 | 37198 | 65776 | 34224 | 71423 | 70 |
| 40 | 37367 | 65972 | 34028 | 71395 | 60 |
| 50 | 37536 | 66168 | 33832 | 71368 | 50 |
| 60 | 37705 | 66365 | 33635 | 71340 | 40 |
| 70 | 37874 | 66561 | 33439 | 71312 | 30 |
| 80 | 38042 | 66757 | 33243 | 71285 | 20 |
| 90 | 38211 | 66954 | 33046 | 71257 | 10 |
| **46 oo** | 38380 | 67150 | 32850 | 71230 | **54 oo** |
| 10 | 38548 | 67346 | 32654 | 71202 | 90 |
| 20 | 38717 | 67543 | 32457 | 71175 | 80 |
| 30 | 38886 | 67739 | 32261 | 71147 | 70 |
| 40 | 39055 | 67935 | 32065 | 71119 | 60 |
| 50 | 39223 | 68132 | 31868 | 71092 | 50 |
| 60 | 39392 | 68328 | 31672 | 71064 | 40 |
| 70 | 39561 | 68524 | 31476 | 71037 | 30 |
| 80 | 39729 | 68720 | 31280 | 71009 | 20 |
| 90 | 39898 | 68917 | 31083 | 70981 | 10 |
| **47 oo** | 40067 | 69113 | 30887 | 70954 | **53 oo** |
| 10 | 40235 | 69309 | 30691 | 70926 | 90 |
| 20 | 40404 | 69505 | 30495 | 70899 | 80 |
| 30 | 40573 | 69702 | 30298 | 70871 | 70 |
| 40 | 40741 | 69898 | 30102 | 70843 | 60 |
| 50 | 40910 | 70094 | 29906 | 70816 | 50 |
| 60 | 41078 | 70290 | 29710 | 70788 | 40 |
| 70 | 41247 | 70486 | 29514 | 70761 | 30 |
| 80 | 41416 | 70683 | 29317 | 70733 | 20 |
| 90 | 41584 | 70879 | 29121 | 70705 | 10 |
| **48 oo** | 41753 | 71075 | 28925 | 70678 | **52 oo** |
| 10 | 41921 | 71271 | 28729 | 70650 | 90 |
| 20 | 42090 | 71467 | 28533 | 70623 | 80 |
| 30 | 42259 | 71664 | 28336 | 70595 | 70 |
| 40 | 42427 | 71860 | 28140 | 70567 | 60 |
| 50 | 42596 | 72056 | 27944 | 70540 | 50 |
| 60 | 42764 | 72252 | 27748 | 70512 | 40 |
| 70 | 42933 | 72448 | 27552 | 70485 | 30 |
| 80 | 43101 | 72644 | 27356 | 70457 | 20 |
| 90 | 43270 | 72840 | 27160 | 70429 | 10 |
| **49 oo** | 43438 | 73036 | 26964 | 70402 | **51 oo** |
| 10 | 43607 | 73233 | 26767 | 70374 | 90 |
| 20 | 43775 | 73429 | 26571 | 70346 | 80 |
| 30 | 43944 | 73625 | 26375 | 70319 | 70 |
| 40 | 44112 | 73821 | 26179 | 70291 | 60 |
| 50 | 44281 | 74017 | 25983 | 70264 | 50 |
| 60 | 44449 | 74213 | 25787 | 70236 | 40 |
| 70 | 44618 | 74409 | 25591 | 70208 | 30 |
| 80 | 44786 | 74605 | 25395 | 70181 | 20 |
| 90 | 44954 | 74801 | 25199 | 70153 | 10 |
| **50 oo** | 45123 | 74997 | 25003 | 70125 | **50 oo** |
| | **9.57** | **9.60** | **0.39** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 168 | 196 | 196 | 28 | |

| | 197 | 196 | 170 | 169 | 168 | 28 | 27 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 19,7 | 19,6 | 17,0 | 16,9 | 16,8 | 2,8 | 2,7 | 1 |
| 2 | 39,4 | 39,2 | 34,0 | 33,8 | 33,6 | 5,6 | 5,4 | 2 |
| 3 | 59,1 | 58,8 | 51,0 | 50,7 | 50,4 | 8,4 | 8,1 | 3 |
| 4 | 78,8 | 78,4 | 68,0 | 67,6 | 67,2 | 11,2 | 10,8 | 4 |
| 5 | 98,5 | 98,0 | 85,0 | 84,5 | 84,0 | 14,0 | 13,5 | 5 |
| 6 | 118,2 | 117,6 | 102,0 | 101,4 | 100,8 | 16,8 | 16,2 | 6 |
| 7 | 137,9 | 137,2 | 119,0 | 118,3 | 117,6 | 19,6 | 18,9 | 7 |
| 8 | 157,6 | 156,8 | 136,0 | 135,2 | 134,4 | 22,4 | 21,6 | 8 |
| 9 | 177,3 | 176,4 | 153,0 | 152,1 | 151,2 | 25,2 | 24,3 | 9 |

| 24g | 169 | 197 | 197 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.57** | **9.60** | **0.39** | **9.96** | |
| **50 oo** | 45123 | 74997 | 25003 | 70125 | **50 oo** |
| 10 | 45291 | 75193 | 24807 | 70098 | 90 |
| 20 | 45460 | 75389 | 24611 | 70070 | 80 |
| 30 | 45628 | 75586 | 24414 | 70043 | 70 |
| 40 | 45796 | 75782 | 24218 | 70015 | 60 |
| 50 | 45965 | 75978 | 24022 | 69987 | 50 |
| 60 | 46133 | 76174 | 23826 | 69960 | 40 |
| 70 | 46302 | 76370 | 23630 | 69932 | 30 |
| 80 | 46470 | 76566 | 23434 | 69904 | 20 |
| 90 | 46638 | 76762 | 23238 | 69877 | 10 |
| **51 oo** | 46807 | 76958 | 23042 | 69849 | **49 oo** |
| 10 | 46975 | 77154 | 22846 | 69821 | 90 |
| 20 | 47143 | 77350 | 22650 | 69794 | 80 |
| 30 | 47312 | 77546 | 22454 | 69766 | 70 |
| 40 | 47480 | 77742 | 22258 | 69738 | 60 |
| 50 | 47648 | 77937 | 22063 | 69711 | 50 |
| 60 | 47817 | 78133 | 21867 | 69683 | 40 |
| 70 | 47985 | 78329 | 21671 | 69656 | 30 |
| 80 | 48153 | 78525 | 21475 | 69628 | 20 |
| 90 | 48322 | 78721 | 21279 | 69600 | 10 |
| **52 oo** | 48490 | 78917 | 21083 | 69573 | **48 oo** |
| 10 | 48658 | 79113 | 20887 | 69545 | 90 |
| 20 | 48826 | 79309 | 20691 | 69517 | 80 |
| 30 | 48995 | 79505 | 20495 | 69490 | 70 |
| 40 | 49163 | 79701 | 20299 | 69462 | 60 |
| 50 | 49331 | 79897 | 20103 | 69434 | 50 |
| 60 | 49499 | 80093 | 19907 | 69407 | 40 |
| 70 | 49668 | 80289 | 19711 | 69379 | 30 |
| 80 | 49836 | 80484 | 19516 | 69351 | 20 |
| 90 | 50004 | 80680 | 19320 | 69324 | 10 |
| **53 oo** | 50172 | 80876 | 19124 | 69296 | **47 oo** |
| 10 | 50340 | 81072 | 18928 | 69268 | 90 |
| 20 | 50509 | 81268 | 18732 | 69241 | 80 |
| 30 | 50677 | 81464 | 18536 | 69213 | 70 |
| 40 | 50845 | 81660 | 18340 | 69185 | 60 |
| 50 | 51013 | 81855 | 18145 | 69158 | 50 |
| 60 | 51181 | 82051 | 17949 | 69130 | 40 |
| 70 | 51349 | 82247 | 17753 | 69102 | 30 |
| 80 | 51517 | 82443 | 17557 | 69075 | 20 |
| 90 | 51686 | 82639 | 17361 | 69047 | 10 |
| **54 oo** | 51854 | 82835 | 17165 | 69019 | **46 oo** |
| 10 | 52022 | 83030 | 16970 | 68992 | 90 |
| 20 | 52190 | 83226 | 16774 | 68964 | 80 |
| 30 | 52358 | 83422 | 16578 | 68936 | 70 |
| 40 | 52526 | 83618 | 16382 | 68908 | 60 |
| 50 | 52694 | 83813 | 16187 | 68881 | 50 |
| 60 | 52862 | 84009 | 15991 | 68853 | 40 |
| 70 | 53030 | 84205 | 15795 | 68825 | 30 |
| 80 | 53198 | 84401 | 15599 | 68798 | 20 |
| 90 | 53366 | 84596 | 15404 | 68770 | 10 |
| **55 oo** | 53535 | 84792 | 15208 | 68742 | **45 oo** |
| | **9.57** | **9.60** | **0.39** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 168 | 195 | 195 | 28 | |

| 24g | 168 | 196 | 196 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.57** | **9.60** | **0.39** | **9.96** | |
| **55 oo** | 53535 | 84792 | 15208 | 68742 | **45 oo** |
| 10 | 53703 | 84988 | 15012 | 68715 | 90 |
| 20 | 53871 | 85184 | 14816 | 68687 | 80 |
| 30 | 54039 | 85379 | 14621 | 68659 | 70 |
| 40 | 54207 | 85575 | 14425 | 68632 | 60 |
| 50 | 54375 | 85771 | 14229 | 68604 | 50 |
| 60 | 54543 | 85967 | 14033 | 68576 | 40 |
| 70 | 54711 | 86162 | 13838 | 68548 | 30 |
| 80 | 54879 | 86358 | 13642 | 68521 | 20 |
| 90 | 55047 | 86554 | 13446 | 68493 | 10 |
| **56 oo** | 55215 | 86749 | 13251 | 68465 | **44 oo** |
| 10 | 55383 | 86945 | 13055 | 68438 | 90 |
| 20 | 55551 | 87141 | 12859 | 68410 | 80 |
| 30 | 55718 | 87336 | 12664 | 68382 | 70 |
| 40 | 55886 | 87532 | 12468 | 68354 | 60 |
| 50 | 56054 | 87728 | 12272 | 68327 | 50 |
| 60 | 56222 | 87923 | 12077 | 68299 | 40 |
| 70 | 56390 | 88119 | 11881 | 68271 | 30 |
| 80 | 56558 | 88314 | 11686 | 68244 | 20 |
| 90 | 56726 | 88510 | 11490 | 68216 | 10 |
| **57 oo** | 56894 | 88706 | 11294 | 68188 | **43 oo** |
| 10 | 57062 | 88901 | 11099 | 68160 | 90 |
| 20 | 57230 | 89097 | 10903 | 68133 | 80 |
| 30 | 57398 | 89293 | 10707 | 68105 | 70 |
| 40 | 57565 | 89488 | 10512 | 68077 | 60 |
| 50 | 57733 | 89684 | 10316 | 68050 | 50 |
| 60 | 57901 | 89879 | 10121 | 68022 | 40 |
| 70 | 58069 | 90075 | 09925 | 67994 | 30 |
| 80 | 58237 | 90270 | 09730 | 67966 | 20 |
| 90 | 58405 | 90466 | 09534 | 67939 | 10 |
| **58 oo** | 58572 | 90662 | 09338 | 67911 | **42 oo** |
| 10 | 58740 | 90857 | 09143 | 67883 | 90 |
| 20 | 58908 | 91053 | 08947 | 67855 | 80 |
| 30 | 59076 | 91248 | 08752 | 67828 | 70 |
| 40 | 59244 | 91444 | 08556 | 67800 | 60 |
| 50 | 59411 | 91639 | 08361 | 67772 | 50 |
| 60 | 59579 | 91835 | 08165 | 67745 | 40 |
| 70 | 59747 | 92030 | 07970 | 67717 | 30 |
| 80 | 59915 | 92226 | 07774 | 67689 | 20 |
| 90 | 60083 | 92421 | 07579 | 67661 | 10 |
| **59 oo** | 60250 | 92617 | 07383 | 67634 | **41 oo** |
| 10 | 60418 | 92812 | 07188 | 67606 | 90 |
| 20 | 60586 | 93008 | 06992 | 67578 | 80 |
| 30 | 60753 | 93203 | 06797 | 67550 | 70 |
| 40 | 60921 | 93399 | 06601 | 67523 | 60 |
| 50 | 61089 | 93594 | 06406 | 67495 | 50 |
| 60 | 61257 | 93790 | 06210 | 67467 | 40 |
| 70 | 61424 | 93985 | 06015 | 67439 | 30 |
| 80 | 61592 | 94180 | 05820 | 67412 | 20 |
| 90 | 61760 | 94376 | 05624 | 67384 | 10 |
| **60 oo** | 61927 | 94571 | 05429 | 67356 | **40 oo** |
| | **9.57** | **9.60** | **0.39** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 167 | 195 | 195 | 28 | |

| | 197 | 196 | 195 | 169 | 168 | 167 | 28 | 27 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19,7 | 19,6 | 19,5 | 16,9 | 16,8 | 16,7 | 2,8 | 2,7 | 1 |
| 2 | 39,4 | 39,2 | 39,0 | 33,8 | 33,6 | 33,4 | 5,6 | 5,4 | 2 |
| 3 | 59,1 | 58,8 | 58,5 | 50,7 | 50,4 | 50,1 | 8,4 | 8,1 | 3 |
| 4 | 78,8 | 78,4 | 78,0 | 67,6 | 67,2 | 66,8 | 11,2 | 10,8 | 4 |
| 5 | 98,5 | 98,0 | 97,5 | 84,5 | 84,0 | 83,5 | 14,0 | 13,5 | 5 |
| 6 | 118,2 | 117,6 | 117,0 | 101,4 | 100,8 | 100,2 | 16,8 | 16,2 | 6 |
| 7 | 137,9 | 137,2 | 136,5 | 118,3 | 117,6 | 116,9 | 19,6 | 18,9 | 7 |
| 8 | 157,6 | 156,8 | 156,0 | 135,2 | 134,4 | 133,6 | 22,4 | 21,6 | 8 |
| 9 | 177,3 | 176,4 | 175,5 | 152,1 | 151,2 | 150,3 | 25,2 | 24,3 | 9 |

| 24g | 168 | 196 | 196 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.57** | **9.60** | **0.39** | **9.96** | |
| **60 oo** | 61927 | 94571 | 05429 | 67356 | **40 oo** |
| 10 | 62095 | 94767 | 05233 | 67328 | 90 |
| 20 | 62263 | 94962 | 05038 | 67301 | 80 |
| 30 | 62430 | 95157 | 04843 | 67273 | 70 |
| 40 | 62598 | 95353 | 04647 | 67245 | 60 |
| 50 | 62766 | 95548 | 04452 | 67217 | 50 |
| 60 | 62933 | 95744 | 04256 | 67190 | 40 |
| 70 | 63101 | 95939 | 04061 | 67162 | 30 |
| 80 | 63268 | 96134 | 03866 | 67134 | 20 |
| 90 | 63436 | 96330 | 03670 | 67106 | 10 |
| **61 oo** | 63604 | 96525 | 03475 | 67078 | **39 oo** |
| 10 | 63771 | 96721 | 03279 | 67051 | 90 |
| 20 | 63939 | 96916 | 03084 | 67023 | 80 |
| 30 | 64106 | 97111 | 02889 | 66995 | 70 |
| 40 | 64274 | 97307 | 02693 | 66967 | 60 |
| 50 | 64441 | 97502 | 02498 | 66940 | 50 |
| 60 | 64609 | 97697 | 02303 | 66912 | 40 |
| 70 | 64777 | 97893 | 02107 | 66884 | 30 |
| 80 | 64944 | 98088 | 01912 | 66856 | 20 |
| 90 | 65112 | 98283 | 01717 | 66828 | 10 |
| **62 oo** | 65279 | 98478 | 01522 | 66801 | **38 oo** |
| 10 | 65447 | 98674 | 01326 | 66773 | 90 |
| 20 | 65614 | 98869 | 01131 | 66745 | 80 |
| 30 | 65782 | 99064 | 00936 | 66717 | 70 |
| 40 | 65949 | 99260 | 00740 | 66690 | 60 |
| 50 | 66117 | 99455 | 00545 | 66662 | 50 |
| 60 | 66284 | 99650 | 00350 | 66634 | 40 |
| 70 | 66452 | 99845 | 00155 | 66606 | 30 |
| 80 | 66619 | ∗00041 | ∗99959 | 66578 | 20 |
| 90 | 66786 | ∗00236 | ∗99764 | 66551 | 10 |
| **63 oo** | 66954 | ∗00431 | ∗99569 | 66523 | **37 oo** |
| 10 | 67121 | ∗00626 | ∗99374 | 66495 | 90 |
| 20 | 67289 | ∗00822 | ∗99178 | 66467 | 80 |
| 30 | 67456 | ∗01017 | ∗98983 | 66439 | 70 |
| 40 | 67624 | ∗01212 | ∗98788 | 66412 | 60 |
| 50 | 67791 | ∗01407 | ∗98593 | 66384 | 50 |
| 60 | 67958 | ∗01602 | ∗98398 | 66356 | 40 |
| 70 | 68126 | ∗01798 | ∗98202 | 66328 | 30 |
| 80 | 68293 | ∗01993 | ∗98007 | 66300 | 20 |
| 90 | 68461 | ∗02188 | ∗97812 | 66273 | 10 |
| **64 oo** | 68628 | ∗02383 | ∗97617 | 66245 | **36 oo** |
| 10 | 68795 | ∗02578 | ∗97422 | 66217 | 90 |
| 20 | 68963 | ∗02773 | ∗97227 | 66189 | 80 |
| 30 | 69130 | ∗02969 | ∗97031 | 66161 | 70 |
| 40 | 69297 | ∗03164 | ∗96836 | 66134 | 60 |
| 50 | 69465 | ∗03359 | ∗96641 | 66106 | 50 |
| 60 | 69632 | ∗03554 | ∗96446 | 66078 | 40 |
| 70 | 69799 | ∗03749 | ∗96251 | 66050 | 30 |
| 80 | 69967 | ∗03944 | ∗96056 | 66022 | 20 |
| 90 | 70134 | ∗04139 | ∗95861 | 65995 | 10 |
| **65 oo** | 70301 | ∗04335 | ∗95665 | 65967 | **35 oo** |
| | **9.57** | ∗**9.61** | ∗**0.38** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 167 | 195 | 195 | 28 | **75g** |

| 24g | 168 | 196 | 196 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.57** | **9.61** | **0.38** | **9.96** | |
| **65 oo** | 70301 | 04335 | 95665 | 65967 | **35 oo** |
| 10 | 70469 | 04530 | 95470 | 65939 | 90 |
| 20 | 70636 | 04725 | 95275 | 65911 | 80 |
| 30 | 70803 | 04920 | 95080 | 65883 | 70 |
| 40 | 70970 | 05115 | 94885 | 65855 | 60 |
| 50 | 71138 | 05310 | 94690 | 65828 | 50 |
| 60 | 71305 | 05505 | 94495 | 65800 | 40 |
| 70 | 71472 | 05700 | 94300 | 65772 | 30 |
| 80 | 71639 | 05895 | 94105 | 65744 | 20 |
| 90 | 71807 | 06090 | 93910 | 65716 | 10 |
| **66 oo** | 71974 | 06285 | 93715 | 65688 | **34 oo** |
| 10 | 72141 | 06480 | 93520 | 65661 | 90 |
| 20 | 72308 | 06675 | 93325 | 65633 | 80 |
| 30 | 72475 | 06870 | 93130 | 65605 | 70 |
| 40 | 72643 | 07065 | 92935 | 65577 | 60 |
| 50 | 72810 | 07260 | 92740 | 65549 | 50 |
| 60 | 72977 | 07455 | 92545 | 65521 | 40 |
| 70 | 73144 | 07651 | 92349 | 65494 | 30 |
| 80 | 73311 | 07846 | 92154 | 65466 | 20 |
| 90 | 73478 | 08040 | 91960 | 65438 | 10 |
| **67 oo** | 73646 | 08235 | 91765 | 65410 | **33 oo** |
| 10 | 73813 | 08430 | 91570 | 65382 | 90 |
| 20 | 73980 | 08625 | 91375 | 65354 | 80 |
| 30 | 74147 | 08820 | 91180 | 65327 | 70 |
| 40 | 74314 | 09015 | 90985 | 65299 | 60 |
| 50 | 74481 | 09210 | 90790 | 65271 | 50 |
| 60 | 74648 | 09405 | 90595 | 65243 | 40 |
| 70 | 74815 | 09600 | 90400 | 65215 | 30 |
| 80 | 74982 | 09795 | 90205 | 65187 | 20 |
| 90 | 75150 | 09990 | 90010 | 65159 | 10 |
| **68 oo** | 75317 | 10185 | 89815 | 65132 | **32 oo** |
| 10 | 75484 | 10380 | 89620 | 65104 | 90 |
| 20 | 75651 | 10575 | 89425 | 65076 | 80 |
| 30 | 75818 | 10770 | 89230 | 65048 | 70 |
| 40 | 75985 | 10965 | 89035 | 65020 | 60 |
| 50 | 76152 | 11160 | 88840 | 64992 | 50 |
| 60 | 76319 | 11354 | 88646 | 64964 | 40 |
| 70 | 76486 | 11549 | 88451 | 64937 | 30 |
| 80 | 76653 | 11744 | 88256 | 64909 | 20 |
| 90 | 76820 | 11939 | 88061 | 64881 | 10 |
| **69 oo** | 76987 | 12134 | 87866 | 64853 | **31 oo** |
| 10 | 77154 | 12329 | 87671 | 64825 | 90 |
| 20 | 77321 | 12524 | 87476 | 64797 | 80 |
| 30 | 77488 | 12718 | 87282 | 64769 | 70 |
| 40 | 77655 | 12913 | 87087 | 64741 | 60 |
| 50 | 77822 | 13108 | 86892 | 64714 | 50 |
| 60 | 77989 | 13303 | 86697 | 64686 | 40 |
| 70 | 78156 | 13498 | 86502 | 64658 | 30 |
| 80 | 78323 | 13693 | 86307 | 64630 | 20 |
| 90 | 78489 | 13887 | 86113 | 64602 | 10 |
| **70 oo** | 78656 | 14082 | 85918 | 64574 | **30 oo** |
| | **9.57** | **9.61** | **0.38** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 166 | 194 | 194 | 28 | **75g** |

| | 196 | 195 | 194 | 168 | 167 | 166 | 28 | 27 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19,6 | 19,5 | 19,4 | 16,8 | 16,7 | 16,6 | 2,8 | 2,7 | 1 |
| 2 | 39,2 | 39,0 | 38,8 | 33,6 | 33,4 | 33,2 | 5,6 | 5,4 | 2 |
| 3 | 58,8 | 58,5 | 58,2 | 50,4 | 50,1 | 49,8 | 8,4 | 8,1 | 3 |
| 4 | 78,4 | 78,0 | 77,6 | 67,2 | 66,8 | 66,4 | 11,2 | 10,8 | 4 |
| 5 | 98,0 | 97,5 | 97,0 | 84,0 | 83,5 | 83,0 | 14,0 | 13,5 | 5 |
| 6 | 117,6 | 117,0 | 116,4 | 100,8 | 100,2 | 99,6 | 16,8 | 16,2 | 6 |
| 7 | 137,2 | 136,5 | 135,8 | 117,6 | 116,9 | 116,2 | 19,6 | 18,9 | 7 |
| 8 | 156,8 | 156,0 | 155,2 | 134,4 | 133,6 | 132,8 | 22,4 | 21,6 | 8 |
| 9 | 176,4 | 175,5 | 174,6 | 151,2 | 150,3 | 149,4 | 25,2 | 24,3 | 9 |

| 24g | 167 | 195 | 195 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.57** | **9.61** | **0.38** | **9.96** | |
| **70 oo** | 78656 | 14082 | 85918 | 64574 | **30 oo** |
| 10 | 78823 | 14277 | 85723 | 64546 | 90 |
| 20 | 78990 | 14472 | 85528 | 64518 | 80 |
| 30 | 79157 | 14667 | 85333 | 64491 | 70 |
| 40 | 79324 | 14861 | 85139 | 64463 | 60 |
| 50 | 79491 | 15056 | 84944 | 64435 | 50 |
| 60 | 79658 | 15251 | 84749 | 64407 | 40 |
| 70 | 79825 | 15446 | 84554 | 64379 | 30 |
| 80 | 79991 | 15640 | 84360 | 64351 | 20 |
| 90 | 80158 | 15835 | 84165 | 64323 | 10 |
| **71 oo** | 80325 | 16030 | 83970 | 64295 | **29 oo** |
| 10 | 80492 | 16225 | 83775 | 64267 | 90 |
| 20 | 80659 | 16419 | 83581 | 64240 | 80 |
| 30 | 80826 | 16614 | 83386 | 64212 | 70 |
| 40 | 80992 | 16809 | 83191 | 64184 | 60 |
| 50 | 81159 | 17003 | 82997 | 64156 | 50 |
| 60 | 81326 | 17198 | 82802 | 64128 | 40 |
| 70 | 81493 | 17393 | 82607 | 64100 | 30 |
| 80 | 81660 | 17588 | 82412 | 64072 | 20 |
| 90 | 81826 | 17782 | 82218 | 64044 | 10 |
| **72 oo** | 81993 | 17977 | 82023 | 64016 | **28 oo** |
| 10 | 82160 | 18172 | 81828 | 63988 | 90 |
| 20 | 82327 | 18366 | 81634 | 63960 | 80 |
| 30 | 82493 | 18561 | 81439 | 63933 | 70 |
| 40 | 82660 | 18756 | 81244 | 63905 | 60 |
| 50 | 82827 | 18950 | 81050 | 63877 | 50 |
| 60 | 82994 | 19145 | 80855 | 63849 | 40 |
| 70 | 83160 | 19339 | 80661 | 63821 | 30 |
| 80 | 83327 | 19534 | 80466 | 63793 | 20 |
| 90 | 83494 | 19729 | 80271 | 63765 | 10 |
| **73 oo** | 83660 | 19923 | 80077 | 63737 | **27 oo** |
| 10 | 83827 | 20118 | 79882 | 63709 | 90 |
| 20 | 83994 | 20312 | 79688 | 63681 | 80 |
| 30 | 84161 | 20507 | 79493 | 63653 | 70 |
| 40 | 84327 | 20702 | 79298 | 63625 | 60 |
| 50 | 84494 | 20896 | 79104 | 63598 | 50 |
| 60 | 84660 | 21091 | 78909 | 63570 | 40 |
| 70 | 84827 | 21285 | 78715 | 63542 | 30 |
| 80 | 84994 | 21480 | 78520 | 63514 | 20 |
| 90 | 85160 | 21675 | 78325 | 63486 | 10 |
| **74 oo** | 85327 | 21869 | 78131 | 63458 | **26 oo** |
| 10 | 85494 | 22064 | 77936 | 63430 | 90 |
| 20 | 85660 | 22258 | 77742 | 63402 | 80 |
| 30 | 85827 | 22453 | 77547 | 63374 | 70 |
| 40 | 85993 | 22647 | 77353 | 63346 | 60 |
| 50 | 86160 | 22842 | 77158 | 63318 | 50 |
| 60 | 86327 | 23036 | 76964 | 63290 | 40 |
| 70 | 86493 | 23231 | 76769 | 63262 | 30 |
| 80 | 86660 | 23425 | 76575 | 63234 | 20 |
| 90 | 86826 | 23620 | 76380 | 63207 | 10 |
| **75 oo** | 86993 | 23814 | 76186 | 63179 | **25 oo** |
| | **9.57** | **9.61** | **0.38** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 166 | 194 | 194 | 28 | |

| 24g | 167 | 195 | 195 | 27 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.57** | **9.61** | **0.38** | **9.96** | |
| **75 oo** | 86993 | 23814 | 76186 | 63179 | **25 oo** |
| 10 | 87159 | 24009 | 75991 | 63151 | 90 |
| 20 | 87326 | 24203 | 75797 | 63123 | 80 |
| 30 | 87492 | 24398 | 75602 | 63095 | 70 |
| 40 | 87659 | 24592 | 75408 | 63067 | 60 |
| 50 | 87825 | 24787 | 75213 | 63039 | 50 |
| 60 | 87992 | 24981 | 75019 | 63011 | 40 |
| 70 | 88158 | 25175 | 74825 | 62983 | 30 |
| 80 | 88325 | 25370 | 74630 | 62955 | 20 |
| 90 | 88491 | 25564 | 74436 | 62927 | 10 |
| **76 oo** | 88658 | 25759 | 74241 | 62899 | **24 oo** |
| 10 | 88824 | 25953 | 74047 | 62871 | 90 |
| 20 | 88991 | 26148 | 73852 | 62843 | 80 |
| 30 | 89157 | 26342 | 73658 | 62815 | 70 |
| 40 | 89324 | 26536 | 73464 | 62787 | 60 |
| 50 | 89490 | 26731 | 73269 | 62759 | 50 |
| 60 | 89657 | 26925 | 73075 | 62731 | 40 |
| 70 | 89823 | 27120 | 72880 | 62703 | 30 |
| 80 | 89989 | 27314 | 72686 | 62675 | 20 |
| 90 | 90156 | 27508 | 72492 | 62647 | 10 |
| **77 oo** | 90322 | 27703 | 72297 | 62619 | **23 oo** |
| 10 | 90489 | 27897 | 72103 | 62591 | 90 |
| 20 | 90655 | 28091 | 71909 | 62563 | 80 |
| 30 | 90821 | 28286 | 71714 | 62536 | 70 |
| 40 | 90988 | 28480 | 71520 | 62508 | 60 |
| 50 | 91154 | 28674 | 71326 | 62480 | 50 |
| 60 | 91320 | 28869 | 71131 | 62452 | 40 |
| 70 | 91487 | 29063 | 70937 | 62424 | 30 |
| 80 | 91653 | 29257 | 70743 | 62396 | 20 |
| 90 | 91819 | 29452 | 70548 | 62368 | 10 |
| **78 oo** | 91986 | 29646 | 70354 | 62340 | **22 oo** |
| 10 | 92152 | 29840 | 70160 | 62312 | 90 |
| 20 | 92318 | 30035 | 69965 | 62284 | 80 |
| 30 | 92485 | 30229 | 69771 | 62256 | 70 |
| 40 | 92651 | 30423 | 69577 | 62228 | 60 |
| 50 | 92817 | 30617 | 69383 | 62200 | 50 |
| 60 | 92983 | 30812 | 69188 | 62172 | 40 |
| 70 | 93150 | 31006 | 68994 | 62144 | 30 |
| 80 | 93316 | 31200 | 68800 | 62116 | 20 |
| 90 | 93482 | 31394 | 68606 | 62088 | 10 |
| **79 oo** | 93648 | 31589 | 68411 | 62060 | **21 oo** |
| 10 | 93815 | 31783 | 68217 | 62032 | 90 |
| 20 | 93981 | 31977 | 68023 | 62004 | 80 |
| 30 | 94147 | 32171 | 67829 | 61976 | 70 |
| 40 | 94313 | 32366 | 67634 | 61948 | 60 |
| 50 | 94480 | 32560 | 67440 | 61920 | 50 |
| 60 | 94646 | 32754 | 67246 | 61892 | 40 |
| 70 | 94812 | 32948 | 67052 | 61864 | 30 |
| 80 | 94978 | 33142 | 66858 | 61836 | 20 |
| 90 | 95144 | 33337 | 66663 | 61808 | 10 |
| **80 oo** | 95311 | 33531 | 66469 | 61780 | **20 oo** |
| | **9.57** | **9.61** | **0.38** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 166 | 194 | 194 | 28 | |

| | 195 | 194 | 167 | 166 | 28 | 27 | |
|---|---|---|---|---|---|---|---|
| 1 | 19,5 | 19,4 | 16,7 | 16,6 | 2,8 | 2,7 | 1 |
| 2 | 39,0 | 38,8 | 33,4 | 33,2 | 5,6 | 5,4 | 2 |
| 3 | 58,5 | 58,2 | 50,1 | 49,8 | 8,4 | 8,1 | 3 |
| 4 | 78,0 | 77,6 | 66,8 | 66,4 | 11,2 | 10,8 | 4 |
| 5 | 97,5 | 97,0 | 83,5 | 83,0 | 14,0 | 13,5 | 5 |
| 6 | 117,0 | 116,4 | 100,2 | 99,6 | 16,8 | 16,2 | 6 |
| 7 | 136,5 | 135,8 | 116,9 | 116,2 | 19,6 | 18,9 | 7 |
| 8 | 156,0 | 155,2 | 133,6 | 132,8 | 22,4 | 21,6 | 8 |
| 9 | 175,5 | 174,6 | 150,3 | 149,4 | 25,2 | 24,3 | 9 |

| 24g | 167 | 195 | 195 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.57** | **9.61** | **0.38** | **9.96** | |
| **80 oo** | 95311 | 33531 | 66469 | 61780 | **20 oo** |
| 10 | 95477 | 33725 | 66275 | 61752 | 90 |
| 20 | 95643 | 33919 | 66081 | 61724 | 80 |
| 30 | 95809 | 34113 | 65887 | 61696 | 70 |
| 40 | 95975 | 34307 | 65693 | 61668 | 60 |
| 50 | 96141 | 34502 | 65498 | 61640 | 50 |
| 60 | 96307 | 34696 | 65304 | 61612 | 40 |
| 70 | 96474 | 34890 | 65110 | 61584 | 30 |
| 80 | 96640 | 35084 | 64916 | 61556 | 20 |
| 90 | 96806 | 35278 | 64722 | 61528 | 10 |
| **81 oo** | 96972 | 35472 | 64528 | 61500 | **19 oo** |
| 10 | 97138 | 35666 | 64334 | 61472 | 90 |
| 20 | 97304 | 35860 | 64140 | 61444 | 80 |
| 30 | 97470 | 36055 | 63945 | 61416 | 70 |
| 40 | 97636 | 36249 | 63751 | 61388 | 60 |
| 50 | 97802 | 36443 | 63557 | 61360 | 50 |
| 60 | 97968 | 36637 | 63363 | 61332 | 40 |
| 70 | 98134 | 36831 | 63169 | 61304 | 30 |
| 80 | 98300 | 37025 | 62975 | 61275 | 20 |
| 90 | 98466 | 37219 | 62781 | 61247 | 10 |
| **82 oo** | 98632 | 37413 | 62587 | 61219 | **18 oo** |
| 10 | 98798 | 37607 | 62393 | 61191 | 90 |
| 20 | 98964 | 37801 | 62199 | 61163 | 80 |
| 30 | 99130 | 37995 | 62005 | 61135 | 70 |
| 40 | 99296 | 38189 | 61811 | 61107 | 60 |
| 50 | 99462 | 38383 | 61617 | 61079 | 50 |
| 60 | 99628 | 38577 | 61423 | 61051 | 40 |
| 70 | 99794 | 38771 | 61229 | 61023 | 30 |
| 80 | 99960 | 38965 | 61035 | 60995 | 20 |
| 90 | *00126 | 39159 | 60841 | 60967 | 10 |
| **83 oo** | *00292 | 39353 | 60647 | 60939 | **17 oo** |
| 10 | *00458 | 39547 | 60453 | 60911 | 90 |
| 20 | *00624 | 39741 | 60259 | 60883 | 80 |
| 30 | *00790 | 39935 | 60065 | 60855 | 70 |
| 40 | *00956 | 40129 | 59871 | 60827 | 60 |
| 50 | *01122 | 40323 | 59677 | 60799 | 50 |
| 60 | *01288 | 40517 | 59483 | 60771 | 40 |
| 70 | *01454 | 40711 | 59289 | 60743 | 30 |
| 80 | *01620 | 40905 | 59095 | 60715 | 20 |
| 90 | *01786 | 41099 | 58901 | 60687 | 10 |
| **84 oo** | *01951 | 41293 | 58707 | 60659 | **16 oo** |
| 10 | *02117 | 41487 | 58513 | 60630 | 90 |
| 20 | *02283 | 41681 | 58319 | 60602 | 80 |
| 30 | *02449 | 41875 | 58125 | 60574 | 70 |
| 40 | *02615 | 42069 | 57931 | 60546 | 60 |
| 50 | *02781 | 42262 | 57738 | 60518 | 50 |
| 60 | *02947 | 42456 | 57544 | 60490 | 40 |
| 70 | *03112 | 42650 | 57350 | 60462 | 30 |
| 80 | *03278 | 42844 | 57156 | 60434 | 20 |
| 90 | *03444 | 43038 | 56962 | 60406 | 10 |
| **85 oo** | *03610 | 43232 | 56768 | 60378 | **15 oo** |
| | ***9.58** | **9.61** | **0.38** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 165 | 193 | 193 | 29 | |

| 24g | 166 | 194 | 194 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.58** | **9.61** | **0.38** | **9.96** | |
| **85 oo** | 03610 | 43232 | 56768 | 60378 | **15 oo** |
| 10 | 03776 | 43426 | 56574 | 60350 | 90 |
| 20 | 03941 | 43620 | 56380 | 60322 | 80 |
| 30 | 04107 | 43813 | 56187 | 60294 | 70 |
| 40 | 04273 | 44007 | 55993 | 60266 | 60 |
| 50 | 04439 | 44201 | 55799 | 60238 | 50 |
| 60 | 04604 | 44395 | 55605 | 60209 | 40 |
| 70 | 04770 | 44589 | 55411 | 60181 | 30 |
| 80 | 04936 | 44783 | 55217 | 60153 | 20 |
| 90 | 05102 | 44976 | 55024 | 60125 | 10 |
| **86 oo** | 05267 | 45170 | 54830 | 60097 | **14 oo** |
| 10 | 05433 | 45364 | 54636 | 60069 | 90 |
| 20 | 05599 | 45558 | 54442 | 60041 | 80 |
| 30 | 05765 | 45752 | 54248 | 60013 | 70 |
| 40 | 05930 | 45945 | 54055 | 59985 | 60 |
| 50 | 06096 | 46139 | 53861 | 59957 | 50 |
| 60 | 06262 | 46333 | 53667 | 59929 | 40 |
| 70 | 06427 | 46527 | 53473 | 59901 | 30 |
| 80 | 06593 | 46720 | 53280 | 59872 | 20 |
| 90 | 06759 | 46914 | 53086 | 59844 | 10 |
| **87 oo** | 06924 | 47108 | 52892 | 59816 | **13 oo** |
| 10 | 07090 | 47302 | 52698 | 59788 | 90 |
| 20 | 07256 | 47495 | 52505 | 59760 | 80 |
| 30 | 07421 | 47689 | 52311 | 59732 | 70 |
| 40 | 07587 | 47883 | 52117 | 59704 | 60 |
| 50 | 07752 | 48077 | 51923 | 59676 | 50 |
| 60 | 07918 | 48270 | 51730 | 59648 | 40 |
| 70 | 08084 | 48464 | 51536 | 59620 | 30 |
| 80 | 08249 | 48658 | 51342 | 59591 | 20 |
| 90 | 08415 | 48851 | 51149 | 59563 | 10 |
| **88 oo** | 08580 | 49045 | 50955 | 59535 | **12 oo** |
| 10 | 08746 | 49239 | 50761 | 59507 | 90 |
| 20 | 08912 | 49432 | 50568 | 59479 | 80 |
| 30 | 09077 | 49626 | 50374 | 59451 | 70 |
| 40 | 09243 | 49820 | 50180 | 59423 | 60 |
| 50 | 09408 | 50013 | 49987 | 59395 | 50 |
| 60 | 09574 | 50207 | 49793 | 59367 | 40 |
| 70 | 09739 | 50401 | 49599 | 59339 | 30 |
| 80 | 09905 | 50594 | 49406 | 59310 | 20 |
| 90 | 10070 | 50788 | 49212 | 59282 | 10 |
| **89 oo** | 10236 | 50982 | 49018 | 59254 | **11 oo** |
| 10 | 10401 | 51175 | 48825 | 59226 | 90 |
| 20 | 10567 | 51369 | 48631 | 59198 | 80 |
| 30 | 10732 | 51562 | 48438 | 59170 | 70 |
| 40 | 10898 | 51756 | 48244 | 59142 | 60 |
| 50 | 11063 | 51950 | 48050 | 59114 | 50 |
| 60 | 11229 | 52143 | 47857 | 59085 | 40 |
| 70 | 11394 | 52337 | 47663 | 59057 | 30 |
| 80 | 11560 | 52530 | 47470 | 59029 | 20 |
| 90 | 11725 | 52724 | 47276 | 59001 | 10 |
| **90 oo** | 11890 | 52918 | 47082 | 58973 | **10 oo** |
| | **9.58** | **9.61** | **0.38** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 165 | 193 | 193 | 29 | |

| | 195 | 194 | 193 | 167 | 166 | 165 | 29 | 28 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19,5 | 19,4 | 19,3 | 16,7 | 16,6 | 16,5 | 2,9 | 2,8 | 1 |
| 2 | 39,0 | 38,8 | 38,6 | 33,4 | 33,2 | 33,0 | 5,8 | 5,6 | 2 |
| 3 | 58,5 | 58,2 | 57,9 | 50,1 | 49,8 | 49,5 | 8,7 | 8,4 | 3 |
| 4 | 78,0 | 77,6 | 77,2 | 66,8 | 66,4 | 66,0 | 11,6 | 11,2 | 4 |
| 5 | 97,5 | 97,0 | 96,5 | 83,5 | 83,0 | 82,5 | 14,5 | 14,0 | 5 |
| 6 | 117,0 | 116,4 | 115,8 | 100,2 | 99,6 | 99,0 | 17,4 | 16,8 | 6 |
| 7 | 136,5 | 135,8 | 135,1 | 116,9 | 116,2 | 115,5 | 20,3 | 19,6 | 7 |
| 8 | 156,0 | 155,2 | 154,4 | 133,6 | 132,8 | 132,0 | 23,2 | 22,4 | 8 |
| 9 | 175,5 | 174,6 | 173,7 | 150,3 | 149,4 | 148,5 | 26,1 | 25,2 | 9 |

| 24g | 166 | 194 | 194 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.58** | **9.61** | **0.38** | **9.96** | |
| **90 oo** | 11890 | 52918 | 47082 | 58973 | **10 oo** |
| 10 | 12056 | 53111 | 46889 | 58945 | 90 |
| 20 | 12221 | 53305 | 46695 | 58917 | 80 |
| 30 | 12387 | 53498 | 46502 | 58888 | 70 |
| 40 | 12552 | 53692 | 46308 | 58860 | 60 |
| 50 | 12718 | 53885 | 46115 | 58832 | 50 |
| 60 | 12883 | 54079 | 45921 | 58804 | 40 |
| 70 | 13048 | 54272 | 45728 | 58776 | 30 |
| 80 | 13214 | 54466 | 45534 | 58748 | 20 |
| 90 | 13379 | 54659 | 45341 | 58720 | 10 |
| **91 oo** | 13544 | 54853 | 45147 | 58692 | **09 oo** |
| 10 | 13710 | 55046 | 44954 | 58663 | 90 |
| 20 | 13875 | 55240 | 44760 | 58635 | 80 |
| 30 | 14040 | 55433 | 44567 | 58607 | 70 |
| 40 | 14206 | 55627 | 44373 | 58579 | 60 |
| 50 | 14371 | 55820 | 44180 | 58551 | 50 |
| 60 | 14536 | 56014 | 43986 | 58523 | 40 |
| 70 | 14702 | 56207 | 43793 | 58494 | 30 |
| 80 | 14867 | 56401 | 43599 | 58466 | 20 |
| 90 | 15032 | 56594 | 43406 | 58438 | 10 |
| **92 oo** | 15198 | 56788 | 43212 | 58410 | **08 oo** |
| 10 | 15363 | 56981 | 43019 | 58382 | 90 |
| 20 | 15528 | 57174 | 42826 | 58354 | 80 |
| 30 | 15693 | 57368 | 42632 | 58326 | 70 |
| 40 | 15859 | 57561 | 42439 | 58297 | 60 |
| 50 | 16024 | 57755 | 42245 | 58269 | 50 |
| 60 | 16189 | 57948 | 42052 | 58241 | 40 |
| 70 | 16354 | 58141 | 41859 | 58213 | 30 |
| 80 | 16520 | 58335 | 41665 | 58185 | 20 |
| 90 | 16685 | 58528 | 41472 | 58157 | 10 |
| **93 oo** | 16850 | 58722 | 41278 | 58128 | **07 oo** |
| 10 | 17015 | 58915 | 41085 | 58100 | 90 |
| 20 | 17180 | 59108 | 40892 | 58072 | 80 |
| 30 | 17346 | 59302 | 40698 | 58044 | 70 |
| 40 | 17511 | 59495 | 40505 | 58016 | 60 |
| 50 | 17676 | 59688 | 40312 | 57988 | 50 |
| 60 | 17841 | 59882 | 40118 | 57959 | 40 |
| 70 | 18006 | 60075 | 39925 | 57931 | 30 |
| 80 | 18171 | 60268 | 39732 | 57903 | 20 |
| 90 | 18337 | 60462 | 39538 | 57875 | 10 |
| **94 oo** | 18502 | 60655 | 39345 | 57847 | **06 oo** |
| 10 | 18667 | 60848 | 39152 | 57818 | 90 |
| 20 | 18832 | 61042 | 38958 | 57790 | 80 |
| 30 | 18997 | 61235 | 38765 | 57762 | 70 |
| 40 | 19162 | 61428 | 38572 | 57734 | 60 |
| 50 | 19327 | 61622 | 38378 | 57706 | 50 |
| 60 | 19492 | 61815 | 38185 | 57678 | 40 |
| 70 | 19657 | 62008 | 37992 | 57649 | 30 |
| 80 | 19823 | 62201 | 37799 | 57621 | 20 |
| 90 | 19988 | 62395 | 37605 | 57593 | 10 |
| **95 oo** | 20153 | 62588 | 37412 | 57565 | **05 oo** |
| | **9.58** | **9.61** | **0.38** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 165 | 193 | 193 | 29 | |

| 24g | 165 | 194 | 194 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.58** | **9.61** | **0.38** | **9.96** | |
| **95 oo** | 20153 | 62588 | 37412 | 57565 | **05 oo** |
| 10 | 20318 | 62781 | 37219 | 57537 | 90 |
| 20 | 20483 | 62974 | 37026 | 57508 | 80 |
| 30 | 20648 | 63168 | 36832 | 57480 | 70 |
| 40 | 20813 | 63361 | 36639 | 57452 | 60 |
| 50 | 20978 | 63554 | 36446 | 57424 | 50 |
| 60 | 21143 | 63747 | 36253 | 57396 | 40 |
| 70 | 21308 | 63941 | 36059 | 57367 | 30 |
| 80 | 21473 | 64134 | 35866 | 57339 | 20 |
| 90 | 21638 | 64327 | 35673 | 57311 | 10 |
| **96 oo** | 21803 | 64520 | 35480 | 57283 | **04 oo** |
| 10 | 21968 | 64713 | 35287 | 57255 | 90 |
| 20 | 22133 | 64907 | 35093 | 57226 | 80 |
| 30 | 22298 | 65100 | 34900 | 57198 | 70 |
| 40 | 22463 | 65293 | 34707 | 57170 | 60 |
| 50 | 22628 | 65486 | 34514 | 57142 | 50 |
| 60 | 22793 | 65679 | 34321 | 57113 | 40 |
| 70 | 22958 | 65872 | 34128 | 57085 | 30 |
| 80 | 23123 | 66066 | 33934 | 57057 | 20 |
| 90 | 23288 | 66259 | 33741 | 57029 | 10 |
| **97 oo** | 23452 | 66452 | 33548 | 57001 | **03 oo** |
| 10 | 23617 | 66645 | 33355 | 56972 | 90 |
| 20 | 23782 | 66838 | 33162 | 56944 | 80 |
| 30 | 23947 | 67031 | 32969 | 56916 | 70 |
| 40 | 24112 | 67224 | 32776 | 56888 | 60 |
| 50 | 24277 | 67417 | 32583 | 56859 | 50 |
| 60 | 24442 | 67611 | 32389 | 56831 | 40 |
| 70 | 24607 | 67804 | 32196 | 56803 | 30 |
| 80 | 24772 | 67997 | 32003 | 56775 | 20 |
| 90 | 24936 | 68190 | 31810 | 56747 | 10 |
| **98 oo** | 25101 | 68383 | 31617 | 56718 | **02 oo** |
| 10 | 25266 | 68576 | 31424 | 56690 | 90 |
| 20 | 25431 | 68769 | 31231 | 56662 | 80 |
| 30 | 25596 | 68962 | 31038 | 56634 | 70 |
| 40 | 25761 | 69155 | 30845 | 56605 | 60 |
| 50 | 25925 | 69348 | 30652 | 56577 | 50 |
| 60 | 26090 | 69541 | 30459 | 56549 | 40 |
| 70 | 26255 | 69734 | 30266 | 56521 | 30 |
| 80 | 26420 | 69927 | 30073 | 56492 | 20 |
| 90 | 26585 | 70120 | 29880 | 56464 | 10 |
| **99 oo** | 26749 | 70313 | 29687 | 56436 | **01 oo** |
| 10 | 26914 | 70506 | 29494 | 56408 | 90 |
| 20 | 27079 | 70699 | 29301 | 56379 | 80 |
| 30 | 27244 | 70892 | 29108 | 56351 | 70 |
| 40 | 27408 | 71085 | 28915 | 56323 | 60 |
| 50 | 27573 | 71278 | 28722 | 56295 | 50 |
| 60 | 27738 | 71471 | 28529 | 56266 | 40 |
| 70 | 27902 | 71664 | 28336 | 56238 | 30 |
| 80 | 28067 | 71857 | 28143 | 56210 | 20 |
| 90 | 28232 | 72050 | 27950 | 56182 | 10 |
| **100 oo** | 28397 | 72243 | 27757 | 56153 | **00 oo** |
| | **9.58** | **9.61** | **0.38** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **75g** |
| | 164 | 193 | 193 | 29 | |

| | 194 | 193 | 166 | 165 | 164 | 29 | 28 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 19,4 | 19,3 | 16,6 | 16,5 | 16,4 | 2,9 | 2,8 | 1 |
| 2 | 38,8 | 38,6 | 33,2 | 33,0 | 32,8 | 5,8 | 5,6 | 2 |
| 3 | 58,2 | 57,9 | 49,8 | 49,5 | 49,2 | 8,7 | 8,4 | 3 |
| 4 | 77,6 | 77,2 | 66,4 | 66,0 | 65,6 | 11,6 | 11,2 | 4 |
| 5 | 97,0 | 96,5 | 83,0 | 82,5 | 82,0 | 14,5 | 14,0 | 5 |
| 6 | 116,4 | 115,8 | 99,6 | 99,0 | 98,4 | 17,4 | 16,8 | 6 |
| 7 | 135,8 | 135,1 | 116,2 | 115,5 | 114,8 | 20,3 | 19,6 | 7 |
| 8 | 155,2 | 154,4 | 132,8 | 132,0 | 131,2 | 23,2 | 22,4 | 8 |
| 9 | 174,6 | 173,7 | 149,4 | 148,5 | 147,6 | 26,1 | 25,2 | 9 |

| 25g | 165 | 193 | 193 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.58** | **9.61** | **0.38** | **9.96** | |
| **00 oo** | 28397 | 72243 | 27757 | 56153 | **100 oo** |
| 10 | 28561 | 72436 | 27564 | 56125 | 90 |
| 20 | 28726 | 72629 | 27371 | 56097 | 80 |
| 30 | 28891 | 72822 | 27178 | 56069 | 70 |
| 40 | 29055 | 73015 | 26985 | 56040 | 60 |
| 50 | 29220 | 73208 | 26792 | 56012 | 50 |
| 60 | 29385 | 73401 | 26599 | 55984 | 40 |
| 70 | 29549 | 73594 | 26406 | 55956 | 30 |
| 80 | 29714 | 73787 | 26213 | 55927 | 20 |
| 90 | 29879 | 73979 | 26021 | 55899 | 10 |
| **01 oo** | 30043 | 74172 | 25828 | 55871 | **99 oo** |
| 10 | 30208 | 74365 | 25635 | 55843 | 90 |
| 20 | 30372 | 74558 | 25442 | 55814 | 80 |
| 30 | 30537 | 74751 | 25249 | 55786 | 70 |
| 40 | 30702 | 74944 | 25056 | 55758 | 60 |
| 50 | 30866 | 75137 | 24863 | 55729 | 50 |
| 60 | 31031 | 75330 | 24670 | 55701 | 40 |
| 70 | 31195 | 75522 | 24478 | 55673 | 30 |
| 80 | 31360 | 75715 | 24285 | 55645 | 20 |
| 90 | 31524 | 75908 | 24092 | 55616 | 10 |
| **02 oo** | 31689 | 76101 | 23899 | 55588 | **98 oo** |
| 10 | 31854 | 76294 | 23706 | 55560 | 90 |
| 20 | 32018 | 76487 | 23513 | 55531 | 80 |
| 30 | 32183 | 76679 | 23321 | 55503 | 70 |
| 40 | 32347 | 76872 | 23128 | 55475 | 60 |
| 50 | 32512 | 77065 | 22935 | 55447 | 50 |
| 60 | 32676 | 77258 | 22742 | 55418 | 40 |
| 70 | 32841 | 77451 | 22549 | 55390 | 30 |
| 80 | 33005 | 77643 | 22357 | 55362 | 20 |
| 90 | 33170 | 77836 | 22164 | 55333 | 10 |
| **03 oo** | 33334 | 78029 | 21971 | 55305 | **97 oo** |
| 10 | 33499 | 78222 | 21778 | 55277 | 90 |
| 20 | 33663 | 78415 | 21585 | 55249 | 80 |
| 30 | 33828 | 78607 | 21393 | 55220 | 70 |
| 40 | 33992 | 78800 | 21200 | 55192 | 60 |
| 50 | 34156 | 78993 | 21007 | 55164 | 50 |
| 60 | 34321 | 79185 | 20815 | 55135 | 40 |
| 70 | 34485 | 79378 | 20622 | 55107 | 30 |
| 80 | 34650 | 79571 | 20429 | 55079 | 20 |
| 90 | 34814 | 79764 | 20236 | 55050 | 10 |
| **04 oo** | 34979 | 79956 | 20044 | 55022 | **96 oo** |
| 10 | 35143 | 80149 | 19851 | 54994 | 90 |
| 20 | 35307 | 80342 | 19658 | 54966 | 80 |
| 30 | 35472 | 80534 | 19466 | 54937 | 70 |
| 40 | 35636 | 80727 | 19273 | 54909 | 60 |
| 50 | 35800 | 80920 | 19080 | 54881 | 50 |
| 60 | 35965 | 81113 | 18887 | 54852 | 40 |
| 70 | 36129 | 81305 | 18695 | 54824 | 30 |
| 80 | 36294 | 81498 | 18502 | 54796 | 20 |
| 90 | 36458 | 81691 | 18309 | 54767 | 10 |
| **05 oo** | 36622 | 81883 | 18117 | 54739 | **95 oo** |
| | **9.58** | **9.61** | **0.38** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | 74g |
| | 164 | 192 | 192 | 29 | |

| 25g | 165 | 193 | 193 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.58** | **9.61** | **0.38** | **9.96** | |
| **05 oo** | 36622 | 81883 | 18117 | 54739 | **95 oo** |
| 10 | 36787 | 82076 | 17924 | 54711 | 90 |
| 20 | 36951 | 82268 | 17732 | 54682 | 80 |
| 30 | 37115 | 82461 | 17539 | 54654 | 70 |
| 40 | 37279 | 82654 | 17346 | 54626 | 60 |
| 50 | 37444 | 82846 | 17154 | 54597 | 50 |
| 60 | 37608 | 83039 | 16961 | 54569 | 40 |
| 70 | 37772 | 83232 | 16768 | 54541 | 30 |
| 80 | 37937 | 83424 | 16576 | 54512 | 20 |
| 90 | 38101 | 83617 | 16383 | 54484 | 10 |
| **06 oo** | 38265 | 83809 | 16191 | 54456 | **94 oo** |
| 10 | 38429 | 84002 | 15998 | 54427 | 90 |
| 20 | 38594 | 84195 | 15805 | 54399 | 80 |
| 30 | 38758 | 84387 | 15613 | 54371 | 70 |
| 40 | 38922 | 84580 | 15420 | 54342 | 60 |
| 50 | 39086 | 84772 | 15228 | 54314 | 50 |
| 60 | 39251 | 84965 | 15035 | 54286 | 40 |
| 70 | 39415 | 85157 | 14843 | 54257 | 30 |
| 80 | 39579 | 85350 | 14650 | 54229 | 20 |
| 90 | 39743 | 85542 | 14458 | 54201 | 10 |
| **07 oo** | 39907 | 85735 | 14265 | 54172 | **93 oo** |
| 10 | 40072 | 85927 | 14073 | 54144 | 90 |
| 20 | 40236 | 86120 | 13880 | 54116 | 80 |
| 30 | 40400 | 86313 | 13687 | 54087 | 70 |
| 40 | 40564 | 86505 | 13495 | 54059 | 60 |
| 50 | 40728 | 86698 | 13302 | 54031 | 50 |
| 60 | 40892 | 86890 | 13110 | 54002 | 40 |
| 70 | 41056 | 87083 | 12917 | 53974 | 30 |
| 80 | 41221 | 87275 | 12725 | 53946 | 20 |
| 90 | 41385 | 87467 | 12533 | 53917 | 10 |
| **08 oo** | 41549 | 87660 | 12340 | 53889 | **92 oo** |
| 10 | 41713 | 87852 | 12148 | 53861 | 90 |
| 20 | 41877 | 88045 | 11955 | 53832 | 80 |
| 30 | 42041 | 88237 | 11763 | 53804 | 70 |
| 40 | 42205 | 88430 | 11570 | 53775 | 60 |
| 50 | 42369 | 88622 | 11378 | 53747 | 50 |
| 60 | 42533 | 88815 | 11185 | 53719 | 40 |
| 70 | 42697 | 89007 | 10993 | 53690 | 30 |
| 80 | 42861 | 89200 | 10800 | 53662 | 20 |
| 90 | 43026 | 89392 | 10608 | 53634 | 10 |
| **09 oo** | 43190 | 89584 | 10416 | 53605 | **91 oo** |
| 10 | 43354 | 89777 | 10223 | 53577 | 90 |
| 20 | 43518 | 89969 | 10031 | 53548 | 80 |
| 30 | 43682 | 90162 | 09838 | 53520 | 70 |
| 40 | 43846 | 90354 | 09646 | 53492 | 60 |
| 50 | 44010 | 90546 | 09454 | 53463 | 50 |
| 60 | 44174 | 90739 | 09261 | 53435 | 40 |
| 70 | 44338 | 90931 | 09069 | 53407 | 30 |
| 80 | 44502 | 91123 | 08877 | 53378 | 20 |
| 90 | 44666 | 91316 | 08684 | 53350 | 10 |
| **10 oo** | 44830 | 91508 | 08492 | 53321 | **90 oo** |
| | **9.58** | **9.61** | **0.38** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | 74g |
| | 164 | 192 | 192 | 29 | |

| | 193 | 192 | 165 | 164 | 29 | 28 | |
|---|---|---|---|---|---|---|---|
| 1 | 19,3 | 19,2 | 16,5 | 16,4 | 2,9 | 2,8 | 1 |
| 2 | 38,6 | 38,4 | 33,0 | 32,8 | 5,8 | 5,6 | 2 |
| 3 | 57,9 | 57,6 | 49,5 | 49,2 | 8,7 | 8,4 | 3 |
| 4 | 77,2 | 76,8 | 66,0 | 65,6 | 11,6 | 11,2 | 4 |
| 5 | 96,5 | 96,0 | 82,5 | 82,0 | 14,5 | 14,0 | 5 |
| 6 | 115,8 | 115,2 | 99,0 | 98,4 | 17,4 | 16,8 | 6 |
| 7 | 135,1 | 134,4 | 115,5 | 114,8 | 20,3 | 19,6 | 7 |
| 8 | 154,4 | 153,6 | 132,0 | 131,2 | 23,2 | 22,4 | 8 |
| 9 | 173,7 | 172,8 | 148,5 | 147,6 | 26,1 | 25,2 | 9 |

| 25g | 164 | 193 | 193 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.58** | **9.61** | **0.38** | **9.96** | |
| **10 oo** | 44830 | 91508 | 08492 | 53321 | **90 oo** |
| 10 | 44994 | 91700 | 08300 | 53293 | 90 |
| 20 | 45158 | 91893 | 08107 | 53265 | 80 |
| 30 | 45321 | 92085 | 07915 | 53236 | 70 |
| 40 | 45485 | 92277 | 07723 | 53208 | 60 |
| 50 | 45649 | 92470 | 07530 | 53180 | 50 |
| 60 | 45813 | 92662 | 07338 | 53151 | 40 |
| 70 | 45977 | 92854 | 07146 | 53123 | 30 |
| 80 | 46141 | 93047 | 06953 | 53094 | 20 |
| 90 | 46305 | 93239 | 06761 | 53066 | 10 |
| **11 oo** | 46469 | 93431 | 06569 | 53038 | **89 oo** |
| 10 | 46633 | 93624 | 06376 | 53009 | 90 |
| 20 | 46797 | 93816 | 06184 | 52981 | 80 |
| 30 | 46961 | 94008 | 05992 | 52952 | 70 |
| 40 | 47124 | 94200 | 05800 | 52924 | 60 |
| 50 | 47288 | 94393 | 05607 | 52896 | 50 |
| 60 | 47452 | 94585 | 05415 | 52867 | 40 |
| 70 | 47616 | 94777 | 05223 | 52839 | 30 |
| 80 | 47780 | 94969 | 05031 | 52810 | 20 |
| 90 | 47944 | 95162 | 04838 | 52782 | 10 |
| **12 oo** | 48107 | 95354 | 04646 | 52754 | **88 oo** |
| 10 | 48271 | 95546 | 04454 | 52725 | 90 |
| 20 | 48435 | 95738 | 04262 | 52697 | 80 |
| 30 | 48599 | 95931 | 04069 | 52668 | 70 |
| 40 | 48763 | 96123 | 03877 | 52640 | 60 |
| 50 | 48926 | 96315 | 03685 | 52612 | 50 |
| 60 | 49090 | 96507 | 03493 | 52583 | 40 |
| 70 | 49254 | 96699 | 03301 | 52555 | 30 |
| 80 | 49418 | 96892 | 03108 | 52526 | 20 |
| 90 | 49582 | 97084 | 02916 | 52498 | 10 |
| **13 oo** | 49745 | 97276 | 02724 | 52469 | **87 oo** |
| 10 | 49909 | 97468 | 02532 | 52441 | 90 |
| 20 | 50073 | 97660 | 02340 | 52413 | 80 |
| 30 | 50237 | 97852 | 02148 | 52384 | 70 |
| 40 | 50400 | 98045 | 01955 | 52356 | 60 |
| 50 | 50564 | 98237 | 01763 | 52327 | 50 |
| 60 | 50728 | 98429 | 01571 | 52299 | 40 |
| 70 | 50891 | 98621 | 01379 | 52270 | 30 |
| 80 | 51055 | 98813 | 01187 | 52242 | 20 |
| 90 | 51219 | 99005 | 00995 | 52214 | 10 |
| **14 oo** | 51382 | 99197 | 00803 | 52185 | **86 oo** |
| 10 | 51546 | 99389 | 00611 | 52157 | 90 |
| 20 | 51710 | 99581 | 00419 | 52128 | 80 |
| 30 | 51873 | 99774 | 00226 | 52100 | 70 |
| 40 | 52037 | 99966 | 00034 | 52071 | 60 |
| 50 | 52201 | *00158 | *99842 | 52043 | 50 |
| 60 | 52364 | *00350 | *99650 | 52015 | 40 |
| 70 | 52528 | *00542 | *99458 | 51986 | 30 |
| 80 | 52692 | *00734 | *99266 | 51958 | 20 |
| 90 | 52855 | *00926 | *99074 | 51929 | 10 |
| **15 oo** | 53019 | *01118 | *98882 | 51901 | **85 oo** |
| | **9.58** | ***9.62** | ***0.37** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **74g** |
| | 163 | 192 | 192 | 29 | |

| 25g | 164 | 192 | 192 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.58** | **9.62** | **0.37** | **9.96** | |
| **15 oo** | 53019 | 01118 | 98882 | 51901 | **85 oo** |
| 10 | 53182 | 01310 | 98690 | 51872 | 90 |
| 20 | 53346 | 01502 | 98498 | 51844 | 80 |
| 30 | 53510 | 01694 | 98306 | 51815 | 70 |
| 40 | 53673 | 01886 | 98114 | 51787 | 60 |
| 50 | 53837 | 02078 | 97922 | 51759 | 50 |
| 60 | 54000 | 02270 | 97730 | 51730 | 40 |
| 70 | 54164 | 02462 | 97538 | 51702 | 30 |
| 80 | 54327 | 02654 | 97346 | 51673 | 20 |
| 90 | 54491 | 02846 | 97154 | 51645 | 10 |
| **16 oo** | 54654 | 03038 | 96962 | 51616 | **84 oo** |
| 10 | 54818 | 03230 | 96770 | 51588 | 90 |
| 20 | 54982 | 03422 | 96578 | 51559 | 80 |
| 30 | 55145 | 03614 | 96386 | 51531 | 70 |
| 40 | 55309 | 03806 | 96194 | 51502 | 60 |
| 50 | 55472 | 03998 | 96002 | 51474 | 50 |
| 60 | 55636 | 04190 | 95810 | 51445 | 40 |
| 70 | 55799 | 04382 | 95618 | 51417 | 30 |
| 80 | 55963 | 04574 | 95426 | 51389 | 20 |
| 90 | 56126 | 04766 | 95234 | 51360 | 10 |
| **17 oo** | 56289 | 04958 | 95042 | 51332 | **83 oo** |
| 10 | 56453 | 05150 | 94850 | 51303 | 90 |
| 20 | 56616 | 05342 | 94658 | 51275 | 80 |
| 30 | 56780 | 05534 | 94466 | 51246 | 70 |
| 40 | 56943 | 05726 | 94274 | 51218 | 60 |
| 50 | 57107 | 05917 | 94083 | 51189 | 50 |
| 60 | 57270 | 06109 | 93891 | 51161 | 40 |
| 70 | 57433 | 06301 | 93699 | 51132 | 30 |
| 80 | 57597 | 06493 | 93507 | 51104 | 20 |
| 90 | 57760 | 06685 | 93315 | 51075 | 10 |
| **18 oo** | 57924 | 06877 | 93123 | 51047 | **82 oo** |
| 10 | 58087 | 07069 | 92931 | 51018 | 90 |
| 20 | 58250 | 07261 | 92739 | 50990 | 80 |
| 30 | 58414 | 07452 | 92548 | 50961 | 70 |
| 40 | 58577 | 07644 | 92356 | 50933 | 60 |
| 50 | 58741 | 07836 | 92164 | 50904 | 50 |
| 60 | 58904 | 08028 | 91972 | 50876 | 40 |
| 70 | 59067 | 08220 | 91780 | 50847 | 30 |
| 80 | 59231 | 08412 | 91588 | 50819 | 20 |
| 90 | 59394 | 08603 | 91397 | 50790 | 10 |
| **19 oo** | 59557 | 08795 | 91205 | 50762 | **81 oo** |
| 10 | 59720 | 08987 | 91013 | 50733 | 90 |
| 20 | 59884 | 09179 | 90821 | 50705 | 80 |
| 30 | 60047 | 09371 | 90629 | 50676 | 70 |
| 40 | 60210 | 09562 | 90438 | 50648 | 60 |
| 50 | 60374 | 09754 | 90246 | 50619 | 50 |
| 60 | 60537 | 09946 | 90054 | 50591 | 40 |
| 70 | 60700 | 10138 | 89862 | 50562 | 30 |
| 80 | 60863 | 10330 | 89670 | 50534 | 20 |
| 90 | 61027 | 10521 | 89479 | 50505 | 10 |
| **20 oo** | 61190 | 10713 | 89287 | 50477 | **80 oo** |
| | **9.58** | **9.62** | **0.37** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **74g** |
| | 163 | 191 | 191 | 29 | |

| | 193 | 192 | 191 | 164 | 163 | 29 | 28 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 19,3 | 19,2 | 19,1 | 16,4 | 16,3 | 2,9 | 2,8 | 1 |
| 2 | 38,6 | 38,4 | 38,2 | 32,8 | 32,6 | 5,8 | 5,6 | 2 |
| 3 | 57,9 | 57,6 | 57,3 | 49,2 | 48,9 | 8,7 | 8,4 | 3 |
| 4 | 77,2 | 76,8 | 76,4 | 65,6 | 65,2 | 11,6 | 11,2 | 4 |
| 5 | 96,5 | 96,0 | 95,5 | 82,0 | 81,5 | 14,5 | 14,0 | 5 |
| 6 | 115,8 | 115,2 | 114,6 | 98,4 | 97,8 | 17,4 | 16,8 | 6 |
| 7 | 135,1 | 134,4 | 133,7 | 114,8 | 114,1 | 20,3 | 19,6 | 7 |
| 8 | 154,4 | 153,6 | 152,8 | 131,2 | 130,4 | 23,2 | 22,4 | 8 |
| 9 | 173,7 | 172,8 | 171,9 | 147,6 | 146,7 | 26,1 | 25,2 | 9 |

| 25g | 164 | 192 | 192 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.58** | **9.62** | **0.37** | **9.96** | |
| **20 oo** | 61190 | 10713 | 89287 | 50477 | **80 oo** |
| 10 | 61353 | 10905 | 89095 | 50448 | 90 |
| 20 | 61516 | 11097 | 88903 | 50420 | 80 |
| 30 | 61680 | 11288 | 88712 | 50391 | 70 |
| 40 | 61843 | 11480 | 88520 | 50363 | 60 |
| 50 | 62006 | 11672 | 88328 | 50334 | 50 |
| 60 | 62169 | 11863 | 88137 | 50306 | 40 |
| 70 | 62332 | 12055 | 87945 | 50277 | 30 |
| 80 | 62496 | 12247 | 87753 | 50249 | 20 |
| 90 | 62659 | 12439 | 87561 | 50220 | 10 |
| **21 oo** | 62822 | 12630 | 87370 | 50192 | **79 oo** |
| 10 | 62985 | 12822 | 87178 | 50163 | 90 |
| 20 | 63148 | 13014 | 86986 | 50135 | 80 |
| 30 | 63311 | 13205 | 86795 | 50106 | 70 |
| 40 | 63475 | 13397 | 86603 | 50078 | 60 |
| 50 | 63638 | 13589 | 86411 | 50049 | 50 |
| 60 | 63801 | 13780 | 86220 | 50021 | 40 |
| 70 | 63964 | 13972 | 86028 | 49992 | 30 |
| 80 | 64127 | 14164 | 85836 | 49964 | 20 |
| 90 | 64290 | 14355 | 85645 | 49935 | 10 |
| **22 oo** | 64453 | 14547 | 85453 | 49906 | **78 oo** |
| 10 | 64616 | 14739 | 85261 | 49878 | 90 |
| 20 | 64780 | 14930 | 85070 | 49849 | 80 |
| 30 | 64943 | 15122 | 84878 | 49821 | 70 |
| 40 | 65106 | 15313 | 84687 | 49792 | 60 |
| 50 | 65269 | 15505 | 84495 | 49764 | 50 |
| 60 | 65432 | 15697 | 84303 | 49735 | 40 |
| 70 | 65595 | 15888 | 84112 | 49707 | 30 |
| 80 | 65758 | 16080 | 83920 | 49678 | 20 |
| 90 | 65921 | 16271 | 83729 | 49650 | 10 |
| **23 oo** | 66084 | 16463 | 83537 | 49621 | **77 oo** |
| 10 | 66247 | 16654 | 83346 | 49593 | 90 |
| 20 | 66410 | 16846 | 83154 | 49564 | 80 |
| 30 | 66573 | 17038 | 82962 | 49535 | 70 |
| 40 | 66736 | 17229 | 82771 | 49507 | 60 |
| 50 | 66899 | 17421 | 82579 | 49478 | 50 |
| 60 | 67062 | 17612 | 82388 | 49450 | 40 |
| 70 | 67225 | 17804 | 82196 | 49421 | 30 |
| 80 | 67388 | 17995 | 82005 | 49393 | 20 |
| 90 | 67551 | 18187 | 81813 | 49364 | 10 |
| **24 oo** | 67714 | 18378 | 81622 | 49336 | **76 oo** |
| 10 | 67877 | 18570 | 81430 | 49307 | 90 |
| 20 | 68040 | 18761 | 81239 | 49278 | 80 |
| 30 | 68203 | 18953 | 81047 | 49250 | 70 |
| 40 | 68366 | 19144 | 80856 | 49221 | 60 |
| 50 | 68529 | 19336 | 80664 | 49193 | 50 |
| 60 | 68691 | 19527 | 80473 | 49164 | 40 |
| 70 | 68854 | 19719 | 80281 | 49136 | 30 |
| 80 | 69017 | 19910 | 80090 | 49107 | 20 |
| 90 | 69180 | 20102 | 79898 | 49078 | 10 |
| **25 oo** | 69343 | 20293 | 79707 | 49050 | **75 oo** |
| | **9.58** | **9.62** | **0.37** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 162 | 191 | 191 | 29 | 74g |

| 25g | 163 | 192 | 192 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.58** | **9.62** | **0.37** | **9.96** | |
| **25 oo** | 69343 | 20293 | 79707 | 49050 | **75 oo** |
| 10 | 69506 | 20485 | 79515 | 49021 | 90 |
| 20 | 69669 | 20676 | 79324 | 48993 | 80 |
| 30 | 69832 | 20868 | 79132 | 48964 | 70 |
| 40 | 69995 | 21059 | 78941 | 48936 | 60 |
| 50 | 70157 | 21250 | 78750 | 48907 | 50 |
| 60 | 70320 | 21442 | 78558 | 48878 | 40 |
| 70 | 70483 | 21633 | 78367 | 48850 | 30 |
| 80 | 70646 | 21825 | 78175 | 48821 | 20 |
| 90 | 70809 | 22016 | 77984 | 48793 | 10 |
| **26 oo** | 70972 | 22207 | 77793 | 48764 | **74 oo** |
| 10 | 71134 | 22399 | 77601 | 48736 | 90 |
| 20 | 71297 | 22590 | 77410 | 48707 | 80 |
| 30 | 71460 | 22782 | 77218 | 48678 | 70 |
| 40 | 71623 | 22973 | 77027 | 48650 | 60 |
| 50 | 71786 | 23164 | 76836 | 48621 | 50 |
| 60 | 71948 | 23356 | 76644 | 48593 | 40 |
| 70 | 72111 | 23547 | 76453 | 48564 | 30 |
| 80 | 72274 | 23738 | 76262 | 48535 | 20 |
| 90 | 72437 | 23930 | 76070 | 48507 | 10 |
| **27 oo** | 72599 | 24121 | 75879 | 48478 | **73 oo** |
| 10 | 72762 | 24312 | 75688 | 48450 | 90 |
| 20 | 72925 | 24504 | 75496 | 48421 | 80 |
| 30 | 73087 | 24695 | 75305 | 48392 | 70 |
| 40 | 73250 | 24886 | 75114 | 48364 | 60 |
| 50 | 73413 | 25078 | 74922 | 48335 | 50 |
| 60 | 73576 | 25269 | 74731 | 48307 | 40 |
| 70 | 73738 | 25460 | 74540 | 48278 | 30 |
| 80 | 73901 | 25652 | 74348 | 48249 | 20 |
| 90 | 74064 | 25843 | 74157 | 48221 | 10 |
| **28 oo** | 74226 | 26034 | 73966 | 48192 | **72 oo** |
| 10 | 74389 | 26225 | 73775 | 48164 | 90 |
| 20 | 74552 | 26417 | 73583 | 48135 | 80 |
| 30 | 74714 | 26608 | 73392 | 48106 | 70 |
| 40 | 74877 | 26799 | 73201 | 48078 | 60 |
| 50 | 75040 | 26990 | 73010 | 48049 | 50 |
| 60 | 75202 | 27182 | 72818 | 48021 | 40 |
| 70 | 75365 | 27373 | 72627 | 47992 | 30 |
| 80 | 75527 | 27564 | 72436 | 47963 | 20 |
| 90 | 75690 | 27755 | 72245 | 47935 | 10 |
| **29 oo** | 75853 | 27947 | 72053 | 47906 | **71 oo** |
| 10 | 76015 | 28138 | 71862 | 47877 | 90 |
| 20 | 76178 | 28329 | 71671 | 47849 | 80 |
| 30 | 76340 | 28520 | 71480 | 47820 | 70 |
| 40 | 76503 | 28711 | 71289 | 47792 | 60 |
| 50 | 76666 | 28903 | 71097 | 47763 | 50 |
| 60 | 76828 | 29094 | 70906 | 47734 | 40 |
| 70 | 76991 | 29285 | 70715 | 47706 | 30 |
| 80 | 77153 | 29476 | 70524 | 47677 | 20 |
| 90 | 77316 | 29667 | 70333 | 47648 | 10 |
| **30 oo** | 77478 | 29859 | 70141 | 47620 | **70 oo** |
| | **9.58** | **9.62** | **0.37** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 162 | 191 | 191 | 29 | 74g |

| | 192 | 191 | 164 | 163 | 162 | 29 | 28 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 19,2 | 19,1 | 16,4 | 16,3 | 16,2 | 2,9 | 2,8 | 1 |
| 2 | 38,4 | 38,2 | 32,8 | 32,6 | 32,4 | 5,8 | 5,6 | 2 |
| 3 | 57,6 | 57,3 | 49,2 | 48,9 | 48,6 | 8,7 | 8,4 | 3 |
| 4 | 76,8 | 76,4 | 65,6 | 65,2 | 64,8 | 11,6 | 11,2 | 4 |
| 5 | 96,0 | 95,5 | 82,0 | 81,5 | 81,0 | 14,5 | 14,0 | 5 |
| 6 | 115,2 | 114,6 | 98,4 | 97,8 | 97,2 | 17,4 | 16,8 | 6 |
| 7 | 134,4 | 133,7 | 114,8 | 114,1 | 113,4 | 20,3 | 19,6 | 7 |
| 8 | 153,6 | 152,8 | 131,2 | 130,4 | 129,6 | 23,2 | 22,4 | 8 |
| 9 | 172,8 | 171,9 | 147,6 | 146,7 | 145,8 | 26,1 | 25,2 | 9 |

| 25g | 163 | 192 | 192 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.58** | **9.62** | **0.37** | **9.96** | |
| **30 oo** | 77478 | 29859 | 70141 | 47620 | **70 oo** |
| 10 | 77641 | 30050 | 69950 | 47591 | 90 |
| 20 | 77803 | 30241 | 69759 | 47562 | 80 |
| 30 | 77966 | 30432 | 69568 | 47534 | 70 |
| 40 | 78128 | 30623 | 69377 | 47505 | 60 |
| 50 | 78291 | 30814 | 69186 | 47477 | 50 |
| 60 | 78453 | 31005 | 68995 | 47448 | 40 |
| 70 | 78616 | 31196 | 68804 | 47419 | 30 |
| 80 | 78778 | 31388 | 68612 | 47391 | 20 |
| 90 | 78941 | 31579 | 68421 | 47362 | 10 |
| **31 oo** | 79103 | 31770 | 68230 | 47333 | **69 oo** |
| 10 | 79266 | 31961 | 68039 | 47305 | 90 |
| 20 | 79428 | 32152 | 67848 | 47276 | 80 |
| 30 | 79590 | 32343 | 67657 | 47247 | 70 |
| 40 | 79753 | 32534 | 67466 | 47219 | 60 |
| 50 | 79915 | 32725 | 67275 | 47190 | 50 |
| 60 | 80078 | 32916 | 67084 | 47161 | 40 |
| 70 | 80240 | 33107 | 66893 | 47133 | 30 |
| 80 | 80403 | 33298 | 66702 | 47104 | 20 |
| 90 | 80565 | 33489 | 66511 | 47075 | 10 |
| **32 oo** | 80727 | 33681 | 66319 | 47047 | **68 oo** |
| 10 | 80890 | 33872 | 66128 | 47018 | 90 |
| 20 | 81052 | 34063 | 65937 | 46989 | 80 |
| 30 | 81214 | 34254 | 65746 | 46961 | 70 |
| 40 | 81377 | 34445 | 65555 | 46932 | 60 |
| 50 | 81539 | 34636 | 65364 | 46903 | 50 |
| 60 | 81701 | 34827 | 65173 | 46875 | 40 |
| 70 | 81864 | 35018 | 64982 | 46846 | 30 |
| 80 | 82026 | 35209 | 64791 | 46817 | 20 |
| 90 | 82188 | 35400 | 64600 | 46789 | 10 |
| **33 oo** | 82351 | 35591 | 64409 | 46760 | **67 oo** |
| 10 | 82513 | 35782 | 64218 | 46731 | 90 |
| 20 | 82675 | 35973 | 64027 | 46703 | 80 |
| 30 | 82838 | 36164 | 63836 | 46674 | 70 |
| 40 | 83000 | 36355 | 63645 | 46645 | 60 |
| 50 | 83162 | 36545 | 63455 | 46617 | 50 |
| 60 | 83324 | 36736 | 63264 | 46588 | 40 |
| 70 | 83487 | 36927 | 63073 | 46559 | 30 |
| 80 | 83649 | 37118 | 62882 | 46531 | 20 |
| 90 | 83811 | 37309 | 62691 | 46502 | 10 |
| **34 oo** | 83974 | 37500 | 62500 | 46473 | **66 oo** |
| 10 | 84136 | 37691 | 62309 | 46445 | 90 |
| 20 | 84298 | 37882 | 62118 | 46416 | 80 |
| 30 | 84460 | 38073 | 61927 | 46387 | 70 |
| 40 | 84622 | 38264 | 61736 | 46359 | 60 |
| 50 | 84785 | 38455 | 61545 | 46330 | 50 |
| 60 | 84947 | 38646 | 61354 | 46301 | 40 |
| 70 | 85109 | 38836 | 61164 | 46273 | 30 |
| 80 | 85271 | 39027 | 60973 | 46244 | 20 |
| 90 | 85433 | 39218 | 60782 | 46215 | 10 |
| **35 oo** | 85596 | 39409 | 60591 | 46186 | **65 oo** |
| | **9.58** | **9.62** | **0.37** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | 74g |
| | 162 | 190 | 190 | 29 | |

| 25g | 163 | 191 | 191 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.58** | **9.62** | **0.37** | **9.96** | |
| **35 oo** | 85596 | 39409 | 60591 | 46186 | **65 oo** |
| 10 | 85758 | 39600 | 60400 | 46158 | 90 |
| 20 | 85920 | 39791 | 60209 | 46129 | 80 |
| 30 | 86082 | 39982 | 60018 | 46100 | 70 |
| 40 | 86244 | 40173 | 59827 | 46072 | 60 |
| 50 | 86406 | 40363 | 59637 | 46043 | 50 |
| 60 | 86568 | 40554 | 59446 | 46014 | 40 |
| 70 | 86731 | 40745 | 59255 | 45986 | 30 |
| 80 | 86893 | 40936 | 59064 | 45957 | 20 |
| 90 | 87055 | 41127 | 58873 | 45928 | 10 |
| **36 oo** | 87217 | 41317 | 58683 | 45899 | **64 oo** |
| 10 | 87379 | 41508 | 58492 | 45871 | 90 |
| 20 | 87541 | 41699 | 58301 | 45842 | 80 |
| 30 | 87703 | 41890 | 58110 | 45813 | 70 |
| 40 | 87865 | 42081 | 57919 | 45785 | 60 |
| 50 | 88027 | 42271 | 57729 | 45756 | 50 |
| 60 | 88189 | 42462 | 57538 | 45727 | 40 |
| 70 | 88351 | 42653 | 57347 | 45698 | 30 |
| 80 | 88513 | 42844 | 57156 | 45670 | 20 |
| 90 | 88675 | 43034 | 56966 | 45641 | 10 |
| **37 oo** | 88837 | 43225 | 56775 | 45612 | **63 oo** |
| 10 | 88999 | 43416 | 56584 | 45584 | 90 |
| 20 | 89161 | 43607 | 56393 | 45555 | 80 |
| 30 | 89323 | 43797 | 56203 | 45526 | 70 |
| 40 | 89485 | 43988 | 56012 | 45497 | 60 |
| 50 | 89647 | 44179 | 55821 | 45469 | 50 |
| 60 | 89809 | 44370 | 55630 | 45440 | 40 |
| 70 | 89971 | 44560 | 55440 | 45411 | 30 |
| 80 | 90133 | 44751 | 55249 | 45382 | 20 |
| 90 | 90295 | 44942 | 55058 | 45354 | 10 |
| **38 oo** | 90457 | 45132 | 54868 | 45325 | **62 oo** |
| 10 | 90619 | 45323 | 54677 | 45296 | 90 |
| 20 | 90781 | 45514 | 54486 | 45267 | 80 |
| 30 | 90943 | 45704 | 54296 | 45239 | 70 |
| 40 | 91105 | 45895 | 54105 | 45210 | 60 |
| 50 | 91267 | 46086 | 53914 | 45181 | 50 |
| 60 | 91429 | 46276 | 53724 | 45153 | 40 |
| 70 | 91591 | 46467 | 53533 | 45124 | 30 |
| 80 | 91753 | 46658 | 53342 | 45095 | 20 |
| 90 | 91915 | 46848 | 53152 | 45066 | 10 |
| **39 oo** | 92077 | 47039 | 52961 | 45038 | **61 oo** |
| 10 | 92238 | 47230 | 52770 | 45009 | 90 |
| 20 | 92400 | 47420 | 52580 | 44980 | 80 |
| 30 | 92562 | 47611 | 52389 | 44951 | 70 |
| 40 | 92724 | 47801 | 52199 | 44923 | 60 |
| 50 | 92886 | 47992 | 52008 | 44894 | 50 |
| 60 | 93048 | 48183 | 51817 | 44865 | 40 |
| 70 | 93210 | 48373 | 51627 | 44836 | 30 |
| 80 | 93371 | 48564 | 51436 | 44808 | 20 |
| 90 | 93533 | 48754 | 51246 | 44779 | 10 |
| **40 oo** | 93695 | 48945 | 51055 | 44750 | **60 oo** |
| | **9.58** | **9.62** | **0.37** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | 74g |
| | 161 | 190 | 190 | 29 | |

| | 192 | 191 | 190 | 163 | 162 | 161 | 29 | 28 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19,2 | 19,1 | 19,0 | 16,3 | 16,2 | 16,1 | 2,9 | 2,8 | 1 |
| 2 | 38,4 | 38,2 | 38,0 | 32,6 | 32,4 | 32,2 | 5,8 | 5,6 | 2 |
| 3 | 57,6 | 57,3 | 57,0 | 48,9 | 48,6 | 48,3 | 8,7 | 8,4 | 3 |
| 4 | 76,8 | 76,4 | 76,0 | 65,2 | 64,8 | 64,4 | 11,6 | 11,2 | 4 |
| 5 | 96,0 | 95,5 | 95,0 | 81,5 | 81,0 | 80,5 | 14,5 | 14,0 | 5 |
| 6 | 115,2 | 114,6 | 114,0 | 97,8 | 97,2 | 96,6 | 17,4 | 16,8 | 6 |
| 7 | 134,4 | 133,7 | 133,0 | 114,1 | 113,4 | 112,7 | 20,3 | 19,6 | 7 |
| 8 | 153,6 | 152,8 | 152,0 | 130,4 | 129,6 | 128,8 | 23,2 | 22,4 | 8 |
| 9 | 172,8 | 171,9 | 171,0 | 146,7 | 145,8 | 144,9 | 26,1 | 25,2 | 9 |

| 25g | 162 | 191 | 191 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.58** | **9.62** | **0.37** | **9.96** | |
| **40 00** | 93695 | 48945 | 51055 | 44750 | **60 00** |
| 10 | 93857 | 49136 | 50864 | 44721 | 90 |
| 20 | 94019 | 49326 | 50674 | 44692 | 80 |
| 30 | 94180 | 49517 | 50483 | 44664 | 70 |
| 40 | 94342 | 49707 | 50293 | 44635 | 60 |
| 50 | 94504 | 49898 | 50102 | 44606 | 50 |
| 60 | 94666 | 50088 | 49912 | 44577 | 40 |
| 70 | 94828 | 50279 | 49721 | 44549 | 30 |
| 80 | 94989 | 50469 | 49531 | 44520 | 20 |
| 90 | 95151 | 50660 | 49340 | 44491 | 10 |
| **41 00** | 95313 | 50850 | 49150 | 44462 | **59 00** |
| 10 | 95474 | 51041 | 48959 | 44434 | 90 |
| 20 | 95636 | 51231 | 48769 | 44405 | 80 |
| 30 | 95798 | 51422 | 48578 | 44376 | 70 |
| 40 | 95960 | 51612 | 48388 | 44347 | 60 |
| 50 | 96121 | 51803 | 48197 | 44318 | 50 |
| 60 | 96283 | 51993 | 48007 | 44290 | 40 |
| 70 | 96445 | 52184 | 47816 | 44261 | 30 |
| 80 | 96606 | 52374 | 47626 | 44232 | 20 |
| 90 | 96768 | 52565 | 47435 | 44203 | 10 |
| **42 00** | 96930 | 52755 | 47245 | 44175 | **58 00** |
| 10 | 97091 | 52946 | 47054 | 44146 | 90 |
| 20 | 97253 | 53136 | 46864 | 44117 | 80 |
| 30 | 97415 | 53327 | 46673 | 44088 | 70 |
| 40 | 97576 | 53517 | 46483 | 44059 | 60 |
| 50 | 97738 | 53707 | 46293 | 44031 | 50 |
| 60 | 97900 | 53898 | 46102 | 44002 | 40 |
| 70 | 98061 | 54088 | 45912 | 43973 | 30 |
| 80 | 98223 | 54279 | 45721 | 43944 | 20 |
| 90 | 98385 | 54469 | 45531 | 43915 | 10 |
| **43 00** | 98546 | 54660 | 45340 | 43887 | **57 00** |
| 10 | 98708 | 54850 | 45150 | 43858 | 90 |
| 20 | 98869 | 55040 | 44960 | 43829 | 80 |
| 30 | 99031 | 55231 | 44769 | 43800 | 70 |
| 40 | 99192 | 55421 | 44579 | 43771 | 60 |
| 50 | 99354 | 55611 | 44389 | 43743 | 50 |
| 60 | 99516 | 55802 | 44198 | 43714 | 40 |
| 70 | 99677 | 55992 | 44008 | 43685 | 30 |
| 80 | 99839 | 56183 | 43817 | 43656 | 20 |
| 90 | *00000 | 56373 | 43627 | 43627 | 10 |
| **44 00** | *00162 | 56563 | 43437 | 43599 | **56 00** |
| 10 | *00323 | 56754 | 43246 | 43570 | 90 |
| 20 | *00485 | 56944 | 43056 | 43541 | 80 |
| 30 | *00646 | 57134 | 42866 | 43512 | 70 |
| 40 | *00808 | 57325 | 42675 | 43483 | 60 |
| 50 | *00969 | 57515 | 42485 | 43454 | 50 |
| 60 | *01131 | 57705 | 42295 | 43426 | 40 |
| 70 | *01292 | 57895 | 42105 | 43397 | 30 |
| 80 | *01454 | 58086 | 41914 | 43368 | 20 |
| 90 | *01615 | 58276 | 41724 | 43339 | 10 |
| **45 00** | *01777 | 58466 | 41534 | 43310 | **55 00** |
| | ***9.59** | **9.62** | **0.37** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **74g** |
| | 161 | 190 | 190 | 29 | |

| 25g | 162 | 191 | 191 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.59** | **9.62** | **0.37** | **9.96** | |
| **45 00** | 01777 | 58466 | 41534 | 43310 | **55 00** |
| 10 | 01938 | 58657 | 41343 | 43282 | 90 |
| 20 | 02100 | 58847 | 41153 | 43253 | 80 |
| 30 | 02261 | 59037 | 40963 | 43224 | 70 |
| 40 | 02422 | 59227 | 40773 | 43195 | 60 |
| 50 | 02584 | 59418 | 40582 | 43166 | 50 |
| 60 | 02745 | 59608 | 40392 | 43137 | 40 |
| 70 | 02907 | 59798 | 40202 | 43109 | 30 |
| 80 | 03068 | 59988 | 40012 | 43080 | 20 |
| 90 | 03230 | 60179 | 39821 | 43051 | 10 |
| **46 00** | 03391 | 60369 | 39631 | 43022 | **54 00** |
| 10 | 03552 | 60559 | 39441 | 42993 | 90 |
| 20 | 03714 | 60749 | 39251 | 42964 | 80 |
| 30 | 03875 | 60940 | 39060 | 42936 | 70 |
| 40 | 04036 | 61130 | 38870 | 42907 | 60 |
| 50 | 04198 | 61320 | 38680 | 42878 | 50 |
| 60 | 04359 | 61510 | 38490 | 42849 | 40 |
| 70 | 04520 | 61700 | 38300 | 42820 | 30 |
| 80 | 04682 | 61890 | 38110 | 42791 | 20 |
| 90 | 04843 | 62081 | 37919 | 42762 | 10 |
| **47 00** | 05004 | 62271 | 37729 | 42734 | **53 00** |
| 10 | 05166 | 62461 | 37539 | 42705 | 90 |
| 20 | 05327 | 62651 | 37349 | 42676 | 80 |
| 30 | 05488 | 62841 | 37159 | 42647 | 70 |
| 40 | 05650 | 63031 | 36969 | 42618 | 60 |
| 50 | 05811 | 63222 | 36778 | 42589 | 50 |
| 60 | 05972 | 63412 | 36588 | 42561 | 40 |
| 70 | 06133 | 63602 | 36398 | 42532 | 30 |
| 80 | 06295 | 63792 | 36208 | 42503 | 20 |
| 90 | 06456 | 63982 | 36018 | 42474 | 10 |
| **48 00** | 06617 | 64172 | 35828 | 42445 | **52 00** |
| 10 | 06778 | 64362 | 35638 | 42416 | 90 |
| 20 | 06940 | 64552 | 35448 | 42387 | 80 |
| 30 | 07101 | 64742 | 35258 | 42359 | 70 |
| 40 | 07262 | 64933 | 35067 | 42330 | 60 |
| 50 | 07423 | 65123 | 34877 | 42301 | 50 |
| 60 | 07585 | 65313 | 34687 | 42272 | 40 |
| 70 | 07746 | 65503 | 34497 | 42243 | 30 |
| 80 | 07907 | 65693 | 34307 | 42214 | 20 |
| 90 | 08068 | 65883 | 34117 | 42185 | 10 |
| **49 00** | 08229 | 66073 | 33927 | 42156 | **51 00** |
| 10 | 08391 | 66263 | 33737 | 42128 | 90 |
| 20 | 08552 | 66453 | 33547 | 42099 | 80 |
| 30 | 08713 | 66643 | 33357 | 42070 | 70 |
| 40 | 08874 | 66833 | 33167 | 42041 | 60 |
| 50 | 09035 | 67023 | 32977 | 42012 | 50 |
| 60 | 09196 | 67213 | 32787 | 41983 | 40 |
| 70 | 09357 | 67403 | 32597 | 41954 | 30 |
| 80 | 09519 | 67593 | 32407 | 41925 | 20 |
| 90 | 09680 | 67783 | 32217 | 41896 | 10 |
| **50 00** | 09841 | 67973 | 32027 | 41868 | **50 00** |
| | **9.59** | **9.62** | **0.37** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **74g** |
| | 161 | 190 | 190 | 29 | |

| | 191 | 190 | 162 | 161 | 29 | 28 | |
|---|---|---|---|---|---|---|---|
| 1 | 19,1 | 19,0 | 16,2 | 16,1 | 2,9 | 2,8 | 1 |
| 2 | 38,2 | 38,0 | 32,4 | 32,2 | 5,8 | 5,6 | 2 |
| 3 | 57,3 | 57,0 | 48,6 | 48,3 | 8,7 | 8,4 | 3 |
| 4 | 76,4 | 76,0 | 64,8 | 64,4 | 11,6 | 11,2 | 4 |
| 5 | 95,5 | 95,0 | 81,0 | 80,5 | 14,5 | 14,0 | 5 |
| 6 | 114,6 | 114,0 | 97,2 | 96,6 | 17,4 | 16,8 | 6 |
| 7 | 133,7 | 133,0 | 113,4 | 112,7 | 20,3 | 19,6 | 7 |
| 8 | 152,8 | 152,0 | 129,6 | 128,8 | 23,2 | 22,4 | 8 |
| 9 | 171,9 | 171,0 | 145,8 | 144,9 | 26,1 | 25,2 | 9 |

| 25g | 162 | 190 | 190 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.59** | **9.62** | **0.37** | **9.96** | |
| **50 oo** | 09841 | 67973 | 32027 | 41868 | **50 oo** |
| 10 | 10002 | 68163 | 31837 | 41839 | 90 |
| 20 | 10163 | 68353 | 31647 | 41810 | 80 |
| 30 | 10324 | 68543 | 31457 | 41781 | 70 |
| 40 | 10485 | 68733 | 31267 | 41752 | 60 |
| 50 | 10646 | 68923 | 31077 | 41723 | 50 |
| 60 | 10807 | 69113 | 30887 | 41694 | 40 |
| 70 | 10968 | 69303 | 30697 | 41665 | 30 |
| 80 | 11129 | 69493 | 30507 | 41636 | 20 |
| 90 | 11290 | 69683 | 30317 | 41608 | 10 |
| **51 oo** | 11451 | 69873 | 30127 | 41579 | **49 oo** |
| 10 | 11612 | 70063 | 29937 | 41550 | 90 |
| 20 | 11773 | 70253 | 29747 | 41521 | 80 |
| 30 | 11935 | 70443 | 29557 | 41492 | 70 |
| 40 | 12096 | 70632 | 29368 | 41463 | 60 |
| 50 | 12257 | 70822 | 29178 | 41434 | 50 |
| 60 | 12418 | 71012 | 28988 | 41405 | 40 |
| 70 | 12578 | 71202 | 28798 | 41376 | 30 |
| 80 | 12739 | 71392 | 28608 | 41347 | 20 |
| 90 | 12900 | 71582 | 28418 | 41319 | 10 |
| **52 oo** | 13061 | 71772 | 28228 | 41290 | **48 oo** |
| 10 | 13222 | 71962 | 28038 | 41261 | 90 |
| 20 | 13383 | 72152 | 27848 | 41232 | 80 |
| 30 | 13544 | 72341 | 27659 | 41203 | 70 |
| 40 | 13705 | 72531 | 27469 | 41174 | 60 |
| 50 | 13866 | 72721 | 27279 | 41145 | 50 |
| 60 | 14027 | 72911 | 27089 | 41116 | 40 |
| 70 | 14188 | 73101 | 26899 | 41087 | 30 |
| 80 | 14349 | 73291 | 26709 | 41058 | 20 |
| 90 | 14510 | 73480 | 26520 | 41029 | 10 |
| **53 oo** | 14671 | 73670 | 26330 | 41000 | **47 oo** |
| 10 | 14832 | 73860 | 26140 | 40972 | 90 |
| 20 | 14992 | 74050 | 25950 | 40943 | 80 |
| 30 | 15153 | 74240 | 25760 | 40914 | 70 |
| 40 | 15314 | 74429 | 25571 | 40885 | 60 |
| 50 | 15475 | 74619 | 25381 | 40856 | 50 |
| 60 | 15636 | 74809 | 25191 | 40827 | 40 |
| 70 | 15797 | 74999 | 25001 | 40798 | 30 |
| 80 | 15958 | 75189 | 24811 | 40769 | 20 |
| 90 | 16118 | 75378 | 24622 | 40740 | 10 |
| **54 oo** | 16279 | 75568 | 24432 | 40711 | **46 oo** |
| 10 | 16440 | 75758 | 24242 | 40682 | 90 |
| 20 | 16601 | 75948 | 24052 | 40653 | 80 |
| 30 | 16762 | 76137 | 23863 | 40624 | 70 |
| 40 | 16923 | 76327 | 23673 | 40595 | 60 |
| 50 | 17083 | 76517 | 23483 | 40566 | 50 |
| 60 | 17244 | 76707 | 23293 | 40537 | 40 |
| 70 | 17405 | 76896 | 23104 | 40509 | 30 |
| 80 | 17566 | 77086 | 22914 | 40480 | 20 |
| 90 | 17726 | 77276 | 22724 | 40451 | 10 |
| **55 oo** | 17887 | 77465 | 22535 | 40422 | **45 oo** |
| | **9.59** | **9.62** | **0.37** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | 74g |
| | 160 | 189 | 189 | 29 | |

| 25g | 161 | 190 | 190 | 28 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.59** | **9.62** | **0.37** | **9.96** | |
| **55 oo** | 17887 | 77465 | 22535 | 40422 | **45 oo** |
| 10 | 18048 | 77655 | 22345 | 40393 | 90 |
| 20 | 18209 | 77845 | 22155 | 40364 | 80 |
| 30 | 18369 | 78035 | 21965 | 40335 | 70 |
| 40 | 18530 | 78224 | 21776 | 40306 | 60 |
| 50 | 18691 | 78414 | 21586 | 40277 | 50 |
| 60 | 18852 | 78604 | 21396 | 40248 | 40 |
| 70 | 19012 | 78793 | 21207 | 40219 | 30 |
| 80 | 19173 | 78983 | 21017 | 40190 | 20 |
| 90 | 19334 | 79173 | 20827 | 40161 | 10 |
| **56 oo** | 19494 | 79362 | 20638 | 40132 | **44 oo** |
| 10 | 19655 | 79552 | 20448 | 40103 | 90 |
| 20 | 19816 | 79741 | 20259 | 40074 | 80 |
| 30 | 19976 | 79931 | 20069 | 40045 | 70 |
| 40 | 20137 | 80121 | 19879 | 40016 | 60 |
| 50 | 20298 | 80310 | 19690 | 39987 | 50 |
| 60 | 20458 | 80500 | 19500 | 39958 | 40 |
| 70 | 20619 | 80690 | 19310 | 39929 | 30 |
| 80 | 20780 | 80879 | 19121 | 39900 | 20 |
| 90 | 20940 | 81069 | 18931 | 39871 | 10 |
| **57 oo** | 21101 | 81258 | 18742 | 39842 | **43 oo** |
| 10 | 21261 | 81448 | 18552 | 39813 | 90 |
| 20 | 21422 | 81638 | 18362 | 39784 | 80 |
| 30 | 21583 | 81827 | 18173 | 39755 | 70 |
| 40 | 21743 | 82017 | 17983 | 39727 | 60 |
| 50 | 21904 | 82206 | 17794 | 39698 | 50 |
| 60 | 22064 | 82396 | 17604 | 39669 | 40 |
| 70 | 22225 | 82585 | 17415 | 39640 | 30 |
| 80 | 22385 | 82775 | 17225 | 39611 | 20 |
| 90 | 22546 | 82964 | 17036 | 39582 | 10 |
| **58 oo** | 22707 | 83154 | 16846 | 39553 | **42 oo** |
| 10 | 22867 | 83343 | 16657 | 39524 | 90 |
| 20 | 23028 | 83533 | 16467 | 39495 | 80 |
| 30 | 23188 | 83723 | 16277 | 39466 | 70 |
| 40 | 23349 | 83912 | 16088 | 39437 | 60 |
| 50 | 23509 | 84102 | 15898 | 39408 | 50 |
| 60 | 23670 | 84291 | 15709 | 39379 | 40 |
| 70 | 23830 | 84481 | 15519 | 39350 | 30 |
| 80 | 23991 | 84670 | 15330 | 39321 | 20 |
| 90 | 24151 | 84860 | 15140 | 39292 | 10 |
| **59 oo** | 24312 | 85049 | 14951 | 39263 | **41 oo** |
| 10 | 24472 | 85238 | 14762 | 39234 | 90 |
| 20 | 24633 | 85428 | 14572 | 39205 | 80 |
| 30 | 24793 | 85617 | 14383 | 39176 | 70 |
| 40 | 24953 | 85807 | 14193 | 39147 | 60 |
| 50 | 25114 | 85996 | 14004 | 39118 | 50 |
| 60 | 25274 | 86186 | 13814 | 39089 | 40 |
| 70 | 25435 | 86375 | 13625 | 39060 | 30 |
| 80 | 25595 | 86565 | 13435 | 39031 | 20 |
| 90 | 25756 | 86754 | 13246 | 39002 | 10 |
| **60 oo** | 25916 | 86943 | 13057 | 38973 | **40 oo** |
| | **9.59** | **9.62** | **0.37** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | 74g |
| | 160 | 189 | 189 | 29 | |

| | 190 | 189 | 162 | 161 | 160 | 29 | 28 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 19,0 | 18,9 | 16,2 | 16,1 | 16,0 | 2,9 | 2,8 | 1 |
| 2 | 38,0 | 37,8 | 32,4 | 32,2 | 32,0 | 5,8 | 5,6 | 2 |
| 3 | 57,0 | 56,7 | 48,6 | 48,3 | 48,0 | 8,7 | 8,4 | 3 |
| 4 | 76,0 | 75,6 | 64,8 | 64,4 | 64,0 | 11,6 | 11,2 | 4 |
| 5 | 95,0 | 94,5 | 81,0 | 80,5 | 80,0 | 14,5 | 14,0 | 5 |
| 6 | 114,0 | 113,4 | 97,2 | 96,6 | 96,0 | 17,4 | 16,8 | 6 |
| 7 | 133,0 | 132,3 | 113,4 | 112,7 | 112,0 | 20,3 | 19,6 | 7 |
| 8 | 152,0 | 151,2 | 129,6 | 128,8 | 128,0 | 23,2 | 22,4 | 8 |
| 9 | 171,0 | 170,1 | 145,8 | 144,9 | 144,0 | 26,1 | 25,2 | 9 |

| 25g | 161 | 190 | 190 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.59** | **9.62** | **0.37** | **9.96** | |
| **60 oo** | 25916 | 86943 | 13057 | 38973 | **40 oo** |
| 10 | 26076 | 87133 | 12867 | 38944 | 90 |
| 20 | 26237 | 87322 | 12678 | 38915 | 80 |
| 30 | 26397 | 87512 | 12488 | 38886 | 70 |
| 40 | 26558 | 87701 | 12299 | 38857 | 60 |
| 50 | 26718 | 87890 | 12110 | 38828 | 50 |
| 60 | 26878 | 88080 | 11920 | 38798 | 40 |
| 70 | 27039 | 88269 | 11731 | 38769 | 30 |
| 80 | 27199 | 88459 | 11541 | 38740 | 20 |
| 90 | 27359 | 88648 | 11352 | 38711 | 10 |
| **61 oo** | 27520 | 88837 | 11163 | 38682 | **39 oo** |
| 10 | 27680 | 89027 | 10973 | 38653 | 90 |
| 20 | 27840 | 89216 | 10784 | 38624 | 80 |
| 30 | 28001 | 89405 | 10595 | 38595 | 70 |
| 40 | 28161 | 89595 | 10405 | 38566 | 60 |
| 50 | 28321 | 89784 | 10216 | 38537 | 50 |
| 60 | 28482 | 89973 | 10027 | 38508 | 40 |
| 70 | 28642 | 90163 | 09837 | 38479 | 30 |
| 80 | 28802 | 90352 | 09648 | 38450 | 20 |
| 90 | 28962 | 90541 | 09459 | 38421 | 10 |
| **62 oo** | 29123 | 90731 | 09269 | 38392 | **38 oo** |
| 10 | 29283 | 90920 | 09080 | 38363 | 90 |
| 20 | 29443 | 91109 | 08891 | 38334 | 80 |
| 30 | 29603 | 91298 | 08702 | 38305 | 70 |
| 40 | 29764 | 91488 | 08512 | 38276 | 60 |
| 50 | 29924 | 91677 | 08323 | 38247 | 50 |
| 60 | 30084 | 91866 | 08134 | 38218 | 40 |
| 70 | 30244 | 92056 | 07944 | 38189 | 30 |
| 80 | 30405 | 92245 | 07755 | 38160 | 20 |
| 90 | 30565 | 92434 | 07566 | 38131 | 10 |
| **63 oo** | 30725 | 92623 | 07377 | 38102 | **37 oo** |
| 10 | 30885 | 92813 | 07187 | 38073 | 90 |
| 20 | 31045 | 93002 | 06998 | 38044 | 80 |
| 30 | 31205 | 93191 | 06809 | 38014 | 70 |
| 40 | 31366 | 93380 | 06620 | 37985 | 60 |
| 50 | 31526 | 93569 | 06431 | 37956 | 50 |
| 60 | 31686 | 93759 | 06241 | 37927 | 40 |
| 70 | 31846 | 93948 | 06052 | 37898 | 30 |
| 80 | 32006 | 94137 | 05863 | 37869 | 20 |
| 90 | 32166 | 94326 | 05674 | 37840 | 10 |
| **64 oo** | 32327 | 94515 | 05485 | 37811 | **36 oo** |
| 10 | 32487 | 94705 | 05295 | 37782 | 90 |
| 20 | 32647 | 94894 | 05106 | 37753 | 80 |
| 30 | 32807 | 95083 | 04917 | 37724 | 70 |
| 40 | 32967 | 95272 | 04728 | 37695 | 60 |
| 50 | 33127 | 95461 | 04539 | 37666 | 50 |
| 60 | 33287 | 95650 | 04350 | 37637 | 40 |
| 70 | 33447 | 95840 | 04160 | 37608 | 30 |
| 80 | 33607 | 96029 | 03971 | 37578 | 20 |
| 90 | 33767 | 96218 | 03782 | 37549 | 10 |
| **65 oo** | 33927 | 96407 | 03593 | 37520 | **35 oo** |
| | **9.59** | **9.62** | **0.37** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **74g** |
| | 160 | 189 | 189 | 30 | |

| 25g | 161 | 190 | 190 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.59** | ***9.62** | ***0.37** | **9.96** | |
| **65 oo** | 33927 | *96407 | *03593 | 37520 | **35 oo** |
| 10 | 34087 | *96596 | *03404 | 37491 | 90 |
| 20 | 34247 | *96785 | *03215 | 37462 | 80 |
| 30 | 34408 | *96974 | *03026 | 37433 | 70 |
| 40 | 34568 | *97164 | *02836 | 37404 | 60 |
| 50 | 34728 | *97353 | *02647 | 37375 | 50 |
| 60 | 34888 | *97542 | *02458 | 37346 | 40 |
| 70 | 35048 | *97731 | *02269 | 37317 | 30 |
| 80 | 35208 | *97920 | *02080 | 37288 | 20 |
| 90 | 35368 | *98109 | *01891 | 37259 | 10 |
| **66 oo** | 35528 | *98298 | *01702 | 37230 | **34 oo** |
| 10 | 35688 | *98487 | *01513 | 37200 | 90 |
| 20 | 35848 | *98676 | *01324 | 37171 | 80 |
| 30 | 36007 | *98865 | *01135 | 37142 | 70 |
| 40 | 36167 | *99054 | *00946 | 37113 | 60 |
| 50 | 36327 | *99243 | *00757 | 37084 | 50 |
| 60 | 36487 | *99432 | *00568 | 37055 | 40 |
| 70 | 36647 | *99621 | *00379 | 37026 | 30 |
| 80 | 36807 | *99810 | *00190 | 36997 | 20 |
| 90 | 36967 | *99999 | *00001 | 36968 | 10 |
| **67 oo** | 37127 | 00188 | 99812 | 36939 | **33 oo** |
| 10 | 37287 | 00378 | 99622 | 36909 | 90 |
| 20 | 37447 | 00567 | 99433 | 36880 | 80 |
| 30 | 37607 | 00756 | 99244 | 36851 | 70 |
| 40 | 37767 | 00945 | 99055 | 36822 | 60 |
| 50 | 37927 | 01133 | 98867 | 36793 | 50 |
| 60 | 38086 | 01322 | 98678 | 36764 | 40 |
| 70 | 38246 | 01511 | 98489 | 36735 | 30 |
| 80 | 38406 | 01700 | 98300 | 36706 | 20 |
| 90 | 38566 | 01889 | 98111 | 36677 | 10 |
| **68 oo** | 38726 | 02078 | 97922 | 36647 | **32 oo** |
| 10 | 38886 | 02267 | 97733 | 36618 | 90 |
| 20 | 39046 | 02456 | 97544 | 36589 | 80 |
| 30 | 39205 | 02645 | 97355 | 36560 | 70 |
| 40 | 39365 | 02834 | 97166 | 36531 | 60 |
| 50 | 39525 | 03023 | 96977 | 36502 | 50 |
| 60 | 39685 | 03212 | 96788 | 36473 | 40 |
| 70 | 39845 | 03401 | 96599 | 36444 | 30 |
| 80 | 40004 | 03590 | 96410 | 36415 | 20 |
| 90 | 40164 | 03779 | 96221 | 36385 | 10 |
| **69 oo** | 40324 | 03968 | 96032 | 36356 | **31 oo** |
| 10 | 40484 | 04157 | 95843 | 36327 | 90 |
| 20 | 40643 | 04345 | 95655 | 36298 | 80 |
| 30 | 40803 | 04534 | 95466 | 36269 | 70 |
| 40 | 40963 | 04723 | 95277 | 36240 | 60 |
| 50 | 41123 | 04912 | 95088 | 36211 | 50 |
| 60 | 41282 | 05101 | 94899 | 36181 | 40 |
| 70 | 41442 | 05290 | 94710 | 36152 | 30 |
| 80 | 41602 | 05479 | 94521 | 36123 | 20 |
| 90 | 41762 | 05668 | 94332 | 36094 | 10 |
| **70 oo** | 41921 | 05856 | 94144 | 36065 | **30 oo** |
| | **9.59** | **9.63** | **0.36** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **74g** |
| | 159 | 188 | 188 | 30 | |

| | 190 | 189 | 188 | 161 | 160 | 159 | 30 | 29 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19,0 | 18,9 | 18,8 | 16,1 | 16,0 | 15,9 | 3,0 | 2,9 | 1 |
| 2 | 38,0 | 37,8 | 37,6 | 32,2 | 32,0 | 31,8 | 6,0 | 5,8 | 2 |
| 3 | 57,0 | 56,7 | 56,4 | 48,3 | 48,0 | 47,7 | 9,0 | 8,7 | 3 |
| 4 | 76,0 | 75,6 | 75,2 | 64,4 | 64,0 | 63,6 | 12,0 | 11,6 | 4 |
| 5 | 95,0 | 94,5 | 94,0 | 80,5 | 80,0 | 79,5 | 15,0 | 14,5 | 5 |
| 6 | 114,0 | 113,4 | 112,8 | 96,6 | 96,0 | 95,4 | 18,0 | 17,4 | 6 |
| 7 | 133,0 | 132,3 | 131,6 | 112,7 | 112,0 | 111,3 | 21,0 | 20,3 | 7 |
| 8 | 152,0 | 151,2 | 150,4 | 128,8 | 128,0 | 127,2 | 24,0 | 23,2 | 8 |
| 9 | 171,0 | 170,1 | 169,2 | 144,9 | 144,0 | 143,1 | 27,0 | 26,1 | 9 |

| 25g | 160 | 189 | 189 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.59** | **9.63** | **0.36** | **9.96** | |
| **70 oo** | 41921 | 05856 | 94144 | 36065 | **30 oo** |
| 10 | 42081 | 06045 | 93955 | 36036 | 90 |
| 20 | 42241 | 06234 | 93766 | 36007 | 80 |
| 30 | 42400 | 06423 | 93577 | 35977 | 70 |
| 40 | 42560 | 06612 | 93388 | 35948 | 60 |
| 50 | 42720 | 06801 | 93199 | 35919 | 50 |
| 60 | 42879 | 06989 | 93011 | 35890 | 40 |
| 70 | 43039 | 07178 | 92822 | 35861 | 30 |
| 80 | 43199 | 07367 | 92633 | 35832 | 20 |
| 90 | 43358 | 07556 | 92444 | 35803 | 10 |
| **71 oo** | 43518 | 07745 | 92255 | 35773 | **29 oo** |
| 10 | 43678 | 07933 | 92067 | 35744 | 90 |
| 20 | 43837 | 08122 | 91878 | 35715 | 80 |
| 30 | 43997 | 08311 | 91689 | 35686 | 70 |
| 40 | 44157 | 08500 | 91500 | 35657 | 60 |
| 50 | 44316 | 08688 | 91312 | 35628 | 50 |
| 60 | 44476 | 08877 | 91123 | 35599 | 40 |
| 70 | 44635 | 09066 | 90934 | 35569 | 30 |
| 80 | 44795 | 09255 | 90745 | 35540 | 20 |
| 90 | 44954 | 09443 | 90557 | 35511 | 10 |
| **72 oo** | 45114 | 09632 | 90368 | 35482 | **28 oo** |
| 10 | 45274 | 09821 | 90179 | 35453 | 90 |
| 20 | 45433 | 10010 | 89990 | 35424 | 80 |
| 30 | 45593 | 10198 | 89802 | 35394 | 70 |
| 40 | 45752 | 10387 | 89613 | 35365 | 60 |
| 50 | 45912 | 10576 | 89424 | 35336 | 50 |
| 60 | 46071 | 10764 | 89236 | 35307 | 40 |
| 70 | 46231 | 10953 | 89047 | 35278 | 30 |
| 80 | 46390 | 11142 | 88858 | 35249 | 20 |
| 90 | 46550 | 11331 | 88669 | 35219 | 10 |
| **73 oo** | 46709 | 11519 | 88481 | 35190 | **27 oo** |
| 10 | 46869 | 11708 | 88292 | 35161 | 90 |
| 20 | 47028 | 11897 | 88103 | 35132 | 80 |
| 30 | 47188 | 12085 | 87915 | 35103 | 70 |
| 40 | 47347 | 12274 | 87726 | 35073 | 60 |
| 50 | 47507 | 12463 | 87537 | 35044 | 50 |
| 60 | 47666 | 12651 | 87349 | 35015 | 40 |
| 70 | 47826 | 12840 | 87160 | 34986 | 30 |
| 80 | 47985 | 13028 | 86972 | 34957 | 20 |
| 90 | 48145 | 13217 | 86783 | 34927 | 10 |
| **74 oo** | 48304 | 13406 | 86594 | 34898 | **26 oo** |
| 10 | 48463 | 13594 | 86406 | 34869 | 90 |
| 20 | 48623 | 13783 | 86217 | 34840 | 80 |
| 30 | 48782 | 13971 | 86029 | 34811 | 70 |
| 40 | 48942 | 14160 | 85840 | 34782 | 60 |
| 50 | 49101 | 14349 | 85651 | 34752 | 50 |
| 60 | 49260 | 14537 | 85463 | 34723 | 40 |
| 70 | 49420 | 14726 | 85274 | 34694 | 30 |
| 80 | 49579 | 14914 | 85086 | 34665 | 20 |
| 90 | 49739 | 15103 | 84897 | 34636 | 10 |
| **75 oo** | 49898 | 15292 | 84708 | 34606 | **25 oo** |
| | **9.59** | **9.63** | **0.36** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | 74g |
| | 159 | 188 | 188 | 30 | |

| 25g | 160 | 189 | 189 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.59** | **9.63** | **0.36** | **9.96** | |
| **75 oo** | 49898 | 15292 | 84708 | 34606 | **25 oo** |
| 10 | 50057 | 15480 | 84520 | 34577 | 90 |
| 20 | 50217 | 15669 | 84331 | 34548 | 80 |
| 30 | 50376 | 15857 | 84143 | 34519 | 70 |
| 40 | 50535 | 16046 | 83954 | 34490 | 60 |
| 50 | 50695 | 16234 | 83766 | 34460 | 50 |
| 60 | 50854 | 16423 | 83577 | 34431 | 40 |
| 70 | 51013 | 16611 | 83389 | 34402 | 30 |
| 80 | 51173 | 16800 | 83200 | 34373 | 20 |
| 90 | 51332 | 16988 | 83012 | 34343 | 10 |
| **76 oo** | 51491 | 17177 | 82823 | 34314 | **24 oo** |
| 10 | 51650 | 17365 | 82635 | 34285 | 90 |
| 20 | 51810 | 17554 | 82446 | 34256 | 80 |
| 30 | 51969 | 17742 | 82258 | 34227 | 70 |
| 40 | 52128 | 17931 | 82069 | 34197 | 60 |
| 50 | 52288 | 18119 | 81881 | 34168 | 50 |
| 60 | 52447 | 18308 | 81692 | 34139 | 40 |
| 70 | 52606 | 18496 | 81504 | 34110 | 30 |
| 80 | 52765 | 18685 | 81315 | 34080 | 20 |
| 90 | 52924 | 18873 | 81127 | 34051 | 10 |
| **77 oo** | 53084 | 19062 | 80938 | 34022 | **23 oo** |
| 10 | 53243 | 19250 | 80750 | 33993 | 90 |
| 20 | 53402 | 19439 | 80561 | 33964 | 80 |
| 30 | 53561 | 19627 | 80373 | 33934 | 70 |
| 40 | 53721 | 19815 | 80185 | 33905 | 60 |
| 50 | 53880 | 20004 | 79996 | 33876 | 50 |
| 60 | 54039 | 20192 | 79808 | 33847 | 40 |
| 70 | 54198 | 20381 | 79619 | 33817 | 30 |
| 80 | 54357 | 20569 | 79431 | 33788 | 20 |
| 90 | 54516 | 20757 | 79243 | 33759 | 10 |
| **78 oo** | 54676 | 20946 | 79054 | 33730 | **22 oo** |
| 10 | 54835 | 21134 | 78866 | 33700 | 90 |
| 20 | 54994 | 21323 | 78677 | 33671 | 80 |
| 30 | 55153 | 21511 | 78489 | 33642 | 70 |
| 40 | 55312 | 21699 | 78301 | 33613 | 60 |
| 50 | 55471 | 21888 | 78112 | 33583 | 50 |
| 60 | 55630 | 22076 | 77924 | 33554 | 40 |
| 70 | 55789 | 22264 | 77736 | 33525 | 30 |
| 80 | 55949 | 22453 | 77547 | 33496 | 20 |
| 90 | 56108 | 22641 | 77359 | 33466 | 10 |
| **79 oo** | 56267 | 22830 | 77170 | 33437 | **21 oo** |
| 10 | 56426 | 23018 | 76982 | 33408 | 90 |
| 20 | 56585 | 23206 | 76794 | 33379 | 80 |
| 30 | 56744 | 23395 | 76605 | 33349 | 70 |
| 40 | 56903 | 23583 | 76417 | 33320 | 60 |
| 50 | 57062 | 23771 | 76229 | 33291 | 50 |
| 60 | 57221 | 23959 | 76041 | 33262 | 40 |
| 70 | 57380 | 24148 | 75852 | 33232 | 30 |
| 80 | 57539 | 24336 | 75664 | 33203 | 20 |
| 90 | 57698 | 24524 | 75476 | 33174 | 10 |
| **80 oo** | 57857 | 24713 | 75287 | 33145 | **20 oo** |
| | **9.59** | **9.63** | **0.36** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | 74g |
| | 159 | 188 | 188 | 30 | |

| | 189 | 188 | 160 | 159 | 30 | 29 | |
|---|---|---|---|---|---|---|---|
| 1 | 18,9 | 18,8 | 16,0 | 15,9 | 3,0 | 2,9 | 1 |
| 2 | 37,8 | 37,6 | 32,0 | 31,8 | 6,0 | 5,8 | 2 |
| 3 | 56,7 | 56,4 | 48,0 | 47,7 | 9,0 | 8,7 | 3 |
| 4 | 75,6 | 75,2 | 64,0 | 63,6 | 12,0 | 11,6 | 4 |
| 5 | 94,5 | 94,0 | 80,0 | 79,5 | 15,0 | 14,5 | 5 |
| 6 | 113,4 | 112,8 | 96,0 | 95,4 | 18,0 | 17,4 | 6 |
| 7 | 132,3 | 131,6 | 112,0 | 111,3 | 21,0 | 20,3 | 7 |
| 8 | 151,2 | 150,4 | 128,0 | 127,2 | 24,0 | 23,2 | 8 |
| 9 | 170,1 | 169,2 | 144,0 | 143,1 | 27,0 | 26,1 | 9 |

| 25g | 159 | 189 | 189 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.59** | **9.63** | **0.36** | **9.96** | |
| **80 oo** | 57857 | 24713 | 75287 | 33145 | **20 oo** |
| 10 | 58016 | 24901 | 75099 | 33115 | 90 |
| 20 | 58175 | 25089 | 74911 | 33086 | 80 |
| 30 | 58334 | 25277 | 74723 | 33057 | 70 |
| 40 | 58493 | 25466 | 74534 | 33028 | 60 |
| 50 | 58652 | 25654 | 74346 | 32998 | 50 |
| 60 | 58811 | 25842 | 74158 | 32969 | 40 |
| 70 | 58970 | 26030 | 73970 | 32940 | 30 |
| 80 | 59129 | 26219 | 73781 | 32910 | 20 |
| 90 | 59288 | 26407 | 73593 | 32881 | 10 |
| **81 oo** | 59447 | 26595 | 73405 | 32852 | **19 oo** |
| 10 | 59606 | 26783 | 73217 | 32823 | 90 |
| 20 | 59765 | 26972 | 73028 | 32793 | 80 |
| 30 | 59924 | 27160 | 72840 | 32764 | 70 |
| 40 | 60083 | 27348 | 72652 | 32735 | 60 |
| 50 | 60242 | 27536 | 72464 | 32705 | 50 |
| 60 | 60401 | 27724 | 72276 | 32676 | 40 |
| 70 | 60559 | 27913 | 72087 | 32647 | 30 |
| 80 | 60718 | 28101 | 71899 | 32618 | 20 |
| 90 | 60877 | 28289 | 71711 | 32588 | 10 |
| **82 oo** | 61036 | 28477 | 71523 | 32559 | **18 oo** |
| 10 | 61195 | 28665 | 71335 | 32530 | 90 |
| 20 | 61354 | 28853 | 71147 | 32500 | 80 |
| 30 | 61513 | 29042 | 70958 | 32471 | 70 |
| 40 | 61672 | 29230 | 70770 | 32442 | 60 |
| 50 | 61830 | 29418 | 70582 | 32413 | 50 |
| 60 | 61989 | 29606 | 70394 | 32383 | 40 |
| 70 | 62148 | 29794 | 70206 | 32354 | 30 |
| 80 | 62307 | 29982 | 70018 | 32325 | 20 |
| 90 | 62466 | 30170 | 69830 | 32295 | 10 |
| **83 oo** | 62624 | 30358 | 69642 | 32266 | **17 oo** |
| 10 | 62783 | 30547 | 69453 | 32237 | 90 |
| 20 | 62942 | 30735 | 69265 | 32207 | 80 |
| 30 | 63101 | 30923 | 69077 | 32178 | 70 |
| 40 | 63260 | 31111 | 68889 | 32149 | 60 |
| 50 | 63418 | 31299 | 68701 | 32119 | 50 |
| 60 | 63577 | 31487 | 68513 | 32090 | 40 |
| 70 | 63736 | 31675 | 68325 | 32061 | 30 |
| 80 | 63895 | 31863 | 68137 | 32032 | 20 |
| 90 | 64053 | 32051 | 67949 | 32002 | 10 |
| **84 oo** | 64212 | 32239 | 67761 | 31973 | **16 oo** |
| 10 | 64371 | 32427 | 67573 | 31944 | 90 |
| 20 | 64530 | 32615 | 67385 | 31914 | 80 |
| 30 | 64688 | 32803 | 67197 | 31885 | 70 |
| 40 | 64847 | 32991 | 67009 | 31856 | 60 |
| 50 | 65006 | 33180 | 66820 | 31826 | 50 |
| 60 | 65165 | 33368 | 66632 | 31797 | 40 |
| 70 | 65323 | 33556 | 66444 | 31768 | 30 |
| 80 | 65482 | 33744 | 66256 | 31738 | 20 |
| 90 | 65641 | 33932 | 66068 | 31709 | 10 |
| **85 oo** | 65799 | 34120 | 65880 | 31680 | **15 oo** |
| | **9.59** | **9.63** | **0.36** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **74g** |
| | 158 | 188 | 188 | 30 | |

| 25g | 159 | 188 | 188 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.59** | **9.63** | **0.36** | **9.96** | |
| **85 oo** | 65799 | 34120 | 65880 | 31680 | **15 oo** |
| 10 | 65958 | 34308 | 65692 | 31650 | 90 |
| 20 | 66117 | 34496 | 65504 | 31621 | 80 |
| 30 | 66275 | 34684 | 65316 | 31592 | 70 |
| 40 | 66434 | 34872 | 65128 | 31562 | 60 |
| 50 | 66592 | 35060 | 64940 | 31533 | 50 |
| 60 | 66751 | 35247 | 64753 | 31504 | 40 |
| 70 | 66910 | 35435 | 64565 | 31474 | 30 |
| 80 | 67068 | 35623 | 64377 | 31445 | 20 |
| 90 | 67227 | 35811 | 64189 | 31416 | 10 |
| **86 oo** | 67386 | 35999 | 64001 | 31386 | **14 oo** |
| 10 | 67544 | 36187 | 63813 | 31357 | 90 |
| 20 | 67703 | 36375 | 63625 | 31328 | 80 |
| 30 | 67861 | 36563 | 63437 | 31298 | 70 |
| 40 | 68020 | 36751 | 63249 | 31269 | 60 |
| 50 | 68178 | 36939 | 63061 | 31240 | 50 |
| 60 | 68337 | 37127 | 62873 | 31210 | 40 |
| 70 | 68496 | 37315 | 62685 | 31181 | 30 |
| 80 | 68654 | 37503 | 62497 | 31152 | 20 |
| 90 | 68813 | 37691 | 62309 | 31122 | 10 |
| **87 oo** | 68971 | 37878 | 62122 | 31093 | **13 oo** |
| 10 | 69130 | 38066 | 61934 | 31063 | 90 |
| 20 | 69288 | 38254 | 61746 | 31034 | 80 |
| 30 | 69447 | 38442 | 61558 | 31005 | 70 |
| 40 | 69605 | 38630 | 61370 | 30975 | 60 |
| 50 | 69764 | 38818 | 61182 | 30946 | 50 |
| 60 | 69922 | 39006 | 60994 | 30917 | 40 |
| 70 | 70081 | 39194 | 60806 | 30887 | 30 |
| 80 | 70239 | 39381 | 60619 | 30858 | 20 |
| 90 | 70398 | 39569 | 60431 | 30829 | 10 |
| **88 oo** | 70556 | 39757 | 60243 | 30799 | **12 oo** |
| 10 | 70715 | 39945 | 60055 | 30770 | 90 |
| 20 | 70873 | 40133 | 59867 | 30740 | 80 |
| 30 | 71032 | 40321 | 59679 | 30711 | 70 |
| 40 | 71190 | 40508 | 59492 | 30682 | 60 |
| 50 | 71348 | 40696 | 59304 | 30652 | 50 |
| 60 | 71507 | 40884 | 59116 | 30623 | 40 |
| 70 | 71665 | 41072 | 58928 | 30594 | 30 |
| 80 | 71824 | 41260 | 58740 | 30564 | 20 |
| 90 | 71982 | 41447 | 58553 | 30535 | 10 |
| **89 oo** | 72141 | 41635 | 58365 | 30505 | **11 oo** |
| 10 | 72299 | 41823 | 58177 | 30476 | 90 |
| 20 | 72457 | 42011 | 57989 | 30447 | 80 |
| 30 | 72616 | 42198 | 57802 | 30417 | 70 |
| 40 | 72774 | 42386 | 57614 | 30388 | 60 |
| 50 | 72932 | 42574 | 57426 | 30359 | 50 |
| 60 | 73091 | 42762 | 57238 | 30329 | 40 |
| 70 | 73249 | 42949 | 57051 | 30300 | 30 |
| 80 | 73407 | 43137 | 56863 | 30270 | 20 |
| 90 | 73566 | 43325 | 56675 | 30241 | 10 |
| **90 oo** | 73724 | 43513 | 56487 | 30212 | **10 oo** |
| | **9.59** | **9.63** | **0.36** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **74g** |
| | 158 | 187 | 187 | 30 | |

| | 189 | 188 | 187 | 159 | 158 | 30 | 29 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 18,9 | 18,8 | 18,7 | 15,9 | 15,8 | 3,0 | 2,9 | 1 |
| 2 | 37,8 | 37,6 | 37,4 | 31,8 | 31,6 | 6,0 | 5,8 | 2 |
| 3 | 56,7 | 56,4 | 56,1 | 47,7 | 47,4 | 9,0 | 8,7 | 3 |
| 4 | 75,6 | 75,2 | 74,8 | 63,6 | 63,2 | 12,0 | 11,6 | 4 |
| 5 | 94,5 | 94,0 | 93,5 | 79,5 | 79,0 | 15,0 | 14,5 | 5 |
| 6 | 113,4 | 112,8 | 112,2 | 95,4 | 94,8 | 18,0 | 17,4 | 6 |
| 7 | 132,3 | 131,6 | 130,9 | 111,3 | 110,6 | 21,0 | 20,3 | 7 |
| 8 | 151,2 | 150,4 | 149,6 | 127,2 | 126,4 | 24,0 | 23,2 | 8 |
| 9 | 170,1 | 169,2 | 168,3 | 143,1 | 142,2 | 27,0 | 26,1 | 9 |

| 25g | 159 | 188 | 188 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.59** | **9.63** | **0.36** | **9.96** | |
| **90 oo** | 73724 | 43513 | 56487 | 30212 | **10 oo** |
| 10 | 73882 | 43700 | 56300 | 30182 | 90 |
| 20 | 74041 | 43888 | 56112 | 30153 | 80 |
| 30 | 74199 | 44076 | 55924 | 30123 | 70 |
| 40 | 74357 | 44263 | 55737 | 30094 | 60 |
| 50 | 74516 | 44451 | 55549 | 30065 | 50 |
| 60 | 74674 | 44639 | 55361 | 30035 | 40 |
| 70 | 74832 | 44826 | 55174 | 30006 | 30 |
| 80 | 74991 | 45014 | 54986 | 29976 | 20 |
| 90 | 75149 | 45202 | 54798 | 29947 | 10 |
| **91 oo** | 75307 | 45389 | 54611 | 29918 | **09 oo** |
| 10 | 75465 | 45577 | 54423 | 29888 | 90 |
| 20 | 75624 | 45765 | 54235 | 29859 | 80 |
| 30 | 75782 | 45952 | 54048 | 29829 | 70 |
| 40 | 75940 | 46140 | 53860 | 29800 | 60 |
| 50 | 76098 | 46328 | 53672 | 29771 | 50 |
| 60 | 76256 | 46515 | 53485 | 29741 | 40 |
| 70 | 76415 | 46703 | 53297 | 29712 | 30 |
| 80 | 76573 | 46891 | 53109 | 29682 | 20 |
| 90 | 76731 | 47078 | 52922 | 29653 | 10 |
| **92 oo** | 76889 | 47266 | 52734 | 29623 | **08 oo** |
| 10 | 77047 | 47453 | 52547 | 29594 | 90 |
| 20 | 77206 | 47641 | 52359 | 29565 | 80 |
| 30 | 77364 | 47829 | 52171 | 29535 | 70 |
| 40 | 77522 | 48016 | 51984 | 29506 | 60 |
| 50 | 77680 | 48204 | 51796 | 29476 | 50 |
| 60 | 77838 | 48391 | 51609 | 29447 | 40 |
| 70 | 77996 | 48579 | 51421 | 29417 | 30 |
| 80 | 78155 | 48767 | 51233 | 29388 | 20 |
| 90 | 78313 | 48954 | 51046 | 29359 | 10 |
| **93 oo** | 78471 | 49142 | 50858 | 29329 | **07 oo** |
| 10 | 78629 | 49329 | 50671 | 29300 | 90 |
| 20 | 78787 | 49517 | 50483 | 29270 | 80 |
| 30 | 78945 | 49704 | 50296 | 29241 | 70 |
| 40 | 79103 | 49892 | 50108 | 29211 | 60 |
| 50 | 79261 | 50079 | 49921 | 29182 | 50 |
| 60 | 79419 | 50267 | 49733 | 29153 | 40 |
| 70 | 79578 | 50454 | 49546 | 29123 | 30 |
| 80 | 79736 | 50642 | 49358 | 29094 | 20 |
| 90 | 79894 | 50829 | 49171 | 29064 | 10 |
| **94 oo** | 80052 | 51017 | 48983 | 29035 | **06 oo** |
| 10 | 80210 | 51204 | 48796 | 29005 | 90 |
| 20 | 80368 | 51392 | 48608 | 28976 | 80 |
| 30 | 80526 | 51579 | 48421 | 28946 | 70 |
| 40 | 80684 | 51767 | 48233 | 28917 | 60 |
| 50 | 80842 | 51954 | 48046 | 28888 | 50 |
| 60 | 81000 | 52142 | 47858 | 28858 | 40 |
| 70 | 81158 | 52329 | 47671 | 28829 | 30 |
| 80 | 81316 | 52517 | 47483 | 28799 | 20 |
| 90 | 81474 | 52704 | 47296 | 28770 | 10 |
| **95 oo** | 81632 | 52892 | 47108 | 28740 | **05 oo** |
| | **9.59** | **9.63** | **0.36** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **74g** |
| | 158 | 187 | 187 | 30 | |

| 25g | 158 | 188 | 188 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.59** | **9.63** | **0.36** | **9.96** | |
| **95 oo** | 81632 | 52892 | 47108 | 28740 | **05 oo** |
| 10 | 81790 | 53079 | 46921 | 28711 | 90 |
| 20 | 81948 | 53266 | 46734 | 28681 | 80 |
| 30 | 82106 | 53454 | 46546 | 28652 | 70 |
| 40 | 82264 | 53641 | 46359 | 28622 | 60 |
| 50 | 82422 | 53829 | 46171 | 28593 | 50 |
| 60 | 82580 | 54016 | 45984 | 28564 | 40 |
| 70 | 82738 | 54204 | 45796 | 28534 | 30 |
| 80 | 82896 | 54391 | 45609 | 28505 | 20 |
| 90 | 83053 | 54578 | 45422 | 28475 | 10 |
| **96 oo** | 83211 | 54766 | 45234 | 28446 | **04 oo** |
| 10 | 83369 | 54953 | 45047 | 28416 | 90 |
| 20 | 83527 | 55141 | 44859 | 28387 | 80 |
| 30 | 83685 | 55328 | 44672 | 28357 | 70 |
| 40 | 83843 | 55515 | 44485 | 28328 | 60 |
| 50 | 84001 | 55703 | 44297 | 28298 | 50 |
| 60 | 84159 | 55890 | 44110 | 28269 | 40 |
| 70 | 84317 | 56077 | 43923 | 28239 | 30 |
| 80 | 84475 | 56265 | 43735 | 28210 | 20 |
| 90 | 84632 | 56452 | 43548 | 28180 | 10 |
| **97 oo** | 84790 | 56639 | 43361 | 28151 | **03 oo** |
| 10 | 84948 | 56827 | 43173 | 28121 | 90 |
| 20 | 85106 | 57014 | 42986 | 28092 | 80 |
| 30 | 85264 | 57201 | 42799 | 28062 | 70 |
| 40 | 85422 | 57389 | 42611 | 28033 | 60 |
| 50 | 85579 | 57576 | 42424 | 28003 | 50 |
| 60 | 85737 | 57763 | 42237 | 27974 | 40 |
| 70 | 85895 | 57951 | 42049 | 27944 | 30 |
| 80 | 86053 | 58138 | 41862 | 27915 | 20 |
| 90 | 86211 | 58325 | 41675 | 27885 | 10 |
| **98 oo** | 86368 | 58512 | 41488 | 27856 | **02 oo** |
| 10 | 86526 | 58700 | 41300 | 27826 | 90 |
| 20 | 86684 | 58887 | 41113 | 27797 | 80 |
| 30 | 86842 | 59074 | 40926 | 27767 | 70 |
| 40 | 86999 | 59261 | 40739 | 27738 | 60 |
| 50 | 87157 | 59449 | 40551 | 27708 | 50 |
| 60 | 87315 | 59636 | 40364 | 27679 | 40 |
| 70 | 87473 | 59823 | 40177 | 27649 | 30 |
| 80 | 87630 | 60010 | 39990 | 27620 | 20 |
| 90 | 87788 | 60198 | 39802 | 27590 | 10 |
| **99 oo** | 87946 | 60385 | 39615 | 27561 | **01 oo** |
| 10 | 88104 | 60572 | 39428 | 27531 | 90 |
| 20 | 88261 | 60759 | 39241 | 27502 | 80 |
| 30 | 88419 | 60946 | 39054 | 27472 | 70 |
| 40 | 88577 | 61134 | 38866 | 27443 | 60 |
| 50 | 88734 | 61321 | 38679 | 27413 | 50 |
| 60 | 88892 | 61508 | 38492 | 27384 | 40 |
| 70 | 89050 | 61695 | 38305 | 27354 | 30 |
| 80 | 89207 | 61882 | 38118 | 27325 | 20 |
| 90 | 89365 | 62070 | 37930 | 27295 | 10 |
| **100 oo** | 89523 | 62257 | 37743 | 27266 | **00 oo** |
| | **9.59** | **9.63** | **0.36** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **74g** |
| | 157 | 187 | 187 | 30 | |

| | 188 | 187 | 159 | 158 | 157 | 30 | 29 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 18,8 | 18,7 | 15,9 | 15,8 | 15,7 | 3,0 | 2,9 | 1 |
| 2 | 37,6 | 37,4 | 31,8 | 31,6 | 31,4 | 6,0 | 5,8 | 2 |
| 3 | 56,4 | 56,1 | 47,7 | 47,4 | 47,1 | 9,0 | 8,7 | 3 |
| 4 | 75,2 | 74,8 | 63,6 | 63,2 | 62,8 | 12,0 | 11,6 | 4 |
| 5 | 94,0 | 93,5 | 79,5 | 79,0 | 78,5 | 15,0 | 14,5 | 5 |
| 6 | 112,8 | 112,2 | 95,4 | 94,8 | 94,2 | 18,0 | 17,4 | 6 |
| 7 | 131,6 | 130,9 | 111,3 | 110,6 | 109,9 | 21,0 | 20,3 | 7 |
| 8 | 150,4 | 149,6 | 127,2 | 126,4 | 125,6 | 24,0 | 23,2 | 8 |
| 9 | 169,2 | 168,3 | 143,1 | 142,2 | 141,3 | 27,0 | 26,1 | 9 |

| 26g | 158 | 188 | 188 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.59** | **9.63** | **0.36** | **9.96** | |
| **00 oo** | 89523 | 62257 | 37743 | 27266 | **100 oo** |
| 10 | 89680 | 62444 | 37556 | 27236 | 90 |
| 20 | 89838 | 62631 | 37369 | 27207 | 80 |
| 30 | 89996 | 62818 | 37182 | 27177 | 70 |
| 40 | 90153 | 63005 | 36995 | 27148 | 60 |
| 50 | 90311 | 63193 | 36807 | 27118 | 50 |
| 60 | 90468 | 63380 | 36620 | 27089 | 40 |
| 70 | 90626 | 63567 | 36433 | 27059 | 30 |
| 80 | 90784 | 63754 | 36246 | 27030 | 20 |
| 90 | 90941 | 63941 | 36059 | 27000 | 10 |
| **01 oo** | 91099 | 64128 | 35872 | 26971 | **99 oo** |
| 10 | 91256 | 64315 | 35685 | 26941 | 90 |
| 20 | 91414 | 64502 | 35498 | 26911 | 80 |
| 30 | 91571 | 64689 | 35311 | 26882 | 70 |
| 40 | 91729 | 64877 | 35123 | 26852 | 60 |
| 50 | 91887 | 65064 | 34936 | 26823 | 50 |
| 60 | 92044 | 65251 | 34749 | 26793 | 40 |
| 70 | 92202 | 65438 | 34562 | 26764 | 30 |
| 80 | 92359 | 65625 | 34375 | 26734 | 20 |
| 90 | 92517 | 65812 | 34188 | 26705 | 10 |
| **02 oo** | 92674 | 65999 | 34001 | 26675 | **98 oo** |
| 10 | 92832 | 66186 | 33814 | 26646 | 90 |
| 20 | 92989 | 66373 | 33627 | 26616 | 80 |
| 30 | 93147 | 66560 | 33440 | 26587 | 70 |
| 40 | 93304 | 66747 | 33253 | 26557 | 60 |
| 50 | 93462 | 66934 | 33066 | 26527 | 50 |
| 60 | 93619 | 67121 | 32879 | 26498 | 40 |
| 70 | 93777 | 67308 | 32692 | 26468 | 30 |
| 80 | 93934 | 67495 | 32505 | 26439 | 20 |
| 90 | 94091 | 67682 | 32318 | 26409 | 10 |
| **03 oo** | 94249 | 67869 | 32131 | 26380 | **97 oo** |
| 10 | 94406 | 68056 | 31944 | 26350 | 90 |
| 20 | 94564 | 68243 | 31757 | 26321 | 80 |
| 30 | 94721 | 68430 | 31570 | 26291 | 70 |
| 40 | 94879 | 68617 | 31383 | 26261 | 60 |
| 50 | 95036 | 68804 | 31196 | 26232 | 50 |
| 60 | 95193 | 68991 | 31009 | 26202 | 40 |
| 70 | 95351 | 69178 | 30822 | 26173 | 30 |
| 80 | 95508 | 69365 | 30635 | 26143 | 20 |
| 90 | 95666 | 69552 | 30448 | 26114 | 10 |
| **04 oo** | 95823 | 69739 | 30261 | 26084 | **96 oo** |
| 10 | 95980 | 69926 | 30074 | 26054 | 90 |
| 20 | 96138 | 70113 | 29887 | 26025 | 80 |
| 30 | 96295 | 70300 | 29700 | 25995 | 70 |
| 40 | 96452 | 70487 | 29513 | 25966 | 60 |
| 50 | 96610 | 70674 | 29326 | 25936 | 50 |
| 60 | 96767 | 70861 | 29139 | 25907 | 40 |
| 70 | 96924 | 71047 | 28953 | 25877 | 30 |
| 80 | 97082 | 71234 | 28766 | 25847 | 20 |
| 90 | 97239 | 71421 | 28579 | 25818 | 10 |
| **05 oo** | 97396 | 71608 | 28392 | 25788 | **95 oo** |
| | **9.59** | **9.63** | **0.36** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 157 | 186 | 186 | 30 | |

| 26g | 158 | 187 | 187 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9.59** | **9.63** | **0.36** | **9.96** | |
| **05 oo** | *97396 | 71608 | 28392 | 25788 | **95 oo** |
| 10 | *97554 | 71795 | 28205 | 25759 | 90 |
| 20 | *97711 | 71982 | 28018 | 25729 | 80 |
| 30 | *97868 | 72169 | 27831 | 25699 | 70 |
| 40 | *98026 | 72356 | 27644 | 25670 | 60 |
| 50 | *98183 | 72543 | 27457 | 25640 | 50 |
| 60 | *98340 | 72729 | 27271 | 25611 | 40 |
| 70 | *98497 | 72916 | 27084 | 25581 | 30 |
| 80 | *98655 | 73103 | 26897 | 25551 | 20 |
| 90 | *98812 | 73290 | 26710 | 25522 | 10 |
| **06 oo** | *98969 | 73477 | 26523 | 25492 | **94 oo** |
| 10 | *99126 | 73664 | 26336 | 25463 | 90 |
| 20 | *99284 | 73850 | 26150 | 25433 | 80 |
| 30 | *99441 | 74037 | 25963 | 25403 | 70 |
| 40 | *99598 | 74224 | 25776 | 25374 | 60 |
| 50 | *99755 | 74411 | 25589 | 25344 | 50 |
| 60 | *99912 | 74598 | 25402 | 25315 | 40 |
| 70 | 00070 | 74784 | 25216 | 25285 | 30 |
| 80 | 00227 | 74971 | 25029 | 25255 | 20 |
| 90 | 00384 | 75158 | 24842 | 25226 | 10 |
| **07 oo** | 00541 | 75345 | 24655 | 25196 | **93 oo** |
| 10 | 00698 | 75532 | 24468 | 25167 | 90 |
| 20 | 00855 | 75718 | 24282 | 25137 | 80 |
| 30 | 01013 | 75905 | 24095 | 25107 | 70 |
| 40 | 01170 | 76092 | 23908 | 25078 | 60 |
| 50 | 01327 | 76279 | 23721 | 25048 | 50 |
| 60 | 01484 | 76465 | 23535 | 25019 | 40 |
| 70 | 01641 | 76652 | 23348 | 24989 | 30 |
| 80 | 01798 | 76839 | 23161 | 24959 | 20 |
| 90 | 01955 | 77026 | 22974 | 24930 | 10 |
| **08 oo** | 02112 | 77212 | 22788 | 24900 | **92 oo** |
| 10 | 02270 | 77399 | 22601 | 24870 | 90 |
| 20 | 02427 | 77586 | 22414 | 24841 | 80 |
| 30 | 02584 | 77773 | 22227 | 24811 | 70 |
| 40 | 02741 | 77959 | 22041 | 24782 | 60 |
| 50 | 02898 | 78146 | 21854 | 24752 | 50 |
| 60 | 03055 | 78333 | 21667 | 24722 | 40 |
| 70 | 03212 | 78519 | 21481 | 24693 | 30 |
| 80 | 03369 | 78706 | 21294 | 24663 | 20 |
| 90 | 03526 | 78893 | 21107 | 24633 | 10 |
| **09 oo** | 03683 | 79079 | 20921 | 24604 | **91 oo** |
| 10 | 03840 | 79266 | 20734 | 24574 | 90 |
| 20 | 03997 | 79453 | 20547 | 24545 | 80 |
| 30 | 04154 | 79639 | 20361 | 24515 | 70 |
| 40 | 04311 | 79826 | 20174 | 24485 | 60 |
| 50 | 04468 | 80013 | 19987 | 24456 | 50 |
| 60 | 04625 | 80199 | 19801 | 24426 | 40 |
| 70 | 04782 | 80386 | 19614 | 24396 | 30 |
| 80 | 04939 | 80573 | 19427 | 24367 | 20 |
| 90 | 05096 | 80759 | 19241 | 24337 | 10 |
| **10 oo** | 05253 | 80946 | 19054 | 24307 | **90 oo** |
| | **9.60** | **9.63** | **0.36** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 157 | 186 | 186 | 30 | |

| | 188 | 187 | 186 | 158 | 157 | 30 | 29 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 18,8 | 18,7 | 18,6 | 15,8 | 15,7 | 3,0 | 2,9 | 1 |
| 2 | 37,6 | 37,4 | 37,2 | 31,6 | 31,4 | 6,0 | 5,8 | 2 |
| 3 | 56,4 | 56,1 | 55,8 | 47,4 | 47,1 | 9,0 | 8,7 | 3 |
| 4 | 75,2 | 74,8 | 74,4 | 63,2 | 62,8 | 12,0 | 11,6 | 4 |
| 5 | 94,0 | 93,5 | 93,0 | 79,0 | 78,5 | 15,0 | 14,5 | 5 |
| 6 | 112,8 | 112,2 | 111,6 | 94,8 | 94,2 | 18,0 | 17,4 | 6 |
| 7 | 131,6 | 130,9 | 130,2 | 110,6 | 109,9 | 21,0 | 20,3 | 7 |
| 8 | 150,4 | 149,6 | 148,8 | 126,4 | 125,6 | 24,0 | 23,2 | 8 |
| 9 | 169,2 | 168,3 | 167,4 | 142,2 | 141,3 | 27,0 | 26,1 | 9 |

| 26g | 157 | 187 | 187 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.60** | **9.63** | **0.36** | **9.96** | |
| **10 oo** | 05253 | 80946 | 19054 | 24307 | **90 oo** |
| 10 | 05410 | 81132 | 18868 | 24278 | 90 |
| 20 | 05567 | 81319 | 18681 | 24248 | 80 |
| 30 | 05724 | 81506 | 18494 | 24218 | 70 |
| 40 | 05881 | 81692 | 18308 | 24189 | 60 |
| 50 | 06038 | 81879 | 18121 | 24159 | 50 |
| 60 | 06195 | 82065 | 17935 | 24129 | 40 |
| 70 | 06352 | 82252 | 17748 | 24100 | 30 |
| 80 | 06509 | 82439 | 17561 | 24070 | 20 |
| 90 | 06666 | 82625 | 17375 | 24040 | 10 |
| **11 oo** | 06822 | 82812 | 17188 | 24011 | **89 oo** |
| 10 | 06979 | 82998 | 17002 | 23981 | 90 |
| 20 | 07136 | 83185 | 16815 | 23951 | 80 |
| 30 | 07293 | 83371 | 16629 | 23922 | 70 |
| 40 | 07450 | 83558 | 16442 | 23892 | 60 |
| 50 | 07607 | 83744 | 16256 | 23862 | 50 |
| 60 | 07764 | 83931 | 16069 | 23833 | 40 |
| 70 | 07921 | 84117 | 15883 | 23803 | 30 |
| 80 | 08077 | 84304 | 15696 | 23773 | 20 |
| 90 | 08234 | 84490 | 15510 | 23744 | 10 |
| **12 oo** | 08391 | 84677 | 15323 | 23714 | **88 oo** |
| 10 | 08548 | 84864 | 15136 | 23684 | 90 |
| 20 | 08705 | 85050 | 14950 | 23655 | 80 |
| 30 | 08862 | 85237 | 14763 | 23625 | 70 |
| 40 | 09018 | 85423 | 14577 | 23595 | 60 |
| 50 | 09175 | 85609 | 14391 | 23566 | 50 |
| 60 | 09332 | 85796 | 14204 | 23536 | 40 |
| 70 | 09489 | 85982 | 14018 | 23506 | 30 |
| 80 | 09646 | 86169 | 13831 | 23477 | 20 |
| 90 | 09802 | 86355 | 13645 | 23447 | 10 |
| **13 oo** | 09959 | 86542 | 13458 | 23417 | **87 oo** |
| 10 | 10116 | 86728 | 13272 | 23388 | 90 |
| 20 | 10273 | 86915 | 13085 | 23358 | 80 |
| 30 | 10429 | 87101 | 12899 | 23328 | 70 |
| 40 | 10586 | 87288 | 12712 | 23299 | 60 |
| 50 | 10743 | 87474 | 12526 | 23269 | 50 |
| 60 | 10900 | 87660 | 12340 | 23239 | 40 |
| 70 | 11056 | 87847 | 12153 | 23210 | 30 |
| 80 | 11213 | 88033 | 11967 | 23180 | 20 |
| 90 | 11370 | 88220 | 11780 | 23150 | 10 |
| **14 oo** | 11526 | 88406 | 11594 | 23120 | **86 oo** |
| 10 | 11683 | 88592 | 11408 | 23091 | 90 |
| 20 | 11840 | 88779 | 11221 | 23061 | 80 |
| 30 | 11997 | 88965 | 11035 | 23031 | 70 |
| 40 | 12153 | 89152 | 10848 | 23002 | 60 |
| 50 | 12310 | 89338 | 10662 | 22972 | 50 |
| 60 | 12467 | 89524 | 10476 | 22942 | 40 |
| 70 | 12623 | 89711 | 10289 | 22912 | 30 |
| 80 | 12780 | 89897 | 10103 | 22883 | 20 |
| 90 | 12936 | 90083 | 09917 | 22853 | 10 |
| **15 oo** | 13093 | 90270 | 09730 | 22823 | **85 oo** |
| | **9.60** | **9.63** | **0.36** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 156 | 186 | 186 | 30 | |

| 26g | 157 | 187 | 187 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.60** | **9.63** | **0.36** | **9.96** | |
| **15 oo** | 13093 | 90270 | 09730 | 22823 | **85 oo** |
| 10 | 13250 | 90456 | 09544 | 22794 | 90 |
| 20 | 13406 | 90642 | 09358 | 22764 | 80 |
| 30 | 13563 | 90829 | 09171 | 22734 | 70 |
| 40 | 13720 | 91015 | 08985 | 22705 | 60 |
| 50 | 13876 | 91201 | 08799 | 22675 | 50 |
| 60 | 14033 | 91388 | 08612 | 22645 | 40 |
| 70 | 14189 | 91574 | 08426 | 22615 | 30 |
| 80 | 14346 | 91760 | 08240 | 22586 | 20 |
| 90 | 14503 | 91947 | 08053 | 22556 | 10 |
| **16 oo** | 14659 | 92133 | 07867 | 22526 | **84 oo** |
| 10 | 14816 | 92319 | 07681 | 22496 | 90 |
| 20 | 14972 | 92505 | 07495 | 22467 | 80 |
| 30 | 15129 | 92692 | 07308 | 22437 | 70 |
| 40 | 15285 | 92878 | 07122 | 22407 | 60 |
| 50 | 15442 | 93064 | 06936 | 22378 | 50 |
| 60 | 15598 | 93251 | 06749 | 22348 | 40 |
| 70 | 15755 | 93437 | 06563 | 22318 | 30 |
| 80 | 15911 | 93623 | 06377 | 22288 | 20 |
| 90 | 16068 | 93809 | 06191 | 22259 | 10 |
| **17 oo** | 16224 | 93996 | 06004 | 22229 | **83 oo** |
| 10 | 16381 | 94182 | 05818 | 22199 | 90 |
| 20 | 16537 | 94368 | 05632 | 22169 | 80 |
| 30 | 16694 | 94554 | 05446 | 22140 | 70 |
| 40 | 16850 | 94740 | 05260 | 22110 | 60 |
| 50 | 17007 | 94927 | 05073 | 22080 | 50 |
| 60 | 17163 | 95113 | 04887 | 22050 | 40 |
| 70 | 17320 | 95299 | 04701 | 22021 | 30 |
| 80 | 17476 | 95485 | 04515 | 21991 | 20 |
| 90 | 17633 | 95671 | 04329 | 21961 | 10 |
| **18 oo** | 17789 | 95858 | 04142 | 21931 | **82 oo** |
| 10 | 17945 | 96044 | 03956 | 21902 | 90 |
| 20 | 18102 | 96230 | 03770 | 21872 | 80 |
| 30 | 18258 | 96416 | 03584 | 21842 | 70 |
| 40 | 18415 | 96602 | 03398 | 21812 | 60 |
| 50 | 18571 | 96788 | 03212 | 21783 | 50 |
| 60 | 18727 | 96975 | 03025 | 21753 | 40 |
| 70 | 18884 | 97161 | 02839 | 21723 | 30 |
| 80 | 19040 | 97347 | 02653 | 21693 | 20 |
| 90 | 19197 | 97533 | 02467 | 21664 | 10 |
| **19 oo** | 19353 | 97719 | 02281 | 21634 | **81 oo** |
| 10 | 19509 | 97905 | 02095 | 21604 | 90 |
| 20 | 19666 | 98091 | 01909 | 21574 | 80 |
| 30 | 19822 | 98277 | 01723 | 21545 | 70 |
| 40 | 19978 | 98464 | 01536 | 21515 | 60 |
| 50 | 20135 | 98650 | 01350 | 21485 | 50 |
| 60 | 20291 | 98836 | 01164 | 21455 | 40 |
| 70 | 20447 | 99022 | 00978 | 21425 | 30 |
| 80 | 20604 | 99208 | 00792 | 21396 | 20 |
| 90 | 20760 | 99394 | 00606 | 21366 | 10 |
| **20 oo** | 20916 | 99580 | 00420 | 21336 | **80 oo** |
| | **9.60** | **9.63** | **0.36** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 156 | 186 | 186 | 30 | |

| | 187 | 186 | 157 | 156 | 30 | 29 | |
|---|---|---|---|---|---|---|---|
| 1 | 18,7 | 18,6 | 15,7 | 15,6 | 3,0 | 2,9 | 1 |
| 2 | 37,4 | 37,2 | 31,4 | 31,2 | 6,0 | 5,8 | 2 |
| 3 | 56,1 | 55,8 | 47,1 | 46,8 | 9,0 | 8,7 | 3 |
| 4 | 74,8 | 74,4 | 62,8 | 62,4 | 12,0 | 11,6 | 4 |
| 5 | 93,5 | 93,0 | 78,5 | 78,0 | 15,0 | 14,5 | 5 |
| 6 | 112,2 | 111,6 | 94,2 | 93,6 | 18,0 | 17,4 | 6 |
| 7 | 130,9 | 130,2 | 109,9 | 109,2 | 21,0 | 20,3 | 7 |
| 8 | 149,6 | 148,8 | 125,6 | 124,8 | 24,0 | 23,2 | 8 |
| 9 | 168,3 | 167,4 | 141,3 | 140,4 | 27,0 | 26,1 | 9 |

| 26g | 157 | 187 | 187 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.60** | ∗**9.63** | ∗**0.36** | **9.96** | |
| **20 oo** | 20916 | ∗99580 | ∗00420 | 21336 | **80 oo** |
| 10 | 21073 | ∗99766 | ∗00234 | 21306 | 90 |
| 20 | 21229 | ∗99952 | ∗00048 | 21277 | 80 |
| 30 | 21385 | 00138 | 99862 | 21247 | 70 |
| 40 | 21541 | 00324 | 99676 | 21217 | 60 |
| 50 | 21698 | 00510 | 99490 | 21187 | 50 |
| 60 | 21854 | 00696 | 99304 | 21157 | 40 |
| 70 | 22010 | 00882 | 99118 | 21128 | 30 |
| 80 | 22166 | 01068 | 98932 | 21098 | 20 |
| 90 | 22323 | 01255 | 98745 | 21068 | 10 |
| **21 oo** | 22479 | 01441 | 98559 | 21038 | **79 oo** |
| 10 | 22635 | 01627 | 98373 | 21009 | 90 |
| 20 | 22791 | 01813 | 98187 | 20979 | 80 |
| 30 | 22948 | 01999 | 98001 | 20949 | 70 |
| 40 | 23104 | 02185 | 97815 | 20919 | 60 |
| 50 | 23260 | 02371 | 97629 | 20889 | 50 |
| 60 | 23416 | 02557 | 97443 | 20860 | 40 |
| 70 | 23572 | 02743 | 97257 | 20830 | 30 |
| 80 | 23728 | 02928 | 97072 | 20800 | 20 |
| 90 | 23885 | 03114 | 96886 | 20770 | 10 |
| **22 oo** | 24041 | 03300 | 96700 | 20740 | **78 oo** |
| 10 | 24197 | 03486 | 96514 | 20711 | 90 |
| 20 | 24353 | 03672 | 96328 | 20681 | 80 |
| 30 | 24509 | 03858 | 96142 | 20651 | 70 |
| 40 | 24665 | 04044 | 95956 | 20621 | 60 |
| 50 | 24822 | 04230 | 95770 | 20591 | 50 |
| 60 | 24978 | 04416 | 95584 | 20562 | 40 |
| 70 | 25134 | 04602 | 95398 | 20532 | 30 |
| 80 | 25290 | 04788 | 95212 | 20502 | 20 |
| 90 | 25446 | 04974 | 95026 | 20472 | 10 |
| **23 oo** | 25602 | 05160 | 94840 | 20442 | **77 oo** |
| 10 | 25758 | 05346 | 94654 | 20413 | 90 |
| 20 | 25914 | 05532 | 94468 | 20383 | 80 |
| 30 | 26070 | 05717 | 94283 | 20353 | 70 |
| 40 | 26226 | 05903 | 94097 | 20323 | 60 |
| 50 | 26382 | 06089 | 93911 | 20293 | 50 |
| 60 | 26539 | 06275 | 93725 | 20263 | 40 |
| 70 | 26695 | 06461 | 93539 | 20234 | 30 |
| 80 | 26851 | 06647 | 93353 | 20204 | 20 |
| 90 | 27007 | 06833 | 93167 | 20174 | 10 |
| **24 oo** | 27163 | 07019 | 92981 | 20144 | **76 oo** |
| 10 | 27319 | 07204 | 92796 | 20114 | 90 |
| 20 | 27475 | 07390 | 92610 | 20084 | 80 |
| 30 | 27631 | 07576 | 92424 | 20055 | 70 |
| 40 | 27787 | 07762 | 92238 | 20025 | 60 |
| 50 | 27943 | 07948 | 92052 | 19995 | 50 |
| 60 | 28099 | 08134 | 91866 | 19965 | 40 |
| 70 | 28255 | 08319 | 91681 | 19935 | 30 |
| 80 | 28411 | 08505 | 91495 | 19905 | 20 |
| 90 | 28567 | 08691 | 91309 | 19876 | 10 |
| **25 oo** | 28723 | 08877 | 91123 | 19846 | **75 oo** |
| | **9.60** | **9.64** | **0.35** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 156 | 185 | 185 | 30 | |

| 26g | 156 | 186 | 186 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.60** | **9.64** | **0.35** | **9.96** | |
| **25 oo** | 28723 | 08877 | 91123 | 19846 | **75 oo** |
| 10 | 28879 | 09063 | 90937 | 19816 | 90 |
| 20 | 29035 | 09248 | 90752 | 19786 | 80 |
| 30 | 29191 | 09434 | 90566 | 19756 | 70 |
| 40 | 29346 | 09620 | 90380 | 19726 | 60 |
| 50 | 29502 | 09806 | 90194 | 19697 | 50 |
| 60 | 29658 | 09992 | 90008 | 19667 | 40 |
| 70 | 29814 | 10177 | 89823 | 19637 | 30 |
| 80 | 29970 | 10363 | 89637 | 19607 | 20 |
| 90 | 30126 | 10549 | 89451 | 19577 | 10 |
| **26 oo** | 30282 | 10735 | 89265 | 19547 | **74 oo** |
| 10 | 30438 | 10920 | 89080 | 19517 | 90 |
| 20 | 30594 | 11106 | 88894 | 19488 | 80 |
| 30 | 30750 | 11292 | 88708 | 19458 | 70 |
| 40 | 30905 | 11478 | 88522 | 19428 | 60 |
| 50 | 31061 | 11663 | 88337 | 19398 | 50 |
| 60 | 31217 | 11849 | 88151 | 19368 | 40 |
| 70 | 31373 | 12035 | 87965 | 19338 | 30 |
| 80 | 31529 | 12220 | 87780 | 19308 | 20 |
| 90 | 31685 | 12406 | 87594 | 19279 | 10 |
| **27 oo** | 31841 | 12592 | 87408 | 19249 | **73 oo** |
| 10 | 31996 | 12778 | 87222 | 19219 | 90 |
| 20 | 32152 | 12963 | 87037 | 19189 | 80 |
| 30 | 32308 | 13149 | 86851 | 19159 | 70 |
| 40 | 32464 | 13335 | 86665 | 19129 | 60 |
| 50 | 32620 | 13520 | 86480 | 19099 | 50 |
| 60 | 32775 | 13706 | 86294 | 19070 | 40 |
| 70 | 32931 | 13892 | 86108 | 19040 | 30 |
| 80 | 33087 | 14077 | 85923 | 19010 | 20 |
| 90 | 33243 | 14263 | 85737 | 18980 | 10 |
| **28 oo** | 33398 | 14448 | 85552 | 18950 | **72 oo** |
| 10 | 33554 | 14634 | 85366 | 18920 | 90 |
| 20 | 33710 | 14820 | 85180 | 18890 | 80 |
| 30 | 33866 | 15005 | 84995 | 18860 | 70 |
| 40 | 34021 | 15191 | 84809 | 18831 | 60 |
| 50 | 34177 | 15377 | 84623 | 18801 | 50 |
| 60 | 34333 | 15562 | 84438 | 18771 | 40 |
| 70 | 34489 | 15748 | 84252 | 18741 | 30 |
| 80 | 34644 | 15933 | 84067 | 18711 | 20 |
| 90 | 34800 | 16119 | 83881 | 18681 | 10 |
| **29 oo** | 34956 | 16305 | 83695 | 18651 | **71 oo** |
| 10 | 35111 | 16490 | 83510 | 18621 | 90 |
| 20 | 35267 | 16676 | 83324 | 18591 | 80 |
| 30 | 35423 | 16861 | 83139 | 18562 | 70 |
| 40 | 35579 | 17047 | 82953 | 18532 | 60 |
| 50 | 35734 | 17232 | 82768 | 18502 | 50 |
| 60 | 35890 | 17418 | 82582 | 18472 | 40 |
| 70 | 36045 | 17604 | 82396 | 18442 | 30 |
| 80 | 36201 | 17789 | 82211 | 18412 | 20 |
| 90 | 36357 | 17975 | 82025 | 18382 | 10 |
| **30 oo** | 36512 | 18160 | 81840 | 18352 | **70 oo** |
| | **9.60** | **9.64** | **0.35** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 155 | 185 | 185 | 30 | |

| | 187 | 186 | 185 | 157 | 156 | 155 | 30 | 29 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 18,7 | 18,6 | 18,5 | 15,7 | 15,6 | 15,5 | 3,0 | 2,9 | 1 |
| 2 | 37,4 | 37,2 | 37,0 | 31,4 | 31,2 | 31,0 | 6,0 | 5,8 | 2 |
| 3 | 56,1 | 55,8 | 55,5 | 47,1 | 46,8 | 46,5 | 9,0 | 8,7 | 3 |
| 4 | 74,8 | 74,4 | 74,0 | 62,8 | 62,4 | 62,0 | 12,0 | 11,6 | 4 |
| 5 | 93,5 | 93,0 | 92,5 | 78,5 | 78,0 | 77,5 | 15,0 | 14,5 | 5 |
| 6 | 112,2 | 111,6 | 111,0 | 94,2 | 93,6 | 93,0 | 18,0 | 17,4 | 6 |
| 7 | 130,9 | 130,2 | 129,5 | 109,9 | 109,2 | 108,5 | 21,0 | 20,3 | 7 |
| 8 | 149,6 | 148,8 | 148,0 | 125,6 | 124,8 | 124,0 | 24,0 | 23,2 | 8 |
| 9 | 168,3 | 167,4 | 166,5 | 141,3 | 140,4 | 139,5 | 27,0 | 26,1 | 9 |

| 26g | 156 | 186 | 186 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.60** | **9.64** | **0.35** | **9.96** | |
| **30 oo** | 36512 | 18160 | 81840 | 18352 | **70 oo** |
| 10 | 36668 | 18346 | 81654 | 18322 | 90 |
| 20 | 36824 | 18531 | 81469 | 18292 | 80 |
| 30 | 36979 | 18717 | 81283 | 18263 | 70 |
| 40 | 37135 | 18902 | 81098 | 18233 | 60 |
| 50 | 37290 | 19088 | 80912 | 18203 | 50 |
| 60 | 37446 | 19273 | 80727 | 18173 | 40 |
| 70 | 37602 | 19459 | 80541 | 18143 | 30 |
| 80 | 37757 | 19644 | 80356 | 18113 | 20 |
| 90 | 37913 | 19830 | 80170 | 18083 | 10 |
| **31 oo** | 38068 | 20015 | 79985 | 18053 | **69 oo** |
| 10 | 38224 | 20201 | 79799 | 18023 | 90 |
| 20 | 38379 | 20386 | 79614 | 17993 | 80 |
| 30 | 38535 | 20572 | 79428 | 17963 | 70 |
| 40 | 38691 | 20757 | 79243 | 17933 | 60 |
| 50 | 38846 | 20943 | 79057 | 17904 | 50 |
| 60 | 39002 | 21128 | 78872 | 17874 | 40 |
| 70 | 39157 | 21313 | 78687 | 17844 | 30 |
| 80 | 39313 | 21499 | 78501 | 17814 | 20 |
| 90 | 39468 | 21684 | 78316 | 17784 | 10 |
| **32 oo** | 39624 | 21870 | 78130 | 17754 | **68 oo** |
| 10 | 39779 | 22055 | 77945 | 17724 | 90 |
| 20 | 39935 | 22241 | 77759 | 17694 | 80 |
| 30 | 40090 | 22426 | 77574 | 17664 | 70 |
| 40 | 40246 | 22611 | 77389 | 17634 | 60 |
| 50 | 40401 | 22797 | 77203 | 17604 | 50 |
| 60 | 40556 | 22982 | 77018 | 17574 | 40 |
| 70 | 40712 | 23168 | 76832 | 17544 | 30 |
| 80 | 40867 | 23353 | 76647 | 17514 | 20 |
| 90 | 41023 | 23538 | 76462 | 17484 | 10 |
| **33 oo** | 41178 | 23724 | 76276 | 17455 | **67 oo** |
| 10 | 41334 | 23909 | 76091 | 17425 | 90 |
| 20 | 41489 | 24094 | 75906 | 17395 | 80 |
| 30 | 41645 | 24280 | 75720 | 17365 | 70 |
| 40 | 41800 | 24465 | 75535 | 17335 | 60 |
| 50 | 41955 | 24650 | 75350 | 17305 | 50 |
| 60 | 42111 | 24836 | 75164 | 17275 | 40 |
| 70 | 42266 | 25021 | 74979 | 17245 | 30 |
| 80 | 42421 | 25207 | 74793 | 17215 | 20 |
| 90 | 42577 | 25392 | 74608 | 17185 | 10 |
| **34 oo** | 42732 | 25577 | 74423 | 17155 | **66 oo** |
| 10 | 42888 | 25762 | 74238 | 17125 | 90 |
| 20 | 43043 | 25948 | 74052 | 17095 | 80 |
| 30 | 43198 | 26133 | 73867 | 17065 | 70 |
| 40 | 43354 | 26318 | 73682 | 17035 | 60 |
| 50 | 43509 | 26504 | 73496 | 17005 | 50 |
| 60 | 43664 | 26689 | 73311 | 16975 | 40 |
| 70 | 43820 | 26874 | 73126 | 16945 | 30 |
| 80 | 43975 | 27060 | 72940 | 16915 | 20 |
| 90 | 44130 | 27245 | 72755 | 16885 | 10 |
| **35 oo** | 44285 | 27430 | 72570 | 16855 | **65 oo** |
| | **9.60** | **9.64** | **0.35** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 155 | 185 | 185 | 30 | |

| 26g | 156 | 186 | 186 | 29 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.60** | **9.64** | **0.35** | **9.96** | |
| **35 oo** | 44285 | 27430 | 72570 | 16855 | **65 oo** |
| 10 | 44441 | 27615 | 72385 | 16825 | 90 |
| 20 | 44596 | 27801 | 72199 | 16796 | 80 |
| 30 | 44751 | 27986 | 72014 | 16766 | 70 |
| 40 | 44907 | 28171 | 71829 | 16736 | 60 |
| 50 | 45062 | 28356 | 71644 | 16706 | 50 |
| 60 | 45217 | 28542 | 71458 | 16676 | 40 |
| 70 | 45372 | 28727 | 71273 | 16646 | 30 |
| 80 | 45528 | 28912 | 71088 | 16616 | 20 |
| 90 | 45683 | 29097 | 70903 | 16586 | 10 |
| **36 oo** | 45838 | 29282 | 70718 | 16556 | **64 oo** |
| 10 | 45993 | 29468 | 70532 | 16526 | 90 |
| 20 | 46149 | 29653 | 70347 | 16496 | 80 |
| 30 | 46304 | 29838 | 70162 | 16466 | 70 |
| 40 | 46459 | 30023 | 69977 | 16436 | 60 |
| 50 | 46614 | 30208 | 69792 | 16406 | 50 |
| 60 | 46769 | 30394 | 69606 | 16376 | 40 |
| 70 | 46925 | 30579 | 69421 | 16346 | 30 |
| 80 | 47080 | 30764 | 69236 | 16316 | 20 |
| 90 | 47235 | 30949 | 69051 | 16286 | 10 |
| **37 oo** | 47390 | 31134 | 68866 | 16256 | **63 oo** |
| 10 | 47545 | 31319 | 68681 | 16226 | 90 |
| 20 | 47700 | 31505 | 68495 | 16196 | 80 |
| 30 | 47856 | 31690 | 68310 | 16166 | 70 |
| 40 | 48011 | 31875 | 68125 | 16136 | 60 |
| 50 | 48166 | 32060 | 67940 | 16106 | 50 |
| 60 | 48321 | 32245 | 67755 | 16076 | 40 |
| 70 | 48476 | 32430 | 67570 | 16046 | 30 |
| 80 | 48631 | 32615 | 67385 | 16016 | 20 |
| 90 | 48786 | 32800 | 67200 | 15986 | 10 |
| **38 oo** | 48941 | 32986 | 67014 | 15956 | **62 oo** |
| 10 | 49097 | 33171 | 66829 | 15926 | 90 |
| 20 | 49252 | 33356 | 66644 | 15896 | 80 |
| 30 | 49407 | 33541 | 66459 | 15866 | 70 |
| 40 | 49562 | 33726 | 66274 | 15836 | 60 |
| 50 | 49717 | 33911 | 66089 | 15806 | 50 |
| 60 | 49872 | 34096 | 65904 | 15776 | 40 |
| 70 | 50027 | 34281 | 65719 | 15746 | 30 |
| 80 | 50182 | 34466 | 65534 | 15716 | 20 |
| 90 | 50337 | 34651 | 65349 | 15686 | 10 |
| **39 oo** | 50492 | 34836 | 65164 | 15656 | **61 oo** |
| 10 | 50647 | 35021 | 64979 | 15626 | 90 |
| 20 | 50802 | 35206 | 64794 | 15596 | 80 |
| 30 | 50957 | 35391 | 64609 | 15566 | 70 |
| 40 | 51112 | 35576 | 64424 | 15536 | 60 |
| 50 | 51267 | 35762 | 64238 | 15506 | 50 |
| 60 | 51422 | 35947 | 64053 | 15476 | 40 |
| 70 | 51577 | 36132 | 63868 | 15446 | 30 |
| 80 | 51732 | 36317 | 63683 | 15416 | 20 |
| 90 | 51887 | 36502 | 63498 | 15386 | 10 |
| **40 oo** | 52042 | 36687 | 63313 | 15355 | **60 oo** |
| | **9.60** | **9.64** | **0.35** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 155 | 185 | 185 | 31 | |

| | 186 | 185 | 156 | 155 | 31 | 30 | 29 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 18,6 | 18,5 | 15,6 | 15,5 | 3,1 | 3,0 | 2,9 | 1 |
| 2 | 37,2 | 37,0 | 31,2 | 31,0 | 6,2 | 6,0 | 5,8 | 2 |
| 3 | 55,8 | 55,5 | 46,8 | 46,5 | 9,3 | 9,0 | 8,7 | 3 |
| 4 | 74,4 | 74,0 | 62,4 | 62,0 | 12,4 | 12,0 | 11,6 | 4 |
| 5 | 93,0 | 92,5 | 78,0 | 77,5 | 15,5 | 15,0 | 14,5 | 5 |
| 6 | 111,6 | 111,0 | 93,6 | 93,0 | 18,6 | 18,0 | 17,4 | 6 |
| 7 | 130,2 | 129,5 | 109,2 | 108,5 | 21,7 | 21,0 | 20,3 | 7 |
| 8 | 148,8 | 148,0 | 124,8 | 124,0 | 24,8 | 24,0 | 23,2 | 8 |
| 9 | 167,4 | 166,5 | 140,4 | 139,5 | 27,9 | 27,0 | 26,1 | 9 |

| 26g | 155 | 185 | 185 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.60** | **9.64** | **0.35** | **9.96** | |
| **40 oo** | 52042 | 36687 | 63313 | 15355 | **60 oo** |
| 10 | 52197 | 36872 | 63128 | 15325 | 90 |
| 20 | 52352 | 37057 | 62943 | 15295 | 80 |
| 30 | 52507 | 37242 | 62758 | 15265 | 70 |
| 40 | 52662 | 37427 | 62573 | 15235 | 60 |
| 50 | 52817 | 37611 | 62389 | 15205 | 50 |
| 60 | 52972 | 37796 | 62204 | 15175 | 40 |
| 70 | 53127 | 37981 | 62019 | 15145 | 30 |
| 80 | 53282 | 38166 | 61834 | 15115 | 20 |
| 90 | 53436 | 38351 | 61649 | 15085 | 10 |
| **41 oo** | 53591 | 38536 | 61464 | 15055 | **59 oo** |
| 10 | 53746 | 38721 | 61279 | 15025 | 90 |
| 20 | 53901 | 38906 | 61094 | 14995 | 80 |
| 30 | 54056 | 39091 | 60909 | 14965 | 70 |
| 40 | 54211 | 39276 | 60724 | 14935 | 60 |
| 50 | 54366 | 39461 | 60539 | 14905 | 50 |
| 60 | 54521 | 39646 | 60354 | 14875 | 40 |
| 70 | 54676 | 39831 | 60169 | 14845 | 30 |
| 80 | 54830 | 40016 | 59984 | 14815 | 20 |
| 90 | 54985 | 40201 | 59799 | 14785 | 10 |
| **42 oo** | 55140 | 40385 | 59615 | 14755 | **58 oo** |
| 10 | 55295 | 40570 | 59430 | 14725 | 90 |
| 20 | 55450 | 40755 | 59245 | 14694 | 80 |
| 30 | 55605 | 40940 | 59060 | 14664 | 70 |
| 40 | 55759 | 41125 | 58875 | 14634 | 60 |
| 50 | 55914 | 41310 | 58690 | 14604 | 50 |
| 60 | 56069 | 41495 | 58505 | 14574 | 40 |
| 70 | 56224 | 41680 | 58320 | 14544 | 30 |
| 80 | 56378 | 41864 | 58136 | 14514 | 20 |
| 90 | 56533 | 42049 | 57951 | 14484 | 10 |
| **43 oo** | 56688 | 42234 | 57766 | 14454 | **57 oo** |
| 10 | 56843 | 42419 | 57581 | 14424 | 90 |
| 20 | 56998 | 42604 | 57396 | 14394 | 80 |
| 30 | 57152 | 42789 | 57211 | 14364 | 70 |
| 40 | 57307 | 42973 | 57027 | 14334 | 60 |
| 50 | 57462 | 43158 | 56842 | 14304 | 50 |
| 60 | 57617 | 43343 | 56657 | 14274 | 40 |
| 70 | 57771 | 43528 | 56472 | 14243 | 30 |
| 80 | 57926 | 43713 | 56287 | 14213 | 20 |
| 90 | 58081 | 43897 | 56103 | 14183 | 10 |
| **44 oo** | 58235 | 44082 | 55918 | 14153 | **56 oo** |
| 10 | 58390 | 44267 | 55733 | 14123 | 90 |
| 20 | 58545 | 44452 | 55548 | 14093 | 80 |
| 30 | 58699 | 44637 | 55363 | 14063 | 70 |
| 40 | 58854 | 44821 | 55179 | 14033 | 60 |
| 50 | 59009 | 45006 | 54994 | 14003 | 50 |
| 60 | 59163 | 45191 | 54809 | 13973 | 40 |
| 70 | 59318 | 45376 | 54624 | 13943 | 30 |
| 80 | 59473 | 45560 | 54440 | 13913 | 20 |
| 90 | 59627 | 45745 | 54255 | 13882 | 10 |
| **45 oo** | 59782 | 45930 | 54070 | 13852 | **55 oo** |
| | **9.60** | **9.64** | **0.35** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 154 | 184 | 184 | 31 | |

| 26g | 155 | 185 | 185 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.60** | **9.64** | **0.35** | **9.96** | |
| **45 oo** | 59782 | 45930 | 54070 | 13852 | **55 oo** |
| 10 | 59937 | 46114 | 53886 | 13822 | 90 |
| 20 | 60091 | 46299 | 53701 | 13792 | 80 |
| 30 | 60246 | 46484 | 53516 | 13762 | 70 |
| 40 | 60401 | 46669 | 53331 | 13732 | 60 |
| 50 | 60555 | 46853 | 53147 | 13702 | 50 |
| 60 | 60710 | 47038 | 52962 | 13672 | 40 |
| 70 | 60864 | 47223 | 52777 | 13642 | 30 |
| 80 | 61019 | 47407 | 52593 | 13612 | 20 |
| 90 | 61174 | 47592 | 52408 | 13581 | 10 |
| **46 oo** | 61328 | 47777 | 52223 | 13551 | **54 oo** |
| 10 | 61483 | 47961 | 52039 | 13521 | 90 |
| 20 | 61637 | 48146 | 51854 | 13491 | 80 |
| 30 | 61792 | 48331 | 51669 | 13461 | 70 |
| 40 | 61946 | 48515 | 51485 | 13431 | 60 |
| 50 | 62101 | 48700 | 51300 | 13401 | 50 |
| 60 | 62255 | 48885 | 51115 | 13371 | 40 |
| 70 | 62410 | 49069 | 50931 | 13341 | 30 |
| 80 | 62564 | 49254 | 50746 | 13310 | 20 |
| 90 | 62719 | 49439 | 50561 | 13280 | 10 |
| **47 oo** | 62873 | 49623 | 50377 | 13250 | **53 oo** |
| 10 | 63028 | 49808 | 50192 | 13220 | 90 |
| 20 | 63182 | 49993 | 50007 | 13190 | 80 |
| 30 | 63337 | 50177 | 49823 | 13160 | 70 |
| 40 | 63491 | 50362 | 49638 | 13130 | 60 |
| 50 | 63646 | 50546 | 49454 | 13100 | 50 |
| 60 | 63800 | 50731 | 49269 | 13069 | 40 |
| 70 | 63955 | 50916 | 49084 | 13039 | 30 |
| 80 | 64109 | 51100 | 48900 | 13009 | 20 |
| 90 | 64264 | 51285 | 48715 | 12979 | 10 |
| **48 oo** | 64418 | 51469 | 48531 | 12949 | **52 oo** |
| 10 | 64573 | 51654 | 48346 | 12919 | 90 |
| 20 | 64727 | 51838 | 48162 | 12889 | 80 |
| 30 | 64882 | 52023 | 47977 | 12858 | 70 |
| 40 | 65036 | 52208 | 47792 | 12828 | 60 |
| 50 | 65190 | 52392 | 47608 | 12798 | 50 |
| 60 | 65345 | 52577 | 47423 | 12768 | 40 |
| 70 | 65499 | 52761 | 47239 | 12738 | 30 |
| 80 | 65654 | 52946 | 47054 | 12708 | 20 |
| 90 | 65808 | 53130 | 46870 | 12678 | 10 |
| **49 oo** | 65962 | 53315 | 46685 | 12647 | **51 oo** |
| 10 | 66117 | 53499 | 46501 | 12617 | 90 |
| 20 | 66271 | 53684 | 46316 | 12587 | 80 |
| 30 | 66425 | 53868 | 46132 | 12557 | 70 |
| 40 | 66580 | 54053 | 45947 | 12527 | 60 |
| 50 | 66734 | 54237 | 45763 | 12497 | 50 |
| 60 | 66888 | 54422 | 45578 | 12467 | 40 |
| 70 | 67043 | 54606 | 45394 | 12436 | 30 |
| 80 | 67197 | 54791 | 45209 | 12406 | 20 |
| 90 | 67351 | 54975 | 45025 | 12376 | 10 |
| **50 oo** | 67506 | 55160 | 44840 | 12346 | **50 oo** |
| | **9.60** | **9.64** | **0.35** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 154 | 184 | 184 | 31 | |

| | 185 | 184 | 155 | 154 | 31 | 30 | |
|---|---|---|---|---|---|---|---|
| 1 | 18,5 | 18,4 | 15,5 | 15,4 | 3,1 | 3,0 | 1 |
| 2 | 37,0 | 36,8 | 31,0 | 30,8 | 6,2 | 6,0 | 2 |
| 3 | 55,5 | 55,2 | 46,5 | 46,2 | 9,3 | 9,0 | 3 |
| 4 | 74,0 | 73,6 | 62,0 | 61,6 | 12,4 | 12,0 | 4 |
| 5 | 92,5 | 92,0 | 77,5 | 77,0 | 15,5 | 15,0 | 5 |
| 6 | 111,0 | 110,4 | 93,0 | 92,4 | 18,6 | 18,0 | 6 |
| 7 | 129,5 | 128,8 | 108,5 | 107,8 | 21,7 | 21,0 | 7 |
| 8 | 148,0 | 147,2 | 124,0 | 123,2 | 24,8 | 24,0 | 8 |
| 9 | 166,5 | 165,6 | 139,5 | 138,6 | 27,9 | 27,0 | 9 |

| 26g | 155 | 185 | 185 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.60** | **9.64** | **0.35** | **9.96** | |
| **50 oo** | 67506 | 55160 | 44840 | 12346 | **50 oo** |
| 10 | 67660 | 55344 | 44656 | 12316 | 90 |
| 20 | 67814 | 55529 | 44471 | 12286 | 80 |
| 30 | 67969 | 55713 | 44287 | 12255 | 70 |
| 40 | 68123 | 55898 | 44102 | 12225 | 60 |
| 50 | 68277 | 56082 | 43918 | 12195 | 50 |
| 60 | 68431 | 56266 | 43734 | 12165 | 40 |
| 70 | 68586 | 56451 | 43549 | 12135 | 30 |
| 80 | 68740 | 56635 | 43365 | 12105 | 20 |
| 90 | 68894 | 56820 | 43180 | 12074 | 10 |
| **51 oo** | 69048 | 57004 | 42996 | 12044 | **49 oo** |
| 10 | 69203 | 57189 | 42811 | 12014 | 90 |
| 20 | 69357 | 57373 | 42627 | 11984 | 80 |
| 30 | 69511 | 57557 | 42443 | 11954 | 70 |
| 40 | 69665 | 57742 | 42258 | 11924 | 60 |
| 50 | 69820 | 57926 | 42074 | 11893 | 50 |
| 60 | 69974 | 58111 | 41889 | 11863 | 40 |
| 70 | 70128 | 58295 | 41705 | 11833 | 30 |
| 80 | 70282 | 58479 | 41521 | 11803 | 20 |
| 90 | 70436 | 58664 | 41336 | 11773 | 10 |
| **52 oo** | 70591 | 58848 | 41152 | 11743 | **48 oo** |
| 10 | 70745 | 59032 | 40968 | 11712 | 90 |
| 20 | 70899 | 59217 | 40783 | 11682 | 80 |
| 30 | 71053 | 59401 | 40599 | 11652 | 70 |
| 40 | 71207 | 59585 | 40415 | 11622 | 60 |
| 50 | 71361 | 59770 | 40230 | 11592 | 50 |
| 60 | 71515 | 59954 | 40046 | 11561 | 40 |
| 70 | 71670 | 60138 | 39862 | 11531 | 30 |
| 80 | 71824 | 60323 | 39677 | 11501 | 20 |
| 90 | 71978 | 60507 | 39493 | 11471 | 10 |
| **53 oo** | 72132 | 60691 | 39309 | 11441 | **47 oo** |
| 10 | 72286 | 60876 | 39124 | 11410 | 90 |
| 20 | 72440 | 61060 | 38940 | 11380 | 80 |
| 30 | 72594 | 61244 | 38756 | 11350 | 70 |
| 40 | 72748 | 61429 | 38571 | 11320 | 60 |
| 50 | 72902 | 61613 | 38387 | 11290 | 50 |
| 60 | 73057 | 61797 | 38203 | 11259 | 40 |
| 70 | 73211 | 61981 | 38019 | 11229 | 30 |
| 80 | 73365 | 62166 | 37834 | 11199 | 20 |
| 90 | 73519 | 62350 | 37650 | 11169 | 10 |
| **54 oo** | 73673 | 62534 | 37466 | 11139 | **46 oo** |
| 10 | 73827 | 62718 | 37282 | 11108 | 90 |
| 20 | 73981 | 62903 | 37097 | 11078 | 80 |
| 30 | 74135 | 63087 | 36913 | 11048 | 70 |
| 40 | 74289 | 63271 | 36729 | 11018 | 60 |
| 50 | 74443 | 63455 | 36545 | 10988 | 50 |
| 60 | 74597 | 63640 | 36360 | 10957 | 40 |
| 70 | 74751 | 63824 | 36176 | 10927 | 30 |
| 80 | 74905 | 64008 | 35992 | 10897 | 20 |
| 90 | 75059 | 64192 | 35808 | 10867 | 10 |
| **55 oo** | 75213 | 64376 | 35624 | 10836 | **45 oo** |
| | **9.60** | **9.64** | **0.35** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 154 | 184 | 184 | 31 | |

| 26g | 154 | 185 | 185 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.60** | **9.64** | **0.35** | **9.96** | |
| **55 oo** | 75213 | 64376 | 35624 | 10836 | **45 oo** |
| 10 | 75367 | 64561 | 35439 | 10806 | 90 |
| 20 | 75521 | 64745 | 35255 | 10776 | 80 |
| 30 | 75675 | 64929 | 35071 | 10746 | 70 |
| 40 | 75829 | 65113 | 34887 | 10716 | 60 |
| 50 | 75983 | 65297 | 34703 | 10685 | 50 |
| 60 | 76137 | 65482 | 34518 | 10655 | 40 |
| 70 | 76291 | 65666 | 34334 | 10625 | 30 |
| 80 | 76445 | 65850 | 34150 | 10595 | 20 |
| 90 | 76598 | 66034 | 33966 | 10564 | 10 |
| **56 oo** | 76752 | 66218 | 33782 | 10534 | **44 oo** |
| 10 | 76906 | 66402 | 33598 | 10504 | 90 |
| 20 | 77060 | 66587 | 33413 | 10474 | 80 |
| 30 | 77214 | 66771 | 33229 | 10443 | 70 |
| 40 | 77368 | 66955 | 33045 | 10413 | 60 |
| 50 | 77522 | 67139 | 32861 | 10383 | 50 |
| 60 | 77676 | 67323 | 32677 | 10353 | 40 |
| 70 | 77830 | 67507 | 32493 | 10322 | 30 |
| 80 | 77983 | 67691 | 32309 | 10292 | 20 |
| 90 | 78137 | 67875 | 32125 | 10262 | 10 |
| **57 oo** | 78291 | 68060 | 31940 | 10232 | **43 oo** |
| 10 | 78445 | 68244 | 31756 | 10201 | 90 |
| 20 | 78599 | 68428 | 31572 | 10171 | 80 |
| 30 | 78753 | 68612 | 31388 | 10141 | 70 |
| 40 | 78907 | 68796 | 31204 | 10111 | 60 |
| 50 | 79060 | 68980 | 31020 | 10080 | 50 |
| 60 | 79214 | 69164 | 30836 | 10050 | 40 |
| 70 | 79368 | 69348 | 30652 | 10020 | 30 |
| 80 | 79522 | 69532 | 30468 | 09990 | 20 |
| 90 | 79676 | 69716 | 30284 | 09959 | 10 |
| **58 oo** | 79829 | 69900 | 30100 | 09929 | **42 oo** |
| 10 | 79983 | 70084 | 29916 | 09899 | 90 |
| 20 | 80137 | 70268 | 29732 | 09869 | 80 |
| 30 | 80291 | 70452 | 29548 | 09838 | 70 |
| 40 | 80444 | 70636 | 29364 | 09808 | 60 |
| 50 | 80598 | 70820 | 29180 | 09778 | 50 |
| 60 | 80752 | 71004 | 28996 | 09748 | 40 |
| 70 | 80906 | 71188 | 28812 | 09717 | 30 |
| 80 | 81059 | 71372 | 28628 | 09687 | 20 |
| 90 | 81213 | 71556 | 28444 | 09657 | 10 |
| **59 oo** | 81367 | 71740 | 28260 | 09626 | **41 oo** |
| 10 | 81521 | 71924 | 28076 | 09596 | 90 |
| 20 | 81674 | 72108 | 27892 | 09566 | 80 |
| 30 | 81828 | 72292 | 27708 | 09536 | 70 |
| 40 | 81982 | 72476 | 27524 | 09505 | 60 |
| 50 | 82135 | 72660 | 27340 | 09475 | 50 |
| 60 | 82289 | 72844 | 27156 | 09445 | 40 |
| 70 | 82443 | 73028 | 26972 | 09414 | 30 |
| 80 | 82596 | 73212 | 26788 | 09384 | 20 |
| 90 | 82750 | 73396 | 26604 | 09354 | 10 |
| **60 oo** | 82904 | 73580 | 26420 | 09324 | **40 oo** |
| | **9.60** | **9.64** | **0.35** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 153 | 184 | 184 | 31 | |

| | 185 | 184 | 155 | 154 | 153 | 31 | 30 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 18,5 | 18,4 | 15,5 | 15,4 | 15,3 | 3,1 | 3,0 | 1 |
| 2 | 37,0 | 36,8 | 31,0 | 30,8 | 30,6 | 6,2 | 6,0 | 2 |
| 3 | 55,5 | 55,2 | 46,5 | 46,2 | 45,9 | 9,3 | 9,0 | 3 |
| 4 | 74,0 | 73,6 | 62,0 | 61,6 | 61,2 | 12,4 | 12,0 | 4 |
| 5 | 92,5 | 92,0 | 77,5 | 77,0 | 76,5 | 15,5 | 15,0 | 5 |
| 6 | 111,0 | 110,4 | 93,0 | 92,4 | 91,8 | 18,6 | 18,0 | 6 |
| 7 | 129,5 | 128,8 | 108,5 | 107,8 | 107,1 | 21,7 | 21,0 | 7 |
| 8 | 148,0 | 147,2 | 124,0 | 123,2 | 122,4 | 24,8 | 24,0 | 8 |
| 9 | 166,5 | 165,6 | 139,5 | 138,6 | 137,7 | 27,9 | 27,0 | 9 |

| 26g | 154 | 184 | 184 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.60** | **9.64** | **0.35** | **9.96** | |
| **60 oo** | 82904 | 73580 | 26420 | 09324 | **40 oo** |
| 10 | 83057 | 73764 | 26236 | 09293 | 90 |
| 20 | 83211 | 73948 | 26052 | 09263 | 80 |
| 30 | 83365 | 74132 | 25868 | 09233 | 70 |
| 40 | 83518 | 74316 | 25684 | 09202 | 60 |
| 50 | 83672 | 74500 | 25500 | 09172 | 50 |
| 60 | 83826 | 74684 | 25316 | 09142 | 40 |
| 70 | 83979 | 74868 | 25132 | 09112 | 30 |
| 80 | 84133 | 75052 | 24948 | 09081 | 20 |
| 90 | 84286 | 75235 | 24765 | 09051 | 10 |
| **61 oo** | 84440 | 75419 | 24581 | 09021 | **39 oo** |
| 10 | 84594 | 75603 | 24397 | 08990 | 90 |
| 20 | 84747 | 75787 | 24213 | 08960 | 80 |
| 30 | 84901 | 75971 | 24029 | 08930 | 70 |
| 40 | 85054 | 76155 | 23845 | 08899 | 60 |
| 50 | 85208 | 76339 | 23661 | 08869 | 50 |
| 60 | 85361 | 76523 | 23477 | 08839 | 40 |
| 70 | 85515 | 76706 | 23294 | 08809 | 30 |
| 80 | 85669 | 76890 | 23110 | 08778 | 20 |
| 90 | 85822 | 77074 | 22926 | 08748 | 10 |
| **62 oo** | 85976 | 77258 | 22742 | 08718 | **38 oo** |
| 10 | 86129 | 77442 | 22558 | 08687 | 90 |
| 20 | 86283 | 77626 | 22374 | 08657 | 80 |
| 30 | 86436 | 77809 | 22191 | 08627 | 70 |
| 40 | 86590 | 77993 | 22007 | 08596 | 60 |
| 50 | 86743 | 78177 | 21823 | 08566 | 50 |
| 60 | 86897 | 78361 | 21639 | 08536 | 40 |
| 70 | 87050 | 78545 | 21455 | 08505 | 30 |
| 80 | 87204 | 78728 | 21272 | 08475 | 20 |
| 90 | 87357 | 78912 | 21088 | 08445 | 10 |
| **63 oo** | 87511 | 79096 | 20904 | 08414 | **37 oo** |
| 10 | 87664 | 79280 | 20720 | 08384 | 90 |
| 20 | 87817 | 79464 | 20536 | 08354 | 80 |
| 30 | 87971 | 79647 | 20353 | 08323 | 70 |
| 40 | 88124 | 79831 | 20169 | 08293 | 60 |
| 50 | 88278 | 80015 | 19985 | 08263 | 50 |
| 60 | 88431 | 80199 | 19801 | 08232 | 40 |
| 70 | 88585 | 80382 | 19618 | 08202 | 30 |
| 80 | 88738 | 80566 | 19434 | 08172 | 20 |
| 90 | 88891 | 80750 | 19250 | 08141 | 10 |
| **64 oo** | 89045 | 80934 | 19066 | 08111 | **36 oo** |
| 10 | 89198 | 81117 | 18883 | 08081 | 90 |
| 20 | 89352 | 81301 | 18699 | 08050 | 80 |
| 30 | 89505 | 81485 | 18515 | 08020 | 70 |
| 40 | 89658 | 81669 | 18331 | 07990 | 60 |
| 50 | 89812 | 81852 | 18148 | 07959 | 50 |
| 60 | 89965 | 82036 | 17964 | 07929 | 40 |
| 70 | 90118 | 82220 | 17780 | 07899 | 30 |
| 80 | 90272 | 82403 | 17597 | 07868 | 20 |
| 90 | 90425 | 82587 | 17413 | 07838 | 10 |
| **65 oo** | 90578 | 82771 | 17229 | 07808 | **35 oo** |
| | **9.60** | **9.64** | **0.35** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 153 | 183 | 183 | 31 | |

| 26g | 154 | 184 | 184 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.60** | **9.64** | **0.35** | **9.96** | |
| **65 oo** | 90578 | 82771 | 17229 | 07808 | **35 oo** |
| 10 | 90732 | 82954 | 17046 | 07777 | 90 |
| 20 | 90885 | 83138 | 16862 | 07747 | 80 |
| 30 | 91038 | 83322 | 16678 | 07717 | 70 |
| 40 | 91192 | 83505 | 16495 | 07686 | 60 |
| 50 | 91345 | 83689 | 16311 | 07656 | 50 |
| 60 | 91498 | 83873 | 16127 | 07626 | 40 |
| 70 | 91652 | 84056 | 15944 | 07595 | 30 |
| 80 | 91805 | 84240 | 15760 | 07565 | 20 |
| 90 | 91958 | 84424 | 15576 | 07534 | 10 |
| **66 oo** | 92111 | 84607 | 15393 | 07504 | **34 oo** |
| 10 | 92265 | 84791 | 15209 | 07474 | 90 |
| 20 | 92418 | 84975 | 15025 | 07443 | 80 |
| 30 | 92571 | 85158 | 14842 | 07413 | 70 |
| 40 | 92724 | 85342 | 14658 | 07383 | 60 |
| 50 | 92878 | 85525 | 14475 | 07352 | 50 |
| 60 | 93031 | 85709 | 14291 | 07322 | 40 |
| 70 | 93184 | 85893 | 14107 | 07292 | 30 |
| 80 | 93337 | 86076 | 13924 | 07261 | 20 |
| 90 | 93490 | 86260 | 13740 | 07231 | 10 |
| **67 oo** | 93644 | 86443 | 13557 | 07200 | **33 oo** |
| 10 | 93797 | 86627 | 13373 | 07170 | 90 |
| 20 | 93950 | 86810 | 13190 | 07140 | 80 |
| 30 | 94103 | 86994 | 13006 | 07109 | 70 |
| 40 | 94256 | 87178 | 12822 | 07079 | 60 |
| 50 | 94410 | 87361 | 12639 | 07048 | 50 |
| 60 | 94563 | 87545 | 12455 | 07018 | 40 |
| 70 | 94716 | 87728 | 12272 | 06988 | 30 |
| 80 | 94869 | 87912 | 12088 | 06957 | 20 |
| 90 | 95022 | 88095 | 11905 | 06927 | 10 |
| **68 oo** | 95175 | 88279 | 11721 | 06897 | **32 oo** |
| 10 | 95329 | 88462 | 11538 | 06866 | 90 |
| 20 | 95482 | 88646 | 11354 | 06836 | 80 |
| 30 | 95635 | 88829 | 11171 | 06805 | 70 |
| 40 | 95788 | 89013 | 10987 | 06775 | 60 |
| 50 | 95941 | 89196 | 10804 | 06745 | 50 |
| 60 | 96094 | 89380 | 10620 | 06714 | 40 |
| 70 | 96247 | 89563 | 10437 | 06684 | 30 |
| 80 | 96400 | 89747 | 10253 | 06653 | 20 |
| 90 | 96553 | 89930 | 10070 | 06623 | 10 |
| **69 oo** | 96706 | 90114 | 09886 | 06593 | **31 oo** |
| 10 | 96859 | 90297 | 09703 | 06562 | 90 |
| 20 | 97013 | 90481 | 09519 | 06532 | 80 |
| 30 | 97166 | 90664 | 09336 | 06501 | 70 |
| 40 | 97319 | 90848 | 09152 | 06471 | 60 |
| 50 | 97472 | 91031 | 08969 | 06441 | 50 |
| 60 | 97625 | 91215 | 08785 | 06410 | 40 |
| 70 | 97778 | 91398 | 08602 | 06380 | 30 |
| 80 | 97931 | 91581 | 08419 | 06349 | 20 |
| 90 | 98084 | 91765 | 08235 | 06319 | 10 |
| **70 oo** | 98237 | 91948 | 08052 | 06288 | **30 oo** |
| | **9.60** | **9.64** | **0.35** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 153 | 183 | 183 | 31 | |

| | 184 | 183 | 154 | 153 | 31 | 30 | |
|---|---|---|---|---|---|---|---|
| 1 | 18,4 | 18,3 | 15,4 | 15,3 | 3,1 | 3,0 | 1 |
| 2 | 36,8 | 36,6 | 30,8 | 30,6 | 6,2 | 6,0 | 2 |
| 3 | 55,2 | 54,9 | 46,2 | 45,9 | 9,3 | 9,0 | 3 |
| 4 | 73,6 | 73,2 | 61,6 | 61,2 | 12,4 | 12,0 | 4 |
| 5 | 92,0 | 91,5 | 77,0 | 76,5 | 15,5 | 15,0 | 5 |
| 6 | 110,4 | 109,8 | 92,4 | 91,8 | 18,6 | 18,0 | 6 |
| 7 | 128,8 | 128,1 | 107,8 | 107,1 | 21,7 | 21,0 | 7 |
| 8 | 147,2 | 146,4 | 123,2 | 122,4 | 24,8 | 24,0 | 8 |
| 9 | 165,6 | 164,7 | 138,6 | 137,7 | 27,9 | 27,0 | 9 |

| 26g | 153 | 184 | 184 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.60 | 9.64 | 0.35 | 9.96 | |
| 70 oo | *98237 | 91948 | 08052 | 06288 | 30 oo |
| 10 | *98390 | 92132 | 07868 | 06258 | 90 |
| 20 | *98543 | 92315 | 07685 | 06228 | 80 |
| 30 | *98696 | 92499 | 07501 | 06197 | 70 |
| 40 | *98849 | 92682 | 07318 | 06167 | 60 |
| 50 | *99002 | 92865 | 07135 | 06136 | 50 |
| 60 | *99155 | 93049 | 06951 | 06106 | 40 |
| 70 | *99308 | 93232 | 06768 | 06076 | 30 |
| 80 | *99461 | 93416 | 06584 | 06045 | 20 |
| 90 | *99614 | 93599 | 06401 | 06015 | 10 |
| 71 oo | *99767 | 93782 | 06218 | 05984 | 29 oo |
| 10 | *99919 | 93966 | 06034 | 05954 | 90 |
| 20 | 00072 | 94149 | 05851 | 05923 | 80 |
| 30 | 00225 | 94332 | 05668 | 05893 | 70 |
| 40 | 00378 | 94516 | 05484 | 05863 | 60 |
| 50 | 00531 | 94699 | 05301 | 05832 | 50 |
| 60 | 00684 | 94882 | 05118 | 05802 | 40 |
| 70 | 00837 | 95066 | 04934 | 05771 | 30 |
| 80 | 00990 | 95249 | 04751 | 05741 | 20 |
| 90 | 01143 | 95432 | 04568 | 05710 | 10 |
| 72 oo | 01296 | 95616 | 04384 | 05680 | 28 oo |
| 10 | 01449 | 95799 | 04201 | 05649 | 90 |
| 20 | 01601 | 95982 | 04018 | 05619 | 80 |
| 30 | 01754 | 96166 | 03834 | 05589 | 70 |
| 40 | 01907 | 96349 | 03651 | 05558 | 60 |
| 50 | 02060 | 96532 | 03468 | 05528 | 50 |
| 60 | 02213 | 96716 | 03284 | 05497 | 40 |
| 70 | 02366 | 96899 | 03101 | 05467 | 30 |
| 80 | 02518 | 97082 | 02918 | 05436 | 20 |
| 90 | 02671 | 97265 | 02735 | 05406 | 10 |
| 73 oo | 02824 | 97449 | 02551 | 05375 | 27 oo |
| 10 | 02977 | 97632 | 02368 | 05345 | 90 |
| 20 | 03130 | 97815 | 02185 | 05315 | 80 |
| 30 | 03282 | 97998 | 02002 | 05284 | 70 |
| 40 | 03435 | 98182 | 01818 | 05254 | 60 |
| 50 | 03588 | 98365 | 01635 | 05223 | 50 |
| 60 | 03741 | 98548 | 01452 | 05193 | 40 |
| 70 | 03894 | 98731 | 01269 | 05162 | 30 |
| 80 | 04046 | 98915 | 01085 | 05132 | 20 |
| 90 | 04199 | 99098 | 00902 | 05101 | 10 |
| 74 oo | 04352 | 99281 | 00719 | 05071 | 26 oo |
| 10 | 04505 | 99464 | 00536 | 05040 | 90 |
| 20 | 04657 | 99647 | 00353 | 05010 | 80 |
| 30 | 04810 | 99831 | 00169 | 04979 | 70 |
| 40 | 04963 | *00014 | *99986 | 04949 | 60 |
| 50 | 05116 | *00197 | *99803 | 04918 | 50 |
| 60 | 05268 | *00380 | *99620 | 04888 | 40 |
| 70 | 05421 | *00563 | *99437 | 04858 | 30 |
| 80 | 05574 | *00747 | *99253 | 04827 | 20 |
| 90 | 05726 | *00930 | *99070 | 04797 | 10 |
| 75 oo | 05879 | *01113 | *98887 | 04766 | 25 oo |
| | 9.61 | *9.65 | *0.34 | 9.96 | c cc |
| | log cos | log ctg | log tg | log sin | 73g |
| | 152 | 183 | 183 | 31 | |

| 26g | 153 | 184 | 184 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 9.61 | 9.65 | 0.34 | 9.96 | |
| 75 oo | 05879 | 01113 | 98887 | 04766 | 25 oo |
| 10 | 06032 | 01296 | 98704 | 04736 | 90 |
| 20 | 06184 | 01479 | 98521 | 04705 | 80 |
| 30 | 06337 | 01662 | 98338 | 04675 | 70 |
| 40 | 06490 | 01846 | 98154 | 04644 | 60 |
| 50 | 06642 | 02029 | 97971 | 04614 | 50 |
| 60 | 06795 | 02212 | 97788 | 04583 | 40 |
| 70 | 06948 | 02395 | 97605 | 04553 | 30 |
| 80 | 07100 | 02578 | 97422 | 04522 | 20 |
| 90 | 07253 | 02761 | 97239 | 04492 | 10 |
| 76 oo | 07406 | 02944 | 97056 | 04461 | 24 oo |
| 10 | 07558 | 03127 | 96873 | 04431 | 90 |
| 20 | 07711 | 03311 | 96689 | 04400 | 80 |
| 30 | 07863 | 03494 | 96506 | 04370 | 70 |
| 40 | 08016 | 03677 | 96323 | 04339 | 60 |
| 50 | 08169 | 03860 | 96140 | 04309 | 50 |
| 60 | 08321 | 04043 | 95957 | 04278 | 40 |
| 70 | 08474 | 04226 | 95774 | 04248 | 30 |
| 80 | 08626 | 04409 | 95591 | 04217 | 20 |
| 90 | 08779 | 04592 | 95408 | 04187 | 10 |
| 77 oo | 08931 | 04775 | 95225 | 04156 | 23 oo |
| 10 | 09084 | 04958 | 95042 | 04126 | 90 |
| 20 | 09237 | 05141 | 94859 | 04095 | 80 |
| 30 | 09389 | 05324 | 94676 | 04065 | 70 |
| 40 | 09542 | 05507 | 94493 | 04034 | 60 |
| 50 | 09694 | 05690 | 94310 | 04004 | 50 |
| 60 | 09847 | 05873 | 94127 | 03973 | 40 |
| 70 | 09999 | 06057 | 93943 | 03943 | 30 |
| 80 | 10152 | 06240 | 93760 | 03912 | 20 |
| 90 | 10304 | 06423 | 93577 | 03882 | 10 |
| 78 oo | 10457 | 06606 | 93394 | 03851 | 22 oo |
| 10 | 10609 | 06789 | 93211 | 03821 | 90 |
| 20 | 10762 | 06972 | 93028 | 03790 | 80 |
| 30 | 10914 | 07155 | 92845 | 03760 | 70 |
| 40 | 11067 | 07338 | 92662 | 03729 | 60 |
| 50 | 11219 | 07521 | 92479 | 03698 | 50 |
| 60 | 11371 | 07704 | 92296 | 03668 | 40 |
| 70 | 11524 | 07887 | 92113 | 03637 | 30 |
| 80 | 11676 | 08069 | 91931 | 03607 | 20 |
| 90 | 11829 | 08252 | 91748 | 03576 | 10 |
| 79 oo | 11981 | 08435 | 91565 | 03546 | 21 oo |
| 10 | 12134 | 08618 | 91382 | 03515 | 90 |
| 20 | 12286 | 08801 | 91199 | 03485 | 80 |
| 30 | 12439 | 08984 | 91016 | 03454 | 70 |
| 40 | 12591 | 09167 | 90833 | 03424 | 60 |
| 50 | 12743 | 09350 | 90650 | 03393 | 50 |
| 60 | 12896 | 09533 | 90467 | 03363 | 40 |
| 70 | 13048 | 09716 | 90284 | 03332 | 30 |
| 80 | 13200 | 09899 | 90101 | 03302 | 20 |
| 90 | 13353 | 10082 | 89918 | 03271 | 10 |
| 80 oo | 13505 | 10265 | 89735 | 03240 | 20 oo |
| | 9.61 | 9.65 | 0.34 | 9.96 | c cc |
| | log cos | log ctg | log tg | log sin | 73g |
| | 152 | 182 | 182 | 31 | |

| | 184 | 183 | 182 | 153 | 152 | 31 | 30 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 18,4 | 18,3 | 18,2 | 15,3 | 15,2 | 3,1 | 3,0 | 1 |
| 2 | 36,8 | 36,6 | 36,4 | 30,6 | 30,4 | 6,2 | 6,0 | 2 |
| 3 | 55,2 | 54,9 | 54,6 | 45,9 | 45,6 | 9,3 | 9,0 | 3 |
| 4 | 73,6 | 73,2 | 72,8 | 61,2 | 60,8 | 12,4 | 12,0 | 4 |
| 5 | 92,0 | 91,5 | 91,0 | 76,5 | 76,0 | 15,5 | 15,0 | 5 |
| 6 | 110,4 | 109,8 | 109,2 | 91,8 | 91,2 | 18,6 | 18,0 | 6 |
| 7 | 128,8 | 128,1 | 127,4 | 107,1 | 106,4 | 21,7 | 21,0 | 7 |
| 8 | 147,2 | 146,4 | 145,6 | 122,4 | 121,6 | 24,8 | 24,0 | 8 |
| 9 | 165,6 | 164,7 | 163,8 | 137,7 | 136,8 | 27,9 | 27,0 | 9 |

| 26g | 153 | 183 | 183 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.61** | **9.65** | **0.34** | **9.96** | |
| **80 oo** | 13505 | 10265 | 89735 | 03240 | **20 oo** |
| 10 | 13658 | 10448 | 89552 | 03210 | 90 |
| 20 | 13810 | 10631 | 89369 | 03179 | 80 |
| 30 | 13962 | 10813 | 89187 | 03149 | 70 |
| 40 | 14115 | 10996 | 89004 | 03118 | 60 |
| 50 | 14267 | 11179 | 88821 | 03088 | 50 |
| 60 | 14419 | 11362 | 88638 | 03057 | 40 |
| 70 | 14572 | 11545 | 88455 | 03027 | 30 |
| 80 | 14724 | 11728 | 88272 | 02996 | 20 |
| 90 | 14876 | 11911 | 88089 | 02966 | 10 |
| **81 oo** | 15029 | 12094 | 87906 | 02935 | **19 oo** |
| 10 | 15181 | 12276 | 87724 | 02904 | 90 |
| 20 | 15333 | 12459 | 87541 | 02874 | 80 |
| 30 | 15485 | 12642 | 87358 | 02843 | 70 |
| 40 | 15638 | 12825 | 87175 | 02813 | 60 |
| 50 | 15790 | 13008 | 86992 | 02782 | 50 |
| 60 | 15942 | 13191 | 86809 | 02752 | 40 |
| 70 | 16094 | 13373 | 86627 | 02721 | 30 |
| 80 | 16247 | 13556 | 86444 | 02690 | 20 |
| 90 | 16399 | 13739 | 86261 | 02660 | 10 |
| **82 oo** | 16551 | 13922 | 86078 | 02629 | **18 oo** |
| 10 | 16703 | 14105 | 85895 | 02599 | 90 |
| 20 | 16856 | 14287 | 85713 | 02568 | 80 |
| 30 | 17008 | 14470 | 85530 | 02538 | 70 |
| 40 | 17160 | 14653 | 85347 | 02507 | 60 |
| 50 | 17312 | 14836 | 85164 | 02476 | 50 |
| 60 | 17464 | 15019 | 84981 | 02446 | 40 |
| 70 | 17617 | 15201 | 84799 | 02415 | 30 |
| 80 | 17769 | 15384 | 84616 | 02385 | 20 |
| 90 | 17921 | 15567 | 84433 | 02354 | 10 |
| **83 oo** | 18073 | 15750 | 84250 | 02324 | **17 oo** |
| 10 | 18225 | 15932 | 84068 | 02293 | 90 |
| 20 | 18378 | 16115 | 83885 | 02262 | 80 |
| 30 | 18530 | 16298 | 83702 | 02232 | 70 |
| 40 | 18682 | 16481 | 83519 | 02201 | 60 |
| 50 | 18834 | 16663 | 83337 | 02171 | 50 |
| 60 | 18986 | 16846 | 83154 | 02140 | 40 |
| 70 | 19138 | 17029 | 82971 | 02109 | 30 |
| 80 | 19290 | 17211 | 82789 | 02079 | 20 |
| 90 | 19442 | 17394 | 82606 | 02048 | 10 |
| **84 oo** | 19595 | 17577 | 82423 | 02018 | **16 oo** |
| 10 | 19747 | 17760 | 82240 | 01987 | 90 |
| 20 | 19899 | 17942 | 82058 | 01956 | 80 |
| 30 | 20051 | 18125 | 81875 | 01926 | 70 |
| 40 | 20203 | 18308 | 81692 | 01895 | 60 |
| 50 | 20355 | 18490 | 81510 | 01865 | 50 |
| 60 | 20507 | 18673 | 81327 | 01834 | 40 |
| 70 | 20659 | 18856 | 81144 | 01803 | 30 |
| 80 | 20811 | 19038 | 80962 | 01773 | 20 |
| 90 | 20963 | 19221 | 80779 | 01742 | 10 |
| **85 oo** | 21115 | 19404 | 80596 | 01712 | **15 oo** |
| | **9.61** | **9.65** | **0.34** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 152 | 182 | 182 | 31 | |

| 26g | 152 | 183 | 183 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.61** | **9.65** | **0.34** | **9.96** | |
| **85 oo** | 21115 | 19404 | 80596 | 01712 | **15 oo** |
| 10 | 21267 | 19586 | 80414 | 01681 | 90 |
| 20 | 21419 | 19769 | 80231 | 01650 | 80 |
| 30 | 21571 | 19952 | 80048 | 01620 | 70 |
| 40 | 21723 | 20134 | 79866 | 01589 | 60 |
| 50 | 21875 | 20317 | 79683 | 01559 | 50 |
| 60 | 22027 | 20499 | 79501 | 01528 | 40 |
| 70 | 22179 | 20682 | 79318 | 01497 | 30 |
| 80 | 22331 | 20865 | 79135 | 01467 | 20 |
| 90 | 22483 | 21047 | 78953 | 01436 | 10 |
| **86 oo** | 22635 | 21230 | 78770 | 01405 | **14 oo** |
| 10 | 22787 | 21413 | 78587 | 01375 | 90 |
| 20 | 22939 | 21595 | 78405 | 01344 | 80 |
| 30 | 23091 | 21778 | 78222 | 01314 | 70 |
| 40 | 23243 | 21960 | 78040 | 01283 | 60 |
| 50 | 23395 | 22143 | 77857 | 01252 | 50 |
| 60 | 23547 | 22325 | 77675 | 01222 | 40 |
| 70 | 23699 | 22508 | 77492 | 01191 | 30 |
| 80 | 23851 | 22691 | 77309 | 01160 | 20 |
| 90 | 24003 | 22873 | 77127 | 01130 | 10 |
| **87 oo** | 24155 | 23056 | 76944 | 01099 | **13 oo** |
| 10 | 24307 | 23238 | 76762 | 01069 | 90 |
| 20 | 24459 | 23421 | 76579 | 01038 | 80 |
| 30 | 24611 | 23603 | 76397 | 01007 | 70 |
| 40 | 24762 | 23786 | 76214 | 00977 | 60 |
| 50 | 24914 | 23968 | 76032 | 00946 | 50 |
| 60 | 25066 | 24151 | 75849 | 00915 | 40 |
| 70 | 25218 | 24333 | 75667 | 00885 | 30 |
| 80 | 25370 | 24516 | 75484 | 00854 | 20 |
| 90 | 25522 | 24698 | 75302 | 00823 | 10 |
| **88 oo** | 25674 | 24881 | 75119 | 00793 | **12 oo** |
| 10 | 25826 | 25063 | 74937 | 00762 | 90 |
| 20 | 25977 | 25246 | 74754 | 00732 | 80 |
| 30 | 26129 | 25428 | 74572 | 00701 | 70 |
| 40 | 26281 | 25611 | 74389 | 00670 | 60 |
| 50 | 26433 | 25793 | 74207 | 00640 | 50 |
| 60 | 26585 | 25976 | 74024 | 00609 | 40 |
| 70 | 26736 | 26158 | 73842 | 00578 | 30 |
| 80 | 26888 | 26341 | 73659 | 00548 | 20 |
| 90 | 27040 | 26523 | 73477 | 00517 | 10 |
| **89 oo** | 27192 | 26706 | 73294 | 00486 | **11 oo** |
| 10 | 27344 | 26888 | 73112 | 00456 | 90 |
| 20 | 27495 | 27070 | 72930 | 00425 | 80 |
| 30 | 27647 | 27253 | 72747 | 00394 | 70 |
| 40 | 27799 | 27435 | 72565 | 00364 | 60 |
| 50 | 27951 | 27618 | 72382 | 00333 | 50 |
| 60 | 28102 | 27800 | 72200 | 00302 | 40 |
| 70 | 28254 | 27983 | 72017 | 00272 | 30 |
| 80 | 28406 | 28165 | 71835 | 00241 | 20 |
| 90 | 28558 | 28347 | 71653 | 00210 | 10 |
| **90 oo** | 28709 | 28530 | 71470 | 00180 | **10 oo** |
| | **9.61** | **9.65** | **0.34** | **9.96** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 151 | 182 | 182 | 31 | |

| | 183 | 182 | 153 | 152 | 151 | 31 | 30 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 18,3 | 18,2 | 15,3 | 15,2 | 15,1 | 3,1 | 3,0 | 1 |
| 2 | 36,6 | 36,4 | 30,6 | 30,4 | 30,2 | 6,2 | 6,0 | 2 |
| 3 | 54,9 | 54,6 | 45,9 | 45,6 | 45,3 | 9,3 | 9,0 | 3 |
| 4 | 73,2 | 72,8 | 61,2 | 60,8 | 60,4 | 12,4 | 12,0 | 4 |
| 5 | 91,5 | 91,0 | 76,5 | 76,0 | 75,5 | 15,5 | 15,0 | 5 |
| 6 | 109,8 | 109,2 | 91,8 | 91,2 | 90,6 | 18,6 | 18,0 | 6 |
| 7 | 128,1 | 127,4 | 107,1 | 106,4 | 105,7 | 21,7 | 21,0 | 7 |
| 8 | 146,4 | 145,6 | 122,4 | 121,6 | 120,8 | 24,8 | 24,0 | 8 |
| 9 | 164,7 | 163,8 | 137,7 | 136,8 | 135,9 | 27,9 | 27,0 | 9 |

| 26g | 152 | 183 | 183 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.61** | **9.65** | **0.34** | ∗**9.96** | |
| **90 oo** | 28709 | 28530 | 71470 | ∗00180 | **10 oo** |
| 10 | 28861 | 28712 | 71288 | ∗00149 | 90 |
| 20 | 29013 | 28895 | 71105 | ∗00118 | 80 |
| 30 | 29165 | 29077 | 70923 | ∗00088 | 70 |
| 40 | 29316 | 29259 | 70741 | ∗00057 | 60 |
| 50 | 29468 | 29442 | 70558 | ∗00026 | 50 |
| 60 | 29620 | 29624 | 70376 | 99996 | 40 |
| 70 | 29771 | 29806 | 70194 | 99965 | 30 |
| 80 | 29923 | 29989 | 70011 | 99934 | 20 |
| 90 | 30075 | 30171 | 69829 | 99903 | 10 |
| **91 oo** | 30226 | 30354 | 69646 | 99873 | **09 oo** |
| 10 | 30378 | 30536 | 69464 | 99842 | 90 |
| 20 | 30530 | 30718 | 69282 | 99811 | 80 |
| 30 | 30681 | 30901 | 69099 | 99781 | 70 |
| 40 | 30833 | 31083 | 68917 | 99750 | 60 |
| 50 | 30985 | 31265 | 68735 | 99719 | 50 |
| 60 | 31136 | 31448 | 68552 | 99689 | 40 |
| 70 | 31288 | 31630 | 68370 | 99658 | 30 |
| 80 | 31439 | 31812 | 68188 | 99627 | 20 |
| 90 | 31591 | 31994 | 68006 | 99597 | 10 |
| **92 oo** | 31743 | 32177 | 67823 | 99566 | **08 oo** |
| 10 | 31894 | 32359 | 67641 | 99535 | 90 |
| 20 | 32046 | 32541 | 67459 | 99504 | 80 |
| 30 | 32197 | 32724 | 67276 | 99474 | 70 |
| 40 | 32349 | 32906 | 67094 | 99443 | 60 |
| 50 | 32501 | 33088 | 66912 | 99412 | 50 |
| 60 | 32652 | 33270 | 66730 | 99382 | 40 |
| 70 | 32804 | 33453 | 66547 | 99351 | 30 |
| 80 | 32955 | 33635 | 66365 | 99320 | 20 |
| 90 | 33107 | 33817 | 66183 | 99290 | 10 |
| **93 oo** | 33258 | 33999 | 66001 | 99259 | **07 oo** |
| 10 | 33410 | 34182 | 65818 | 99228 | 90 |
| 20 | 33561 | 34364 | 65636 | 99197 | 80 |
| 30 | 33713 | 34546 | 65454 | 99167 | 70 |
| 40 | 33864 | 34728 | 65272 | 99136 | 60 |
| 50 | 34016 | 34911 | 65089 | 99105 | 50 |
| 60 | 34167 | 35093 | 64907 | 99075 | 40 |
| 70 | 34319 | 35275 | 64725 | 99044 | 30 |
| 80 | 34470 | 35457 | 64543 | 99013 | 20 |
| 90 | 34622 | 35639 | 64361 | 98982 | 10 |
| **94 oo** | 34773 | 35822 | 64178 | 98952 | **06 oo** |
| 10 | 34925 | 36004 | 63996 | 98921 | 90 |
| 20 | 35076 | 36186 | 63814 | 98890 | 80 |
| 30 | 35228 | 36368 | 63632 | 98859 | 70 |
| 40 | 35379 | 36550 | 63450 | 98829 | 60 |
| 50 | 35531 | 36732 | 63268 | 98798 | 50 |
| 60 | 35682 | 36915 | 63085 | 98767 | 40 |
| 70 | 35833 | 37097 | 62903 | 98737 | 30 |
| 80 | 35985 | 37279 | 62721 | 98706 | 20 |
| 90 | 36136 | 37461 | 62539 | 98675 | 10 |
| **95 oo** | 36288 | 37643 | 62357 | 98644 | **05 oo** |
| | **9.61** | **9.65** | **0.34** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 151 | 182 | 182 | 31 | |

| 26g | 152 | 183 | 183 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.61** | **9.65** | **0.34** | **9.95** | |
| **95 oo** | 36288 | 37643 | 62357 | 98644 | **05 oo** |
| 10 | 36439 | 37825 | 62175 | 98614 | 90 |
| 20 | 36590 | 38008 | 61992 | 98583 | 80 |
| 30 | 36742 | 38190 | 61810 | 98552 | 70 |
| 40 | 36893 | 38372 | 61628 | 98521 | 60 |
| 50 | 37045 | 38554 | 61446 | 98491 | 50 |
| 60 | 37196 | 38736 | 61264 | 98460 | 40 |
| 70 | 37347 | 38918 | 61082 | 98429 | 30 |
| 80 | 37499 | 39100 | 60900 | 98398 | 20 |
| 90 | 37650 | 39282 | 60718 | 98368 | 10 |
| **96 oo** | 37801 | 39464 | 60536 | 98337 | **04 oo** |
| 10 | 37953 | 39647 | 60353 | 98306 | 90 |
| 20 | 38104 | 39829 | 60171 | 98275 | 80 |
| 30 | 38255 | 40011 | 59989 | 98245 | 70 |
| 40 | 38407 | 40193 | 59807 | 98214 | 60 |
| 50 | 38558 | 40375 | 59625 | 98183 | 50 |
| 60 | 38709 | 40557 | 59443 | 98152 | 40 |
| 70 | 38861 | 40739 | 59261 | 98122 | 30 |
| 80 | 39012 | 40921 | 59079 | 98091 | 20 |
| 90 | 39163 | 41103 | 58897 | 98060 | 10 |
| **97 oo** | 39314 | 41285 | 58715 | 98029 | **03 oo** |
| 10 | 39466 | 41467 | 58533 | 97999 | 90 |
| 20 | 39617 | 41649 | 58351 | 97968 | 80 |
| 30 | 39768 | 41831 | 58169 | 97937 | 70 |
| 40 | 39920 | 42013 | 57987 | 97906 | 60 |
| 50 | 40071 | 42195 | 57805 | 97876 | 50 |
| 60 | 40222 | 42377 | 57623 | 97845 | 40 |
| 70 | 40373 | 42559 | 57441 | 97814 | 30 |
| 80 | 40524 | 42741 | 57259 | 97783 | 20 |
| 90 | 40676 | 42923 | 57077 | 97752 | 10 |
| **98 oo** | 40827 | 43105 | 56895 | 97722 | **02 oo** |
| 10 | 40978 | 43287 | 56713 | 97691 | 90 |
| 20 | 41129 | 43469 | 56531 | 97660 | 80 |
| 30 | 41281 | 43651 | 56349 | 97629 | 70 |
| 40 | 41432 | 43833 | 56167 | 97599 | 60 |
| 50 | 41583 | 44015 | 55985 | 97568 | 50 |
| 60 | 41734 | 44197 | 55803 | 97537 | 40 |
| 70 | 41885 | 44379 | 55621 | 97506 | 30 |
| 80 | 42036 | 44561 | 55439 | 97475 | 20 |
| 90 | 42188 | 44743 | 55257 | 97445 | 10 |
| **99 oo** | 42339 | 44925 | 55075 | 97414 | **01 oo** |
| 10 | 42490 | 45107 | 54893 | 97383 | 90 |
| 20 | 42641 | 45289 | 54711 | 97352 | 80 |
| 30 | 42792 | 45471 | 54529 | 97321 | 70 |
| 40 | 42943 | 45653 | 54347 | 97291 | 60 |
| 50 | 43094 | 45835 | 54165 | 97260 | 50 |
| 60 | 43246 | 46016 | 53984 | 97229 | 40 |
| 70 | 43397 | 46198 | 53802 | 97198 | 30 |
| 80 | 43548 | 46380 | 53620 | 97167 | 20 |
| 90 | 43699 | 46562 | 53438 | 97137 | 10 |
| **100 oo** | 43850 | 46744 | 53256 | 97106 | **00 oo** |
| | **9.61** | **9.65** | **0.34** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **73g** |
| | 151 | 181 | 181 | 31 | |

| | 183 | 182 | 181 | 152 | 151 | 31 | 30 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 18,3 | 18,2 | 18,1 | 15,2 | 15,1 | 3,1 | 3,0 | 1 |
| 2 | 36,6 | 36,4 | 36,2 | 30,4 | 30,2 | 6,2 | 6,0 | 2 |
| 3 | 54,9 | 54,6 | 54,3 | 45,6 | 45,3 | 9,3 | 9,0 | 3 |
| 4 | 73,2 | 72,8 | 72,4 | 60,8 | 60,4 | 12,4 | 12,0 | 4 |
| 5 | 91,5 | 91,0 | 90,5 | 76,0 | 75,5 | 15,5 | 15,0 | 5 |
| 6 | 109,8 | 109,2 | 108,6 | 91,2 | 90,6 | 18,6 | 18,0 | 6 |
| 7 | 128,1 | 127,4 | 126,7 | 106,4 | 105,7 | 21,7 | 21,0 | 7 |
| 8 | 146,4 | 145,6 | 144,8 | 121,6 | 120,8 | 24,8 | 24,0 | 8 |
| 9 | 164,7 | 163,8 | 162,9 | 136,8 | 135,9 | 27,9 | 27,0 | 9 |

| **27g** | 152 | 182 | 182 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.61** | **9.65** | **0.34** | **9.95** | |
| **00 oo** | 43850 | 46744 | 53256 | 97106 | **100 oo** |
| 10 | 44001 | 46926 | 53074 | 97075 | 90 |
| 20 | 44152 | 47108 | 52892 | 97044 | 80 |
| 30 | 44303 | 47290 | 52710 | 97013 | 70 |
| 40 | 44454 | 47472 | 52528 | 96983 | 60 |
| 50 | 44605 | 47653 | 52347 | 96952 | 50 |
| 60 | 44756 | 47835 | 52165 | 96921 | 40 |
| 70 | 44907 | 48017 | 51983 | 96890 | 30 |
| 80 | 45058 | 48199 | 51801 | 96859 | 20 |
| 90 | 45209 | 48381 | 51619 | 96829 | 10 |
| **01 oo** | 45360 | 48563 | 51437 | 96798 | **99 oo** |
| 10 | 45512 | 48745 | 51255 | 96767 | 90 |
| 20 | 45663 | 48926 | 51074 | 96736 | 80 |
| 30 | 45814 | 49108 | 50892 | 96705 | 70 |
| 40 | 45965 | 49290 | 50710 | 96675 | 60 |
| 50 | 46116 | 49472 | 50528 | 96644 | 50 |
| 60 | 46267 | 49654 | 50346 | 96613 | 40 |
| 70 | 46418 | 49835 | 50165 | 96582 | 30 |
| 80 | 46568 | 50017 | 49983 | 96551 | 20 |
| 90 | 46719 | 50199 | 49801 | 96520 | 10 |
| **02 oo** | 46870 | 50381 | 49619 | 96490 | **98 oo** |
| 10 | 47021 | 50563 | 49437 | 96459 | 90 |
| 20 | 47172 | 50744 | 49256 | 96428 | 80 |
| 30 | 47323 | 50926 | 49074 | 96397 | 70 |
| 40 | 47474 | 51108 | 48892 | 96366 | 60 |
| 50 | 47625 | 51290 | 48710 | 96335 | 50 |
| 60 | 47776 | 51472 | 48528 | 96305 | 40 |
| 70 | 47927 | 51653 | 48347 | 96274 | 30 |
| 80 | 48078 | 51835 | 48165 | 96243 | 20 |
| 90 | 48229 | 52017 | 47983 | 96212 | 10 |
| **03 oo** | 48380 | 52199 | 47801 | 96181 | **97 oo** |
| 10 | 48531 | 52380 | 47620 | 96150 | 90 |
| 20 | 48682 | 52562 | 47438 | 96120 | 80 |
| 30 | 48832 | 52744 | 47256 | 96089 | 70 |
| 40 | 48983 | 52925 | 47075 | 96058 | 60 |
| 50 | 49134 | 53107 | 46893 | 96027 | 50 |
| 60 | 49285 | 53289 | 46711 | 95996 | 40 |
| 70 | 49436 | 53471 | 46529 | 95965 | 30 |
| 80 | 49587 | 53652 | 46348 | 95934 | 20 |
| 90 | 49738 | 53834 | 46166 | 95904 | 10 |
| **04 oo** | 49888 | 54016 | 45984 | 95873 | **96 oo** |
| 10 | 50039 | 54197 | 45803 | 95842 | 90 |
| 20 | 50190 | 54379 | 45621 | 95811 | 80 |
| 30 | 50341 | 54561 | 45439 | 95780 | 70 |
| 40 | 50492 | 54742 | 45258 | 95749 | 60 |
| 50 | 50642 | 54924 | 45076 | 95718 | 50 |
| 60 | 50793 | 55106 | 44894 | 95688 | 40 |
| 70 | 50944 | 55287 | 44713 | 95657 | 30 |
| 80 | 51095 | 55469 | 44531 | 95626 | 20 |
| 90 | 51246 | 55651 | 44349 | 95595 | 10 |
| **05 oo** | 51396 | 55832 | 44168 | 95564 | **95 oo** |
| | **9.61** | **9.65** | **0.34** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 150 | 181 | 181 | 31 | |

| **27g** | 151 | 182 | 182 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.61** | **9.65** | **0.34** | **9.95** | |
| **05 oo** | 51396 | 55832 | 44168 | 95564 | **95 oo** |
| 10 | 51547 | 56014 | 43986 | 95533 | 90 |
| 20 | 51698 | 56196 | 43804 | 95502 | 80 |
| 30 | 51849 | 56377 | 43623 | 95472 | 70 |
| 40 | 51999 | 56559 | 43441 | 95441 | 60 |
| 50 | 52150 | 56740 | 43260 | 95410 | 50 |
| 60 | 52301 | 56922 | 43078 | 95379 | 40 |
| 70 | 52452 | 57104 | 42896 | 95348 | 30 |
| 80 | 52602 | 57285 | 42715 | 95317 | 20 |
| 90 | 52753 | 57467 | 42533 | 95286 | 10 |
| **06 oo** | 52904 | 57648 | 42352 | 95255 | **94 oo** |
| 10 | 53055 | 57830 | 42170 | 95225 | 90 |
| 20 | 53205 | 58012 | 41988 | 95194 | 80 |
| 30 | 53356 | 58193 | 41807 | 95163 | 70 |
| 40 | 53507 | 58375 | 41625 | 95132 | 60 |
| 50 | 53657 | 58556 | 41444 | 95101 | 50 |
| 60 | 53808 | 58738 | 41262 | 95070 | 40 |
| 70 | 53959 | 58919 | 41081 | 95039 | 30 |
| 80 | 54109 | 59101 | 40899 | 95008 | 20 |
| 90 | 54260 | 59283 | 40717 | 94977 | 10 |
| **07 oo** | 54411 | 59464 | 40536 | 94947 | **93 oo** |
| 10 | 54561 | 59646 | 40354 | 94916 | 90 |
| 20 | 54712 | 59827 | 40173 | 94885 | 80 |
| 30 | 54863 | 60009 | 39991 | 94854 | 70 |
| 40 | 55013 | 60190 | 39810 | 94823 | 60 |
| 50 | 55164 | 60372 | 39628 | 94792 | 50 |
| 60 | 55314 | 60553 | 39447 | 94761 | 40 |
| 70 | 55465 | 60735 | 39265 | 94730 | 30 |
| 80 | 55616 | 60916 | 39084 | 94699 | 20 |
| 90 | 55766 | 61098 | 38902 | 94668 | 10 |
| **08 oo** | 55917 | 61279 | 38721 | 94638 | **92 oo** |
| 10 | 56067 | 61461 | 38539 | 94607 | 90 |
| 20 | 56218 | 61642 | 38358 | 94576 | 80 |
| 30 | 56368 | 61824 | 38176 | 94545 | 70 |
| 40 | 56519 | 62005 | 37995 | 94514 | 60 |
| 50 | 56670 | 62187 | 37813 | 94483 | 50 |
| 60 | 56820 | 62368 | 37632 | 94452 | 40 |
| 70 | 56971 | 62549 | 37451 | 94421 | 30 |
| 80 | 57121 | 62731 | 37269 | 94390 | 20 |
| 90 | 57272 | 62912 | 37088 | 94359 | 10 |
| **09 oo** | 57422 | 63094 | 36906 | 94328 | **91 oo** |
| 10 | 57573 | 63275 | 36725 | 94298 | 90 |
| 20 | 57723 | 63457 | 36543 | 94267 | 80 |
| 30 | 57874 | 63638 | 36362 | 94236 | 70 |
| 40 | 58024 | 63820 | 36180 | 94205 | 60 |
| 50 | 58175 | 64001 | 35999 | 94174 | 50 |
| 60 | 58325 | 64182 | 35818 | 94143 | 40 |
| 70 | 58476 | 64364 | 35636 | 94112 | 30 |
| 80 | 58626 | 64545 | 35455 | 94081 | 20 |
| 90 | 58777 | 64727 | 35273 | 94050 | 10 |
| **10 oo** | 58927 | 64908 | 35092 | 94019 | **90 oo** |
| | **9.61** | **9.65** | **0.34** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 150 | 181 | 181 | 31 | |

| | 182 | 181 | 152 | 151 | 150 | 31 | 30 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 18,2 | 18,1 | 15,2 | 15,1 | 15,0 | 3,1 | 3,0 | 1 |
| 2 | 36,4 | 36,2 | 30,4 | 30,2 | 30,0 | 6,2 | 6,0 | 2 |
| 3 | 54,6 | 54,3 | 45,6 | 45,3 | 45,0 | 9,3 | 9,0 | 3 |
| 4 | 72,8 | 72,4 | 60,8 | 60,4 | 60,0 | 12,4 | 12,0 | 4 |
| 5 | 91,0 | 90,5 | 76,0 | 75,5 | 75,0 | 15,5 | 15,0 | 5 |
| 6 | 109,2 | 108,6 | 91,2 | 90,6 | 90,0 | 18,6 | 18,0 | 6 |
| 7 | 127,4 | 126,7 | 106,4 | 105,7 | 105,0 | 21,7 | 21,0 | 7 |
| 8 | 145,6 | 144,8 | 121,6 | 120,8 | 120,0 | 24,8 | 24,0 | 8 |
| 9 | 163,8 | 162,9 | 136,8 | 135,9 | 135,0 | 27,9 | 27,0 | 9 |

| 27g | 151 | 182 | 182 | 30 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.61** | **9.65** | **0.34** | **9.95** | |
| **10 oo** | 58927 | 64908 | 35092 | 94019 | **90 oo** |
| 10 | 59078 | 65089 | 34911 | 93988 | 90 |
| 20 | 59228 | 65271 | 34729 | 93957 | 80 |
| 30 | 59379 | 65452 | 34548 | 93926 | 70 |
| 40 | 59529 | 65633 | 34367 | 93895 | 60 |
| 50 | 59679 | 65815 | 34185 | 93865 | 50 |
| 60 | 59830 | 65996 | 34004 | 93834 | 40 |
| 70 | 59980 | 66178 | 33822 | 93803 | 30 |
| 80 | 60131 | 66359 | 33641 | 93772 | 20 |
| 90 | 60281 | 66540 | 33460 | 93741 | 10 |
| **11 oo** | 60431 | 66722 | 33278 | 93710 | **89 oo** |
| 10 | 60582 | 66903 | 33097 | 93679 | 90 |
| 20 | 60732 | 67084 | 32916 | 93648 | 80 |
| 30 | 60883 | 67266 | 32734 | 93617 | 70 |
| 40 | 61033 | 67447 | 32553 | 93586 | 60 |
| 50 | 61183 | 67628 | 32372 | 93555 | 50 |
| 60 | 61334 | 67810 | 32190 | 93524 | 40 |
| 70 | 61484 | 67991 | 32009 | 93493 | 30 |
| 80 | 61634 | 68172 | 31828 | 93462 | 20 |
| 90 | 61785 | 68353 | 31647 | 93431 | 10 |
| **12 oo** | 61935 | 68535 | 31465 | 93400 | **88 oo** |
| 10 | 62085 | 68716 | 31284 | 93369 | 90 |
| 20 | 62236 | 68897 | 31103 | 93338 | 80 |
| 30 | 62386 | 69079 | 30921 | 93307 | 70 |
| 40 | 62536 | 69260 | 30740 | 93276 | 60 |
| 50 | 62687 | 69441 | 30559 | 93246 | 50 |
| 60 | 62837 | 69622 | 30378 | 93215 | 40 |
| 70 | 62987 | 69804 | 30196 | 93184 | 30 |
| 80 | 63138 | 69985 | 30015 | 93153 | 20 |
| 90 | 63288 | 70166 | 29834 | 93122 | 10 |
| **13 oo** | 63438 | 70347 | 29653 | 93091 | **87 oo** |
| 10 | 63588 | 70529 | 29471 | 93060 | 90 |
| 20 | 63739 | 70710 | 29290 | 93029 | 80 |
| 30 | 63889 | 70891 | 29109 | 92998 | 70 |
| 40 | 64039 | 71072 | 28928 | 92967 | 60 |
| 50 | 64189 | 71253 | 28747 | 92936 | 50 |
| 60 | 64340 | 71435 | 28565 | 92905 | 40 |
| 70 | 64490 | 71616 | 28384 | 92874 | 30 |
| 80 | 64640 | 71797 | 28203 | 92843 | 20 |
| 90 | 64790 | 71978 | 28022 | 92812 | 10 |
| **14 oo** | 64940 | 72160 | 27840 | 92781 | **86 oo** |
| 10 | 65091 | 72341 | 27659 | 92750 | 90 |
| 20 | 65241 | 72522 | 27478 | 92719 | 80 |
| 30 | 65391 | 72703 | 27297 | 92688 | 70 |
| 40 | 65541 | 72884 | 27116 | 92657 | 60 |
| 50 | 65691 | 73065 | 26935 | 92626 | 50 |
| 60 | 65842 | 73247 | 26753 | 92595 | 40 |
| 70 | 65992 | 73428 | 26572 | 92564 | 30 |
| 80 | 66142 | 73609 | 26391 | 92533 | 20 |
| 90 | 66292 | 73790 | 26210 | 92502 | 10 |
| **15 oo** | 66442 | 73971 | 26029 | 92471 | **85 oo** |
| | **9.61** | **9.65** | **0.34** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 150 | 181 | 181 | 31 | |

| 27g | 151 | 182 | 182 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.61** | **9.65** | **0.34** | **9.95** | |
| **15 oo** | 66442 | 73971 | 26029 | 92471 | **85 oo** |
| 10 | 66592 | 74152 | 25848 | 92440 | 90 |
| 20 | 66742 | 74333 | 25667 | 92409 | 80 |
| 30 | 66893 | 74515 | 25485 | 92378 | 70 |
| 40 | 67043 | 74696 | 25304 | 92347 | 60 |
| 50 | 67193 | 74877 | 25123 | 92316 | 50 |
| 60 | 67343 | 75058 | 24942 | 92285 | 40 |
| 70 | 67493 | 75239 | 24761 | 92254 | 30 |
| 80 | 67643 | 75420 | 24580 | 92223 | 20 |
| 90 | 67793 | 75601 | 24399 | 92192 | 10 |
| **16 oo** | 67943 | 75782 | 24218 | 92161 | **84 oo** |
| 10 | 68093 | 75963 | 24037 | 92130 | 90 |
| 20 | 68243 | 76144 | 23856 | 92099 | 80 |
| 30 | 68394 | 76326 | 23674 | 92068 | 70 |
| 40 | 68544 | 76507 | 23493 | 92037 | 60 |
| 50 | 68694 | 76688 | 23312 | 92006 | 50 |
| 60 | 68844 | 76869 | 23131 | 91975 | 40 |
| 70 | 68994 | 77050 | 22950 | 91944 | 30 |
| 80 | 69144 | 77231 | 22769 | 91913 | 20 |
| 90 | 69294 | 77412 | 22588 | 91882 | 10 |
| **17 oo** | 69444 | 77593 | 22407 | 91851 | **83 oo** |
| 10 | 69594 | 77774 | 22226 | 91820 | 90 |
| 20 | 69744 | 77955 | 22045 | 91789 | 80 |
| 30 | 69894 | 78136 | 21864 | 91758 | 70 |
| 40 | 70044 | 78317 | 21683 | 91727 | 60 |
| 50 | 70194 | 78498 | 21502 | 91696 | 50 |
| 60 | 70344 | 78679 | 21321 | 91665 | 40 |
| 70 | 70494 | 78860 | 21140 | 91634 | 30 |
| 80 | 70644 | 79041 | 20959 | 91603 | 20 |
| 90 | 70794 | 79222 | 20778 | 91572 | 10 |
| **18 oo** | 70944 | 79403 | 20597 | 91541 | **82 oo** |
| 10 | 71094 | 79584 | 20416 | 91510 | 90 |
| 20 | 71244 | 79765 | 20235 | 91479 | 80 |
| 30 | 71394 | 79946 | 20054 | 91447 | 70 |
| 40 | 71543 | 80127 | 19873 | 91416 | 60 |
| 50 | 71693 | 80308 | 19692 | 91385 | 50 |
| 60 | 71843 | 80489 | 19511 | 91354 | 40 |
| 70 | 71993 | 80670 | 19330 | 91323 | 30 |
| 80 | 72143 | 80851 | 19149 | 91292 | 20 |
| 90 | 72293 | 81032 | 18968 | 91261 | 10 |
| **19 oo** | 72443 | 81213 | 18787 | 91230 | **81 oo** |
| 10 | 72593 | 81394 | 18606 | 91199 | 90 |
| 20 | 72743 | 81575 | 18425 | 91168 | 80 |
| 30 | 72893 | 81756 | 18244 | 91137 | 70 |
| 40 | 73042 | 81936 | 18064 | 91106 | 60 |
| 50 | 73192 | 82117 | 17883 | 91075 | 50 |
| 60 | 73342 | 82298 | 17702 | 91044 | 40 |
| 70 | 73492 | 82479 | 17521 | 91013 | 30 |
| 80 | 73642 | 82660 | 17340 | 90982 | 20 |
| 90 | 73792 | 82841 | 17159 | 90951 | 10 |
| **20 oo** | 73942 | 83022 | 16978 | 90920 | **80 oo** |
| | **9.61** | **9.65** | **0.34** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 149 | 180 | 180 | 32 | |

| | 182 | 181 | 180 | 151 | 150 | 149 | 32 | 31 | 30 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18,2 | 18,1 | 18,0 | 15,1 | 15,0 | 14,9 | 3,2 | 3,1 | 3,0 | 1 |
| 2 | 36,4 | 36,2 | 36,0 | 30,2 | 30,0 | 29,8 | 6,4 | 6,2 | 6,0 | 2 |
| 3 | 54,6 | 54,3 | 54,0 | 45,3 | 45,0 | 44,7 | 9,6 | 9,3 | 9,0 | 3 |
| 4 | 72,8 | 72,4 | 72,0 | 60,4 | 60,0 | 59,6 | 12,8 | 12,4 | 12,0 | 4 |
| 5 | 91,0 | 90,5 | 90,0 | 75,5 | 75,0 | 74,5 | 16,0 | 15,5 | 15,0 | 5 |
| 6 | 109,2 | 108,6 | 108,0 | 90,6 | 90,0 | 89,4 | 19,2 | 18,6 | 18,0 | 6 |
| 7 | 127,4 | 126,7 | 126,0 | 105,7 | 105,0 | 104,3 | 22,4 | 21,7 | 21,0 | 7 |
| 8 | 145,6 | 144,8 | 144,0 | 120,8 | 120,0 | 119,2 | 25,6 | 24,8 | 24,0 | 8 |
| 9 | 163,8 | 162,9 | 162,0 | 135,9 | 135,0 | 134,1 | 28,8 | 27,9 | 27,0 | 9 |

| 27g | 150 | 181 | 181 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.61** | **9.65** | **0.34** | **9.95** | |
| **20 oo** | 73942 | 83022 | 16978 | 90920 | **80 oo** |
| 10 | 74091 | 83203 | 16797 | 90889 | 90 |
| 20 | 74241 | 83384 | 16616 | 90858 | 80 |
| 30 | 74391 | 83565 | 16435 | 90826 | 70 |
| 40 | 74541 | 83745 | 16255 | 90795 | 60 |
| 50 | 74691 | 83926 | 16074 | 90764 | 50 |
| 60 | 74840 | 84107 | 15893 | 90733 | 40 |
| 70 | 74990 | 84288 | 15712 | 90702 | 30 |
| 80 | 75140 | 84469 | 15531 | 90671 | 20 |
| 90 | 75290 | 84650 | 15350 | 90640 | 10 |
| **21 oo** | 75440 | 84831 | 15169 | 90609 | **79 oo** |
| 10 | 75589 | 85011 | 14989 | 90578 | 90 |
| 20 | 75739 | 85192 | 14808 | 90547 | 80 |
| 30 | 75889 | 85373 | 14627 | 90516 | 70 |
| 40 | 76039 | 85554 | 14446 | 90485 | 60 |
| 50 | 76188 | 85735 | 14265 | 90454 | 50 |
| 60 | 76338 | 85916 | 14084 | 90423 | 40 |
| 70 | 76488 | 86096 | 13904 | 90391 | 30 |
| 80 | 76637 | 86277 | 13723 | 90360 | 20 |
| 90 | 76787 | 86458 | 13542 | 90329 | 10 |
| **22 oo** | 76937 | 86639 | 13361 | 90298 | **78 oo** |
| 10 | 77087 | 86820 | 13180 | 90267 | 90 |
| 20 | 77236 | 87000 | 13000 | 90236 | 80 |
| 30 | 77386 | 87181 | 12819 | 90205 | 70 |
| 40 | 77536 | 87362 | 12638 | 90174 | 60 |
| 50 | 77685 | 87543 | 12457 | 90143 | 50 |
| 60 | 77835 | 87723 | 12277 | 90112 | 40 |
| 70 | 77985 | 87904 | 12096 | 90081 | 30 |
| 80 | 78134 | 88085 | 11915 | 90049 | 20 |
| 90 | 78284 | 88266 | 11734 | 90018 | 10 |
| **23 oo** | 78434 | 88446 | 11554 | 89987 | **77 oo** |
| 10 | 78583 | 88627 | 11373 | 89956 | 90 |
| 20 | 78733 | 88808 | 11192 | 89925 | 80 |
| 30 | 78883 | 88989 | 11011 | 89894 | 70 |
| 40 | 79032 | 89169 | 10831 | 89863 | 60 |
| 50 | 79182 | 89350 | 10650 | 89832 | 50 |
| 60 | 79331 | 89531 | 10469 | 89801 | 40 |
| 70 | 79481 | 89712 | 10288 | 89770 | 30 |
| 80 | 79631 | 89892 | 10108 | 89738 | 20 |
| 90 | 79780 | 90073 | 09927 | 89707 | 10 |
| **24 oo** | 79930 | 90254 | 09746 | 89676 | **76 oo** |
| 10 | 80079 | 90434 | 09566 | 89645 | 90 |
| 20 | 80229 | 90615 | 09385 | 89614 | 80 |
| 30 | 80379 | 90796 | 09204 | 89583 | 70 |
| 40 | 80528 | 90976 | 09024 | 89552 | 60 |
| 50 | 80678 | 91157 | 08843 | 89521 | 50 |
| 60 | 80827 | 91338 | 08662 | 89489 | 40 |
| 70 | 80977 | 91518 | 08482 | 89458 | 30 |
| 80 | 81126 | 91699 | 08301 | 89427 | 20 |
| 90 | 81276 | 91880 | 08120 | 89396 | 10 |
| **25 oo** | 81425 | 92060 | 07940 | 89365 | **75 oo** |
| | **9.61** | **9.65** | **0.34** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 149 | 180 | 180 | 32 | |

| 27g | 150 | 181 | 181 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.61** | **9.65** | **0.34** | **9.95** | |
| **25 oo** | 81425 | 92060 | 07940 | 89365 | **75 oo** |
| 10 | 81575 | 92241 | 07759 | 89334 | 90 |
| 20 | 81724 | 92422 | 07578 | 89303 | 80 |
| 30 | 81874 | 92602 | 07398 | 89272 | 70 |
| 40 | 82023 | 92783 | 07217 | 89240 | 60 |
| 50 | 82173 | 92963 | 07037 | 89209 | 50 |
| 60 | 82322 | 93144 | 06856 | 89178 | 40 |
| 70 | 82472 | 93325 | 06675 | 89147 | 30 |
| 80 | 82621 | 93505 | 06495 | 89116 | 20 |
| 90 | 82771 | 93686 | 06314 | 89085 | 10 |
| **26 oo** | 82920 | 93867 | 06133 | 89054 | **74 oo** |
| 10 | 83070 | 94047 | 05953 | 89023 | 90 |
| 20 | 83219 | 94228 | 05772 | 88991 | 80 |
| 30 | 83369 | 94408 | 05592 | 88960 | 70 |
| 40 | 83518 | 94589 | 05411 | 88929 | 60 |
| 50 | 83667 | 94769 | 05231 | 88898 | 50 |
| 60 | 83817 | 94950 | 05050 | 88867 | 40 |
| 70 | 83966 | 95131 | 04869 | 88836 | 30 |
| 80 | 84116 | 95311 | 04689 | 88805 | 20 |
| 90 | 84265 | 95492 | 04508 | 88773 | 10 |
| **27 oo** | 84414 | 95672 | 04328 | 88742 | **73 oo** |
| 10 | 84564 | 95853 | 04147 | 88711 | 90 |
| 20 | 84713 | 96033 | 03967 | 88680 | 80 |
| 30 | 84863 | 96214 | 03786 | 88649 | 70 |
| 40 | 85012 | 96394 | 03606 | 88618 | 60 |
| 50 | 85161 | 96575 | 03425 | 88586 | 50 |
| 60 | 85311 | 96755 | 03245 | 88555 | 40 |
| 70 | 85460 | 96936 | 03064 | 88524 | 30 |
| 80 | 85609 | 97116 | 02884 | 88493 | 20 |
| 90 | 85759 | 97297 | 02703 | 88462 | 10 |
| **28 oo** | 85908 | 97477 | 02523 | 88431 | **72 oo** |
| 10 | 86057 | 97658 | 02342 | 88400 | 90 |
| 20 | 86207 | 97838 | 02162 | 88368 | 80 |
| 30 | 86356 | 98019 | 01981 | 88337 | 70 |
| 40 | 86505 | 98199 | 01801 | 88306 | 60 |
| 50 | 86655 | 98380 | 01620 | 88275 | 50 |
| 60 | 86804 | 98560 | 01440 | 88244 | 40 |
| 70 | 86953 | 98741 | 01259 | 88212 | 30 |
| 80 | 87103 | 98921 | 01079 | 88181 | 20 |
| 90 | 87252 | 99102 | 00898 | 88150 | 10 |
| **29 oo** | 87401 | 99282 | 00718 | 88119 | **71 oo** |
| 10 | 87550 | 99463 | 00537 | 88088 | 90 |
| 20 | 87700 | 99643 | 00357 | 88057 | 80 |
| 30 | 87849 | 99823 | 00177 | 88025 | 70 |
| 40 | 87998 | *00004 | *99996 | 87994 | 60 |
| 50 | 88147 | *00184 | *99816 | 87963 | 50 |
| 60 | 88297 | *00365 | *99635 | 87932 | 40 |
| 70 | 88446 | *00545 | *99455 | 87901 | 30 |
| 80 | 88595 | *00726 | *99274 | 87870 | 20 |
| 90 | 88744 | *00906 | *99094 | 87838 | 10 |
| **30 oo** | 88894 | *01086 | *98914 | 87807 | **70 oo** |
| | **9.61** | ***9.66** | ***0.33** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 149 | 180 | 180 | 32 | |

| | 181 | 180 | 150 | 149 | 32 | 31 | |
|---|---|---|---|---|---|---|---|
| 1 | 18,1 | 18,0 | 15,0 | 14,9 | 3,2 | 3,1 | 1 |
| 2 | 36,2 | 36,0 | 30,0 | 29,8 | 6,4 | 6,2 | 2 |
| 3 | 54,3 | 54,0 | 45,0 | 44,7 | 9,6 | 9,3 | 3 |
| 4 | 72,4 | 72,0 | 60,0 | 59,6 | 12,8 | 12,4 | 4 |
| 5 | 90,5 | 90,0 | 75,0 | 74,5 | 16,0 | 15,5 | 5 |
| 6 | 108,6 | 108,0 | 90,0 | 89,4 | 19,2 | 18,6 | 6 |
| 7 | 126,7 | 126,0 | 105,0 | 104,3 | 22,4 | 21,7 | 7 |
| 8 | 144,8 | 144,0 | 120,0 | 119,2 | 25,6 | 24,8 | 8 |
| 9 | 162,9 | 162,0 | 135,0 | 134,1 | 28,8 | 27,9 | 9 |

| 27g | 150 | 181 | 181 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.61** | **9.66** | **0.33** | **9.95** | |
| **30 oo** | 88894 | 01086 | 98914 | 87807 | **70 oo** |
| 10 | 89043 | 01267 | 98733 | 87776 | 90 |
| 20 | 89192 | 01447 | 98553 | 87745 | 80 |
| 30 | 89341 | 01628 | 98372 | 87714 | 70 |
| 40 | 89490 | 01808 | 98192 | 87682 | 60 |
| 50 | 89639 | 01988 | 98012 | 87651 | 50 |
| 60 | 89789 | 02169 | 97831 | 87620 | 40 |
| 70 | 89938 | 02349 | 97651 | 87589 | 30 |
| 80 | 90087 | 02529 | 97471 | 87558 | 20 |
| 90 | 90236 | 02710 | 97290 | 87526 | 10 |
| **31 oo** | 90385 | 02890 | 97110 | 87495 | **69 oo** |
| 10 | 90534 | 03070 | 96930 | 87464 | 90 |
| 20 | 90684 | 03251 | 96749 | 87433 | 80 |
| 30 | 90833 | 03431 | 96569 | 87402 | 70 |
| 40 | 90982 | 03612 | 96388 | 87370 | 60 |
| 50 | 91131 | 03792 | 96208 | 87339 | 50 |
| 60 | 91280 | 03972 | 96028 | 87308 | 40 |
| 70 | 91429 | 04152 | 95848 | 87277 | 30 |
| 80 | 91578 | 04333 | 95667 | 87246 | 20 |
| 90 | 91727 | 04513 | 95487 | 87214 | 10 |
| **32 oo** | 91876 | 04693 | 95307 | 87183 | **68 oo** |
| 10 | 92026 | 04874 | 95126 | 87152 | 90 |
| 20 | 92175 | 05054 | 94946 | 87121 | 80 |
| 30 | 92324 | 05234 | 94766 | 87089 | 70 |
| 40 | 92473 | 05415 | 94585 | 87058 | 60 |
| 50 | 92622 | 05595 | 94405 | 87027 | 50 |
| 60 | 92771 | 05775 | 94225 | 86996 | 40 |
| 70 | 92920 | 05955 | 94045 | 86965 | 30 |
| 80 | 93069 | 06136 | 93864 | 86933 | 20 |
| 90 | 93218 | 06316 | 93684 | 86902 | 10 |
| **33 oo** | 93367 | 06496 | 93504 | 86871 | **67 oo** |
| 10 | 93516 | 06676 | 93324 | 86840 | 90 |
| 20 | 93665 | 06857 | 93143 | 86808 | 80 |
| 30 | 93814 | 07037 | 92963 | 86777 | 70 |
| 40 | 93963 | 07217 | 92783 | 86746 | 60 |
| 50 | 94112 | 07397 | 92603 | 86715 | 50 |
| 60 | 94261 | 07578 | 92422 | 86683 | 40 |
| 70 | 94410 | 07758 | 92242 | 86652 | 30 |
| 80 | 94559 | 07938 | 92062 | 86621 | 20 |
| 90 | 94708 | 08118 | 91882 | 86590 | 10 |
| **34 oo** | 94857 | 08298 | 91702 | 86558 | **66 oo** |
| 10 | 95006 | 08479 | 91521 | 86527 | 90 |
| 20 | 95155 | 08659 | 91341 | 86496 | 80 |
| 30 | 95304 | 08839 | 91161 | 86465 | 70 |
| 40 | 95453 | 09019 | 90981 | 86434 | 60 |
| 50 | 95602 | 09199 | 90801 | 86402 | 50 |
| 60 | 95751 | 09380 | 90620 | 86371 | 40 |
| 70 | 95900 | 09560 | 90440 | 86340 | 30 |
| 80 | 96048 | 09740 | 90260 | 86309 | 20 |
| 90 | 96197 | 09920 | 90080 | 86277 | 10 |
| **35 oo** | 96346 | 10100 | 89900 | 86246 | **65 oo** |
| | **9.61** | **9.66** | **0.33** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 148 | 180 | 180 | 32 | |

| 27g | 149 | 181 | 181 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.61** | **9.66** | **0.33** | **9.95** | |
| **35 oo** | ∗96346 | 10100 | 89900 | 86246 | **65 oo** |
| 10 | ∗96495 | 10280 | 89720 | 86215 | 90 |
| 20 | ∗96644 | 10461 | 89539 | 86184 | 80 |
| 30 | ∗96793 | 10641 | 89359 | 86152 | 70 |
| 40 | ∗96942 | 10821 | 89179 | 86121 | 60 |
| 50 | ∗97091 | 11001 | 88999 | 86090 | 50 |
| 60 | ∗97240 | 11181 | 88819 | 86058 | 40 |
| 70 | ∗97388 | 11361 | 88639 | 86027 | 30 |
| 80 | ∗97537 | 11541 | 88459 | 85996 | 20 |
| 90 | ∗97686 | 11721 | 88279 | 85965 | 10 |
| **36 oo** | ∗97835 | 11902 | 88098 | 85933 | **64 oo** |
| 10 | ∗97984 | 12082 | 87918 | 85902 | 90 |
| 20 | ∗98133 | 12262 | 87738 | 85871 | 80 |
| 30 | ∗98281 | 12442 | 87558 | 85840 | 70 |
| 40 | ∗98430 | 12622 | 87378 | 85808 | 60 |
| 50 | ∗98579 | 12802 | 87198 | 85777 | 50 |
| 60 | ∗98728 | 12982 | 87018 | 85746 | 40 |
| 70 | ∗98877 | 13162 | 86838 | 85715 | 30 |
| 80 | ∗99025 | 13342 | 86658 | 85683 | 20 |
| 90 | ∗99174 | 13522 | 86478 | 85652 | 10 |
| **37 oo** | ∗99323 | 13702 | 86298 | 85621 | **63 oo** |
| 10 | ∗99472 | 13882 | 86118 | 85589 | 90 |
| 20 | ∗99621 | 14062 | 85938 | 85558 | 80 |
| 30 | ∗99769 | 14242 | 85758 | 85527 | 70 |
| 40 | ∗99918 | 14423 | 85577 | 85496 | 60 |
| 50 | 00067 | 14603 | 85397 | 85464 | 50 |
| 60 | 00216 | 14783 | 85217 | 85433 | 40 |
| 70 | 00364 | 14963 | 85037 | 85402 | 30 |
| 80 | 00513 | 15143 | 84857 | 85370 | 20 |
| 90 | 00662 | 15323 | 84677 | 85339 | 10 |
| **38 oo** | 00810 | 15503 | 84497 | 85308 | **62 oo** |
| 10 | 00959 | 15683 | 84317 | 85277 | 90 |
| 20 | 01108 | 15863 | 84137 | 85245 | 80 |
| 30 | 01257 | 16043 | 83957 | 85214 | 70 |
| 40 | 01405 | 16223 | 83777 | 85183 | 60 |
| 50 | 01554 | 16403 | 83597 | 85151 | 50 |
| 60 | 01703 | 16583 | 83417 | 85120 | 40 |
| 70 | 01851 | 16763 | 83237 | 85089 | 30 |
| 80 | 02000 | 16943 | 83057 | 85057 | 20 |
| 90 | 02149 | 17123 | 82877 | 85026 | 10 |
| **39 oo** | 02297 | 17303 | 82697 | 84995 | **61 oo** |
| 10 | 02446 | 17482 | 82518 | 84963 | 90 |
| 20 | 02595 | 17662 | 82338 | 84932 | 80 |
| 30 | 02743 | 17842 | 82158 | 84901 | 70 |
| 40 | 02892 | 18022 | 81978 | 84870 | 60 |
| 50 | 03040 | 18202 | 81798 | 84838 | 50 |
| 60 | 03189 | 18382 | 81618 | 84807 | 40 |
| 70 | 03338 | 18562 | 81438 | 84776 | 30 |
| 80 | 03486 | 18742 | 81258 | 84744 | 20 |
| 90 | 03635 | 18922 | 81078 | 84713 | 10 |
| **40 oo** | 03784 | 19102 | 80898 | 84682 | **60 oo** |
| | **9.62** | **9.66** | **0.33** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 148 | 179 | 179 | 32 | |

| | 181 | 180 | 179 | 150 | 149 | 148 | 32 | 31 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 18,1 | 18,0 | 17,9 | 15,0 | 14,9 | 14,8 | 3,2 | 3,1 | 1 |
| 2 | 36,2 | 36,0 | 35,8 | 30,0 | 29,8 | 29,6 | 6,4 | 6,2 | 2 |
| 3 | 54,3 | 54,0 | 53,7 | 45,0 | 44,7 | 44,4 | 9,6 | 9,3 | 3 |
| 4 | 72,4 | 72,0 | 71,6 | 60,0 | 59,6 | 59,2 | 12,8 | 12,4 | 4 |
| 5 | 90,5 | 90,0 | 89,5 | 75,0 | 74,5 | 74,0 | 16,0 | 15,5 | 5 |
| 6 | 108,6 | 108,0 | 107,4 | 90,0 | 89,4 | 88,8 | 19,2 | 18,6 | 6 |
| 7 | 126,7 | 126,0 | 125,3 | 105,0 | 104,3 | 103,6 | 22,4 | 21,7 | 7 |
| 8 | 144,8 | 144,0 | 143,2 | 120,0 | 119,2 | 118,4 | 25,6 | 24,8 | 8 |
| 9 | 162,9 | 162,0 | 161,1 | 135,0 | 134,1 | 133,2 | 28,8 | 27,9 | 9 |

| 27g | 149 | 180 | 180 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | **9.66** | **0.33** | **9.95** | |
| **40 oo** | 03784 | 19102 | 80898 | 84682 | **60 oo** |
| 10 | 03932 | 19282 | 80718 | 84650 | 90 |
| 20 | 04081 | 19462 | 80538 | 84619 | 80 |
| 30 | 04229 | 19642 | 80358 | 84588 | 70 |
| 40 | 04378 | 19821 | 80179 | 84556 | 60 |
| 50 | 04526 | 20001 | 79999 | 84525 | 50 |
| 60 | 04675 | 20181 | 79819 | 84494 | 40 |
| 70 | 04824 | 20361 | 79639 | 84462 | 30 |
| 80 | 04972 | 20541 | 79459 | 84431 | 20 |
| 90 | 05121 | 20721 | 79279 | 84400 | 10 |
| **41 oo** | 05269 | 20901 | 79099 | 84368 | **59 oo** |
| 10 | 05418 | 21081 | 78919 | 84337 | 90 |
| 20 | 05566 | 21260 | 78740 | 84306 | 80 |
| 30 | 05715 | 21440 | 78560 | 84274 | 70 |
| 40 | 05863 | 21620 | 78380 | 84243 | 60 |
| 50 | 06012 | 21800 | 78200 | 84212 | 50 |
| 60 | 06160 | 21980 | 78020 | 84180 | 40 |
| 70 | 06309 | 22160 | 77840 | 84149 | 30 |
| 80 | 06457 | 22339 | 77661 | 84118 | 20 |
| 90 | 06606 | 22519 | 77481 | 84086 | 10 |
| **42 oo** | 06754 | 22699 | 77301 | 84055 | **58 oo** |
| 10 | 06903 | 22879 | 77121 | 84024 | 90 |
| 20 | 07051 | 23059 | 76941 | 83992 | 80 |
| 30 | 07200 | 23239 | 76761 | 83961 | 70 |
| 40 | 07348 | 23418 | 76582 | 83930 | 60 |
| 50 | 07496 | 23598 | 76402 | 83898 | 50 |
| 60 | 07645 | 23778 | 76222 | 83867 | 40 |
| 70 | 07793 | 23958 | 76042 | 83836 | 30 |
| 80 | 07942 | 24137 | 75863 | 83804 | 20 |
| 90 | 08090 | 24317 | 75683 | 83773 | 10 |
| **43 oo** | 08239 | 24497 | 75503 | 83741 | **57 oo** |
| 10 | 08387 | 24677 | 75323 | 83710 | 90 |
| 20 | 08535 | 24857 | 75143 | 83679 | 80 |
| 30 | 08684 | 25036 | 74964 | 83647 | 70 |
| 40 | 08832 | 25216 | 74784 | 83616 | 60 |
| 50 | 08980 | 25396 | 74604 | 83585 | 50 |
| 60 | 09129 | 25576 | 74424 | 83553 | 40 |
| 70 | 09277 | 25755 | 74245 | 83522 | 30 |
| 80 | 09426 | 25935 | 74065 | 83491 | 20 |
| 90 | 09574 | 26115 | 73885 | 83459 | 10 |
| **44 oo** | 09722 | 26294 | 73706 | 83428 | **56 oo** |
| 10 | 09871 | 26474 | 73526 | 83396 | 90 |
| 20 | 10019 | 26654 | 73346 | 83365 | 80 |
| 30 | 10167 | 26834 | 73166 | 83334 | 70 |
| 40 | 10316 | 27013 | 72987 | 83302 | 60 |
| 50 | 10464 | 27193 | 72807 | 83271 | 50 |
| 60 | 10612 | 27373 | 72627 | 83240 | 40 |
| 70 | 10761 | 27552 | 72448 | 83208 | 30 |
| 80 | 10909 | 27732 | 72268 | 83177 | 20 |
| 90 | 11057 | 27912 | 72088 | 83145 | 10 |
| **45 oo** | 11205 | 28091 | 71909 | 83114 | **55 oo** |
| | **9.62** | **9.66** | **0.33** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 148 | 179 | 179 | 32 | |

| 27g | 149 | 180 | 180 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | **9.66** | **0.33** | **9.95** | |
| **45 oo** | 11205 | 28091 | 71909 | 83114 | **55 oo** |
| 10 | 11354 | 28271 | 71729 | 83083 | 90 |
| 20 | 11502 | 28451 | 71549 | 83051 | 80 |
| 30 | 11650 | 28630 | 71370 | 83020 | 70 |
| 40 | 11799 | 28810 | 71190 | 82989 | 60 |
| 50 | 11947 | 28990 | 71010 | 82957 | 50 |
| 60 | 12095 | 29169 | 70831 | 82926 | 40 |
| 70 | 12243 | 29349 | 70651 | 82894 | 30 |
| 80 | 12391 | 29529 | 70471 | 82863 | 20 |
| 90 | 12540 | 29708 | 70292 | 82832 | 10 |
| **46 oo** | 12688 | 29888 | 70112 | 82800 | **54 oo** |
| 10 | 12836 | 30067 | 69933 | 82769 | 90 |
| 20 | 12984 | 30247 | 69753 | 82737 | 80 |
| 30 | 13133 | 30427 | 69573 | 82706 | 70 |
| 40 | 13281 | 30606 | 69394 | 82675 | 60 |
| 50 | 13429 | 30786 | 69214 | 82643 | 50 |
| 60 | 13577 | 30965 | 69035 | 82612 | 40 |
| 70 | 13725 | 31145 | 68855 | 82580 | 30 |
| 80 | 13874 | 31325 | 68675 | 82549 | 20 |
| 90 | 14022 | 31504 | 68496 | 82518 | 10 |
| **47 oo** | 14170 | 31684 | 68316 | 82486 | **53 oo** |
| 10 | 14318 | 31863 | 68137 | 82455 | 90 |
| 20 | 14466 | 32043 | 67957 | 82423 | 80 |
| 30 | 14614 | 32222 | 67778 | 82392 | 70 |
| 40 | 14762 | 32402 | 67598 | 82360 | 60 |
| 50 | 14911 | 32582 | 67418 | 82329 | 50 |
| 60 | 15059 | 32761 | 67239 | 82298 | 40 |
| 70 | 15207 | 32941 | 67059 | 82266 | 30 |
| 80 | 15355 | 33120 | 66880 | 82235 | 20 |
| 90 | 15503 | 33300 | 66700 | 82203 | 10 |
| **48 oo** | 15651 | 33479 | 66521 | 82172 | **52 oo** |
| 10 | 15799 | 33659 | 66341 | 82141 | 90 |
| 20 | 15947 | 33838 | 66162 | 82109 | 80 |
| 30 | 16095 | 34018 | 65982 | 82078 | 70 |
| 40 | 16244 | 34197 | 65803 | 82046 | 60 |
| 50 | 16392 | 34377 | 65623 | 82015 | 50 |
| 60 | 16540 | 34556 | 65444 | 81983 | 40 |
| 70 | 16688 | 34736 | 65264 | 81952 | 30 |
| 80 | 16836 | 34915 | 65085 | 81921 | 20 |
| 90 | 16984 | 35095 | 64905 | 81889 | 10 |
| **49 oo** | 17132 | 35274 | 64726 | 81858 | **51 oo** |
| 10 | 17280 | 35454 | 64546 | 81826 | 90 |
| 20 | 17428 | 35633 | 64367 | 81795 | 80 |
| 30 | 17576 | 35813 | 64187 | 81763 | 70 |
| 40 | 17724 | 35992 | 64008 | 81732 | 60 |
| 50 | 17872 | 36172 | 63828 | 81700 | 50 |
| 60 | 18020 | 36351 | 63649 | 81669 | 40 |
| 70 | 18168 | 36530 | 63470 | 81638 | 30 |
| 80 | 18316 | 36710 | 63290 | 81606 | 20 |
| 90 | 18464 | 36889 | 63111 | 81575 | 10 |
| **50 oo** | 18612 | 37069 | 62931 | 81543 | **50 oo** |
| | **9.62** | **9.66** | **0.33** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 148 | 179 | 179 | 32 | |

| | 180 | 179 | 149 | 148 | 32 | 31 | |
|---|---|---|---|---|---|---|---|
| 1 | 18,0 | 17,9 | 14,9 | 14,8 | 3,2 | 3,1 | 1 |
| 2 | 36,0 | 35,8 | 29,8 | 29,6 | 6,4 | 6,2 | 2 |
| 3 | 54,0 | 53,7 | 44,7 | 44,4 | 9,6 | 9,3 | 3 |
| 4 | 72,0 | 71,6 | 59,6 | 59,2 | 12,8 | 12,4 | 4 |
| 5 | 90,0 | 89,5 | 74,5 | 74,0 | 16,0 | 15,5 | 5 |
| 6 | 108,0 | 107,4 | 89,4 | 88,8 | 19,2 | 18,6 | 6 |
| 7 | 126,0 | 125,3 | 104,3 | 103,6 | 22,4 | 21,7 | 7 |
| 8 | 144,0 | 143,2 | 119,2 | 118,4 | 25,6 | 24,8 | 8 |
| 9 | 162,0 | 161,1 | 134,1 | 133,2 | 28,8 | 27,9 | 9 |

| 27g | 148 | 180 | 180 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | **9.66** | **0.33** | **9.95** | |
| **50 oo** | 18612 | 37069 | 62931 | 81543 | **50 oo** |
| 10 | 18760 | 37248 | 62752 | 81512 | 90 |
| 20 | 18908 | 37428 | 62572 | 81480 | 80 |
| 30 | 19056 | 37607 | 62393 | 81449 | 70 |
| 40 | 19204 | 37786 | 62214 | 81417 | 60 |
| 50 | 19352 | 37966 | 62034 | 81386 | 50 |
| 60 | 19500 | 38145 | 61855 | 81355 | 40 |
| 70 | 19648 | 38325 | 61675 | 81323 | 30 |
| 80 | 19796 | 38504 | 61496 | 81292 | 20 |
| 90 | 19944 | 38683 | 61317 | 81260 | 10 |
| **51 oo** | 20091 | 38863 | 61137 | 81229 | **49 oo** |
| 10 | 20239 | 39042 | 60958 | 81197 | 90 |
| 20 | 20387 | 39222 | 60778 | 81166 | 80 |
| 30 | 20535 | 39401 | 60599 | 81134 | 70 |
| 40 | 20683 | 39580 | 60420 | 81103 | 60 |
| 50 | 20831 | 39760 | 60240 | 81071 | 50 |
| 60 | 20979 | 39939 | 60061 | 81040 | 40 |
| 70 | 21127 | 40118 | 59882 | 81008 | 30 |
| 80 | 21275 | 40298 | 59702 | 80977 | 20 |
| 90 | 21422 | 40477 | 59523 | 80945 | 10 |
| **52 oo** | 21570 | 40656 | 59344 | 80914 | **48 oo** |
| 10 | 21718 | 40836 | 59164 | 80883 | 90 |
| 20 | 21866 | 41015 | 58985 | 80851 | 80 |
| 30 | 22014 | 41194 | 58806 | 80820 | 70 |
| 40 | 22162 | 41374 | 58626 | 80788 | 60 |
| 50 | 22310 | 41553 | 58447 | 80757 | 50 |
| 60 | 22457 | 41732 | 58268 | 80725 | 40 |
| 70 | 22605 | 41912 | 58088 | 80694 | 30 |
| 80 | 22753 | 42091 | 57909 | 80662 | 20 |
| 90 | 22901 | 42270 | 57730 | 80631 | 10 |
| **53 oo** | 23049 | 42449 | 57551 | 80599 | **47 oo** |
| 10 | 23196 | 42629 | 57371 | 80568 | 90 |
| 20 | 23344 | 42808 | 57192 | 80536 | 80 |
| 30 | 23492 | 42987 | 57013 | 80505 | 70 |
| 40 | 23640 | 43166 | 56834 | 80473 | 60 |
| 50 | 23787 | 43346 | 56654 | 80442 | 50 |
| 60 | 23935 | 43525 | 56475 | 80410 | 40 |
| 70 | 24083 | 43704 | 56296 | 80379 | 30 |
| 80 | 24231 | 43884 | 56116 | 80347 | 20 |
| 90 | 24378 | 44063 | 55937 | 80316 | 10 |
| **54 oo** | 24526 | 44242 | 55758 | 80284 | **46 oo** |
| 10 | 24674 | 44421 | 55579 | 80253 | 90 |
| 20 | 24822 | 44600 | 55400 | 80221 | 80 |
| 30 | 24969 | 44780 | 55220 | 80190 | 70 |
| 40 | 25117 | 44959 | 55041 | 80158 | 60 |
| 50 | 25265 | 45138 | 54862 | 80127 | 50 |
| 60 | 25412 | 45317 | 54683 | 80095 | 40 |
| 70 | 25560 | 45497 | 54503 | 80064 | 30 |
| 80 | 25708 | 45676 | 54324 | 80032 | 20 |
| 90 | 25856 | 45855 | 54145 | 80001 | 10 |
| **55 oo** | 26003 | 46034 | 53966 | 79969 | **45 oo** |
| | **9.62** | **9.66** | **0.33** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 147 | 179 | 179 | 32 | |

| 27g | 148 | 180 | 180 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | **9.66** | **0.33** | **9.95** | |
| **55 oo** | 26003 | 46034 | 53966 | 79969 | **45 oo** |
| 10 | 26151 | 46213 | 53787 | 79938 | 90 |
| 20 | 26299 | 46392 | 53608 | 79906 | 80 |
| 30 | 26446 | 46572 | 53428 | 79875 | 70 |
| 40 | 26594 | 46751 | 53249 | 79843 | 60 |
| 50 | 26742 | 46930 | 53070 | 79812 | 50 |
| 60 | 26889 | 47109 | 52891 | 79780 | 40 |
| 70 | 27037 | 47288 | 52712 | 79749 | 30 |
| 80 | 27184 | 47467 | 52533 | 79717 | 20 |
| 90 | 27332 | 47647 | 52353 | 79685 | 10 |
| **56 oo** | 27480 | 47826 | 52174 | 79654 | **44 oo** |
| 10 | 27627 | 48005 | 51995 | 79622 | 90 |
| 20 | 27775 | 48184 | 51816 | 79591 | 80 |
| 30 | 27922 | 48363 | 51637 | 79559 | 70 |
| 40 | 28070 | 48542 | 51458 | 79528 | 60 |
| 50 | 28218 | 48721 | 51279 | 79496 | 50 |
| 60 | 28365 | 48900 | 51100 | 79465 | 40 |
| 70 | 28513 | 49080 | 50920 | 79433 | 30 |
| 80 | 28660 | 49259 | 50741 | 79402 | 20 |
| 90 | 28808 | 49438 | 50562 | 79370 | 10 |
| **57 oo** | 28955 | 49617 | 50383 | 79339 | **43 oo** |
| 10 | 29103 | 49796 | 50204 | 79307 | 90 |
| 20 | 29251 | 49975 | 50025 | 79276 | 80 |
| 30 | 29398 | 50154 | 49846 | 79244 | 70 |
| 40 | 29546 | 50333 | 49667 | 79212 | 60 |
| 50 | 29693 | 50512 | 49488 | 79181 | 50 |
| 60 | 29841 | 50691 | 49309 | 79149 | 40 |
| 70 | 29988 | 50870 | 49130 | 79118 | 30 |
| 80 | 30136 | 51049 | 48951 | 79086 | 20 |
| 90 | 30283 | 51229 | 48771 | 79055 | 10 |
| **58 oo** | 30431 | 51408 | 48592 | 79023 | **42 oo** |
| 10 | 30578 | 51587 | 48413 | 78992 | 90 |
| 20 | 30726 | 51766 | 48234 | 78960 | 80 |
| 30 | 30873 | 51945 | 48055 | 78928 | 70 |
| 40 | 31021 | 52124 | 47876 | 78897 | 60 |
| 50 | 31168 | 52303 | 47697 | 78865 | 50 |
| 60 | 31316 | 52482 | 47518 | 78834 | 40 |
| 70 | 31463 | 52661 | 47339 | 78802 | 30 |
| 80 | 31610 | 52840 | 47160 | 78771 | 20 |
| 90 | 31758 | 53019 | 46981 | 78739 | 10 |
| **59 oo** | 31905 | 53198 | 46802 | 78708 | **41 oo** |
| 10 | 32053 | 53377 | 46623 | 78676 | 90 |
| 20 | 32200 | 53556 | 46444 | 78644 | 80 |
| 30 | 32348 | 53735 | 46265 | 78613 | 70 |
| 40 | 32495 | 53914 | 46086 | 78581 | 60 |
| 50 | 32642 | 54093 | 45907 | 78550 | 50 |
| 60 | 32790 | 54272 | 45728 | 78518 | 40 |
| 70 | 32937 | 54451 | 45549 | 78487 | 30 |
| 80 | 33085 | 54630 | 45370 | 78455 | 20 |
| 90 | 33232 | 54809 | 45191 | 78423 | 10 |
| **60 oo** | 33379 | 54987 | 45013 | 78392 | **40 oo** |
| | **9.62** | **9.66** | **0.33** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 147 | 178 | 178 | 32 | |

| | 180 | 179 | 178 | 148 | 147 | 32 | 31 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 18,0 | 17,9 | 17,8 | 14,8 | 14,7 | 3,2 | 3,1 | 1 |
| 2 | 36,0 | 35,8 | 35,6 | 29,6 | 29,4 | 6,4 | 6,2 | 2 |
| 3 | 54,0 | 53,7 | 53,4 | 44,4 | 44,1 | 9,6 | 9,3 | 3 |
| 4 | 72,0 | 71,6 | 71,2 | 59,2 | 58,8 | 12,8 | 12,4 | 4 |
| 5 | 90,0 | 89,5 | 89,0 | 74,0 | 73,5 | 16,0 | 15,5 | 5 |
| 6 | 108,0 | 107,4 | 106,8 | 88,8 | 88,2 | 19,2 | 18,6 | 6 |
| 7 | 126,0 | 125,3 | 124,6 | 103,6 | 102,9 | 22,4 | 21,7 | 7 |
| 8 | 144,0 | 143,2 | 142,4 | 118,4 | 117,6 | 25,6 | 24,8 | 8 |
| 9 | 162,0 | 161,1 | 160,2 | 133,2 | 132,3 | 28,8 | 27,9 | 9 |

| **27g** | 148 | 179 | 179 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | **9.66** | **0.33** | **9.95** | |
| **60 oo** | 33379 | 54987 | 45013 | 78392 | **40 oo** |
| 10 | 33527 | 55166 | 44834 | 78360 | 90 |
| 20 | 33674 | 55345 | 44655 | 78329 | 80 |
| 30 | 33821 | 55524 | 44476 | 78297 | 70 |
| 40 | 33969 | 55703 | 44297 | 78265 | 60 |
| 50 | 34116 | 55882 | 44118 | 78234 | 50 |
| 60 | 34263 | 56061 | 43939 | 78202 | 40 |
| 70 | 34411 | 56240 | 43760 | 78171 | 30 |
| 80 | 34558 | 56419 | 43581 | 78139 | 20 |
| 90 | 34705 | 56598 | 43402 | 78108 | 10 |
| **61 oo** | 34853 | 56777 | 43223 | 78076 | **39 oo** |
| 10 | 35000 | 56956 | 43044 | 78044 | 90 |
| 20 | 35147 | 57135 | 42865 | 78013 | 80 |
| 30 | 35295 | 57313 | 42687 | 77981 | 70 |
| 40 | 35442 | 57492 | 42508 | 77950 | 60 |
| 50 | 35589 | 57671 | 42329 | 77918 | 50 |
| 60 | 35736 | 57850 | 42150 | 77886 | 40 |
| 70 | 35884 | 58029 | 41971 | 77855 | 30 |
| 80 | 36031 | 58208 | 41792 | 77823 | 20 |
| 90 | 36178 | 58387 | 41613 | 77792 | 10 |
| **62 oo** | 36325 | 58565 | 41435 | 77760 | **38 oo** |
| 10 | 36473 | 58744 | 41256 | 77728 | 90 |
| 20 | 36620 | 58923 | 41077 | 77697 | 80 |
| 30 | 36767 | 59102 | 40898 | 77665 | 70 |
| 40 | 36914 | 59281 | 40719 | 77634 | 60 |
| 50 | 37062 | 59460 | 40540 | 77602 | 50 |
| 60 | 37209 | 59639 | 40361 | 77570 | 40 |
| 70 | 37356 | 59817 | 40183 | 77539 | 30 |
| 80 | 37503 | 59996 | 40004 | 77507 | 20 |
| 90 | 37650 | 60175 | 39825 | 77475 | 10 |
| **63 oo** | 37798 | 60354 | 39646 | 77444 | **37 oo** |
| 10 | 37945 | 60533 | 39467 | 77412 | 90 |
| 20 | 38092 | 60711 | 39289 | 77381 | 80 |
| 30 | 38239 | 60890 | 39110 | 77349 | 70 |
| 40 | 38386 | 61069 | 38931 | 77317 | 60 |
| 50 | 38533 | 61248 | 38752 | 77286 | 50 |
| 60 | 38681 | 61427 | 38573 | 77254 | 40 |
| 70 | 38828 | 61605 | 38395 | 77222 | 30 |
| 80 | 38975 | 61784 | 38216 | 77191 | 20 |
| 90 | 39122 | 61963 | 38037 | 77159 | 10 |
| **64 oo** | 39269 | 62142 | 37858 | 77128 | **36 oo** |
| 10 | 39416 | 62320 | 37680 | 77096 | 90 |
| 20 | 39563 | 62499 | 37501 | 77064 | 80 |
| 30 | 39711 | 62678 | 37322 | 77033 | 70 |
| 40 | 39858 | 62857 | 37143 | 77001 | 60 |
| 50 | 40005 | 63035 | 36965 | 76969 | 50 |
| 60 | 40152 | 63214 | 36786 | 76938 | 40 |
| 70 | 40299 | 63393 | 36607 | 76906 | 30 |
| 80 | 40446 | 63571 | 36429 | 76874 | 20 |
| 90 | 40593 | 63750 | 36250 | 76843 | 10 |
| **65 oo** | 40740 | 63929 | 36071 | 76811 | **35 oo** |
| | **9.62** | **9.66** | **0.33** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 147 | 178 | 178 | 32 | |

| **27g** | 147 | 179 | 179 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | **9.66** | **0.33** | **9.95** | |
| **65 oo** | 40740 | 63929 | 36071 | 76811 | **35 oo** |
| 10 | 40887 | 64108 | 35892 | 76780 | 90 |
| 20 | 41034 | 64286 | 35714 | 76748 | 80 |
| 30 | 41181 | 64465 | 35535 | 76716 | 70 |
| 40 | 41328 | 64644 | 35356 | 76685 | 60 |
| 50 | 41475 | 64822 | 35178 | 76653 | 50 |
| 60 | 41622 | 65001 | 34999 | 76621 | 40 |
| 70 | 41769 | 65180 | 34820 | 76590 | 30 |
| 80 | 41916 | 65358 | 34642 | 76558 | 20 |
| 90 | 42063 | 65537 | 34463 | 76526 | 10 |
| **66 oo** | 42210 | 65716 | 34284 | 76495 | **34 oo** |
| 10 | 42357 | 65894 | 34106 | 76463 | 90 |
| 20 | 42504 | 66073 | 33927 | 76431 | 80 |
| 30 | 42651 | 66252 | 33748 | 76400 | 70 |
| 40 | 42798 | 66430 | 33570 | 76368 | 60 |
| 50 | 42945 | 66609 | 33391 | 76336 | 50 |
| 60 | 43092 | 66788 | 33212 | 76305 | 40 |
| 70 | 43239 | 66966 | 33034 | 76273 | 30 |
| 80 | 43386 | 67145 | 32855 | 76241 | 20 |
| 90 | 43533 | 67324 | 32676 | 76210 | 10 |
| **67 oo** | 43680 | 67502 | 32498 | 76178 | **33 oo** |
| 10 | 43827 | 67681 | 32319 | 76146 | 90 |
| 20 | 43974 | 67859 | 32141 | 76115 | 80 |
| 30 | 44121 | 68038 | 31962 | 76083 | 70 |
| 40 | 44268 | 68217 | 31783 | 76051 | 60 |
| 50 | 44415 | 68395 | 31605 | 76020 | 50 |
| 60 | 44562 | 68574 | 31426 | 75988 | 40 |
| 70 | 44709 | 68752 | 31248 | 75956 | 30 |
| 80 | 44856 | 68931 | 31069 | 75925 | 20 |
| 90 | 45002 | 69110 | 30890 | 75893 | 10 |
| **68 oo** | 45149 | 69288 | 30712 | 75861 | **32 oo** |
| 10 | 45296 | 69467 | 30533 | 75830 | 90 |
| 20 | 45443 | 69645 | 30355 | 75798 | 80 |
| 30 | 45590 | 69824 | 30176 | 75766 | 70 |
| 40 | 45737 | 70002 | 29998 | 75735 | 60 |
| 50 | 45884 | 70181 | 29819 | 75703 | 50 |
| 60 | 46031 | 70359 | 29641 | 75671 | 40 |
| 70 | 46177 | 70538 | 29462 | 75639 | 30 |
| 80 | 46324 | 70716 | 29284 | 75608 | 20 |
| 90 | 46471 | 70895 | 29105 | 75576 | 10 |
| **69 oo** | 46618 | 71074 | 28926 | 75544 | **31 oo** |
| 10 | 46765 | 71252 | 28748 | 75513 | 90 |
| 20 | 46912 | 71431 | 28569 | 75481 | 80 |
| 30 | 47058 | 71609 | 28391 | 75449 | 70 |
| 40 | 47205 | 71788 | 28212 | 75418 | 60 |
| 50 | 47352 | 71966 | 28034 | 75386 | 50 |
| 60 | 47499 | 72145 | 27855 | 75354 | 40 |
| 70 | 47646 | 72323 | 27677 | 75322 | 30 |
| 80 | 47792 | 72502 | 27498 | 75291 | 20 |
| 90 | 47939 | 72680 | 27320 | 75259 | 10 |
| **70 oo** | 48086 | 72859 | 27141 | 75227 | **30 oo** |
| | **9.62** | **9.66** | **0.33** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 146 | 178 | 178 | 32 | |

| | 179 | 178 | 148 | 147 | 146 | 32 | 31 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,9 | 17,8 | 14,8 | 14,7 | 14,6 | 3,2 | 3,1 | 1 |
| 2 | 35,8 | 35,6 | 29,6 | 29,4 | 29,2 | 6,4 | 6,2 | 2 |
| 3 | 53,7 | 53,4 | 44,4 | 44,1 | 43,8 | 9,6 | 9,3 | 3 |
| 4 | 71,6 | 71,2 | 59,2 | 58,8 | 58,4 | 12,8 | 12,4 | 4 |
| 5 | 89,5 | 89,0 | 74,0 | 73,5 | 73,0 | 16,0 | 15,5 | 5 |
| 6 | 107,4 | 106,8 | 88,8 | 88,2 | 87,6 | 19,2 | 18,6 | 6 |
| 7 | 125,3 | 124,6 | 103,6 | 102,9 | 102,2 | 22,4 | 21,7 | 7 |
| 8 | 143,2 | 142,4 | 118,4 | 117,6 | 116,8 | 25,6 | 24,8 | 8 |
| 9 | 161,1 | 160,2 | 133,2 | 132,3 | 131,4 | 28,8 | 27,9 | 9 |

| 27g | 147 | 179 | 179 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | **9.66** | **0.33** | **9.95** | |
| **70 oo** | 48086 | 72859 | 27141 | 75227 | **30 oo** |
| 10 | 48233 | 73037 | 26963 | 75196 | 90 |
| 20 | 48379 | 73215 | 26785 | 75164 | 80 |
| 30 | 48526 | 73394 | 26606 | 75132 | 70 |
| 40 | 48673 | 73572 | 26428 | 75101 | 60 |
| 50 | 48820 | 73751 | 26249 | 75069 | 50 |
| 60 | 48966 | 73929 | 26071 | 75037 | 40 |
| 70 | 49113 | 74108 | 25892 | 75005 | 30 |
| 80 | 49260 | 74286 | 25714 | 74974 | 20 |
| 90 | 49406 | 74465 | 25535 | 74942 | 10 |
| **71 oo** | 49553 | 74643 | 25357 | 74910 | **29 oo** |
| 10 | 49700 | 74821 | 25179 | 74878 | 90 |
| 20 | 49847 | 75000 | 25000 | 74847 | 80 |
| 30 | 49993 | 75178 | 24822 | 74815 | 70 |
| 40 | 50140 | 75357 | 24643 | 74783 | 60 |
| 50 | 50287 | 75535 | 24465 | 74752 | 50 |
| 60 | 50433 | 75713 | 24287 | 74720 | 40 |
| 70 | 50580 | 75892 | 24108 | 74688 | 30 |
| 80 | 50727 | 76070 | 23930 | 74656 | 20 |
| 90 | 50873 | 76249 | 23751 | 74625 | 10 |
| **72 oo** | 51020 | 76427 | 23573 | 74593 | **28 oo** |
| 10 | 51167 | 76605 | 23395 | 74561 | 90 |
| 20 | 51313 | 76784 | 23216 | 74529 | 80 |
| 30 | 51460 | 76962 | 23038 | 74498 | 70 |
| 40 | 51606 | 77140 | 22860 | 74466 | 60 |
| 50 | 51753 | 77319 | 22681 | 74434 | 50 |
| 60 | 51900 | 77497 | 22503 | 74402 | 40 |
| 70 | 52046 | 77676 | 22324 | 74371 | 30 |
| 80 | 52193 | 77854 | 22146 | 74339 | 20 |
| 90 | 52339 | 78032 | 21968 | 74307 | 10 |
| **73 oo** | 52486 | 78211 | 21789 | 74275 | **27 oo** |
| 10 | 52633 | 78389 | 21611 | 74244 | 90 |
| 20 | 52779 | 78567 | 21433 | 74212 | 80 |
| 30 | 52926 | 78746 | 21254 | 74180 | 70 |
| 40 | 53072 | 78924 | 21076 | 74148 | 60 |
| 50 | 53219 | 79102 | 20898 | 74117 | 50 |
| 60 | 53365 | 79280 | 20720 | 74085 | 40 |
| 70 | 53512 | 79459 | 20541 | 74053 | 30 |
| 80 | 53659 | 79637 | 20363 | 74021 | 20 |
| 90 | 53805 | 79815 | 20185 | 73990 | 10 |
| **74 oo** | 53952 | 79994 | 20006 | 73958 | **26 oo** |
| 10 | 54098 | 80172 | 19828 | 73926 | 90 |
| 20 | 54245 | 80350 | 19650 | 73894 | 80 |
| 30 | 54391 | 80528 | 19472 | 73863 | 70 |
| 40 | 54538 | 80707 | 19293 | 73831 | 60 |
| 50 | 54684 | 80885 | 19115 | 73799 | 50 |
| 60 | 54831 | 81063 | 18937 | 73767 | 40 |
| 70 | 54977 | 81242 | 18758 | 73736 | 30 |
| 80 | 55124 | 81420 | 18580 | 73704 | 20 |
| 90 | 55270 | 81598 | 18402 | 73672 | 10 |
| **75 oo** | 55417 | 81776 | 18224 | 73640 | **25 oo** |
| | **9.62** | **9.66** | **0.33** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 146 | 178 | 178 | 32 | |

| 27g | 147 | 179 | 179 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | **9.66** | **0.33** | **9.95** | |
| **75 oo** | 55417 | 81776 | 18224 | 73640 | **25 oo** |
| 10 | 55563 | 81954 | 18046 | 73608 | 90 |
| 20 | 55709 | 82133 | 17867 | 73577 | 80 |
| 30 | 55856 | 82311 | 17689 | 73545 | 70 |
| 40 | 56002 | 82489 | 17511 | 73513 | 60 |
| 50 | 56149 | 82667 | 17333 | 73481 | 50 |
| 60 | 56295 | 82846 | 17154 | 73450 | 40 |
| 70 | 56442 | 83024 | 16976 | 73418 | 30 |
| 80 | 56588 | 83202 | 16798 | 73386 | 20 |
| 90 | 56734 | 83380 | 16620 | 73354 | 10 |
| **76 oo** | 56881 | 83558 | 16442 | 73322 | **24 oo** |
| 10 | 57027 | 83737 | 16263 | 73291 | 90 |
| 20 | 57174 | 83915 | 16085 | 73259 | 80 |
| 30 | 57320 | 84093 | 15907 | 73227 | 70 |
| 40 | 57466 | 84271 | 15729 | 73195 | 60 |
| 50 | 57613 | 84449 | 15551 | 73163 | 50 |
| 60 | 57759 | 84627 | 15373 | 73132 | 40 |
| 70 | 57906 | 84806 | 15194 | 73100 | 30 |
| 80 | 58052 | 84984 | 15016 | 73068 | 20 |
| 90 | 58198 | 85162 | 14838 | 73036 | 10 |
| **77 oo** | 58345 | 85340 | 14660 | 73004 | **23 oo** |
| 10 | 58491 | 85518 | 14482 | 72973 | 90 |
| 20 | 58637 | 85696 | 14304 | 72941 | 80 |
| 30 | 58784 | 85874 | 14126 | 72909 | 70 |
| 40 | 58930 | 86053 | 13947 | 72877 | 60 |
| 50 | 59076 | 86231 | 13769 | 72845 | 50 |
| 60 | 59223 | 86409 | 13591 | 72814 | 40 |
| 70 | 59369 | 86587 | 13413 | 72782 | 30 |
| 80 | 59515 | 86765 | 13235 | 72750 | 20 |
| 90 | 59661 | 86943 | 13057 | 72718 | 10 |
| **78 oo** | 59808 | 87121 | 12879 | 72686 | **22 oo** |
| 10 | 59954 | 87299 | 12701 | 72655 | 90 |
| 20 | 60100 | 87477 | 12523 | 72623 | 80 |
| 30 | 60247 | 87656 | 12344 | 72591 | 70 |
| 40 | 60393 | 87834 | 12166 | 72559 | 60 |
| 50 | 60539 | 88012 | 11988 | 72527 | 50 |
| 60 | 60685 | 88190 | 11810 | 72496 | 40 |
| 70 | 60832 | 88368 | 11632 | 72464 | 30 |
| 80 | 60978 | 88546 | 11454 | 72432 | 20 |
| 90 | 61124 | 88724 | 11276 | 72400 | 10 |
| **79 oo** | 61270 | 88902 | 11098 | 72368 | **21 oo** |
| 10 | 61416 | 89080 | 10920 | 72336 | 90 |
| 20 | 61563 | 89258 | 10742 | 72305 | 80 |
| 30 | 61709 | 89436 | 10564 | 72273 | 70 |
| 40 | 61855 | 89614 | 10386 | 72241 | 60 |
| 50 | 62001 | 89792 | 10208 | 72209 | 50 |
| 60 | 62147 | 89970 | 10030 | 72177 | 40 |
| 70 | 62294 | 90148 | 09852 | 72145 | 30 |
| 80 | 62440 | 90326 | 09674 | 72114 | 20 |
| 90 | 62586 | 90504 | 09496 | 72082 | 10 |
| **80 oo** | 62732 | 90682 | 09318 | 72050 | **20 oo** |
| | **9.62** | **9.66** | **0.33** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 146 | 178 | 178 | 32 | |

| | 179 | 178 | 147 | 146 | 32 | 31 | |
|---|---|---|---|---|---|---|---|
| 1 | 17,9 | 17,8 | 14,7 | 14,6 | 3,2 | 3,1 | 1 |
| 2 | 35,8 | 35,6 | 29,4 | 29,2 | 6,4 | 6,2 | 2 |
| 3 | 53,7 | 53,4 | 44,1 | 43,8 | 9,6 | 9,3 | 3 |
| 4 | 71,6 | 71,2 | 58,8 | 58,4 | 12,8 | 12,4 | 4 |
| 5 | 89,5 | 89,0 | 73,5 | 73,0 | 16,0 | 15,5 | 5 |
| 6 | 107,4 | 106,8 | 88,2 | 87,6 | 19,2 | 18,6 | 6 |
| 7 | 125,3 | 124,6 | 102,9 | 102,2 | 22,4 | 21,7 | 7 |
| 8 | 143,2 | 142,4 | 117,6 | 116,8 | 25,6 | 24,8 | 8 |
| 9 | 161,1 | 160,2 | 132,3 | 131,4 | 28,8 | 27,9 | 9 |

| **27g** | 147 | 178 | 178 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | **9.66** | **0.33** | **9.95** | |
| **80 oo** | 62732 | 90682 | 09318 | 72050 | **20 oo** |
| 10 | 62878 | 90860 | 09140 | 72018 | 90 |
| 20 | 63024 | 91038 | 08962 | 71986 | 80 |
| 30 | 63171 | 91216 | 08784 | 71954 | 70 |
| 40 | 63317 | 91394 | 08606 | 71923 | 60 |
| 50 | 63463 | 91572 | 08428 | 71891 | 50 |
| 60 | 63609 | 91750 | 08250 | 71859 | 40 |
| 70 | 63755 | 91928 | 08072 | 71827 | 30 |
| 80 | 63901 | 92106 | 07894 | 71795 | 20 |
| 90 | 64047 | 92284 | 07716 | 71763 | 10 |
| **81 oo** | 64193 | 92462 | 07538 | 71731 | **19 oo** |
| 10 | 64340 | 92640 | 07360 | 71700 | 90 |
| 20 | 64486 | 92818 | 07182 | 71668 | 80 |
| 30 | 64632 | 92996 | 07004 | 71636 | 70 |
| 40 | 64778 | 93174 | 06826 | 71604 | 60 |
| 50 | 64924 | 93352 | 06648 | 71572 | 50 |
| 60 | 65070 | 93530 | 06470 | 71540 | 40 |
| 70 | 65216 | 93708 | 06292 | 71508 | 30 |
| 80 | 65362 | 93886 | 06114 | 71477 | 20 |
| 90 | 65508 | 94063 | 05937 | 71445 | 10 |
| **82 oo** | 65654 | 94241 | 05759 | 71413 | **18 oo** |
| 10 | 65800 | 94419 | 05581 | 71381 | 90 |
| 20 | 65946 | 94597 | 05403 | 71349 | 80 |
| 30 | 66092 | 94775 | 05225 | 71317 | 70 |
| 40 | 66238 | 94953 | 05047 | 71285 | 60 |
| 50 | 66384 | 95131 | 04869 | 71253 | 50 |
| 60 | 66530 | 95309 | 04691 | 71222 | 40 |
| 70 | 66676 | 95487 | 04513 | 71190 | 30 |
| 80 | 66822 | 95664 | 04336 | 71158 | 20 |
| 90 | 66968 | 95842 | 04158 | 71126 | 10 |
| **83 oo** | 67114 | 96020 | 03980 | 71094 | **17 oo** |
| 10 | 67260 | 96198 | 03802 | 71062 | 90 |
| 20 | 67406 | 96376 | 03624 | 71030 | 80 |
| 30 | 67552 | 96554 | 03446 | 70998 | 70 |
| 40 | 67698 | 96732 | 03268 | 70967 | 60 |
| 50 | 67844 | 96909 | 03091 | 70935 | 50 |
| 60 | 67990 | 97087 | 02913 | 70903 | 40 |
| 70 | 68136 | 97265 | 02735 | 70871 | 30 |
| 80 | 68282 | 97443 | 02557 | 70839 | 20 |
| 90 | 68428 | 97621 | 02379 | 70807 | 10 |
| **84 oo** | 68574 | 97799 | 02201 | 70775 | **16 oo** |
| 10 | 68720 | 97976 | 02024 | 70743 | 90 |
| 20 | 68866 | 98154 | 01846 | 70711 | 80 |
| 30 | 69012 | 98332 | 01668 | 70680 | 70 |
| 40 | 69157 | 98510 | 01490 | 70648 | 60 |
| 50 | 69303 | 98688 | 01312 | 70616 | 50 |
| 60 | 69449 | 98865 | 01135 | 70584 | 40 |
| 70 | 69595 | 99043 | 00957 | 70552 | 30 |
| 80 | 69741 | 99221 | 00779 | 70520 | 20 |
| 90 | 69887 | 99399 | 00601 | 70488 | 10 |
| **85 oo** | 70033 | 99577 | 00423 | 70456 | **15 oo** |
| | **9.62** | **9.66** | **0.33** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 145 | 177 | 177 | 32 | |

| **27g** | 146 | 178 | 178 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | ∗**9.66** | ∗**0.33** | **9.95** | |
| **85 oo** | 70033 | ∗99577 | ∗00423 | 70456 | **15 oo** |
| 10 | 70179 | ∗99754 | ∗00246 | 70424 | 90 |
| 20 | 70324 | ∗99932 | ∗00068 | 70392 | 80 |
| 30 | 70470 | 00110 | 99890 | 70361 | 70 |
| 40 | 70616 | 00288 | 99712 | 70329 | 60 |
| 50 | 70762 | 00465 | 99535 | 70297 | 50 |
| 60 | 70908 | 00643 | 99357 | 70265 | 40 |
| 70 | 71054 | 00821 | 99179 | 70233 | 30 |
| 80 | 71199 | 00999 | 99001 | 70201 | 20 |
| 90 | 71345 | 01176 | 98824 | 70169 | 10 |
| **86 oo** | 71491 | 01354 | 98646 | 70137 | **14 oo** |
| 10 | 71637 | 01532 | 98468 | 70105 | 90 |
| 20 | 71783 | 01709 | 98291 | 70073 | 80 |
| 30 | 71928 | 01887 | 98113 | 70041 | 70 |
| 40 | 72074 | 02065 | 97935 | 70009 | 60 |
| 50 | 72220 | 02243 | 97757 | 69978 | 50 |
| 60 | 72366 | 02420 | 97580 | 69946 | 40 |
| 70 | 72512 | 02598 | 97402 | 69914 | 30 |
| 80 | 72657 | 02776 | 97224 | 69882 | 20 |
| 90 | 72803 | 02953 | 97047 | 69850 | 10 |
| **87 oo** | 72949 | 03131 | 96869 | 69818 | **13 oo** |
| 10 | 73095 | 03309 | 96691 | 69786 | 90 |
| 20 | 73240 | 03486 | 96514 | 69754 | 80 |
| 30 | 73386 | 03664 | 96336 | 69722 | 70 |
| 40 | 73532 | 03842 | 96158 | 69690 | 60 |
| 50 | 73677 | 04019 | 95981 | 69658 | 50 |
| 60 | 73823 | 04197 | 95803 | 69626 | 40 |
| 70 | 73969 | 04375 | 95625 | 69594 | 30 |
| 80 | 74115 | 04552 | 95448 | 69562 | 20 |
| 90 | 74260 | 04730 | 95270 | 69530 | 10 |
| **88 oo** | 74406 | 04907 | 95093 | 69499 | **12 oo** |
| 10 | 74552 | 05085 | 94915 | 69467 | 90 |
| 20 | 74697 | 05263 | 94737 | 69435 | 80 |
| 30 | 74843 | 05440 | 94560 | 69403 | 70 |
| 40 | 74989 | 05618 | 94382 | 69371 | 60 |
| 50 | 75134 | 05796 | 94204 | 69339 | 50 |
| 60 | 75280 | 05973 | 94027 | 69307 | 40 |
| 70 | 75426 | 06151 | 93849 | 69275 | 30 |
| 80 | 75571 | 06328 | 93672 | 69243 | 20 |
| 90 | 75717 | 06506 | 93494 | 69211 | 10 |
| **89 oo** | 75863 | 06684 | 93316 | 69179 | **11 oo** |
| 10 | 76008 | 06861 | 93139 | 69147 | 90 |
| 20 | 76154 | 07039 | 92961 | 69115 | 80 |
| 30 | 76299 | 07216 | 92784 | 69083 | 70 |
| 40 | 76445 | 07394 | 92606 | 69051 | 60 |
| 50 | 76591 | 07571 | 92429 | 69019 | 50 |
| 60 | 76736 | 07749 | 92251 | 68987 | 40 |
| 70 | 76882 | 07927 | 92073 | 68955 | 30 |
| 80 | 77027 | 08104 | 91896 | 68923 | 20 |
| 90 | 77173 | 08282 | 91718 | 68891 | 10 |
| **90 oo** | 77318 | 08459 | 91541 | 68859 | **10 oo** |
| | **9.62** | **9.67** | **0.32** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 145 | 177 | 177 | 32 | |

| | 178 | 177 | 147 | 146 | 145 | 32 | 31 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,8 | 17,7 | 14,7 | 14,6 | 14,5 | 3,2 | 3,1 | 1 |
| 2 | 35,6 | 35,4 | 29,4 | 29,2 | 29,0 | 6,4 | 6,2 | 2 |
| 3 | 53,4 | 53,1 | 44,1 | 43,8 | 43,5 | 9,6 | 9,3 | 3 |
| 4 | 71,2 | 70,8 | 58,8 | 58,4 | 58,0 | 12,8 | 12,4 | 4 |
| 5 | 89,0 | 88,5 | 73,5 | 73,0 | 72,5 | 16,0 | 15,5 | 5 |
| 6 | 106,8 | 106,2 | 88,2 | 87,6 | 87,0 | 19,2 | 18,6 | 6 |
| 7 | 124,6 | 123,9 | 102,9 | 102,2 | 101,5 | 22,4 | 21,7 | 7 |
| 8 | 142,4 | 141,6 | 117,6 | 116,8 | 116,0 | 25,6 | 24,8 | 8 |
| 9 | 160,2 | 159,3 | 132,3 | 131,4 | 130,5 | 28,8 | 27,9 | 9 |

| 27g | 146 | 178 | 178 | 31 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | **9.67** | **0.32** | **9.95** | |
| **90 00** | 77318 | 08459 | 91541 | 68859 | **10 00** |
| 10 | 77464 | 08637 | 91363 | 68827 | 90 |
| 20 | 77610 | 08814 | 91186 | 68795 | 80 |
| 30 | 77755 | 08992 | 91008 | 68763 | 70 |
| 40 | 77901 | 09169 | 90831 | 68731 | 60 |
| 50 | 78046 | 09347 | 90653 | 68699 | 50 |
| 60 | 78192 | 09524 | 90476 | 68668 | 40 |
| 70 | 78337 | 09702 | 90298 | 68636 | 30 |
| 80 | 78483 | 09879 | 90121 | 68604 | 20 |
| 90 | 78628 | 10057 | 89943 | 68572 | 10 |
| **91 00** | 78774 | 10234 | 89766 | 68540 | **09 00** |
| 10 | 78919 | 10412 | 89588 | 68508 | 90 |
| 20 | 79065 | 10589 | 89411 | 68476 | 80 |
| 30 | 79210 | 10767 | 89233 | 68444 | 70 |
| 40 | 79356 | 10944 | 89056 | 68412 | 60 |
| 50 | 79501 | 11122 | 88878 | 68380 | 50 |
| 60 | 79647 | 11299 | 88701 | 68348 | 40 |
| 70 | 79792 | 11477 | 88523 | 68316 | 30 |
| 80 | 79938 | 11654 | 88346 | 68284 | 20 |
| 90 | 80083 | 11831 | 88169 | 68252 | 10 |
| **92 00** | 80229 | 12009 | 87991 | 68220 | **08 00** |
| 10 | 80374 | 12186 | 87814 | 68188 | 90 |
| 20 | 80519 | 12364 | 87636 | 68156 | 80 |
| 30 | 80665 | 12541 | 87459 | 68124 | 70 |
| 40 | 80810 | 12719 | 87281 | 68092 | 60 |
| 50 | 80956 | 12896 | 87104 | 68060 | 50 |
| 60 | 81101 | 13074 | 86926 | 68028 | 40 |
| 70 | 81247 | 13251 | 86749 | 67996 | 30 |
| 80 | 81392 | 13428 | 86572 | 67964 | 20 |
| 90 | 81537 | 13606 | 86394 | 67932 | 10 |
| **93 00** | 81683 | 13783 | 86217 | 67900 | **07 00** |
| 10 | 81828 | 13961 | 86039 | 67868 | 90 |
| 20 | 81974 | 14138 | 85862 | 67836 | 80 |
| 30 | 82119 | 14315 | 85685 | 67804 | 70 |
| 40 | 82264 | 14493 | 85507 | 67772 | 60 |
| 50 | 82410 | 14670 | 85330 | 67740 | 50 |
| 60 | 82555 | 14847 | 85153 | 67708 | 40 |
| 70 | 82700 | 15025 | 84975 | 67676 | 30 |
| 80 | 82846 | 15202 | 84798 | 67644 | 20 |
| 90 | 82991 | 15380 | 84620 | 67612 | 10 |
| **94 00** | 83136 | 15557 | 84443 | 67579 | **06 00** |
| 10 | 83282 | 15734 | 84266 | 67547 | 90 |
| 20 | 83427 | 15912 | 84088 | 67515 | 80 |
| 30 | 83572 | 16089 | 83911 | 67483 | 70 |
| 40 | 83718 | 16266 | 83734 | 67451 | 60 |
| 50 | 83863 | 16444 | 83556 | 67419 | 50 |
| 60 | 84008 | 16621 | 83379 | 67387 | 40 |
| 70 | 84154 | 16798 | 83202 | 67355 | 30 |
| 80 | 84299 | 16976 | 83024 | 67323 | 20 |
| 90 | 84444 | 17153 | 82847 | 67291 | 10 |
| **95 00** | 84589 | 17330 | 82670 | 67259 | **05 00** |
| | **9.62** | **9.67** | **0.32** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 145 | 177 | 177 | 33 | |

| 27g | 146 | 178 | 178 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | **9.67** | **0.32** | **9.95** | |
| **95 00** | 84589 | 17330 | 82670 | 67259 | **05 00** |
| 10 | 84735 | 17507 | 82493 | 67227 | 90 |
| 20 | 84880 | 17685 | 82315 | 67195 | 80 |
| 30 | 85025 | 17862 | 82138 | 67163 | 70 |
| 40 | 85170 | 18039 | 81961 | 67131 | 60 |
| 50 | 85316 | 18217 | 81783 | 67099 | 50 |
| 60 | 85461 | 18394 | 81606 | 67067 | 40 |
| 70 | 85606 | 18571 | 81429 | 67035 | 30 |
| 80 | 85751 | 18748 | 81252 | 67003 | 20 |
| 90 | 85897 | 18926 | 81074 | 66971 | 10 |
| **96 00** | 86042 | 19103 | 80897 | 66939 | **04 00** |
| 10 | 86187 | 19280 | 80720 | 66907 | 90 |
| 20 | 86332 | 19457 | 80543 | 66875 | 80 |
| 30 | 86477 | 19635 | 80365 | 66843 | 70 |
| 40 | 86623 | 19812 | 80188 | 66811 | 60 |
| 50 | 86768 | 19989 | 80011 | 66779 | 50 |
| 60 | 86913 | 20166 | 79834 | 66746 | 40 |
| 70 | 87058 | 20344 | 79656 | 66714 | 30 |
| 80 | 87203 | 20521 | 79479 | 66682 | 20 |
| 90 | 87348 | 20698 | 79302 | 66650 | 10 |
| **97 00** | 87494 | 20875 | 79125 | 66618 | **03 00** |
| 10 | 87639 | 21053 | 78947 | 66586 | 90 |
| 20 | 87784 | 21230 | 78770 | 66554 | 80 |
| 30 | 87929 | 21407 | 78593 | 66522 | 70 |
| 40 | 88074 | 21584 | 78416 | 66490 | 60 |
| 50 | 88219 | 21761 | 78239 | 66458 | 50 |
| 60 | 88364 | 21938 | 78062 | 66426 | 40 |
| 70 | 88509 | 22116 | 77884 | 66394 | 30 |
| 80 | 88655 | 22293 | 77707 | 66362 | 20 |
| 90 | 88800 | 22470 | 77530 | 66330 | 10 |
| **98 00** | 88945 | 22647 | 77353 | 66298 | **02 00** |
| 10 | 89090 | 22824 | 77176 | 66265 | 90 |
| 20 | 89235 | 23002 | 76998 | 66233 | 80 |
| 30 | 89380 | 23179 | 76821 | 66201 | 70 |
| 40 | 89525 | 23356 | 76644 | 66169 | 60 |
| 50 | 89670 | 23533 | 76467 | 66137 | 50 |
| 60 | 89815 | 23710 | 76290 | 66105 | 40 |
| 70 | 89960 | 23887 | 76113 | 66073 | 30 |
| 80 | 90105 | 24064 | 75936 | 66041 | 20 |
| 90 | 90250 | 24241 | 75759 | 66009 | 10 |
| **99 00** | 90395 | 24419 | 75581 | 65977 | **01 00** |
| 10 | 90540 | 24596 | 75404 | 65945 | 90 |
| 20 | 90685 | 24773 | 75227 | 65913 | 80 |
| 30 | 90830 | 24950 | 75050 | 65880 | 70 |
| 40 | 90975 | 25127 | 74873 | 65848 | 60 |
| 50 | 91120 | 25304 | 74696 | 65816 | 50 |
| 60 | 91265 | 25481 | 74519 | 65784 | 40 |
| 70 | 91410 | 25658 | 74342 | 65752 | 30 |
| 80 | 91555 | 25835 | 74165 | 65720 | 20 |
| 90 | 91700 | 26013 | 73987 | 65688 | 10 |
| **100 00** | 91845 | 26190 | 73810 | 65656 | **00 00** |
| | **9.62** | **9.67** | **0.32** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **72g** |
| | 145 | 177 | 177 | 33 | |

| | 178 | 177 | 146 | 145 | 33 | 32 | 31 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,8 | 17,7 | 14,6 | 14,5 | 3,3 | 3,2 | 3,1 | 1 |
| 2 | 35,6 | 35,4 | 29,2 | 29,0 | 6,6 | 6,4 | 6,2 | 2 |
| 3 | 53,4 | 53,1 | 43,8 | 43,5 | 9,9 | 9,6 | 9,3 | 3 |
| 4 | 71,2 | 70,8 | 58,4 | 58,0 | 13,2 | 12,8 | 12,4 | 4 |
| 5 | 89,0 | 88,5 | 73,0 | 72,5 | 16,5 | 16,0 | 15,5 | 5 |
| 6 | 106,8 | 106,2 | 87,6 | 87,0 | 19,8 | 19,2 | 18,6 | 6 |
| 7 | 124,6 | 123,9 | 102,2 | 101,5 | 23,1 | 22,4 | 21,7 | 7 |
| 8 | 142,4 | 141,6 | 116,8 | 116,0 | 26,4 | 25,6 | 24,8 | 8 |
| 9 | 160,2 | 159,3 | 131,4 | 130,5 | 29,7 | 28,8 | 27,9 | 9 |

| 28g | 145 | 177 | 177 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.62** | **9.67** | **0.32** | **9.95** | |
| **00 oo** | 91845 | 26190 | 73810 | 65656 | **100 oo** |
| 10 | 91990 | 26367 | 73633 | 65624 | 90 |
| 20 | 92135 | 26544 | 73456 | 65592 | 80 |
| 30 | 92280 | 26721 | 73279 | 65559 | 70 |
| 40 | 92425 | 26898 | 73102 | 65527 | 60 |
| 50 | 92570 | 27075 | 72925 | 65495 | 50 |
| 60 | 92715 | 27252 | 72748 | 65463 | 40 |
| 70 | 92860 | 27429 | 72571 | 65431 | 30 |
| 80 | 93005 | 27606 | 72394 | 65399 | 20 |
| 90 | 93150 | 27783 | 72217 | 65367 | 10 |
| **01 oo** | 93295 | 27960 | 72040 | 65335 | **99 oo** |
| 10 | 93440 | 28137 | 71863 | 65303 | 90 |
| 20 | 93585 | 28314 | 71686 | 65270 | 80 |
| 30 | 93729 | 28491 | 71509 | 65238 | 70 |
| 40 | 93874 | 28668 | 71332 | 65206 | 60 |
| 50 | 94019 | 28845 | 71155 | 65174 | 50 |
| 60 | 94164 | 29022 | 70978 | 65142 | 40 |
| 70 | 94309 | 29199 | 70801 | 65110 | 30 |
| 80 | 94454 | 29376 | 70624 | 65078 | 20 |
| 90 | 94599 | 29553 | 70447 | 65046 | 10 |
| **02 oo** | 94744 | 29730 | 70270 | 65013 | **98 oo** |
| 10 | 94888 | 29907 | 70093 | 64981 | 90 |
| 20 | 95033 | 30084 | 69916 | 64949 | 80 |
| 30 | 95178 | 30261 | 69739 | 64917 | 70 |
| 40 | 95323 | 30438 | 69562 | 64885 | 60 |
| 50 | 95468 | 30615 | 69385 | 64853 | 50 |
| 60 | 95613 | 30792 | 69208 | 64821 | 40 |
| 70 | 95757 | 30969 | 69031 | 64789 | 30 |
| 80 | 95902 | 31146 | 68854 | 64756 | 20 |
| 90 | 96047 | 31323 | 68677 | 64724 | 10 |
| **03 oo** | 96192 | 31500 | 68500 | 64692 | **97 oo** |
| 10 | 96337 | 31677 | 68323 | 64660 | 90 |
| 20 | 96481 | 31854 | 68146 | 64628 | 80 |
| 30 | 96626 | 32031 | 67969 | 64596 | 70 |
| 40 | 96771 | 32207 | 67793 | 64564 | 60 |
| 50 | 96916 | 32384 | 67616 | 64531 | 50 |
| 60 | 97061 | 32561 | 67439 | 64499 | 40 |
| 70 | 97205 | 32738 | 67262 | 64467 | 30 |
| 80 | 97350 | 32915 | 67085 | 64435 | 20 |
| 90 | 97495 | 33092 | 66908 | 64403 | 10 |
| **04 oo** | 97640 | 33269 | 66731 | 64371 | **96 oo** |
| 10 | 97784 | 33446 | 66554 | 64339 | 90 |
| 20 | 97929 | 33623 | 66377 | 64306 | 80 |
| 30 | 98074 | 33800 | 66200 | 64274 | 70 |
| 40 | 98218 | 33976 | 66024 | 64242 | 60 |
| 50 | 98363 | 34153 | 65847 | 64210 | 50 |
| 60 | 98508 | 34330 | 65670 | 64178 | 40 |
| 70 | 98653 | 34507 | 65493 | 64146 | 30 |
| 80 | 98797 | 34684 | 65316 | 64113 | 20 |
| 90 | 98942 | 34861 | 65139 | 64081 | 10 |
| **05 oo** | 99087 | 35038 | 64962 | 64049 | **95 oo** |
| | **9.62** | **9.67** | **0.32** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 144 | 176 | 176 | 33 | |

| 28g | 145 | 177 | 177 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.62** | **9.67** | **0.32** | **9.95** | |
| **05 oo** | ∗99087 | 35038 | 64962 | 64049 | **95 oo** |
| 10 | ∗99231 | 35214 | 64786 | 64017 | 90 |
| 20 | ∗99376 | 35391 | 64609 | 63985 | 80 |
| 30 | ∗99521 | 35568 | 64432 | 63953 | 70 |
| 40 | ∗99665 | 35745 | 64255 | 63920 | 60 |
| 50 | ∗99810 | 35922 | 64078 | 63888 | 50 |
| 60 | ∗99955 | 36099 | 63901 | 63856 | 40 |
| 70 | 00099 | 36275 | 63725 | 63824 | 30 |
| 80 | 00244 | 36452 | 63548 | 63792 | 20 |
| 90 | 00388 | 36629 | 63371 | 63760 | 10 |
| **06 oo** | 00533 | 36806 | 63194 | 63727 | **94 oo** |
| 10 | 00678 | 36983 | 63017 | 63695 | 90 |
| 20 | 00822 | 37159 | 62841 | 63663 | 80 |
| 30 | 00967 | 37336 | 62664 | 63631 | 70 |
| 40 | 01111 | 37513 | 62487 | 63599 | 60 |
| 50 | 01256 | 37690 | 62310 | 63566 | 50 |
| 60 | 01401 | 37866 | 62134 | 63534 | 40 |
| 70 | 01545 | 38043 | 61957 | 63502 | 30 |
| 80 | 01690 | 38220 | 61780 | 63470 | 20 |
| 90 | 01834 | 38397 | 61603 | 63438 | 10 |
| **07 oo** | 01979 | 38573 | 61427 | 63405 | **93 oo** |
| 10 | 02124 | 38750 | 61250 | 63373 | 90 |
| 20 | 02268 | 38927 | 61073 | 63341 | 80 |
| 30 | 02413 | 39104 | 60896 | 63309 | 70 |
| 40 | 02557 | 39280 | 60720 | 63277 | 60 |
| 50 | 02702 | 39457 | 60543 | 63244 | 50 |
| 60 | 02846 | 39634 | 60366 | 63212 | 40 |
| 70 | 02991 | 39811 | 60189 | 63180 | 30 |
| 80 | 03135 | 39987 | 60013 | 63148 | 20 |
| 90 | 03280 | 40164 | 59836 | 63116 | 10 |
| **08 oo** | 03424 | 40341 | 59659 | 63083 | **92 oo** |
| 10 | 03569 | 40517 | 59483 | 63051 | 90 |
| 20 | 03713 | 40694 | 59306 | 63019 | 80 |
| 30 | 03858 | 40871 | 59129 | 62987 | 70 |
| 40 | 04002 | 41048 | 58952 | 62955 | 60 |
| 50 | 04147 | 41224 | 58776 | 62922 | 50 |
| 60 | 04291 | 41401 | 58599 | 62890 | 40 |
| 70 | 04436 | 41578 | 58422 | 62858 | 30 |
| 80 | 04580 | 41754 | 58246 | 62826 | 20 |
| 90 | 04725 | 41931 | 58069 | 62794 | 10 |
| **09 oo** | 04869 | 42108 | 57892 | 62761 | **91 oo** |
| 10 | 05013 | 42284 | 57716 | 62729 | 90 |
| 20 | 05158 | 42461 | 57539 | 62697 | 80 |
| 30 | 05302 | 42638 | 57362 | 62665 | 70 |
| 40 | 05447 | 42814 | 57186 | 62632 | 60 |
| 50 | 05591 | 42991 | 57009 | 62600 | 50 |
| 60 | 05736 | 43168 | 56832 | 62568 | 40 |
| 70 | 05880 | 43344 | 56656 | 62536 | 30 |
| 80 | 06024 | 43521 | 56479 | 62504 | 20 |
| 90 | 06169 | 43697 | 56303 | 62471 | 10 |
| **10 oo** | 06313 | 43874 | 56126 | 62439 | **90 oo** |
| | **9.63** | **9.67** | **0.32** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 144 | 176 | 176 | 33 | |

| | 177 | 176 | 145 | 144 | 33 | 32 | |
|---|---|---|---|---|---|---|---|
| 1 | 17,7 | 17,6 | 14,5 | 14,4 | 3,3 | 3,2 | 1 |
| 2 | 35,4 | 35,2 | 29,0 | 28,8 | 6,6 | 6,4 | 2 |
| 3 | 53,1 | 52,8 | 43,5 | 43,2 | 9,9 | 9,6 | 3 |
| 4 | 70,8 | 70,4 | 58,0 | 57,6 | 13,2 | 12,8 | 4 |
| 5 | 88,5 | 88,0 | 72,5 | 72,0 | 16,5 | 16,0 | 5 |
| 6 | 106,2 | 105,6 | 87,0 | 86,4 | 19,8 | 19,2 | 6 |
| 7 | 123,9 | 123,2 | 101,5 | 100,8 | 23,1 | 22,4 | 7 |
| 8 | 141,6 | 140,8 | 116,0 | 115,2 | 26,4 | 25,6 | 8 |
| 9 | 159,3 | 158,4 | 130,5 | 129,6 | 29,7 | 28,8 | 9 |

| 28g | 145 | 177 | 177 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | **9.67** | **0.32** | **9.95** | |
| **10 oo** | 06313 | 43874 | 56126 | 62439 | **90 oo** |
| 10 | 06457 | 44051 | 55949 | 62407 | 90 |
| 20 | 06602 | 44227 | 55773 | 62375 | 80 |
| 30 | 06746 | 44404 | 55596 | 62342 | 70 |
| 40 | 06891 | 44580 | 55420 | 62310 | 60 |
| 50 | 07035 | 44757 | 55243 | 62278 | 50 |
| 60 | 07179 | 44934 | 55066 | 62246 | 40 |
| 70 | 07324 | 45110 | 54890 | 62213 | 30 |
| 80 | 07468 | 45287 | 54713 | 62181 | 20 |
| 90 | 07612 | 45463 | 54537 | 62149 | 10 |
| **11 oo** | 07757 | 45640 | 54360 | 62117 | **89 oo** |
| 10 | 07901 | 45817 | 54183 | 62084 | 90 |
| 20 | 08045 | 45993 | 54007 | 62052 | 80 |
| 30 | 08190 | 46170 | 53830 | 62020 | 70 |
| 40 | 08334 | 46346 | 53654 | 61988 | 60 |
| 50 | 08478 | 46523 | 53477 | 61955 | 50 |
| 60 | 08622 | 46699 | 53301 | 61923 | 40 |
| 70 | 08767 | 46876 | 53124 | 61891 | 30 |
| 80 | 08911 | 47052 | 52948 | 61859 | 20 |
| 90 | 09055 | 47229 | 52771 | 61826 | 10 |
| **12 oo** | 09200 | 47405 | 52595 | 61794 | **88 oo** |
| 10 | 09344 | 47582 | 52418 | 61762 | 90 |
| 20 | 09488 | 47758 | 52242 | 61730 | 80 |
| 30 | 09632 | 47935 | 52065 | 61697 | 70 |
| 40 | 09777 | 48111 | 51889 | 61665 | 60 |
| 50 | 09921 | 48288 | 51712 | 61633 | 50 |
| 60 | 10065 | 48464 | 51536 | 61601 | 40 |
| 70 | 10209 | 48641 | 51359 | 61568 | 30 |
| 80 | 10354 | 48817 | 51183 | 61536 | 20 |
| 90 | 10498 | 48994 | 51006 | 61504 | 10 |
| **13 oo** | 10642 | 49170 | 50830 | 61472 | **87 oo** |
| 10 | 10786 | 49347 | 50653 | 61439 | 90 |
| 20 | 10930 | 49523 | 50477 | 61407 | 80 |
| 30 | 11075 | 49700 | 50300 | 61375 | 70 |
| 40 | 11219 | 49876 | 50124 | 61342 | 60 |
| 50 | 11363 | 50053 | 49947 | 61310 | 50 |
| 60 | 11507 | 50229 | 49771 | 61278 | 40 |
| 70 | 11651 | 50406 | 49594 | 61246 | 30 |
| 80 | 11795 | 50582 | 49418 | 61213 | 20 |
| 90 | 11940 | 50759 | 49241 | 61181 | 10 |
| **14 oo** | 12084 | 50935 | 49065 | 61149 | **86 oo** |
| 10 | 12228 | 51111 | 48889 | 61116 | 90 |
| 20 | 12372 | 51288 | 48712 | 61084 | 80 |
| 30 | 12516 | 51464 | 48536 | 61052 | 70 |
| 40 | 12660 | 51641 | 48359 | 61020 | 60 |
| 50 | 12804 | 51817 | 48183 | 60987 | 50 |
| 60 | 12949 | 51994 | 48006 | 60955 | 40 |
| 70 | 13093 | 52170 | 47830 | 60923 | 30 |
| 80 | 13237 | 52346 | 47654 | 60890 | 20 |
| 90 | 13381 | 52523 | 47477 | 60858 | 10 |
| **15 oo** | 13525 | 52699 | 47301 | 60826 | **85 oo** |
| | **9.63** | **9.67** | **0.32** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 144 | 176 | 176 | 33 | |

| 28g | 145 | 177 | 177 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | **9.67** | **0.32** | **9.95** | |
| **15 oo** | 13525 | 52699 | 47301 | 60826 | **85 oo** |
| 10 | 13669 | 52875 | 47125 | 60794 | 90 |
| 20 | 13813 | 53052 | 46948 | 60761 | 80 |
| 30 | 13957 | 53228 | 46772 | 60729 | 70 |
| 40 | 14101 | 53405 | 46595 | 60697 | 60 |
| 50 | 14245 | 53581 | 46419 | 60664 | 50 |
| 60 | 14389 | 53757 | 46243 | 60632 | 40 |
| 70 | 14533 | 53934 | 46066 | 60600 | 30 |
| 80 | 14677 | 54110 | 45890 | 60567 | 20 |
| 90 | 14822 | 54286 | 45714 | 60535 | 10 |
| **16 oo** | 14966 | 54463 | 45537 | 60503 | **84 oo** |
| 10 | 15110 | 54639 | 45361 | 60470 | 90 |
| 20 | 15254 | 54815 | 45185 | 60438 | 80 |
| 30 | 15398 | 54992 | 45008 | 60406 | 70 |
| 40 | 15542 | 55168 | 44832 | 60374 | 60 |
| 50 | 15686 | 55344 | 44656 | 60341 | 50 |
| 60 | 15830 | 55521 | 44479 | 60309 | 40 |
| 70 | 15974 | 55697 | 44303 | 60277 | 30 |
| 80 | 16118 | 55873 | 44127 | 60244 | 20 |
| 90 | 16262 | 56050 | 43950 | 60212 | 10 |
| **17 oo** | 16406 | 56226 | 43774 | 60180 | **83 oo** |
| 10 | 16550 | 56402 | 43598 | 60147 | 90 |
| 20 | 16693 | 56579 | 43421 | 60115 | 80 |
| 30 | 16837 | 56755 | 43245 | 60083 | 70 |
| 40 | 16981 | 56931 | 43069 | 60050 | 60 |
| 50 | 17125 | 57107 | 42893 | 60018 | 50 |
| 60 | 17269 | 57284 | 42716 | 59986 | 40 |
| 70 | 17413 | 57460 | 42540 | 59953 | 30 |
| 80 | 17557 | 57636 | 42364 | 59921 | 20 |
| 90 | 17701 | 57812 | 42188 | 59889 | 10 |
| **18 oo** | 17845 | 57989 | 42011 | 59856 | **82 oo** |
| 10 | 17989 | 58165 | 41835 | 59824 | 90 |
| 20 | 18133 | 58341 | 41659 | 59792 | 80 |
| 30 | 18277 | 58517 | 41483 | 59759 | 70 |
| 40 | 18421 | 58694 | 41306 | 59727 | 60 |
| 50 | 18565 | 58870 | 41130 | 59695 | 50 |
| 60 | 18708 | 59046 | 40954 | 59662 | 40 |
| 70 | 18852 | 59222 | 40778 | 59630 | 30 |
| 80 | 18996 | 59399 | 40601 | 59598 | 20 |
| 90 | 19140 | 59575 | 40425 | 59565 | 10 |
| **19 oo** | 19284 | 59751 | 40249 | 59533 | **81 oo** |
| 10 | 19428 | 59927 | 40073 | 59501 | 90 |
| 20 | 19572 | 60103 | 39897 | 59468 | 80 |
| 30 | 19715 | 60280 | 39720 | 59436 | 70 |
| 40 | 19859 | 60456 | 39544 | 59403 | 60 |
| 50 | 20003 | 60632 | 39368 | 59371 | 50 |
| 60 | 20147 | 60808 | 39192 | 59339 | 40 |
| 70 | 20291 | 60984 | 39016 | 59306 | 30 |
| 80 | 20435 | 61161 | 38839 | 59274 | 20 |
| 90 | 20578 | 61337 | 38663 | 59242 | 10 |
| **20 oo** | 20722 | 61513 | 38487 | 59209 | **80 oo** |
| | **9.63** | **9.67** | **0.32** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 143 | 176 | 176 | 33 | |

| | 177 | 176 | 145 | 144 | 143 | 33 | 32 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,7 | 17,6 | 14,5 | 14,4 | 14,3 | 3,3 | 3,2 | 1 |
| 2 | 35,4 | 35,2 | 29,0 | 28,8 | 28,6 | 6,6 | 6,4 | 2 |
| 3 | 53,1 | 52,8 | 43,5 | 43,2 | 42,9 | 9,9 | 9,6 | 3 |
| 4 | 70,8 | 70,4 | 58,0 | 57,6 | 57,2 | 13,2 | 12,8 | 4 |
| 5 | 88,5 | 88,0 | 72,5 | 72,0 | 71,5 | 16,5 | 16,0 | 5 |
| 6 | 106,2 | 105,6 | 87,0 | 86,4 | 85,8 | 19,8 | 19,2 | 6 |
| 7 | 123,9 | 123,2 | 101,5 | 100,8 | 100,1 | 23,1 | 22,4 | 7 |
| 8 | 141,6 | 140,8 | 116,0 | 115,2 | 114,4 | 26,4 | 25,6 | 8 |
| 9 | 159,3 | 158,4 | 130,5 | 129,6 | 128,7 | 29,7 | 28,8 | 9 |

| 28g | 144 | 177 | 177 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | **9.67** | **0.32** | **9.95** | |
| **20 oo** | 20722 | 61513 | 38487 | 59209 | **80 oo** |
| 10 | 20866 | 61689 | 38311 | 59177 | 90 |
| 20 | 21010 | 61865 | 38135 | 59145 | 80 |
| 30 | 21153 | 62041 | 37959 | 59112 | 70 |
| 40 | 21297 | 62217 | 37783 | 59080 | 60 |
| 50 | 21441 | 62394 | 37606 | 59047 | 50 |
| 60 | 21585 | 62570 | 37430 | 59015 | 40 |
| 70 | 21729 | 62746 | 37254 | 58983 | 30 |
| 80 | 21872 | 62922 | 37078 | 58950 | 20 |
| 90 | 22016 | 63098 | 36902 | 58918 | 10 |
| **21 oo** | 22160 | 63274 | 36726 | 58886 | **79 oo** |
| 10 | 22304 | 63450 | 36550 | 58853 | 90 |
| 20 | 22447 | 63626 | 36374 | 58821 | 80 |
| 30 | 22591 | 63803 | 36197 | 58788 | 70 |
| 40 | 22735 | 63979 | 36021 | 58756 | 60 |
| 50 | 22878 | 64155 | 35845 | 58724 | 50 |
| 60 | 23022 | 64331 | 35669 | 58691 | 40 |
| 70 | 23166 | 64507 | 35493 | 58659 | 30 |
| 80 | 23310 | 64683 | 35317 | 58627 | 20 |
| 90 | 23453 | 64859 | 35141 | 58594 | 10 |
| **22 oo** | 23597 | 65035 | 34965 | 58562 | **78 oo** |
| 10 | 23741 | 65211 | 34789 | 58529 | 90 |
| 20 | 23884 | 65387 | 34613 | 58497 | 80 |
| 30 | 24028 | 65563 | 34437 | 58465 | 70 |
| 40 | 24172 | 65739 | 34261 | 58432 | 60 |
| 50 | 24315 | 65915 | 34085 | 58400 | 50 |
| 60 | 24459 | 66092 | 33908 | 58367 | 40 |
| 70 | 24603 | 66268 | 33732 | 58335 | 30 |
| 80 | 24746 | 66444 | 33556 | 58303 | 20 |
| 90 | 24890 | 66620 | 33380 | 58270 | 10 |
| **23 oo** | 25033 | 66796 | 33204 | 58238 | **77 oo** |
| 10 | 25177 | 66972 | 33028 | 58205 | 90 |
| 20 | 25321 | 67148 | 32852 | 58173 | 80 |
| 30 | 25464 | 67324 | 32676 | 58141 | 70 |
| 40 | 25608 | 67500 | 32500 | 58108 | 60 |
| 50 | 25751 | 67676 | 32324 | 58076 | 50 |
| 60 | 25895 | 67852 | 32148 | 58043 | 40 |
| 70 | 26039 | 68028 | 31972 | 58011 | 30 |
| 80 | 26182 | 68204 | 31796 | 57979 | 20 |
| 90 | 26326 | 68380 | 31620 | 57946 | 10 |
| **24 oo** | 26469 | 68556 | 31444 | 57914 | **76 oo** |
| 10 | 26613 | 68732 | 31268 | 57881 | 90 |
| 20 | 26757 | 68908 | 31092 | 57849 | 80 |
| 30 | 26900 | 69084 | 30916 | 57816 | 70 |
| 40 | 27044 | 69260 | 30740 | 57784 | 60 |
| 50 | 27187 | 69436 | 30564 | 57752 | 50 |
| 60 | 27331 | 69611 | 30389 | 57719 | 40 |
| 70 | 27474 | 69787 | 30213 | 57687 | 30 |
| 80 | 27618 | 69963 | 30037 | 57654 | 20 |
| 90 | 27761 | 70139 | 29861 | 57622 | 10 |
| **25 oo** | 27905 | 70315 | 29685 | 57589 | **75 oo** |
| | **9.63** | **9.67** | **0.32** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 143 | 175 | 175 | 33 | |

| 28g | 144 | 176 | 176 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | **9.67** | **0.32** | **9.95** | |
| **25 oo** | 27905 | 70315 | 29685 | 57589 | **75 oo** |
| 10 | 28048 | 70491 | 29509 | 57557 | 90 |
| 20 | 28192 | 70667 | 29333 | 57525 | 80 |
| 30 | 28335 | 70843 | 29157 | 57492 | 70 |
| 40 | 28479 | 71019 | 28981 | 57460 | 60 |
| 50 | 28622 | 71195 | 28805 | 57427 | 50 |
| 60 | 28766 | 71371 | 28629 | 57395 | 40 |
| 70 | 28909 | 71547 | 28453 | 57362 | 30 |
| 80 | 29053 | 71723 | 28277 | 57330 | 20 |
| 90 | 29196 | 71899 | 28101 | 57298 | 10 |
| **26 oo** | 29340 | 72074 | 27926 | 57265 | **74 oo** |
| 10 | 29483 | 72250 | 27750 | 57233 | 90 |
| 20 | 29626 | 72426 | 27574 | 57200 | 80 |
| 30 | 29770 | 72602 | 27398 | 57168 | 70 |
| 40 | 29913 | 72778 | 27222 | 57135 | 60 |
| 50 | 30057 | 72954 | 27046 | 57103 | 50 |
| 60 | 30200 | 73130 | 26870 | 57070 | 40 |
| 70 | 30344 | 73306 | 26694 | 57038 | 30 |
| 80 | 30487 | 73481 | 26519 | 57006 | 20 |
| 90 | 30630 | 73657 | 26343 | 56973 | 10 |
| **27 oo** | 30774 | 73833 | 26167 | 56941 | **73 oo** |
| 10 | 30917 | 74009 | 25991 | 56908 | 90 |
| 20 | 31060 | 74185 | 25815 | 56876 | 80 |
| 30 | 31204 | 74361 | 25639 | 56843 | 70 |
| 40 | 31347 | 74536 | 25464 | 56811 | 60 |
| 50 | 31491 | 74712 | 25288 | 56778 | 50 |
| 60 | 31634 | 74888 | 25112 | 56746 | 40 |
| 70 | 31777 | 75064 | 24936 | 56713 | 30 |
| 80 | 31921 | 75240 | 24760 | 56681 | 20 |
| 90 | 32064 | 75416 | 24584 | 56648 | 10 |
| **28 oo** | 32207 | 75591 | 24409 | 56616 | **72 oo** |
| 10 | 32351 | 75767 | 24233 | 56584 | 90 |
| 20 | 32494 | 75943 | 24057 | 56551 | 80 |
| 30 | 32637 | 76119 | 23881 | 56519 | 70 |
| 40 | 32781 | 76294 | 23706 | 56486 | 60 |
| 50 | 32924 | 76470 | 23530 | 56454 | 50 |
| 60 | 33067 | 76646 | 23354 | 56421 | 40 |
| 70 | 33211 | 76822 | 23178 | 56389 | 30 |
| 80 | 33354 | 76998 | 23002 | 56356 | 20 |
| 90 | 33497 | 77173 | 22827 | 56324 | 10 |
| **29 oo** | 33640 | 77349 | 22651 | 56291 | **71 oo** |
| 10 | 33784 | 77525 | 22475 | 56259 | 90 |
| 20 | 33927 | 77701 | 22299 | 56226 | 80 |
| 30 | 34070 | 77876 | 22124 | 56194 | 70 |
| 40 | 34213 | 78052 | 21948 | 56161 | 60 |
| 50 | 34357 | 78228 | 21772 | 56129 | 50 |
| 60 | 34500 | 78404 | 21596 | 56096 | 40 |
| 70 | 34643 | 78579 | 21421 | 56064 | 30 |
| 80 | 34786 | 78755 | 21245 | 56031 | 20 |
| 90 | 34930 | 78931 | 21069 | 55999 | 10 |
| **30 oo** | 35073 | 79106 | 20894 | 55966 | **70 oo** |
| | **9.63** | **9.67** | **0.32** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 143 | 175 | 175 | 33 | |

| | 177 | 176 | 175 | 144 | 143 | 33 | 32 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,7 | 17,6 | 17,5 | 14,4 | 14,3 | 3,3 | 3,2 | 1 |
| 2 | 35,4 | 35,2 | 35,0 | 28,8 | 28,6 | 6,6 | 6,4 | 2 |
| 3 | 53,1 | 52,8 | 52,5 | 43,2 | 42,9 | 9,9 | 9,6 | 3 |
| 4 | 70,8 | 70,4 | 70,0 | 57,6 | 57,2 | 13,2 | 12,8 | 4 |
| 5 | 88,5 | 88,0 | 87,5 | 72,0 | 71,5 | 16,5 | 16,0 | 5 |
| 6 | 106,2 | 105,6 | 105,0 | 86,4 | 85,8 | 19,8 | 19,2 | 6 |
| 7 | 123,9 | 123,2 | 122,5 | 100,8 | 100,1 | 23,1 | 22,4 | 7 |
| 8 | 141,6 | 140,8 | 140,0 | 115,2 | 114,4 | 26,4 | 25,6 | 8 |
| 9 | 159,3 | 158,4 | 157,5 | 129,6 | 128,7 | 29,7 | 28,8 | 9 |

| 28g | 144 | 176 | 176 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | **9.67** | **0.32** | **9.95** | |
| **30 oo** | 35073 | 79106 | 20894 | 55966 | **70 oo** |
| 10 | 35216 | 79282 | 20718 | 55934 | 90 |
| 20 | 35359 | 79458 | 20542 | 55901 | 80 |
| 30 | 35502 | 79634 | 20366 | 55869 | 70 |
| 40 | 35646 | 79809 | 20191 | 55836 | 60 |
| 50 | 35789 | 79985 | 20015 | 55804 | 50 |
| 60 | 35932 | 80161 | 19839 | 55771 | 40 |
| 70 | 36075 | 80336 | 19664 | 55739 | 30 |
| 80 | 36218 | 80512 | 19488 | 55706 | 20 |
| 90 | 36362 | 80688 | 19312 | 55674 | 10 |
| **31 oo** | 36505 | 80863 | 19137 | 55641 | **69 oo** |
| 10 | 36648 | 81039 | 18961 | 55609 | 90 |
| 20 | 36791 | 81215 | 18785 | 55576 | 80 |
| 30 | 36934 | 81390 | 18610 | 55544 | 70 |
| 40 | 37077 | 81566 | 18434 | 55511 | 60 |
| 50 | 37220 | 81742 | 18258 | 55479 | 50 |
| 60 | 37364 | 81917 | 18083 | 55446 | 40 |
| 70 | 37507 | 82093 | 17907 | 55414 | 30 |
| 80 | 37650 | 82269 | 17731 | 55381 | 20 |
| 90 | 37793 | 82444 | 17556 | 55349 | 10 |
| **32 oo** | 37936 | 82620 | 17380 | 55316 | **68 oo** |
| 10 | 38079 | 82795 | 17205 | 55284 | 90 |
| 20 | 38222 | 82971 | 17029 | 55251 | 80 |
| 30 | 38365 | 83147 | 16853 | 55219 | 70 |
| 40 | 38508 | 83322 | 16678 | 55186 | 60 |
| 50 | 38651 | 83498 | 16502 | 55154 | 50 |
| 60 | 38795 | 83673 | 16327 | 55121 | 40 |
| 70 | 38938 | 83849 | 16151 | 55089 | 30 |
| 80 | 39081 | 84025 | 15975 | 55056 | 20 |
| 90 | 39224 | 84200 | 15800 | 55023 | 10 |
| **33 oo** | 39367 | 84376 | 15624 | 54991 | **67 oo** |
| 10 | 39510 | 84551 | 15449 | 54958 | 90 |
| 20 | 39653 | 84727 | 15273 | 54926 | 80 |
| 30 | 39796 | 84902 | 15098 | 54893 | 70 |
| 40 | 39939 | 85078 | 14922 | 54861 | 60 |
| 50 | 40082 | 85254 | 14746 | 54828 | 50 |
| 60 | 40225 | 85429 | 14571 | 54796 | 40 |
| 70 | 40368 | 85605 | 14395 | 54763 | 30 |
| 80 | 40511 | 85780 | 14220 | 54731 | 20 |
| 90 | 40654 | 85956 | 14044 | 54698 | 10 |
| **34 oo** | 40797 | 86131 | 13869 | 54666 | **66 oo** |
| 10 | 40940 | 86307 | 13693 | 54633 | 90 |
| 20 | 41083 | 86482 | 13518 | 54600 | 80 |
| 30 | 41226 | 86658 | 13342 | 54568 | 70 |
| 40 | 41369 | 86833 | 13167 | 54535 | 60 |
| 50 | 41512 | 87009 | 12991 | 54503 | 50 |
| 60 | 41655 | 87184 | 12816 | 54470 | 40 |
| 70 | 41798 | 87360 | 12640 | 54438 | 30 |
| 80 | 41941 | 87535 | 12465 | 54405 | 20 |
| 90 | 42083 | 87711 | 12289 | 54373 | 10 |
| **35 oo** | 42226 | 87886 | 12114 | 54340 | **65 oo** |
| | **9.63** | **9.67** | **0.32** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 142 | 175 | 175 | 33 | **71g** |

| 28g | 143 | 176 | 176 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | **9.67** | **0.32** | **9.95** | |
| **35 oo** | 42226 | 87886 | 12114 | 54340 | **65 oo** |
| 10 | 42369 | 88062 | 11938 | 54307 | 90 |
| 20 | 42512 | 88237 | 11763 | 54275 | 80 |
| 30 | 42655 | 88413 | 11587 | 54242 | 70 |
| 40 | 42798 | 88588 | 11412 | 54210 | 60 |
| 50 | 42941 | 88764 | 11236 | 54177 | 50 |
| 60 | 43084 | 88939 | 11061 | 54145 | 40 |
| 70 | 43227 | 89115 | 10885 | 54112 | 30 |
| 80 | 43370 | 89290 | 10710 | 54079 | 20 |
| 90 | 43513 | 89466 | 10534 | 54047 | 10 |
| **36 oo** | 43655 | 89641 | 10359 | 54014 | **64 oo** |
| 10 | 43798 | 89817 | 10183 | 53982 | 90 |
| 20 | 43941 | 89992 | 10008 | 53949 | 80 |
| 30 | 44084 | 90167 | 09833 | 53917 | 70 |
| 40 | 44227 | 90343 | 09657 | 53884 | 60 |
| 50 | 44370 | 90518 | 09482 | 53851 | 50 |
| 60 | 44513 | 90694 | 09306 | 53819 | 40 |
| 70 | 44655 | 90869 | 09131 | 53786 | 30 |
| 80 | 44798 | 91045 | 08955 | 53754 | 20 |
| 90 | 44941 | 91220 | 08780 | 53721 | 10 |
| **37 oo** | 45084 | 91395 | 08605 | 53689 | **63 oo** |
| 10 | 45227 | 91571 | 08429 | 53656 | 90 |
| 20 | 45369 | 91746 | 08254 | 53623 | 80 |
| 30 | 45512 | 91921 | 08079 | 53591 | 70 |
| 40 | 45655 | 92097 | 07903 | 53558 | 60 |
| 50 | 45798 | 92272 | 07728 | 53526 | 50 |
| 60 | 45941 | 92448 | 07552 | 53493 | 40 |
| 70 | 46083 | 92623 | 07377 | 53460 | 30 |
| 80 | 46226 | 92798 | 07202 | 53428 | 20 |
| 90 | 46369 | 92974 | 07026 | 53395 | 10 |
| **38 oo** | 46512 | 93149 | 06851 | 53363 | **62 oo** |
| 10 | 46654 | 93324 | 06676 | 53330 | 90 |
| 20 | 46797 | 93500 | 06500 | 53297 | 80 |
| 30 | 46940 | 93675 | 06325 | 53265 | 70 |
| 40 | 47083 | 93850 | 06150 | 53232 | 60 |
| 50 | 47225 | 94026 | 05974 | 53200 | 50 |
| 60 | 47368 | 94201 | 05799 | 53167 | 40 |
| 70 | 47511 | 94376 | 05624 | 53134 | 30 |
| 80 | 47654 | 94552 | 05448 | 53102 | 20 |
| 90 | 47796 | 94727 | 05273 | 53069 | 10 |
| **39 oo** | 47939 | 94902 | 05098 | 53037 | **61 oo** |
| 10 | 48082 | 95078 | 04922 | 53004 | 90 |
| 20 | 48224 | 95253 | 04747 | 52971 | 80 |
| 30 | 48367 | 95428 | 04572 | 52939 | 70 |
| 40 | 48510 | 95604 | 04396 | 52906 | 60 |
| 50 | 48652 | 95779 | 04221 | 52873 | 50 |
| 60 | 48795 | 95954 | 04046 | 52841 | 40 |
| 70 | 48938 | 96129 | 03871 | 52808 | 30 |
| 80 | 49080 | 96305 | 03695 | 52776 | 20 |
| 90 | 49223 | 96480 | 03520 | 52743 | 10 |
| **40 oo** | 49366 | 96655 | 03345 | 52710 | **60 oo** |
| | **9.63** | **9.67** | **0.32** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 142 | 175 | 175 | 33 | **71g** |

| | 176 | 175 | 144 | 143 | 142 | 33 | 32 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,6 | 17,5 | 14,4 | 14,3 | 14,2 | 3,3 | 3,2 | 1 |
| 2 | 35,2 | 35,0 | 28,8 | 28,6 | 28,4 | 6,6 | 6,4 | 2 |
| 3 | 52,8 | 52,5 | 43,2 | 42,9 | 42,6 | 9,9 | 9,6 | 3 |
| 4 | 70,4 | 70,0 | 57,6 | 57,2 | 56,8 | 13,2 | 12,8 | 4 |
| 5 | 88,0 | 87,5 | 72,0 | 71,5 | 71,0 | 16,5 | 16,0 | 5 |
| 6 | 105,6 | 105,0 | 86,4 | 85,8 | 85,2 | 19,8 | 19,2 | 6 |
| 7 | 123,2 | 122,5 | 100,8 | 100,1 | 99,4 | 23,1 | 22,4 | 7 |
| 8 | 140,8 | 140,0 | 115,2 | 114,4 | 113,6 | 26,4 | 25,6 | 8 |
| 9 | 158,4 | 157,5 | 129,6 | 128,7 | 127,8 | 29,7 | 28,8 | 9 |

| 28g | 143 | 176 | 176 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | ***9.67** | ***0.32** | **9.95** | |
| **40 oo** | 49366 | *96655 | *03345 | 52710 | **60 oo** |
| 10 | 49508 | *96831 | *03169 | 52678 | 90 |
| 20 | 49651 | *97006 | *02994 | 52645 | 80 |
| 30 | 49793 | *97181 | *02819 | 52612 | 70 |
| 40 | 49936 | *97356 | *02644 | 52580 | 60 |
| 50 | 50079 | *97532 | *02468 | 52547 | 50 |
| 60 | 50221 | *97707 | *02293 | 52515 | 40 |
| 70 | 50364 | *97882 | *02118 | 52482 | 30 |
| 80 | 50507 | *98057 | *01943 | 52449 | 20 |
| 90 | 50649 | *98232 | *01768 | 52417 | 10 |
| **41 oo** | 50792 | *98408 | *01592 | 52384 | **59 oo** |
| 10 | 50934 | *98583 | *01417 | 52351 | 90 |
| 20 | 51077 | *98758 | *01242 | 52319 | 80 |
| 30 | 51219 | *98933 | *01067 | 52286 | 70 |
| 40 | 51362 | *99109 | *00891 | 52253 | 60 |
| 50 | 51505 | *99284 | *00716 | 52221 | 50 |
| 60 | 51647 | *99459 | *00541 | 52188 | 40 |
| 70 | 51790 | *99634 | *00366 | 52155 | 30 |
| 80 | 51932 | *99809 | *00191 | 52123 | 20 |
| 90 | 52075 | *99985 | *00015 | 52090 | 10 |
| **42 oo** | 52217 | 00160 | 99840 | 52058 | **58 oo** |
| 10 | 52360 | 00335 | 99665 | 52025 | 90 |
| 20 | 52502 | 00510 | 99490 | 51992 | 80 |
| 30 | 52645 | 00685 | 99315 | 51960 | 70 |
| 40 | 52787 | 00860 | 99140 | 51927 | 60 |
| 50 | 52930 | 01036 | 98964 | 51894 | 50 |
| 60 | 53072 | 01211 | 98789 | 51862 | 40 |
| 70 | 53215 | 01386 | 98614 | 51829 | 30 |
| 80 | 53357 | 01561 | 98439 | 51796 | 20 |
| 90 | 53500 | 01736 | 98264 | 51764 | 10 |
| **43 oo** | 53642 | 01911 | 98089 | 51731 | **57 oo** |
| 10 | 53785 | 02086 | 97914 | 51698 | 90 |
| 20 | 53927 | 02262 | 97738 | 51666 | 80 |
| 30 | 54070 | 02437 | 97563 | 51633 | 70 |
| 40 | 54212 | 02612 | 97388 | 51600 | 60 |
| 50 | 54354 | 02787 | 97213 | 51568 | 50 |
| 60 | 54497 | 02962 | 97038 | 51535 | 40 |
| 70 | 54639 | 03137 | 96863 | 51502 | 30 |
| 80 | 54782 | 03312 | 96688 | 51470 | 20 |
| 90 | 54924 | 03487 | 96513 | 51437 | 10 |
| **44 oo** | 55067 | 03662 | 96338 | 51404 | **56 oo** |
| 10 | 55209 | 03837 | 96163 | 51372 | 90 |
| 20 | 55351 | 04013 | 95987 | 51339 | 80 |
| 30 | 55494 | 04188 | 95812 | 51306 | 70 |
| 40 | 55636 | 04363 | 95637 | 51273 | 60 |
| 50 | 55779 | 04538 | 95462 | 51241 | 50 |
| 60 | 55921 | 04713 | 95287 | 51208 | 40 |
| 70 | 56063 | 04888 | 95112 | 51175 | 30 |
| 80 | 56206 | 05063 | 94937 | 51143 | 20 |
| 90 | 56348 | 05238 | 94762 | 51110 | 10 |
| **45 oo** | 56490 | 05413 | 94587 | 51077 | **55 oo** |
| | **9.63** | **9.68** | **0.31** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 142 | 175 | 175 | 33 | |

| 28g | 143 | 175 | 175 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | **9.68** | **0.31** | **9.95** | |
| **45 oo** | 56490 | 05413 | 94587 | 51077 | **55 oo** |
| 10 | 56633 | 05588 | 94412 | 51045 | 90 |
| 20 | 56775 | 05763 | 94237 | 51012 | 80 |
| 30 | 56917 | 05938 | 94062 | 50979 | 70 |
| 40 | 57060 | 06113 | 93887 | 50947 | 60 |
| 50 | 57202 | 06288 | 93712 | 50914 | 50 |
| 60 | 57344 | 06463 | 93537 | 50881 | 40 |
| 70 | 57487 | 06638 | 93362 | 50848 | 30 |
| 80 | 57629 | 06813 | 93187 | 50816 | 20 |
| 90 | 57771 | 06988 | 93012 | 50783 | 10 |
| **46 oo** | 57914 | 07163 | 92837 | 50750 | **54 oo** |
| 10 | 58056 | 07338 | 92662 | 50718 | 90 |
| 20 | 58198 | 07513 | 92487 | 50685 | 80 |
| 30 | 58340 | 07688 | 92312 | 50652 | 70 |
| 40 | 58483 | 07863 | 92137 | 50620 | 60 |
| 50 | 58625 | 08038 | 91962 | 50587 | 50 |
| 60 | 58767 | 08213 | 91787 | 50554 | 40 |
| 70 | 58910 | 08388 | 91612 | 50521 | 30 |
| 80 | 59052 | 08563 | 91437 | 50489 | 20 |
| 90 | 59194 | 08738 | 91262 | 50456 | 10 |
| **47 oo** | 59336 | 08913 | 91087 | 50423 | **53 oo** |
| 10 | 59478 | 09088 | 90912 | 50391 | 90 |
| 20 | 59621 | 09263 | 90737 | 50358 | 80 |
| 30 | 59763 | 09438 | 90562 | 50325 | 70 |
| 40 | 59905 | 09613 | 90387 | 50292 | 60 |
| 50 | 60047 | 09788 | 90212 | 50260 | 50 |
| 60 | 60190 | 09963 | 90037 | 50227 | 40 |
| 70 | 60332 | 10138 | 89862 | 50194 | 30 |
| 80 | 60474 | 10313 | 89687 | 50161 | 20 |
| 90 | 60616 | 10487 | 89513 | 50129 | 10 |
| **48 oo** | 60758 | 10662 | 89338 | 50096 | **52 oo** |
| 10 | 60901 | 10837 | 89163 | 50063 | 90 |
| 20 | 61043 | 11012 | 88988 | 50031 | 80 |
| 30 | 61185 | 11187 | 88813 | 49998 | 70 |
| 40 | 61327 | 11362 | 88638 | 49965 | 60 |
| 50 | 61469 | 11537 | 88463 | 49932 | 50 |
| 60 | 61611 | 11712 | 88288 | 49900 | 40 |
| 70 | 61753 | 11887 | 88113 | 49867 | 30 |
| 80 | 61896 | 12061 | 87939 | 49834 | 20 |
| 90 | 62038 | 12236 | 87764 | 49801 | 10 |
| **49 oo** | 62180 | 12411 | 87589 | 49769 | **51 oo** |
| 10 | 62322 | 12586 | 87414 | 49736 | 90 |
| 20 | 62464 | 12761 | 87239 | 49703 | 80 |
| 30 | 62606 | 12936 | 87064 | 49670 | 70 |
| 40 | 62748 | 13111 | 86889 | 49638 | 60 |
| 50 | 62890 | 13286 | 86714 | 49605 | 50 |
| 60 | 63032 | 13460 | 86540 | 49572 | 40 |
| 70 | 63175 | 13635 | 86365 | 49539 | 30 |
| 80 | 63317 | 13810 | 86190 | 49507 | 20 |
| 90 | 63459 | 13985 | 86015 | 49474 | 10 |
| **50 oo** | 63601 | 14160 | 85840 | 49441 | **50 oo** |
| | **9.63** | **9.68** | **0.31** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 142 | 174 | 174 | 33 | |

| | 176 | 175 | 174 | 143 | 142 | 33 | 32 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,6 | 17,5 | 17,4 | 14,3 | 14,2 | 3,3 | 3,2 | 1 |
| 2 | 35,2 | 35,0 | 34,8 | 28,6 | 28,4 | 6,6 | 6,4 | 2 |
| 3 | 52,8 | 52,5 | 52,2 | 42,9 | 42,6 | 9,9 | 9,6 | 3 |
| 4 | 70,4 | 70,0 | 69,6 | 57,2 | 56,8 | 13,2 | 12,8 | 4 |
| 5 | 88,0 | 87,5 | 87,0 | 71,5 | 71,0 | 16,5 | 16,0 | 5 |
| 6 | 105,6 | 105,0 | 104,4 | 85,8 | 85,2 | 19,8 | 19,2 | 6 |
| 7 | 123,2 | 122,5 | 121,8 | 100,1 | 99,4 | 23,1 | 22,4 | 7 |
| 8 | 140,8 | 140,0 | 139,2 | 114,4 | 113,6 | 26,4 | 25,6 | 8 |
| 9 | 158,4 | 157,5 | 156,6 | 128,7 | 127,8 | 29,7 | 28,8 | 9 |

| 28g | 142 | 175 | 175 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | **9.68** | **0.31** | **9.95** | |
| **50 oo** | 63601 | 14160 | 85840 | 49441 | **50 oo** |
| 10 | 63743 | 14335 | 85665 | 49408 | 90 |
| 20 | 63885 | 14509 | 85491 | 49376 | 80 |
| 30 | 64027 | 14684 | 85316 | 49343 | 70 |
| 40 | 64169 | 14859 | 85141 | 49310 | 60 |
| 50 | 64311 | 15034 | 84966 | 49277 | 50 |
| 60 | 64453 | 15209 | 84791 | 49245 | 40 |
| 70 | 64595 | 15383 | 84617 | 49212 | 30 |
| 80 | 64737 | 15558 | 84442 | 49179 | 20 |
| 90 | 64879 | 15733 | 84267 | 49146 | 10 |
| **51 oo** | 65021 | 15908 | 84092 | 49113 | **49 oo** |
| 10 | 65163 | 16082 | 83918 | 49081 | 90 |
| 20 | 65305 | 16257 | 83743 | 49048 | 80 |
| 30 | 65447 | 16432 | 83568 | 49015 | 70 |
| 40 | 65589 | 16607 | 83393 | 48982 | 60 |
| 50 | 65731 | 16782 | 83218 | 48950 | 50 |
| 60 | 65873 | 16956 | 83044 | 48917 | 40 |
| 70 | 66015 | 17131 | 82869 | 48884 | 30 |
| 80 | 66157 | 17306 | 82694 | 48851 | 20 |
| 90 | 66299 | 17481 | 82519 | 48818 | 10 |
| **52 oo** | 66441 | 17655 | 82345 | 48786 | **48 oo** |
| 10 | 66583 | 17830 | 82170 | 48753 | 90 |
| 20 | 66725 | 18005 | 81995 | 48720 | 80 |
| 30 | 66867 | 18179 | 81821 | 48687 | 70 |
| 40 | 67009 | 18354 | 81646 | 48655 | 60 |
| 50 | 67151 | 18529 | 81471 | 48622 | 50 |
| 60 | 67293 | 18704 | 81296 | 48589 | 40 |
| 70 | 67434 | 18878 | 81122 | 48556 | 30 |
| 80 | 67576 | 19053 | 80947 | 48523 | 20 |
| 90 | 67718 | 19228 | 80772 | 48491 | 10 |
| **53 oo** | 67860 | 19402 | 80598 | 48458 | **47 oo** |
| 10 | 68002 | 19577 | 80423 | 48425 | 90 |
| 20 | 68144 | 19752 | 80248 | 48392 | 80 |
| 30 | 68286 | 19926 | 80074 | 48359 | 70 |
| 40 | 68428 | 20101 | 79899 | 48327 | 60 |
| 50 | 68570 | 20276 | 79724 | 48294 | 50 |
| 60 | 68711 | 20450 | 79550 | 48261 | 40 |
| 70 | 68853 | 20625 | 79375 | 48228 | 30 |
| 80 | 68995 | 20800 | 79200 | 48195 | 20 |
| 90 | 69137 | 20974 | 79026 | 48163 | 10 |
| **54 oo** | 69279 | 21149 | 78851 | 48130 | **46 oo** |
| 10 | 69421 | 21324 | 78676 | 48097 | 90 |
| 20 | 69562 | 21498 | 78502 | 48064 | 80 |
| 30 | 69704 | 21673 | 78327 | 48031 | 70 |
| 40 | 69846 | 21848 | 78152 | 47998 | 60 |
| 50 | 69988 | 22022 | 77978 | 47966 | 50 |
| 60 | 70130 | 22197 | 77803 | 47933 | 40 |
| 70 | 70272 | 22372 | 77628 | 47900 | 30 |
| 80 | 70413 | 22546 | 77454 | 47867 | 20 |
| 90 | 70555 | 22721 | 77279 | 47834 | 10 |
| **55 oo** | 70697 | 22895 | 77105 | 47802 | **45 oo** |
| | **9.63** | **9.68** | **0.31** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 141 | 174 | 174 | 33 | |

| 28g | 142 | 175 | 175 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | **9.68** | **0.31** | **9.95** | |
| **55 oo** | 70697 | 22895 | 77105 | 47802 | **45 oo** |
| 10 | 70839 | 23070 | 76930 | 47769 | 90 |
| 20 | 70980 | 23245 | 76755 | 47736 | 80 |
| 30 | 71122 | 23419 | 76581 | 47703 | 70 |
| 40 | 71264 | 23594 | 76406 | 47670 | 60 |
| 50 | 71406 | 23768 | 76232 | 47637 | 50 |
| 60 | 71547 | 23943 | 76057 | 47605 | 40 |
| 70 | 71689 | 24118 | 75882 | 47572 | 30 |
| 80 | 71831 | 24292 | 75708 | 47539 | 20 |
| 90 | 71973 | 24467 | 75533 | 47506 | 10 |
| **56 oo** | 72114 | 24641 | 75359 | 47473 | **44 oo** |
| 10 | 72256 | 24816 | 75184 | 47440 | 90 |
| 20 | 72398 | 24990 | 75010 | 47408 | 80 |
| 30 | 72540 | 25165 | 74835 | 47375 | 70 |
| 40 | 72681 | 25339 | 74661 | 47342 | 60 |
| 50 | 72823 | 25514 | 74486 | 47309 | 50 |
| 60 | 72965 | 25688 | 74312 | 47276 | 40 |
| 70 | 73106 | 25863 | 74137 | 47243 | 30 |
| 80 | 73248 | 26038 | 73962 | 47210 | 20 |
| 90 | 73390 | 26212 | 73788 | 47178 | 10 |
| **57 oo** | 73531 | 26387 | 73613 | 47145 | **43 oo** |
| 10 | 73673 | 26561 | 73439 | 47112 | 90 |
| 20 | 73815 | 26736 | 73264 | 47079 | 80 |
| 30 | 73956 | 26910 | 73090 | 47046 | 70 |
| 40 | 74098 | 27085 | 72915 | 47013 | 60 |
| 50 | 74240 | 27259 | 72741 | 46981 | 50 |
| 60 | 74381 | 27434 | 72566 | 46948 | 40 |
| 70 | 74523 | 27608 | 72392 | 46915 | 30 |
| 80 | 74665 | 27783 | 72217 | 46882 | 20 |
| 90 | 74806 | 27957 | 72043 | 46849 | 10 |
| **58 oo** | 74948 | 28132 | 71868 | 46816 | **42 oo** |
| 10 | 75089 | 28306 | 71694 | 46783 | 90 |
| 20 | 75231 | 28480 | 71520 | 46750 | 80 |
| 30 | 75373 | 28655 | 71345 | 46718 | 70 |
| 40 | 75514 | 28829 | 71171 | 46685 | 60 |
| 50 | 75656 | 29004 | 70996 | 46652 | 50 |
| 60 | 75797 | 29178 | 70822 | 46619 | 40 |
| 70 | 75939 | 29353 | 70647 | 46586 | 30 |
| 80 | 76080 | 29527 | 70473 | 46553 | 20 |
| 90 | 76222 | 29702 | 70298 | 46520 | 10 |
| **59 oo** | 76364 | 29876 | 70124 | 46488 | **41 oo** |
| 10 | 76505 | 30050 | 69950 | 46455 | 90 |
| 20 | 76647 | 30225 | 69775 | 46422 | 80 |
| 30 | 76788 | 30399 | 69601 | 46389 | 70 |
| 40 | 76930 | 30574 | 69426 | 46356 | 60 |
| 50 | 77071 | 30748 | 69252 | 46323 | 50 |
| 60 | 77213 | 30923 | 69077 | 46290 | 40 |
| 70 | 77354 | 31097 | 68903 | 46257 | 30 |
| 80 | 77496 | 31271 | 68729 | 46224 | 20 |
| 90 | 77637 | 31446 | 68554 | 46192 | 10 |
| **60 oo** | 77779 | 31620 | 68380 | 46159 | **40 oo** |
| | **9.63** | **9.68** | **0.31** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 141 | 174 | 174 | 33 | |

| | 175 | 174 | 142 | 141 | 33 | 32 | |
|---|---|---|---|---|---|---|---|
| 1 | 17,5 | 17,4 | 14,2 | 14,1 | 3,3 | 3,2 | 1 |
| 2 | 35,0 | 34,8 | 28,4 | 28,2 | 6,6 | 6,4 | 2 |
| 3 | 52,5 | 52,2 | 42,6 | 42,3 | 9,9 | 9,6 | 3 |
| 4 | 70,0 | 69,6 | 56,8 | 56,4 | 13,2 | 12,8 | 4 |
| 5 | 87,5 | 87,0 | 71,0 | 70,5 | 16,5 | 16,0 | 5 |
| 6 | 105,0 | 104,4 | 85,2 | 84,6 | 19,8 | 19,2 | 6 |
| 7 | 122,5 | 121,8 | 99,4 | 98,7 | 23,1 | 22,4 | 7 |
| 8 | 140,0 | 139,2 | 113,6 | 112,8 | 26,4 | 25,6 | 8 |
| 9 | 157,5 | 156,6 | 127,8 | 126,9 | 29,7 | 28,8 | 9 |

| 28g | 142 | 175 | 175 | 32 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | **9.68** | **0.31** | **9.95** | |
| **60 oo** | 77779 | 31620 | 68380 | 46159 | **40 oo** |
| 10 | 77920 | 31795 | 68205 | 46126 | 90 |
| 20 | 78062 | 31969 | 68031 | 46093 | 80 |
| 30 | 78203 | 32143 | 67857 | 46060 | 70 |
| 40 | 78345 | 32318 | 67682 | 46027 | 60 |
| 50 | 78486 | 32492 | 67508 | 45994 | 50 |
| 60 | 78628 | 32666 | 67334 | 45961 | 40 |
| 70 | 78769 | 32841 | 67159 | 45928 | 30 |
| 80 | 78911 | 33015 | 66985 | 45896 | 20 |
| 90 | 79052 | 33189 | 66811 | 45863 | 10 |
| **61 oo** | 79193 | 33364 | 66636 | 45830 | **39 oo** |
| 10 | 79335 | 33538 | 66462 | 45797 | 90 |
| 20 | 79476 | 33712 | 66288 | 45764 | 80 |
| 30 | 79618 | 33887 | 66113 | 45731 | 70 |
| 40 | 79759 | 34061 | 65939 | 45698 | 60 |
| 50 | 79901 | 34235 | 65765 | 45665 | 50 |
| 60 | 80042 | 34410 | 65590 | 45632 | 40 |
| 70 | 80183 | 34584 | 65416 | 45599 | 30 |
| 80 | 80325 | 34758 | 65242 | 45566 | 20 |
| 90 | 80466 | 34933 | 65067 | 45534 | 10 |
| **62 oo** | 80608 | 35107 | 64893 | 45501 | **38 oo** |
| 10 | 80749 | 35281 | 64719 | 45468 | 90 |
| 20 | 80890 | 35456 | 64544 | 45435 | 80 |
| 30 | 81032 | 35630 | 64370 | 45402 | 70 |
| 40 | 81173 | 35804 | 64196 | 45369 | 60 |
| 50 | 81314 | 35978 | 64022 | 45336 | 50 |
| 60 | 81456 | 36153 | 63847 | 45303 | 40 |
| 70 | 81597 | 36327 | 63673 | 45270 | 30 |
| 80 | 81738 | 36501 | 63499 | 45237 | 20 |
| 90 | 81880 | 36675 | 63325 | 45204 | 10 |
| **63 oo** | 82021 | 36850 | 63150 | 45171 | **37 oo** |
| 10 | 82162 | 37024 | 62976 | 45138 | 90 |
| 20 | 82304 | 37198 | 62802 | 45106 | 80 |
| 30 | 82445 | 37372 | 62628 | 45073 | 70 |
| 40 | 82586 | 37547 | 62453 | 45040 | 60 |
| 50 | 82728 | 37721 | 62279 | 45007 | 50 |
| 60 | 82869 | 37895 | 62105 | 44974 | 40 |
| 70 | 83010 | 38069 | 61931 | 44941 | 30 |
| 80 | 83152 | 38244 | 61756 | 44908 | 20 |
| 90 | 83293 | 38418 | 61582 | 44875 | 10 |
| **64 oo** | 83434 | 38592 | 61408 | 44842 | **36 oo** |
| 10 | 83575 | 38766 | 61234 | 44809 | 90 |
| 20 | 83717 | 38940 | 61060 | 44776 | 80 |
| 30 | 83858 | 39115 | 60885 | 44743 | 70 |
| 40 | 83999 | 39289 | 60711 | 44710 | 60 |
| 50 | 84140 | 39463 | 60537 | 44677 | 50 |
| 60 | 84282 | 39637 | 60363 | 44644 | 40 |
| 70 | 84423 | 39811 | 60189 | 44611 | 30 |
| 80 | 84564 | 39986 | 60014 | 44578 | 20 |
| 90 | 84705 | 40160 | 59840 | 44545 | 10 |
| **65 oo** | 84846 | 40334 | 59666 | 44513 | **35 oo** |
| | **9.63** | **9.68** | **0.31** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 141 | 174 | 174 | 33 | |

| 28g | 142 | 175 | 175 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | **9.68** | **0.31** | **9.95** | |
| **65 oo** | 84846 | 40334 | 59666 | 44513 | **35 oo** |
| 10 | 84988 | 40508 | 59492 | 44480 | 90 |
| 20 | 85129 | 40682 | 59318 | 44447 | 80 |
| 30 | 85270 | 40856 | 59144 | 44414 | 70 |
| 40 | 85411 | 41031 | 58969 | 44381 | 60 |
| 50 | 85552 | 41205 | 58795 | 44348 | 50 |
| 60 | 85694 | 41379 | 58621 | 44315 | 40 |
| 70 | 85835 | 41553 | 58447 | 44282 | 30 |
| 80 | 85976 | 41727 | 58273 | 44249 | 20 |
| 90 | 86117 | 41901 | 58099 | 44216 | 10 |
| **66 oo** | 86258 | 42075 | 57925 | 44183 | **34 oo** |
| 10 | 86399 | 42250 | 57750 | 44150 | 90 |
| 20 | 86541 | 42424 | 57576 | 44117 | 80 |
| 30 | 86682 | 42598 | 57402 | 44084 | 70 |
| 40 | 86823 | 42772 | 57228 | 44051 | 60 |
| 50 | 86964 | 42946 | 57054 | 44018 | 50 |
| 60 | 87105 | 43120 | 56880 | 43985 | 40 |
| 70 | 87246 | 43294 | 56706 | 43952 | 30 |
| 80 | 87387 | 43468 | 56532 | 43919 | 20 |
| 90 | 87528 | 43642 | 56358 | 43886 | 10 |
| **67 oo** | 87670 | 43816 | 56184 | 43853 | **33 oo** |
| 10 | 87811 | 43991 | 56009 | 43820 | 90 |
| 20 | 87952 | 44165 | 55835 | 43787 | 80 |
| 30 | 88093 | 44339 | 55661 | 43754 | 70 |
| 40 | 88234 | 44513 | 55487 | 43721 | 60 |
| 50 | 88375 | 44687 | 55313 | 43688 | 50 |
| 60 | 88516 | 44861 | 55139 | 43655 | 40 |
| 70 | 88657 | 45035 | 54965 | 43622 | 30 |
| 80 | 88798 | 45209 | 54791 | 43589 | 20 |
| 90 | 88939 | 45383 | 54617 | 43556 | 10 |
| **68 oo** | 89080 | 45557 | 54443 | 43523 | **32 oo** |
| 10 | 89221 | 45731 | 54269 | 43490 | 90 |
| 20 | 89362 | 45905 | 54095 | 43457 | 80 |
| 30 | 89503 | 46079 | 53921 | 43424 | 70 |
| 40 | 89644 | 46253 | 53747 | 43391 | 60 |
| 50 | 89785 | 46427 | 53573 | 43358 | 50 |
| 60 | 89926 | 46601 | 53399 | 43325 | 40 |
| 70 | 90067 | 46775 | 53225 | 43292 | 30 |
| 80 | 90208 | 46949 | 53051 | 43259 | 20 |
| 90 | 90349 | 47123 | 52877 | 43226 | 10 |
| **69 oo** | 90490 | 47297 | 52703 | 43193 | **31 oo** |
| 10 | 90631 | 47471 | 52529 | 43160 | 90 |
| 20 | 90772 | 47645 | 52355 | 43127 | 80 |
| 30 | 90913 | 47819 | 52181 | 43094 | 70 |
| 40 | 91054 | 47993 | 52007 | 43061 | 60 |
| 50 | 91195 | 48167 | 51833 | 43028 | 50 |
| 60 | 91336 | 48341 | 51659 | 42995 | 40 |
| 70 | 91477 | 48515 | 51485 | 42962 | 30 |
| 80 | 91618 | 48689 | 51311 | 42929 | 20 |
| 90 | 91759 | 48863 | 51137 | 42896 | 10 |
| **70 oo** | 91900 | 49037 | 50963 | 42863 | **30 oo** |
| | **9.63** | **9.68** | **0.31** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 141 | 174 | 174 | 33 | |

| | 175 | 174 | 142 | 141 | 33 | 32 | |
|---|---|---|---|---|---|---|---|
| 1 | 17,5 | 17,4 | 14,2 | 14,1 | 3,3 | 3,2 | 1 |
| 2 | 35,0 | 34,8 | 28,4 | 28,2 | 6,6 | 6,4 | 2 |
| 3 | 52,5 | 52,2 | 42,6 | 42,3 | 9,9 | 9,6 | 3 |
| 4 | 70,0 | 69,6 | 56,8 | 56,4 | 13,2 | 12,8 | 4 |
| 5 | 87,5 | 87,0 | 71,0 | 70,5 | 16,5 | 16,0 | 5 |
| 6 | 105,0 | 104,4 | 85,2 | 84,6 | 19,8 | 19,2 | 6 |
| 7 | 122,5 | 121,8 | 99,4 | 98,7 | 23,1 | 22,4 | 7 |
| 8 | 140,0 | 139,2 | 113,6 | 112,8 | 26,4 | 25,6 | 8 |
| 9 | 157,5 | 156,6 | 127,8 | 126,9 | 29,7 | 28,8 | 9 |

| 28g | 141 | 174 | 174 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.63** | **9.68** | **0.31** | **9.95** | |
| **70 oo** | 91900 | 49037 | 50963 | 42863 | **30 oo** |
| 10 | 92041 | 49211 | 50789 | 42830 | 90 |
| 20 | 92182 | 49385 | 50615 | 42797 | 80 |
| 30 | 92323 | 49559 | 50441 | 42764 | 70 |
| 40 | 92464 | 49733 | 50267 | 42731 | 60 |
| 50 | 92605 | 49907 | 50093 | 42698 | 50 |
| 60 | 92745 | 50081 | 49919 | 42665 | 40 |
| 70 | 92886 | 50254 | 49746 | 42632 | 30 |
| 80 | 93027 | 50428 | 49572 | 42599 | 20 |
| 90 | 93168 | 50602 | 49398 | 42566 | 10 |
| **71 oo** | 93309 | 50776 | 49224 | 42533 | **29 oo** |
| 10 | 93450 | 50950 | 49050 | 42500 | 90 |
| 20 | 93591 | 51124 | 48876 | 42467 | 80 |
| 30 | 93732 | 51298 | 48702 | 42434 | 70 |
| 40 | 93872 | 51472 | 48528 | 42401 | 60 |
| 50 | 94013 | 51646 | 48354 | 42368 | 50 |
| 60 | 94154 | 51820 | 48180 | 42335 | 40 |
| 70 | 94295 | 51993 | 48007 | 42301 | 30 |
| 80 | 94436 | 52167 | 47833 | 42268 | 20 |
| 90 | 94577 | 52341 | 47659 | 42235 | 10 |
| **72 oo** | 94717 | 52515 | 47485 | 42202 | **28 oo** |
| 10 | 94858 | 52689 | 47311 | 42169 | 90 |
| 20 | 94999 | 52863 | 47137 | 42136 | 80 |
| 30 | 95140 | 53037 | 46963 | 42103 | 70 |
| 40 | 95281 | 53211 | 46789 | 42070 | 60 |
| 50 | 95421 | 53384 | 46616 | 42037 | 50 |
| 60 | 95562 | 53558 | 46442 | 42004 | 40 |
| 70 | 95703 | 53732 | 46268 | 41971 | 30 |
| 80 | 95844 | 53906 | 46094 | 41938 | 20 |
| 90 | 95985 | 54080 | 45920 | 41905 | 10 |
| **73 oo** | 96125 | 54254 | 45746 | 41872 | **27 oo** |
| 10 | 96266 | 54427 | 45573 | 41839 | 90 |
| 20 | 96407 | 54601 | 45399 | 41806 | 80 |
| 30 | 96548 | 54775 | 45225 | 41773 | 70 |
| 40 | 96688 | 54949 | 45051 | 41740 | 60 |
| 50 | 96829 | 55123 | 44877 | 41706 | 50 |
| 60 | 96970 | 55296 | 44704 | 41673 | 40 |
| 70 | 97110 | 55470 | 44530 | 41640 | 30 |
| 80 | 97251 | 55644 | 44356 | 41607 | 20 |
| 90 | 97392 | 55818 | 44182 | 41574 | 10 |
| **74 oo** | 97533 | 55992 | 44008 | 41541 | **26 oo** |
| 10 | 97673 | 56165 | 43835 | 41508 | 90 |
| 20 | 97814 | 56339 | 43661 | 41475 | 80 |
| 30 | 97955 | 56513 | 43487 | 41442 | 70 |
| 40 | 98095 | 56687 | 43313 | 41409 | 60 |
| 50 | 98236 | 56860 | 43140 | 41376 | 50 |
| 60 | 98377 | 57034 | 42966 | 41343 | 40 |
| 70 | 98517 | 57208 | 42792 | 41310 | 30 |
| 80 | 98658 | 57382 | 42618 | 41276 | 20 |
| 90 | 98799 | 57555 | 42445 | 41243 | 10 |
| **75 oo** | 98939 | 57729 | 42271 | 41210 | **25 oo** |
| | **9.63** | **9.68** | **0.31** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 140 | 173 | 173 | 34 | |

| 28g | 141 | 174 | 174 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.63** | **9.68** | **0.31** | **9.95** | |
| **75 oo** | ∗98939 | 57729 | 42271 | 41210 | **25 oo** |
| 10 | ∗99080 | 57903 | 42097 | 41177 | 90 |
| 20 | ∗99221 | 58077 | 41923 | 41144 | 80 |
| 30 | ∗99361 | 58250 | 41750 | 41111 | 70 |
| 40 | ∗99502 | 58424 | 41576 | 41078 | 60 |
| 50 | ∗99643 | 58598 | 41402 | 41045 | 50 |
| 60 | ∗99783 | 58771 | 41229 | 41012 | 40 |
| 70 | ∗99924 | 58945 | 41055 | 40979 | 30 |
| 80 | 00064 | 59119 | 40881 | 40946 | 20 |
| 90 | 00205 | 59293 | 40707 | 40912 | 10 |
| **76 oo** | 00346 | 59466 | 40534 | 40879 | **24 oo** |
| 10 | 00486 | 59640 | 40360 | 40846 | 90 |
| 20 | 00627 | 59814 | 40186 | 40813 | 80 |
| 30 | 00767 | 59987 | 40013 | 40780 | 70 |
| 40 | 00908 | 60161 | 39839 | 40747 | 60 |
| 50 | 01048 | 60335 | 39665 | 40714 | 50 |
| 60 | 01189 | 60508 | 39492 | 40681 | 40 |
| 70 | 01330 | 60682 | 39318 | 40648 | 30 |
| 80 | 01470 | 60856 | 39144 | 40614 | 20 |
| 90 | 01611 | 61029 | 38971 | 40581 | 10 |
| **77 oo** | 01751 | 61203 | 38797 | 40548 | **23 oo** |
| 10 | 01892 | 61377 | 38623 | 40515 | 90 |
| 20 | 02032 | 61550 | 38450 | 40482 | 80 |
| 30 | 02173 | 61724 | 38276 | 40449 | 70 |
| 40 | 02313 | 61898 | 38102 | 40416 | 60 |
| 50 | 02454 | 62071 | 37929 | 40383 | 50 |
| 60 | 02594 | 62245 | 37755 | 40350 | 40 |
| 70 | 02735 | 62418 | 37582 | 40316 | 30 |
| 80 | 02875 | 62592 | 37408 | 40283 | 20 |
| 90 | 03016 | 62766 | 37234 | 40250 | 10 |
| **78 oo** | 03156 | 62939 | 37061 | 40217 | **22 oo** |
| 10 | 03297 | 63113 | 36887 | 40184 | 90 |
| 20 | 03437 | 63286 | 36714 | 40151 | 80 |
| 30 | 03578 | 63460 | 36540 | 40118 | 70 |
| 40 | 03718 | 63634 | 36366 | 40084 | 60 |
| 50 | 03859 | 63807 | 36193 | 40051 | 50 |
| 60 | 03999 | 63981 | 36019 | 40018 | 40 |
| 70 | 04139 | 64154 | 35846 | 39985 | 30 |
| 80 | 04280 | 64328 | 35672 | 39952 | 20 |
| 90 | 04420 | 64502 | 35498 | 39919 | 10 |
| **79 oo** | 04561 | 64675 | 35325 | 39886 | **21 oo** |
| 10 | 04701 | 64849 | 35151 | 39853 | 90 |
| 20 | 04842 | 65022 | 34978 | 39819 | 80 |
| 30 | 04982 | 65196 | 34804 | 39786 | 70 |
| 40 | 05122 | 65369 | 34631 | 39753 | 60 |
| 50 | 05263 | 65543 | 34457 | 39720 | 50 |
| 60 | 05403 | 65716 | 34284 | 39687 | 40 |
| 70 | 05544 | 65890 | 34110 | 39654 | 30 |
| 80 | 05684 | 66063 | 33937 | 39620 | 20 |
| 90 | 05824 | 66237 | 33763 | 39587 | 10 |
| **80 oo** | 05965 | 66411 | 33589 | 39554 | **20 oo** |
| | **9.64** | **9.68** | **0.31** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 140 | 173 | 173 | 34 | |

| | 174 | 173 | 141 | 140 | 34 | 33 | |
|---|---|---|---|---|---|---|---|
| 1 | 17,4 | 17,3 | 14,1 | 14,0 | 3,4 | 3,3 | 1 |
| 2 | 34,8 | 34,6 | 28,2 | 28,0 | 6,8 | 6,6 | 2 |
| 3 | 52,2 | 51,9 | 42,3 | 42,0 | 10,2 | 9,9 | 3 |
| 4 | 69,6 | 69,2 | 56,4 | 56,0 | 13,6 | 13,2 | 4 |
| 5 | 87,0 | 86,5 | 70,5 | 70,0 | 17,0 | 16,5 | 5 |
| 6 | 104,4 | 103,8 | 84,6 | 84,0 | 20,4 | 19,8 | 6 |
| 7 | 121,8 | 121,1 | 98,7 | 98,0 | 23,8 | 23,1 | 7 |
| 8 | 139,2 | 138,4 | 112,8 | 112,0 | 27,2 | 26,4 | 8 |
| 9 | 156,6 | 155,7 | 126,9 | 126,0 | 30,6 | 29,7 | 9 |

| 28g | 141 | 174 | 174 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.68** | **0.31** | **9.95** | |
| **80 oo** | 05965 | 66411 | 33589 | 39554 | **20 oo** |
| 10 | 06105 | 66584 | 33416 | 39521 | 90 |
| 20 | 06245 | 66758 | 33242 | 39488 | 80 |
| 30 | 06386 | 66931 | 33069 | 39455 | 70 |
| 40 | 06526 | 67105 | 32895 | 39422 | 60 |
| 50 | 06666 | 67278 | 32722 | 39388 | 50 |
| 60 | 06807 | 67452 | 32548 | 39355 | 40 |
| 70 | 06947 | 67625 | 32375 | 39322 | 30 |
| 80 | 07087 | 67799 | 32201 | 39289 | 20 |
| 90 | 07228 | 67972 | 32028 | 39256 | 10 |
| **81 oo** | 07368 | 68146 | 31854 | 39223 | **19 oo** |
| 10 | 07508 | 68319 | 31681 | 39189 | 90 |
| 20 | 07649 | 68492 | 31508 | 39156 | 80 |
| 30 | 07789 | 68666 | 31334 | 39123 | 70 |
| 40 | 07929 | 68839 | 31161 | 39090 | 60 |
| 50 | 08070 | 69013 | 30987 | 39057 | 50 |
| 60 | 08210 | 69186 | 30814 | 39024 | 40 |
| 70 | 08350 | 69360 | 30640 | 38990 | 30 |
| 80 | 08490 | 69533 | 30467 | 38957 | 20 |
| 90 | 08631 | 69707 | 30293 | 38924 | 10 |
| **82 oo** | 08771 | 69880 | 30120 | 38891 | **18 oo** |
| 10 | 08911 | 70054 | 29946 | 38858 | 90 |
| 20 | 09051 | 70227 | 29773 | 38824 | 80 |
| 30 | 09192 | 70400 | 29600 | 38791 | 70 |
| 40 | 09332 | 70574 | 29426 | 38758 | 60 |
| 50 | 09472 | 70747 | 29253 | 38725 | 50 |
| 60 | 09612 | 70921 | 29079 | 38692 | 40 |
| 70 | 09753 | 71094 | 28906 | 38659 | 30 |
| 80 | 09893 | 71267 | 28733 | 38625 | 20 |
| 90 | 10033 | 71441 | 28559 | 38592 | 10 |
| **83 oo** | 10173 | 71614 | 28386 | 38559 | **17 oo** |
| 10 | 10313 | 71788 | 28212 | 38526 | 90 |
| 20 | 10454 | 71961 | 28039 | 38493 | 80 |
| 30 | 10594 | 72134 | 27866 | 38459 | 70 |
| 40 | 10734 | 72308 | 27692 | 38426 | 60 |
| 50 | 10874 | 72481 | 27519 | 38393 | 50 |
| 60 | 11014 | 72655 | 27345 | 38360 | 40 |
| 70 | 11154 | 72828 | 27172 | 38327 | 30 |
| 80 | 11295 | 73001 | 26999 | 38293 | 20 |
| 90 | 11435 | 73175 | 26825 | 38260 | 10 |
| **84 oo** | 11575 | 73348 | 26652 | 38227 | **16 oo** |
| 10 | 11715 | 73521 | 26479 | 38194 | 90 |
| 20 | 11855 | 73695 | 26305 | 38161 | 80 |
| 30 | 11995 | 73868 | 26132 | 38127 | 70 |
| 40 | 12135 | 74041 | 25959 | 38094 | 60 |
| 50 | 12276 | 74215 | 25785 | 38061 | 50 |
| 60 | 12416 | 74388 | 25612 | 38028 | 40 |
| 70 | 12556 | 74561 | 25439 | 37994 | 30 |
| 80 | 12696 | 74735 | 25265 | 37961 | 20 |
| 90 | 12836 | 74908 | 25092 | 37928 | 10 |
| **85 oo** | 12976 | 75081 | 24919 | 37895 | **15 oo** |
| | **9.64** | **9.68** | **0.31** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 140 | 173 | 173 | 34 | |

| 28g | 141 | 174 | 174 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.68** | **0.31** | **9.95** | |
| **85 oo** | 12976 | 75081 | 24919 | 37895 | **15 oo** |
| 10 | 13116 | 75255 | 24745 | 37862 | 90 |
| 20 | 13256 | 75428 | 24572 | 37828 | 80 |
| 30 | 13396 | 75601 | 24399 | 37795 | 70 |
| 40 | 13536 | 75774 | 24226 | 37762 | 60 |
| 50 | 13676 | 75948 | 24052 | 37729 | 50 |
| 60 | 13816 | 76121 | 23879 | 37695 | 40 |
| 70 | 13957 | 76294 | 23706 | 37662 | 30 |
| 80 | 14097 | 76468 | 23532 | 37629 | 20 |
| 90 | 14237 | 76641 | 23359 | 37596 | 10 |
| **86 oo** | 14377 | 76814 | 23186 | 37563 | **14 oo** |
| 10 | 14517 | 76987 | 23013 | 37529 | 90 |
| 20 | 14657 | 77161 | 22839 | 37496 | 80 |
| 30 | 14797 | 77334 | 22666 | 37463 | 70 |
| 40 | 14937 | 77507 | 22493 | 37430 | 60 |
| 50 | 15077 | 77680 | 22320 | 37396 | 50 |
| 60 | 15217 | 77854 | 22146 | 37363 | 40 |
| 70 | 15357 | 78027 | 21973 | 37330 | 30 |
| 80 | 15497 | 78200 | 21800 | 37297 | 20 |
| 90 | 15637 | 78373 | 21627 | 37263 | 10 |
| **87 oo** | 15777 | 78547 | 21453 | 37230 | **13 oo** |
| 10 | 15917 | 78720 | 21280 | 37197 | 90 |
| 20 | 16057 | 78893 | 21107 | 37164 | 80 |
| 30 | 16197 | 79066 | 20934 | 37130 | 70 |
| 40 | 16336 | 79239 | 20761 | 37097 | 60 |
| 50 | 16476 | 79413 | 20587 | 37064 | 50 |
| 60 | 16616 | 79586 | 20414 | 37031 | 40 |
| 70 | 16756 | 79759 | 20241 | 36997 | 30 |
| 80 | 16896 | 79932 | 20068 | 36964 | 20 |
| 90 | 17036 | 80105 | 19895 | 36931 | 10 |
| **88 oo** | 17176 | 80279 | 19721 | 36898 | **12 oo** |
| 10 | 17316 | 80452 | 19548 | 36864 | 90 |
| 20 | 17456 | 80625 | 19375 | 36831 | 80 |
| 30 | 17596 | 80798 | 19202 | 36798 | 70 |
| 40 | 17736 | 80971 | 19029 | 36765 | 60 |
| 50 | 17876 | 81144 | 18856 | 36731 | 50 |
| 60 | 18016 | 81318 | 18682 | 36698 | 40 |
| 70 | 18155 | 81491 | 18509 | 36665 | 30 |
| 80 | 18295 | 81664 | 18336 | 36631 | 20 |
| 90 | 18435 | 81837 | 18163 | 36598 | 10 |
| **89 oo** | 18575 | 82010 | 17990 | 36565 | **11 oo** |
| 10 | 18715 | 82183 | 17817 | 36532 | 90 |
| 20 | 18855 | 82356 | 17644 | 36498 | 80 |
| 30 | 18995 | 82530 | 17470 | 36465 | 70 |
| 40 | 19134 | 82703 | 17297 | 36432 | 60 |
| 50 | 19274 | 82876 | 17124 | 36399 | 50 |
| 60 | 19414 | 83049 | 16951 | 36365 | 40 |
| 70 | 19554 | 83222 | 16778 | 36332 | 30 |
| 80 | 19694 | 83395 | 16605 | 36299 | 20 |
| 90 | 19834 | 83568 | 16432 | 36265 | 10 |
| **90 oo** | 19973 | 83741 | 16259 | 36232 | **10 oo** |
| | **9.64** | **9.68** | **0.31** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **71g** |
| | 139 | 173 | 173 | 34 | |

| | 174 | 173 | 141 | 140 | 139 | 34 | 33 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,4 | 17,3 | 14,1 | 14,0 | 13,9 | 3,4 | 3,3 | 1 |
| 2 | 34,8 | 34,6 | 28,2 | 28,0 | 27,8 | 6,8 | 6,6 | 2 |
| 3 | 52,2 | 51,9 | 42,3 | 42,0 | 41,7 | 10,2 | 9,9 | 3 |
| 4 | 69,6 | 69,2 | 56,4 | 56,0 | 55,6 | 13,6 | 13,2 | 4 |
| 5 | 87,0 | 86,5 | 70,5 | 70,0 | 69,5 | 17,0 | 16,5 | 5 |
| 6 | 104,4 | 103,8 | 84,6 | 84,0 | 83,4 | 20,4 | 19,8 | 6 |
| 7 | 121,8 | 121,1 | 98,7 | 98,0 | 97,3 | 23,8 | 23,1 | 7 |
| 8 | 139,2 | 138,4 | 112,8 | 112,0 | 111,2 | 27,2 | 26,4 | 8 |
| 9 | 156,6 | 155,7 | 126,9 | 126,0 | 125,1 | 30,6 | 29,7 | 9 |

| 28g | 140 | 174 | 174 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.68** | **0.31** | **9.95** | |
| **90 oo** | 19973 | 83741 | 16259 | 36232 | **10 oo** |
| 10 | 20113 | 83914 | 16086 | 36199 | 90 |
| 20 | 20253 | 84087 | 15913 | 36166 | 80 |
| 30 | 20393 | 84261 | 15739 | 36132 | 70 |
| 40 | 20533 | 84434 | 15566 | 36099 | 60 |
| 50 | 20672 | 84607 | 15393 | 36066 | 50 |
| 60 | 20812 | 84780 | 15220 | 36032 | 40 |
| 70 | 20952 | 84953 | 15047 | 35999 | 30 |
| 80 | 21092 | 85126 | 14874 | 35966 | 20 |
| 90 | 21231 | 85299 | 14701 | 35932 | 10 |
| **91 oo** | 21371 | 85472 | 14528 | 35899 | **09 oo** |
| 10 | 21511 | 85645 | 14355 | 35866 | 90 |
| 20 | 21651 | 85818 | 14182 | 35833 | 80 |
| 30 | 21790 | 85991 | 14009 | 35799 | 70 |
| 40 | 21930 | 86164 | 13836 | 35766 | 60 |
| 50 | 22070 | 86337 | 13663 | 35733 | 50 |
| 60 | 22210 | 86510 | 13490 | 35699 | 40 |
| 70 | 22349 | 86683 | 13317 | 35666 | 30 |
| 80 | 22489 | 86856 | 13144 | 35633 | 20 |
| 90 | 22629 | 87029 | 12971 | 35599 | 10 |
| **92 oo** | 22768 | 87202 | 12798 | 35566 | **08 oo** |
| 10 | 22908 | 87375 | 12625 | 35533 | 90 |
| 20 | 23048 | 87548 | 12452 | 35499 | 80 |
| 30 | 23187 | 87721 | 12279 | 35466 | 70 |
| 40 | 23327 | 87894 | 12106 | 35433 | 60 |
| 50 | 23467 | 88067 | 11933 | 35399 | 50 |
| 60 | 23606 | 88240 | 11760 | 35366 | 40 |
| 70 | 23746 | 88413 | 11587 | 35333 | 30 |
| 80 | 23886 | 88586 | 11414 | 35300 | 20 |
| 90 | 24025 | 88759 | 11241 | 35266 | 10 |
| **93 oo** | 24165 | 88932 | 11068 | 35233 | **07 oo** |
| 10 | 24305 | 89105 | 10895 | 35200 | 90 |
| 20 | 24444 | 89278 | 10722 | 35166 | 80 |
| 30 | 24584 | 89451 | 10549 | 35133 | 70 |
| 40 | 24724 | 89624 | 10376 | 35100 | 60 |
| 50 | 24863 | 89797 | 10203 | 35066 | 50 |
| 60 | 25003 | 89970 | 10030 | 35033 | 40 |
| 70 | 25142 | 90143 | 09857 | 35000 | 30 |
| 80 | 25282 | 90316 | 09684 | 34966 | 20 |
| 90 | 25422 | 90489 | 09511 | 34933 | 10 |
| **94 oo** | 25561 | 90662 | 09338 | 34900 | **06 oo** |
| 10 | 25701 | 90835 | 09165 | 34866 | 90 |
| 20 | 25840 | 91008 | 08992 | 34833 | 80 |
| 30 | 25980 | 91180 | 08820 | 34800 | 70 |
| 40 | 26120 | 91353 | 08647 | 34766 | 60 |
| 50 | 26259 | 91526 | 08474 | 34733 | 50 |
| 60 | 26399 | 91699 | 08301 | 34699 | 40 |
| 70 | 26538 | 91872 | 08128 | 34666 | 30 |
| 80 | 26678 | 92045 | 07955 | 34633 | 20 |
| 90 | 26817 | 92218 | 07782 | 34599 | 10 |
| **95 oo** | 26957 | 92391 | 07609 | 34566 | **05 oo** |
| | **9.64** | **9.68** | **0.31** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 139 | 172 | 172 | 34 | **71g** |

| 28g | 140 | 173 | 173 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.68** | **0.31** | **9.95** | |
| **95 oo** | 26957 | 92391 | 07609 | 34566 | **05 oo** |
| 10 | 27096 | 92564 | 07436 | 34533 | 90 |
| 20 | 27236 | 92736 | 07264 | 34499 | 80 |
| 30 | 27375 | 92909 | 07091 | 34466 | 70 |
| 40 | 27515 | 93082 | 06918 | 34433 | 60 |
| 50 | 27654 | 93255 | 06745 | 34399 | 50 |
| 60 | 27794 | 93428 | 06572 | 34366 | 40 |
| 70 | 27933 | 93601 | 06399 | 34333 | 30 |
| 80 | 28073 | 93774 | 06226 | 34299 | 20 |
| 90 | 28212 | 93946 | 06054 | 34266 | 10 |
| **96 oo** | 28352 | 94119 | 05881 | 34232 | **04 oo** |
| 10 | 28491 | 94292 | 05708 | 34199 | 90 |
| 20 | 28631 | 94465 | 05535 | 34166 | 80 |
| 30 | 28770 | 94638 | 05362 | 34132 | 70 |
| 40 | 28910 | 94811 | 05189 | 34099 | 60 |
| 50 | 29049 | 94983 | 05017 | 34066 | 50 |
| 60 | 29189 | 95156 | 04844 | 34032 | 40 |
| 70 | 29328 | 95329 | 04671 | 33999 | 30 |
| 80 | 29467 | 95502 | 04498 | 33965 | 20 |
| 90 | 29607 | 95675 | 04325 | 33932 | 10 |
| **97 oo** | 29746 | 95848 | 04152 | 33899 | **03 oo** |
| 10 | 29886 | 96020 | 03980 | 33865 | 90 |
| 20 | 30025 | 96193 | 03807 | 33832 | 80 |
| 30 | 30164 | 96366 | 03634 | 33799 | 70 |
| 40 | 30304 | 96539 | 03461 | 33765 | 60 |
| 50 | 30443 | 96711 | 03289 | 33732 | 50 |
| 60 | 30583 | 96884 | 03116 | 33698 | 40 |
| 70 | 30722 | 97057 | 02943 | 33665 | 30 |
| 80 | 30861 | 97230 | 02770 | 33632 | 20 |
| 90 | 31001 | 97403 | 02597 | 33598 | 10 |
| **98 oo** | 31140 | 97575 | 02425 | 33565 | **02 oo** |
| 10 | 31280 | 97748 | 02252 | 33531 | 90 |
| 20 | 31419 | 97921 | 02079 | 33498 | 80 |
| 30 | 31558 | 98094 | 01906 | 33465 | 70 |
| 40 | 31698 | 98266 | 01734 | 33431 | 60 |
| 50 | 31837 | 98439 | 01561 | 33398 | 50 |
| 60 | 31976 | 98612 | 01388 | 33364 | 40 |
| 70 | 32116 | 98784 | 01216 | 33331 | 30 |
| 80 | 32255 | 98957 | 01043 | 33298 | 20 |
| 90 | 32394 | 99130 | 00870 | 33264 | 10 |
| **99 oo** | 32534 | 99303 | 00697 | 33231 | **01 oo** |
| 10 | 32673 | 99475 | 00525 | 33197 | 90 |
| 20 | 32812 | 99648 | 00352 | 33164 | 80 |
| 30 | 32951 | 99821 | 00179 | 33131 | 70 |
| 40 | 33091 | 99993 | 00007 | 33097 | 60 |
| 50 | 33230 | *00166 | *99834 | 33064 | 50 |
| 60 | 33369 | *00339 | *99661 | 33030 | 40 |
| 70 | 33509 | *00512 | *99488 | 32997 | 30 |
| 80 | 33648 | *00684 | *99316 | 32964 | 20 |
| 90 | 33787 | *00857 | *99143 | 32930 | 10 |
| **100 oo** | 33926 | *01030 | *98970 | 32897 | **00 oo** |
| | **9.64** | ***9.69** | ***0.30** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 139 | 172 | 172 | 34 | **71g** |

| | 174 | 173 | 172 | 140 | 139 | 34 | 33 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,4 | 17,3 | 17,2 | 14,0 | 13,9 | 3,4 | 3,3 | 1 |
| 2 | 34,8 | 34,6 | 34,4 | 28,0 | 27,8 | 6,8 | 6,6 | 2 |
| 3 | 52,2 | 51,9 | 51,6 | 42,0 | 41,7 | 10,2 | 9,9 | 3 |
| 4 | 69,6 | 69,2 | 68,8 | 56,0 | 55,6 | 13,6 | 13,2 | 4 |
| 5 | 87,0 | 86,5 | 86,0 | 70,0 | 69,5 | 17,0 | 16,5 | 5 |
| 6 | 104,4 | 103,8 | 103,2 | 84,0 | 83,4 | 20,4 | 19,8 | 6 |
| 7 | 121,8 | 121,1 | 120,4 | 98,0 | 97,3 | 23,8 | 23,1 | 7 |
| 8 | 139,2 | 138,4 | 137,6 | 112,0 | 111,2 | 27,2 | 26,4 | 8 |
| 9 | 156,6 | 155,7 | 154,8 | 126,0 | 125,1 | 30,6 | 29,7 | 9 |

| 29g | 140 | 173 | 173 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.69** | **0.30** | **9.95** | |
| **00 oo** | 33926 | 01030 | 98970 | 32897 | **100 oo** |
| 10 | 34066 | 01202 | 98798 | 32863 | 90 |
| 20 | 34205 | 01375 | 98625 | 32830 | 80 |
| 30 | 34344 | 01548 | 98452 | 32796 | 70 |
| 40 | 34483 | 01720 | 98280 | 32763 | 60 |
| 50 | 34623 | 01893 | 98107 | 32730 | 50 |
| 60 | 34762 | 02066 | 97934 | 32696 | 40 |
| 70 | 34901 | 02238 | 97762 | 32663 | 30 |
| 80 | 35040 | 02411 | 97589 | 32629 | 20 |
| 90 | 35179 | 02583 | 97417 | 32596 | 10 |
| **01 oo** | 35319 | 02756 | 97244 | 32562 | **99 oo** |
| 10 | 35458 | 02929 | 97071 | 32529 | 90 |
| 20 | 35597 | 03101 | 96899 | 32496 | 80 |
| 30 | 35736 | 03274 | 96726 | 32462 | 70 |
| 40 | 35875 | 03447 | 96553 | 32429 | 60 |
| 50 | 36014 | 03619 | 96381 | 32395 | 50 |
| 60 | 36154 | 03792 | 96208 | 32362 | 40 |
| 70 | 36293 | 03964 | 96036 | 32328 | 30 |
| 80 | 36432 | 04137 | 95863 | 32295 | 20 |
| 90 | 36571 | 04310 | 95690 | 32262 | 10 |
| **02 oo** | 36710 | 04482 | 95518 | 32228 | **98 oo** |
| 10 | 36849 | 04655 | 95345 | 32195 | 90 |
| 20 | 36989 | 04827 | 95173 | 32161 | 80 |
| 30 | 37128 | 05000 | 95000 | 32128 | 70 |
| 40 | 37267 | 05172 | 94828 | 32094 | 60 |
| 50 | 37406 | 05345 | 94655 | 32061 | 50 |
| 60 | 37545 | 05518 | 94482 | 32027 | 40 |
| 70 | 37684 | 05690 | 94310 | 31994 | 30 |
| 80 | 37823 | 05863 | 94137 | 31960 | 20 |
| 90 | 37962 | 06035 | 93965 | 31927 | 10 |
| **03 oo** | 38101 | 06208 | 93792 | 31894 | **97 oo** |
| 10 | 38240 | 06380 | 93620 | 31860 | 90 |
| 20 | 38380 | 06553 | 93447 | 31827 | 80 |
| 30 | 38519 | 06725 | 93275 | 31793 | 70 |
| 40 | 38658 | 06898 | 93102 | 31760 | 60 |
| 50 | 38797 | 07071 | 92929 | 31726 | 50 |
| 60 | 38936 | 07243 | 92757 | 31693 | 40 |
| 70 | 39075 | 07416 | 92584 | 31659 | 30 |
| 80 | 39214 | 07588 | 92412 | 31626 | 20 |
| 90 | 39353 | 07761 | 92239 | 31592 | 10 |
| **04 oo** | 39492 | 07933 | 92067 | 31559 | **96 oo** |
| 10 | 39631 | 08106 | 91894 | 31525 | 90 |
| 20 | 39770 | 08278 | 91722 | 31492 | 80 |
| 30 | 39909 | 08451 | 91549 | 31458 | 70 |
| 40 | 40048 | 08623 | 91377 | 31425 | 60 |
| 50 | 40187 | 08796 | 91204 | 31391 | 50 |
| 60 | 40326 | 08968 | 91032 | 31358 | 40 |
| 70 | 40465 | 09141 | 90859 | 31325 | 30 |
| 80 | 40604 | 09313 | 90687 | 31291 | 20 |
| 90 | 40743 | 09485 | 90515 | 31258 | 10 |
| **05 oo** | 40882 | 09658 | 90342 | 31224 | **95 oo** |
| | **9.64** | **9.69** | **0.30** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 139 | 172 | 172 | 34 | **70g** |

| 29g | 139 | 173 | 173 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.69** | **0.30** | **9.95** | |
| **05 oo** | 40882 | 09658 | 90342 | 31224 | **95 oo** |
| 10 | 41021 | 09830 | 90170 | 31191 | 90 |
| 20 | 41160 | 10003 | 89997 | 31157 | 80 |
| 30 | 41299 | 10175 | 89825 | 31124 | 70 |
| 40 | 41438 | 10348 | 89652 | 31090 | 60 |
| 50 | 41577 | 10520 | 89480 | 31057 | 50 |
| 60 | 41716 | 10693 | 89307 | 31023 | 40 |
| 70 | 41855 | 10865 | 89135 | 30990 | 30 |
| 80 | 41994 | 11037 | 88963 | 30956 | 20 |
| 90 | 42133 | 11210 | 88790 | 30923 | 10 |
| **06 oo** | 42271 | 11382 | 88618 | 30889 | **94 oo** |
| 10 | 42410 | 11555 | 88445 | 30856 | 90 |
| 20 | 42549 | 11727 | 88273 | 30822 | 80 |
| 30 | 42688 | 11900 | 88100 | 30789 | 70 |
| 40 | 42827 | 12072 | 87928 | 30755 | 60 |
| 50 | 42966 | 12244 | 87756 | 30722 | 50 |
| 60 | 43105 | 12417 | 87583 | 30688 | 40 |
| 70 | 43244 | 12589 | 87411 | 30655 | 30 |
| 80 | 43383 | 12762 | 87238 | 30621 | 20 |
| 90 | 43522 | 12934 | 87066 | 30588 | 10 |
| **07 oo** | 43660 | 13106 | 86894 | 30554 | **93 oo** |
| 10 | 43799 | 13279 | 86721 | 30521 | 90 |
| 20 | 43938 | 13451 | 86549 | 30487 | 80 |
| 30 | 44077 | 13623 | 86377 | 30454 | 70 |
| 40 | 44216 | 13796 | 86204 | 30420 | 60 |
| 50 | 44355 | 13968 | 86032 | 30386 | 50 |
| 60 | 44493 | 14141 | 85859 | 30353 | 40 |
| 70 | 44632 | 14313 | 85687 | 30319 | 30 |
| 80 | 44771 | 14485 | 85515 | 30286 | 20 |
| 90 | 44910 | 14658 | 85342 | 30252 | 10 |
| **08 oo** | 45049 | 14830 | 85170 | 30219 | **92 oo** |
| 10 | 45188 | 15002 | 84998 | 30185 | 90 |
| 20 | 45326 | 15175 | 84825 | 30152 | 80 |
| 30 | 45465 | 15347 | 84653 | 30118 | 70 |
| 40 | 45604 | 15519 | 84481 | 30085 | 60 |
| 50 | 45743 | 15692 | 84308 | 30051 | 50 |
| 60 | 45882 | 15864 | 84136 | 30018 | 40 |
| 70 | 46020 | 16036 | 83964 | 29984 | 30 |
| 80 | 46159 | 16208 | 83792 | 29951 | 20 |
| 90 | 46298 | 16381 | 83619 | 29917 | 10 |
| **09 oo** | 46437 | 16553 | 83447 | 29884 | **91 oo** |
| 10 | 46575 | 16725 | 83275 | 29850 | 90 |
| 20 | 46714 | 16898 | 83102 | 29816 | 80 |
| 30 | 46853 | 17070 | 82930 | 29783 | 70 |
| 40 | 46992 | 17242 | 82758 | 29749 | 60 |
| 50 | 47130 | 17414 | 82586 | 29716 | 50 |
| 60 | 47269 | 17587 | 82413 | 29682 | 40 |
| 70 | 47408 | 17759 | 82241 | 29649 | 30 |
| 80 | 47546 | 17931 | 82069 | 29615 | 20 |
| 90 | 47685 | 18104 | 81896 | 29582 | 10 |
| **10 oo** | 47824 | 18276 | 81724 | 29548 | **90 oo** |
| | **9.64** | **9.69** | **0.30** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 138 | 172 | 172 | 34 | **70g** |

| | 173 | 172 | 140 | 139 | 138 | 34 | 33 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,3 | 17,2 | 14,0 | 13,9 | 13,8 | 3,4 | 3,3 | 1 |
| 2 | 34,6 | 34,4 | 28,0 | 27,8 | 27,6 | 6,8 | 6,6 | 2 |
| 3 | 51,9 | 51,6 | 42,0 | 41,7 | 41,4 | 10,2 | 9,9 | 3 |
| 4 | 69,2 | 68,8 | 56,0 | 55,6 | 55,2 | 13,6 | 13,2 | 4 |
| 5 | 86,5 | 86,0 | 70,0 | 69,5 | 69,0 | 17,0 | 16,5 | 5 |
| 6 | 103,8 | 103,2 | 84,0 | 83,4 | 82,8 | 20,4 | 19,8 | 6 |
| 7 | 121,1 | 120,4 | 98,0 | 97,3 | 96,6 | 23,8 | 23,1 | 7 |
| 8 | 138,4 | 137,6 | 112,0 | 111,2 | 110,4 | 27,2 | 26,4 | 8 |
| 9 | 155,7 | 154,8 | 126,0 | 125,1 | 124,2 | 30,6 | 29,7 | 9 |

| 29g | 139 | 173 | 173 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.69** | **0.30** | **9.95** | |
| **10 oo** | 47824 | 18276 | 81724 | 29548 | **90 oo** |
| 10 | 47963 | 18448 | 81552 | 29515 | 90 |
| 20 | 48101 | 18620 | 81380 | 29481 | 80 |
| 30 | 48240 | 18793 | 81207 | 29447 | 70 |
| 40 | 48379 | 18965 | 81035 | 29414 | 60 |
| 50 | 48517 | 19137 | 80863 | 29380 | 50 |
| 60 | 48656 | 19309 | 80691 | 29347 | 40 |
| 70 | 48795 | 19481 | 80519 | 29313 | 30 |
| 80 | 48933 | 19654 | 80346 | 29280 | 20 |
| 90 | 49072 | 19826 | 80174 | 29246 | 10 |
| **11 oo** | 49211 | 19998 | 80002 | 29212 | **89 oo** |
| 10 | 49349 | 20170 | 79830 | 29179 | 90 |
| 20 | 49488 | 20343 | 79657 | 29145 | 80 |
| 30 | 49627 | 20515 | 79485 | 29112 | 70 |
| 40 | 49765 | 20687 | 79313 | 29078 | 60 |
| 50 | 49904 | 20859 | 79141 | 29045 | 50 |
| 60 | 50042 | 21031 | 78969 | 29011 | 40 |
| 70 | 50181 | 21204 | 78796 | 28977 | 30 |
| 80 | 50320 | 21376 | 78624 | 28944 | 20 |
| 90 | 50458 | 21548 | 78452 | 28910 | 10 |
| **12 oo** | 50597 | 21720 | 78280 | 28877 | **88 oo** |
| 10 | 50735 | 21892 | 78108 | 28843 | 90 |
| 20 | 50874 | 22064 | 77936 | 28810 | 80 |
| 30 | 51013 | 22237 | 77763 | 28776 | 70 |
| 40 | 51151 | 22409 | 77591 | 28742 | 60 |
| 50 | 51290 | 22581 | 77419 | 28709 | 50 |
| 60 | 51428 | 22753 | 77247 | 28675 | 40 |
| 70 | 51567 | 22925 | 77075 | 28642 | 30 |
| 80 | 51705 | 23097 | 76903 | 28608 | 20 |
| 90 | 51844 | 23269 | 76731 | 28574 | 10 |
| **13 oo** | 51982 | 23442 | 76558 | 28541 | **87 oo** |
| 10 | 52121 | 23614 | 76386 | 28507 | 90 |
| 20 | 52259 | 23786 | 76214 | 28474 | 80 |
| 30 | 52398 | 23958 | 76042 | 28440 | 70 |
| 40 | 52537 | 24130 | 75870 | 28407 | 60 |
| 50 | 52675 | 24302 | 75698 | 28373 | 50 |
| 60 | 52814 | 24474 | 75526 | 28339 | 40 |
| 70 | 52952 | 24646 | 75354 | 28306 | 30 |
| 80 | 53091 | 24818 | 75182 | 28272 | 20 |
| 90 | 53229 | 24991 | 75009 | 28238 | 10 |
| **14 oo** | 53367 | 25163 | 74837 | 28205 | **86 oo** |
| 10 | 53506 | 25335 | 74665 | 28171 | 90 |
| 20 | 53644 | 25507 | 74493 | 28138 | 80 |
| 30 | 53783 | 25679 | 74321 | 28104 | 70 |
| 40 | 53921 | 25851 | 74149 | 28070 | 60 |
| 50 | 54060 | 26023 | 73977 | 28037 | 50 |
| 60 | 54198 | 26195 | 73805 | 28003 | 40 |
| 70 | 54337 | 26367 | 73633 | 27970 | 30 |
| 80 | 54475 | 26539 | 73461 | 27936 | 20 |
| 90 | 54614 | 26711 | 73289 | 27902 | 10 |
| **15 oo** | 54752 | 26883 | 73117 | 27869 | **85 oo** |
| | **9.64** | **9.69** | **0.30** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 138 | 172 | 172 | 34 | |

| 29g | 139 | 172 | 172 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.69** | **0.30** | **9.95** | |
| **15 oo** | 54752 | 26883 | 73117 | 27869 | **85 oo** |
| 10 | 54890 | 27055 | 72945 | 27835 | 90 |
| 20 | 55029 | 27227 | 72773 | 27802 | 80 |
| 30 | 55167 | 27399 | 72601 | 27768 | 70 |
| 40 | 55306 | 27571 | 72429 | 27734 | 60 |
| 50 | 55444 | 27743 | 72257 | 27701 | 50 |
| 60 | 55582 | 27915 | 72085 | 27667 | 40 |
| 70 | 55721 | 28087 | 71913 | 27633 | 30 |
| 80 | 55859 | 28259 | 71741 | 27600 | 20 |
| 90 | 55998 | 28431 | 71569 | 27566 | 10 |
| **16 oo** | 56136 | 28603 | 71397 | 27532 | **84 oo** |
| 10 | 56274 | 28775 | 71225 | 27499 | 90 |
| 20 | 56413 | 28947 | 71053 | 27465 | 80 |
| 30 | 56551 | 29119 | 70881 | 27432 | 70 |
| 40 | 56689 | 29291 | 70709 | 27398 | 60 |
| 50 | 56828 | 29463 | 70537 | 27364 | 50 |
| 60 | 56966 | 29635 | 70365 | 27331 | 40 |
| 70 | 57104 | 29807 | 70193 | 27297 | 30 |
| 80 | 57243 | 29979 | 70021 | 27263 | 20 |
| 90 | 57381 | 30151 | 69849 | 27230 | 10 |
| **17 oo** | 57519 | 30323 | 69677 | 27196 | **83 oo** |
| 10 | 57658 | 30495 | 69505 | 27162 | 90 |
| 20 | 57796 | 30667 | 69333 | 27129 | 80 |
| 30 | 57934 | 30839 | 69161 | 27095 | 70 |
| 40 | 58073 | 31011 | 68989 | 27062 | 60 |
| 50 | 58211 | 31183 | 68817 | 27028 | 50 |
| 60 | 58349 | 31355 | 68645 | 26994 | 40 |
| 70 | 58488 | 31527 | 68473 | 26961 | 30 |
| 80 | 58626 | 31699 | 68301 | 26927 | 20 |
| 90 | 58764 | 31871 | 68129 | 26893 | 10 |
| **18 oo** | 58902 | 32043 | 67957 | 26860 | **82 oo** |
| 10 | 59041 | 32215 | 67785 | 26826 | 90 |
| 20 | 59179 | 32387 | 67613 | 26792 | 80 |
| 30 | 59317 | 32558 | 67442 | 26759 | 70 |
| 40 | 59455 | 32730 | 67270 | 26725 | 60 |
| 50 | 59594 | 32902 | 67098 | 26691 | 50 |
| 60 | 59732 | 33074 | 66926 | 26658 | 40 |
| 70 | 59870 | 33246 | 66754 | 26624 | 30 |
| 80 | 60008 | 33418 | 66582 | 26590 | 20 |
| 90 | 60146 | 33590 | 66410 | 26557 | 10 |
| **19 oo** | 60285 | 33762 | 66238 | 26523 | **81 oo** |
| 10 | 60423 | 33934 | 66066 | 26489 | 90 |
| 20 | 60561 | 34105 | 65895 | 26456 | 80 |
| 30 | 60699 | 34277 | 65723 | 26422 | 70 |
| 40 | 60837 | 34449 | 65551 | 26388 | 60 |
| 50 | 60976 | 34621 | 65379 | 26355 | 50 |
| 60 | 61114 | 34793 | 65207 | 26321 | 40 |
| 70 | 61252 | 34965 | 65035 | 26287 | 30 |
| 80 | 61390 | 35137 | 64863 | 26253 | 20 |
| 90 | 61528 | 35308 | 64692 | 26220 | 10 |
| **20 oo** | 61666 | 35480 | 64520 | 26186 | **80 oo** |
| | **9.64** | **9.69** | **0.30** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 138 | 171 | 171 | 34 | |

| | 173 | 172 | 171 | 139 | 138 | 34 | 33 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,3 | 17,2 | 17,1 | 13,9 | 13,8 | 3,4 | 3,3 | 1 |
| 2 | 34,6 | 34,4 | 34,2 | 27,8 | 27,6 | 6,8 | 6,6 | 2 |
| 3 | 51,9 | 51,6 | 51,3 | 41,7 | 41,4 | 10,2 | 9,9 | 3 |
| 4 | 69,2 | 68,8 | 68,4 | 55,6 | 55,2 | 13,6 | 13,2 | 4 |
| 5 | 86,5 | 86,0 | 85,5 | 69,5 | 69,0 | 17,0 | 16,5 | 5 |
| 6 | 103,8 | 103,2 | 102,6 | 83,4 | 82,8 | 20,4 | 19,8 | 6 |
| 7 | 121,1 | 120,4 | 119,7 | 97,3 | 96,6 | 23,8 | 23,1 | 7 |
| 8 | 138,4 | 137,6 | 136,8 | 111,2 | 110,4 | 27,2 | 26,4 | 8 |
| 9 | 155,7 | 154,8 | 153,9 | 125,1 | 124,2 | 30,6 | 29,7 | 9 |

| 29g | 139 | 172 | 172 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.69** | **0.30** | **9.95** | |
| **20 oo** | 61666 | 35480 | 64520 | 26186 | **80 oo** |
| 10 | 61805 | 35652 | 64348 | 26152 | 90 |
| 20 | 61943 | 35824 | 64176 | 26119 | 80 |
| 30 | 62081 | 35996 | 64004 | 26085 | 70 |
| 40 | 62219 | 36168 | 63832 | 26051 | 60 |
| 50 | 62357 | 36339 | 63661 | 26018 | 50 |
| 60 | 62495 | 36511 | 63489 | 25984 | 40 |
| 70 | 62633 | 36683 | 63317 | 25950 | 30 |
| 80 | 62771 | 36855 | 63145 | 25917 | 20 |
| 90 | 62910 | 37027 | 62973 | 25883 | 10 |
| **21 oo** | 63048 | 37198 | 62802 | 25849 | **79 oo** |
| 10 | 63186 | 37370 | 62630 | 25815 | 90 |
| 20 | 63324 | 37542 | 62458 | 25782 | 80 |
| 30 | 63462 | 37714 | 62286 | 25748 | 70 |
| 40 | 63600 | 37886 | 62114 | 25714 | 60 |
| 50 | 63738 | 38057 | 61943 | 25681 | 50 |
| 60 | 63876 | 38229 | 61771 | 25647 | 40 |
| 70 | 64014 | 38401 | 61599 | 25613 | 30 |
| 80 | 64152 | 38573 | 61427 | 25580 | 20 |
| 90 | 64290 | 38744 | 61256 | 25546 | 10 |
| **22 oo** | 64428 | 38916 | 61084 | 25512 | **78 oo** |
| 10 | 64566 | 39088 | 60912 | 25478 | 90 |
| 20 | 64704 | 39260 | 60740 | 25445 | 80 |
| 30 | 64842 | 39432 | 60568 | 25411 | 70 |
| 40 | 64981 | 39603 | 60397 | 25377 | 60 |
| 50 | 65119 | 39775 | 60225 | 25344 | 50 |
| 60 | 65257 | 39947 | 60053 | 25310 | 40 |
| 70 | 65395 | 40118 | 59882 | 25276 | 30 |
| 80 | 65533 | 40290 | 59710 | 25242 | 20 |
| 90 | 65671 | 40462 | 59538 | 25209 | 10 |
| **23 oo** | 65809 | 40634 | 59366 | 25175 | **77 oo** |
| 10 | 65947 | 40805 | 59195 | 25141 | 90 |
| 20 | 66084 | 40977 | 59023 | 25107 | 80 |
| 30 | 66222 | 41149 | 58851 | 25074 | 70 |
| 40 | 66360 | 41320 | 58680 | 25040 | 60 |
| 50 | 66498 | 41492 | 58508 | 25006 | 50 |
| 60 | 66636 | 41664 | 58336 | 24973 | 40 |
| 70 | 66774 | 41835 | 58165 | 24939 | 30 |
| 80 | 66912 | 42007 | 57993 | 24905 | 20 |
| 90 | 67050 | 42179 | 57821 | 24871 | 10 |
| **24 oo** | 67188 | 42351 | 57649 | 24838 | **76 oo** |
| 10 | 67326 | 42522 | 57478 | 24804 | 90 |
| 20 | 67464 | 42694 | 57306 | 24770 | 80 |
| 30 | 67602 | 42866 | 57134 | 24736 | 70 |
| 40 | 67740 | 43037 | 56963 | 24703 | 60 |
| 50 | 67878 | 43209 | 56791 | 24669 | 50 |
| 60 | 68016 | 43380 | 56620 | 24635 | 40 |
| 70 | 68154 | 43552 | 56448 | 24601 | 30 |
| 80 | 68291 | 43724 | 56276 | 24568 | 20 |
| 90 | 68429 | 43895 | 56105 | 24534 | 10 |
| **25 oo** | 68567 | 44067 | 55933 | 24500 | **75 oo** |
| | **9.64** | **9.69** | **0.30** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 137 | 171 | 171 | 34 | |

| 29g | 138 | 172 | 172 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.69** | **0.30** | **9.95** | |
| **25 oo** | 68567 | 44067 | 55933 | 24500 | **75 oo** |
| 10 | 68705 | 44239 | 55761 | 24466 | 90 |
| 20 | 68843 | 44410 | 55590 | 24433 | 80 |
| 30 | 68981 | 44582 | 55418 | 24399 | 70 |
| 40 | 69119 | 44754 | 55246 | 24365 | 60 |
| 50 | 69257 | 44925 | 55075 | 24331 | 50 |
| 60 | 69394 | 45097 | 54903 | 24298 | 40 |
| 70 | 69532 | 45268 | 54732 | 24264 | 30 |
| 80 | 69670 | 45440 | 54560 | 24230 | 20 |
| 90 | 69808 | 45612 | 54388 | 24196 | 10 |
| **26 oo** | 69946 | 45783 | 54217 | 24163 | **74 oo** |
| 10 | 70084 | 45955 | 54045 | 24129 | 90 |
| 20 | 70221 | 46126 | 53874 | 24095 | 80 |
| 30 | 70359 | 46298 | 53702 | 24061 | 70 |
| 40 | 70497 | 46469 | 53531 | 24027 | 60 |
| 50 | 70635 | 46641 | 53359 | 23994 | 50 |
| 60 | 70773 | 46813 | 53187 | 23960 | 40 |
| 70 | 70910 | 46984 | 53016 | 23926 | 30 |
| 80 | 71048 | 47156 | 52844 | 23892 | 20 |
| 90 | 71186 | 47327 | 52673 | 23859 | 10 |
| **27 oo** | 71324 | 47499 | 52501 | 23825 | **73 oo** |
| 10 | 71461 | 47670 | 52330 | 23791 | 90 |
| 20 | 71599 | 47842 | 52158 | 23757 | 80 |
| 30 | 71737 | 48013 | 51987 | 23723 | 70 |
| 40 | 71875 | 48185 | 51815 | 23690 | 60 |
| 50 | 72012 | 48357 | 51643 | 23656 | 50 |
| 60 | 72150 | 48528 | 51472 | 23622 | 40 |
| 70 | 72288 | 48700 | 51300 | 23588 | 30 |
| 80 | 72426 | 48871 | 51129 | 23555 | 20 |
| 90 | 72563 | 49043 | 50957 | 23521 | 10 |
| **28 oo** | 72701 | 49214 | 50786 | 23487 | **72 oo** |
| 10 | 72839 | 49386 | 50614 | 23453 | 90 |
| 20 | 72977 | 49557 | 50443 | 23419 | 80 |
| 30 | 73114 | 49729 | 50271 | 23386 | 70 |
| 40 | 73252 | 49900 | 50100 | 23352 | 60 |
| 50 | 73390 | 50072 | 49928 | 23318 | 50 |
| 60 | 73527 | 50243 | 49757 | 23284 | 40 |
| 70 | 73665 | 50415 | 49585 | 23250 | 30 |
| 80 | 73803 | 50586 | 49414 | 23217 | 20 |
| 90 | 73940 | 50758 | 49242 | 23183 | 10 |
| **29 oo** | 74078 | 50929 | 49071 | 23149 | **71 oo** |
| 10 | 74216 | 51101 | 48899 | 23115 | 90 |
| 20 | 74353 | 51272 | 48728 | 23081 | 80 |
| 30 | 74491 | 51443 | 48557 | 23048 | 70 |
| 40 | 74629 | 51615 | 48385 | 23014 | 60 |
| 50 | 74766 | 51786 | 48214 | 22980 | 50 |
| 60 | 74904 | 51958 | 48042 | 22946 | 40 |
| 70 | 75041 | 52129 | 47871 | 22912 | 30 |
| 80 | 75179 | 52301 | 47699 | 22878 | 20 |
| 90 | 75317 | 52472 | 47528 | 22845 | 10 |
| **30 oo** | 75454 | 52644 | 47356 | 22811 | **70 oo** |
| | **9.64** | **9.69** | **0.30** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 137 | 171 | 171 | 34 | |

| | 172 | 171 | 139 | 138 | 137 | 34 | 33 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,2 | 17,1 | 13,9 | 13,8 | 13,7 | 3,4 | 3,3 | 1 |
| 2 | 34,4 | 34,2 | 27,8 | 27,6 | 27,4 | 6,8 | 6,6 | 2 |
| 3 | 51,6 | 51,3 | 41,7 | 41,4 | 41,1 | 10,2 | 9,9 | 3 |
| 4 | 68,8 | 68,4 | 55,6 | 55,2 | 54,8 | 13,6 | 13,2 | 4 |
| 5 | 86,0 | 85,5 | 69,5 | 69,0 | 68,5 | 17,0 | 16,5 | 5 |
| 6 | 103,2 | 102,6 | 83,4 | 82,8 | 82,2 | 20,4 | 19,8 | 6 |
| 7 | 120,4 | 119,7 | 97,3 | 96,6 | 95,9 | 23,8 | 23,1 | 7 |
| 8 | 137,6 | 136,8 | 111,2 | 110,4 | 109,6 | 27,2 | 26,4 | 8 |
| 9 | 154,8 | 153,9 | 125,1 | 124,2 | 123,3 | 30,6 | 29,7 | 9 |

| 29g | 138 | 172 | 172 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.69** | **0.30** | **9.95** | |
| **30 oo** | 75454 | 52644 | 47356 | 22811 | **70 oo** |
| 10 | 75592 | 52815 | 47185 | 22777 | 90 |
| 20 | 75730 | 52986 | 47014 | 22743 | 80 |
| 30 | 75867 | 53158 | 46842 | 22709 | 70 |
| 40 | 76005 | 53329 | 46671 | 22676 | 60 |
| 50 | 76142 | 53501 | 46499 | 22642 | 50 |
| 60 | 76280 | 53672 | 46328 | 22608 | 40 |
| 70 | 76417 | 53843 | 46157 | 22574 | 30 |
| 80 | 76555 | 54015 | 45985 | 22540 | 20 |
| 90 | 76693 | 54186 | 45814 | 22506 | 10 |
| **31 oo** | 76830 | 54358 | 45642 | 22473 | **69 oo** |
| 10 | 76968 | 54529 | 45471 | 22439 | 90 |
| 20 | 77105 | 54700 | 45300 | 22405 | 80 |
| 30 | 77243 | 54872 | 45128 | 22371 | 70 |
| 40 | 77380 | 55043 | 44957 | 22337 | 60 |
| 50 | 77518 | 55214 | 44786 | 22303 | 50 |
| 60 | 77655 | 55386 | 44614 | 22270 | 40 |
| 70 | 77793 | 55557 | 44443 | 22236 | 30 |
| 80 | 77930 | 55729 | 44271 | 22202 | 20 |
| 90 | 78068 | 55900 | 44100 | 22168 | 10 |
| **32 oo** | 78205 | 56071 | 43929 | 22134 | **68 oo** |
| 10 | 78343 | 56243 | 43757 | 22100 | 90 |
| 20 | 78480 | 56414 | 43586 | 22066 | 80 |
| 30 | 78618 | 56585 | 43415 | 22033 | 70 |
| 40 | 78755 | 56757 | 43243 | 21999 | 60 |
| 50 | 78893 | 56928 | 43072 | 21965 | 50 |
| 60 | 79030 | 57099 | 42901 | 21931 | 40 |
| 70 | 79168 | 57271 | 42729 | 21897 | 30 |
| 80 | 79305 | 57442 | 42558 | 21863 | 20 |
| 90 | 79443 | 57613 | 42387 | 21829 | 10 |
| **33 oo** | 79580 | 57784 | 42216 | 21796 | **67 oo** |
| 10 | 79718 | 57956 | 42044 | 21762 | 90 |
| 20 | 79855 | 58127 | 41873 | 21728 | 80 |
| 30 | 79992 | 58298 | 41702 | 21694 | 70 |
| 40 | 80130 | 58470 | 41530 | 21660 | 60 |
| 50 | 80267 | 58641 | 41359 | 21626 | 50 |
| 60 | 80405 | 58812 | 41188 | 21592 | 40 |
| 70 | 80542 | 58983 | 41017 | 21559 | 30 |
| 80 | 80679 | 59155 | 40845 | 21525 | 20 |
| 90 | 80817 | 59326 | 40674 | 21491 | 10 |
| **34 oo** | 80954 | 59497 | 40503 | 21457 | **66 oo** |
| 10 | 81092 | 59669 | 40331 | 21423 | 90 |
| 20 | 81229 | 59840 | 40160 | 21389 | 80 |
| 30 | 81366 | 60011 | 39989 | 21355 | 70 |
| 40 | 81504 | 60182 | 39818 | 21321 | 60 |
| 50 | 81641 | 60354 | 39646 | 21288 | 50 |
| 60 | 81779 | 60525 | 39475 | 21254 | 40 |
| 70 | 81916 | 60696 | 39304 | 21220 | 30 |
| 80 | 82053 | 60867 | 39133 | 21186 | 20 |
| 90 | 82191 | 61038 | 38962 | 21152 | 10 |
| **35 oo** | 82328 | 61210 | 38790 | 21118 | **65 oo** |
| | **9.64** | **9.69** | **0.30** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 137 | 171 | 171 | 34 | |

| 29g | 138 | 172 | 172 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.69** | **0.30** | **9.95** | |
| **35 oo** | 82328 | 61210 | 38790 | 21118 | **65 oo** |
| 10 | 82465 | 61381 | 38619 | 21084 | 90 |
| 20 | 82603 | 61552 | 38448 | 21050 | 80 |
| 30 | 82740 | 61723 | 38277 | 21017 | 70 |
| 40 | 82877 | 61895 | 38105 | 20983 | 60 |
| 50 | 83014 | 62066 | 37934 | 20949 | 50 |
| 60 | 83152 | 62237 | 37763 | 20915 | 40 |
| 70 | 83289 | 62408 | 37592 | 20881 | 30 |
| 80 | 83426 | 62579 | 37421 | 20847 | 20 |
| 90 | 83564 | 62751 | 37249 | 20813 | 10 |
| **36 oo** | 83701 | 62922 | 37078 | 20779 | **64 oo** |
| 10 | 83838 | 63093 | 36907 | 20745 | 90 |
| 20 | 83976 | 63264 | 36736 | 20711 | 80 |
| 30 | 84113 | 63435 | 36565 | 20678 | 70 |
| 40 | 84250 | 63606 | 36394 | 20644 | 60 |
| 50 | 84387 | 63778 | 36222 | 20610 | 50 |
| 60 | 84525 | 63949 | 36051 | 20576 | 40 |
| 70 | 84662 | 64120 | 35880 | 20542 | 30 |
| 80 | 84799 | 64291 | 35709 | 20508 | 20 |
| 90 | 84936 | 64462 | 35538 | 20474 | 10 |
| **37 oo** | 85074 | 64633 | 35367 | 20440 | **63 oo** |
| 10 | 85211 | 64804 | 35196 | 20406 | 90 |
| 20 | 85348 | 64976 | 35024 | 20372 | 80 |
| 30 | 85485 | 65147 | 34853 | 20338 | 70 |
| 40 | 85622 | 65318 | 34682 | 20305 | 60 |
| 50 | 85760 | 65489 | 34511 | 20271 | 50 |
| 60 | 85897 | 65660 | 34340 | 20237 | 40 |
| 70 | 86034 | 65831 | 34169 | 20203 | 30 |
| 80 | 86171 | 66002 | 33998 | 20169 | 20 |
| 90 | 86308 | 66173 | 33827 | 20135 | 10 |
| **38 oo** | 86446 | 66345 | 33655 | 20101 | **62 oo** |
| 10 | 86583 | 66516 | 33484 | 20067 | 90 |
| 20 | 86720 | 66687 | 33313 | 20033 | 80 |
| 30 | 86857 | 66858 | 33142 | 19999 | 70 |
| 40 | 86994 | 67029 | 32971 | 19965 | 60 |
| 50 | 87131 | 67200 | 32800 | 19931 | 50 |
| 60 | 87268 | 67371 | 32629 | 19897 | 40 |
| 70 | 87406 | 67542 | 32458 | 19863 | 30 |
| 80 | 87543 | 67713 | 32287 | 19830 | 20 |
| 90 | 87680 | 67884 | 32116 | 19796 | 10 |
| **39 oo** | 87817 | 68055 | 31945 | 19762 | **61 oo** |
| 10 | 87954 | 68226 | 31774 | 19728 | 90 |
| 20 | 88091 | 68397 | 31603 | 19694 | 80 |
| 30 | 88228 | 68568 | 31432 | 19660 | 70 |
| 40 | 88365 | 68740 | 31260 | 19626 | 60 |
| 50 | 88503 | 68911 | 31089 | 19592 | 50 |
| 60 | 88640 | 69082 | 30918 | 19558 | 40 |
| 70 | 88777 | 69253 | 30747 | 19524 | 30 |
| 80 | 88914 | 69424 | 30576 | 19490 | 20 |
| 90 | 89051 | 69595 | 30405 | 19456 | 10 |
| **40 oo** | 89188 | 69766 | 30234 | 19422 | **60 oo** |
| | **9.64** | **9.69** | **0.30** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 137 | 171 | 171 | 34 | |

| | 172 | 171 | 138 | 137 | 34 | 33 | |
|---|---|---|---|---|---|---|---|
| 1 | 17,2 | 17,1 | 13,8 | 13,7 | 3,4 | 3,3 | 1 |
| 2 | 34,4 | 34,2 | 27,6 | 27,4 | 6,8 | 6,6 | 2 |
| 3 | 51,6 | 51,3 | 41,4 | 41,1 | 10,2 | 9,9 | 3 |
| 4 | 68,8 | 68,4 | 55,2 | 54,8 | 13,6 | 13,2 | 4 |
| 5 | 86,0 | 85,5 | 69,0 | 68,5 | 17,0 | 16,5 | 5 |
| 6 | 103,2 | 102,6 | 82,8 | 82,2 | 20,4 | 19,8 | 6 |
| 7 | 120,4 | 119,7 | 96,6 | 95,9 | 23,8 | 23,1 | 7 |
| 8 | 137,6 | 136,8 | 110,4 | 109,6 | 27,2 | 26,4 | 8 |
| 9 | 154,8 | 153,9 | 124,2 | 123,3 | 30,6 | 29,7 | 9 |

| **29g** | 137 | 171 | 171 | 33 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.69** | **0.30** | **9.95** | |
| **40 oo** | 89188 | 69766 | 30234 | 19422 | **60 oo** |
| 10 | 89325 | 69937 | 30063 | 19388 | 90 |
| 20 | 89462 | 70108 | 29892 | 19354 | 80 |
| 30 | 89599 | 70279 | 29721 | 19320 | 70 |
| 40 | 89736 | 70450 | 29550 | 19286 | 60 |
| 50 | 89873 | 70621 | 29379 | 19252 | 50 |
| 60 | 90010 | 70792 | 29208 | 19218 | 40 |
| 70 | 90147 | 70963 | 29037 | 19184 | 30 |
| 80 | 90284 | 71134 | 28866 | 19151 | 20 |
| 90 | 90421 | 71305 | 28695 | 19117 | 10 |
| **41 oo** | 90558 | 71476 | 28524 | 19083 | **59 oo** |
| 10 | 90695 | 71647 | 28353 | 19049 | 90 |
| 20 | 90832 | 71818 | 28182 | 19015 | 80 |
| 30 | 90969 | 71989 | 28011 | 18981 | 70 |
| 40 | 91106 | 72160 | 27840 | 18947 | 60 |
| 50 | 91243 | 72331 | 27669 | 18913 | 50 |
| 60 | 91380 | 72501 | 27499 | 18879 | 40 |
| 70 | 91517 | 72672 | 27328 | 18845 | 30 |
| 80 | 91654 | 72843 | 27157 | 18811 | 20 |
| 90 | 91791 | 73014 | 26986 | 18777 | 10 |
| **42 oo** | 91928 | 73185 | 26815 | 18743 | **58 oo** |
| 10 | 92065 | 73356 | 26644 | 18709 | 90 |
| 20 | 92202 | 73527 | 26473 | 18675 | 80 |
| 30 | 92339 | 73698 | 26302 | 18641 | 70 |
| 40 | 92476 | 73869 | 26131 | 18607 | 60 |
| 50 | 92613 | 74040 | 25960 | 18573 | 50 |
| 60 | 92750 | 74211 | 25789 | 18539 | 40 |
| 70 | 92887 | 74382 | 25618 | 18505 | 30 |
| 80 | 93024 | 74553 | 25447 | 18471 | 20 |
| 90 | 93161 | 74724 | 25276 | 18437 | 10 |
| **43 oo** | 93297 | 74894 | 25106 | 18403 | **57 oo** |
| 10 | 93434 | 75065 | 24935 | 18369 | 90 |
| 20 | 93571 | 75236 | 24764 | 18335 | 80 |
| 30 | 93708 | 75407 | 24593 | 18301 | 70 |
| 40 | 93845 | 75578 | 24422 | 18267 | 60 |
| 50 | 93982 | 75749 | 24251 | 18233 | 50 |
| 60 | 94119 | 75920 | 24080 | 18199 | 40 |
| 70 | 94256 | 76091 | 23909 | 18165 | 30 |
| 80 | 94392 | 76261 | 23739 | 18131 | 20 |
| 90 | 94529 | 76432 | 23568 | 18097 | 10 |
| **44 oo** | 94666 | 76603 | 23397 | 18063 | **56 oo** |
| 10 | 94803 | 76774 | 23226 | 18029 | 90 |
| 20 | 94940 | 76945 | 23055 | 17995 | 80 |
| 30 | 95077 | 77116 | 22884 | 17961 | 70 |
| 40 | 95214 | 77287 | 22713 | 17927 | 60 |
| 50 | 95350 | 77457 | 22543 | 17893 | 50 |
| 60 | 95487 | 77628 | 22372 | 17859 | 40 |
| 70 | 95624 | 77799 | 22201 | 17825 | 30 |
| 80 | 95761 | 77970 | 22030 | 17791 | 20 |
| 90 | 95898 | 78141 | 21859 | 17757 | 10 |
| **45 oo** | 96034 | 78312 | 21688 | 17723 | **55 oo** |
| | **9.64** | **9.69** | **0.30** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 136 | 170 | 170 | 34 | |

| **29g** | 137 | 171 | 171 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.64** | **9.69** | **0.30** | **9.95** | |
| **45 oo** | 96034 | 78312 | 21688 | 17723 | **55 oo** |
| 10 | 96171 | 78482 | 21518 | 17689 | 90 |
| 20 | 96308 | 78653 | 21347 | 17655 | 80 |
| 30 | 96445 | 78824 | 21176 | 17621 | 70 |
| 40 | 96582 | 78995 | 21005 | 17587 | 60 |
| 50 | 96718 | 79166 | 20834 | 17553 | 50 |
| 60 | 96855 | 79336 | 20664 | 17519 | 40 |
| 70 | 96992 | 79507 | 20493 | 17485 | 30 |
| 80 | 97129 | 79678 | 20322 | 17451 | 20 |
| 90 | 97265 | 79849 | 20151 | 17417 | 10 |
| **46 oo** | 97402 | 80020 | 19980 | 17383 | **54 oo** |
| 10 | 97539 | 80190 | 19810 | 17349 | 90 |
| 20 | 97676 | 80361 | 19639 | 17315 | 80 |
| 30 | 97812 | 80532 | 19468 | 17280 | 70 |
| 40 | 97949 | 80703 | 19297 | 17246 | 60 |
| 50 | 98086 | 80873 | 19127 | 17212 | 50 |
| 60 | 98222 | 81044 | 18956 | 17178 | 40 |
| 70 | 98359 | 81215 | 18785 | 17144 | 30 |
| 80 | 98496 | 81386 | 18614 | 17110 | 20 |
| 90 | 98633 | 81556 | 18444 | 17076 | 10 |
| **47 oo** | 98769 | 81727 | 18273 | 17042 | **53 oo** |
| 10 | 98906 | 81898 | 18102 | 17008 | 90 |
| 20 | 99043 | 82069 | 17931 | 16974 | 80 |
| 30 | 99179 | 82239 | 17761 | 16940 | 70 |
| 40 | 99316 | 82410 | 17590 | 16906 | 60 |
| 50 | 99453 | 82581 | 17419 | 16872 | 50 |
| 60 | 99589 | 82751 | 17249 | 16838 | 40 |
| 70 | 99726 | 82922 | 17078 | 16804 | 30 |
| 80 | 99863 | 83093 | 16907 | 16770 | 20 |
| 90 | 99999 | 83264 | 16736 | 16736 | 10 |
| **48 oo** | ∗00136 | 83434 | 16566 | 16702 | **52 oo** |
| 10 | ∗00273 | 83605 | 16395 | 16668 | 90 |
| 20 | ∗00409 | 83776 | 16224 | 16634 | 80 |
| 30 | ∗00546 | 83946 | 16054 | 16599 | 70 |
| 40 | ∗00682 | 84117 | 15883 | 16565 | 60 |
| 50 | ∗00819 | 84288 | 15712 | 16531 | 50 |
| 60 | ∗00956 | 84458 | 15542 | 16497 | 40 |
| 70 | ∗01092 | 84629 | 15371 | 16463 | 30 |
| 80 | ∗01229 | 84800 | 15200 | 16429 | 20 |
| 90 | ∗01365 | 84970 | 15030 | 16395 | 10 |
| **49 oo** | ∗01502 | 85141 | 14859 | 16361 | **51 oo** |
| 10 | ∗01639 | 85312 | 14688 | 16327 | 90 |
| 20 | ∗01775 | 85482 | 14518 | 16293 | 80 |
| 30 | ∗01912 | 85653 | 14347 | 16259 | 70 |
| 40 | ∗02048 | 85824 | 14176 | 16225 | 60 |
| 50 | ∗02185 | 85994 | 14006 | 16191 | 50 |
| 60 | ∗02321 | 86165 | 13835 | 16157 | 40 |
| 70 | ∗02458 | 86335 | 13665 | 16122 | 30 |
| 80 | ∗02594 | 86506 | 13494 | 16088 | 20 |
| 90 | ∗02731 | 86677 | 13323 | 16054 | 10 |
| **50 oo** | ∗02868 | 86847 | 13153 | 16020 | **50 oo** |
| | ∗**9.65** | **9.69** | **0.30** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 136 | 170 | 170 | 35 | |

| | 171 | 170 | 137 | 136 | 35 | 34 | 33 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,1 | 17,0 | 13,7 | 13,6 | 3,5 | 3,4 | 3,3 | 1 |
| 2 | 34,2 | 34,0 | 27,4 | 27,2 | 7,0 | 6,8 | 6,6 | 2 |
| 3 | 51,3 | 51,0 | 41,1 | 40,8 | 10,5 | 10,2 | 9,9 | 3 |
| 4 | 68,4 | 68,0 | 54,8 | 54,4 | 14,0 | 13,6 | 13,2 | 4 |
| 5 | 85,5 | 85,0 | 68,5 | 68,0 | 17,5 | 17,0 | 16,5 | 5 |
| 6 | 102,6 | 102,0 | 82,2 | 81,6 | 21,0 | 20,4 | 19,8 | 6 |
| 7 | 119,7 | 119,0 | 95,9 | 95,2 | 24,5 | 23,8 | 23,1 | 7 |
| 8 | 136,8 | 136,0 | 109,6 | 108,8 | 28,0 | 27,2 | 26,4 | 8 |
| 9 | 153,9 | 153,0 | 123,3 | 122,4 | 31,5 | 30,6 | 29,7 | 9 |

| **29g** | 137 | 171 | 171 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.69** | **0.30** | **9.95** | |
| **50 oo** | 02868 | 86847 | 13153 | 16020 | **50 oo** |
| 10 | 03004 | 87018 | 12982 | 15986 | 90 |
| 20 | 03141 | 87189 | 12811 | 15952 | 80 |
| 30 | 03277 | 87359 | 12641 | 15918 | 70 |
| 40 | 03414 | 87530 | 12470 | 15884 | 60 |
| 50 | 03550 | 87700 | 12300 | 15850 | 50 |
| 60 | 03687 | 87871 | 12129 | 15816 | 40 |
| 70 | 03823 | 88042 | 11958 | 15782 | 30 |
| 80 | 03960 | 88212 | 11788 | 15747 | 20 |
| 90 | 04096 | 88383 | 11617 | 15713 | 10 |
| **51 oo** | 04233 | 88553 | 11447 | 15679 | **49 oo** |
| 10 | 04369 | 88724 | 11276 | 15645 | 90 |
| 20 | 04505 | 88894 | 11106 | 15611 | 80 |
| 30 | 04642 | 89065 | 10935 | 15577 | 70 |
| 40 | 04778 | 89236 | 10764 | 15543 | 60 |
| 50 | 04915 | 89406 | 10594 | 15509 | 50 |
| 60 | 05051 | 89577 | 10423 | 15475 | 40 |
| 70 | 05188 | 89747 | 10253 | 15441 | 30 |
| 80 | 05324 | 89918 | 10082 | 15406 | 20 |
| 90 | 05461 | 90088 | 09912 | 15372 | 10 |
| **52 oo** | 05597 | 90259 | 09741 | 15338 | **48 oo** |
| 10 | 05733 | 90429 | 09571 | 15304 | 90 |
| 20 | 05870 | 90600 | 09400 | 15270 | 80 |
| 30 | 06006 | 90770 | 09230 | 15236 | 70 |
| 40 | 06143 | 90941 | 09059 | 15202 | 60 |
| 50 | 06279 | 91111 | 08889 | 15168 | 50 |
| 60 | 06415 | 91282 | 08718 | 15133 | 40 |
| 70 | 06552 | 91452 | 08548 | 15099 | 30 |
| 80 | 06688 | 91623 | 08377 | 15065 | 20 |
| 90 | 06825 | 91793 | 08207 | 15031 | 10 |
| **53 oo** | 06961 | 91964 | 08036 | 14997 | **47 oo** |
| 10 | 07097 | 92134 | 07866 | 14963 | 90 |
| 20 | 07234 | 92305 | 07695 | 14929 | 80 |
| 30 | 07370 | 92475 | 07525 | 14895 | 70 |
| 40 | 07506 | 92646 | 07354 | 14860 | 60 |
| 50 | 07643 | 92816 | 07184 | 14826 | 50 |
| 60 | 07779 | 92987 | 07013 | 14792 | 40 |
| 70 | 07915 | 93157 | 06843 | 14758 | 30 |
| 80 | 08052 | 93328 | 06672 | 14724 | 20 |
| 90 | 08188 | 93498 | 06502 | 14690 | 10 |
| **54 oo** | 08324 | 93669 | 06331 | 14656 | **46 oo** |
| 10 | 08461 | 93839 | 06161 | 14621 | 90 |
| 20 | 08597 | 94010 | 05990 | 14587 | 80 |
| 30 | 08733 | 94180 | 05820 | 14553 | 70 |
| 40 | 08870 | 94350 | 05650 | 14519 | 60 |
| 50 | 09006 | 94521 | 05479 | 14485 | 50 |
| 60 | 09142 | 94691 | 05309 | 14451 | 40 |
| 70 | 09278 | 94862 | 05138 | 14417 | 30 |
| 80 | 09415 | 95032 | 04968 | 14382 | 20 |
| 90 | 09551 | 95203 | 04797 | 14348 | 10 |
| **55 oo** | 09687 | 95373 | 04627 | 14314 | **45 oo** |
| | **9.65** | **9.69** | **0.30** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 136 | 170 | 170 | 35 | |

| **29g** | 137 | 171 | 171 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.69** | **0.30** | **9.95** | |
| **55 oo** | 09687 | 95373 | 04627 | 14314 | **45 oo** |
| 10 | 09823 | 95543 | 04457 | 14280 | 90 |
| 20 | 09960 | 95714 | 04286 | 14246 | 80 |
| 30 | 10096 | 95884 | 04116 | 14212 | 70 |
| 40 | 10232 | 96055 | 03945 | 14178 | 60 |
| 50 | 10368 | 96225 | 03775 | 14143 | 50 |
| 60 | 10505 | 96395 | 03605 | 14109 | 40 |
| 70 | 10641 | 96566 | 03434 | 14075 | 30 |
| 80 | 10777 | 96736 | 03264 | 14041 | 20 |
| 90 | 10913 | 96907 | 03093 | 14007 | 10 |
| **56 oo** | 11050 | 97077 | 02923 | 13973 | **44 oo** |
| 10 | 11186 | 97247 | 02753 | 13938 | 90 |
| 20 | 11322 | 97418 | 02582 | 13904 | 80 |
| 30 | 11458 | 97588 | 02412 | 13870 | 70 |
| 40 | 11594 | 97758 | 02242 | 13836 | 60 |
| 50 | 11730 | 97929 | 02071 | 13802 | 50 |
| 60 | 11867 | 98099 | 01901 | 13768 | 40 |
| 70 | 12003 | 98269 | 01731 | 13733 | 30 |
| 80 | 12139 | 98440 | 01560 | 13699 | 20 |
| 90 | 12275 | 98610 | 01390 | 13665 | 10 |
| **57 oo** | 12411 | 98780 | 01220 | 13631 | **43 oo** |
| 10 | 12547 | 98951 | 01049 | 13597 | 90 |
| 20 | 12684 | 99121 | 00879 | 13562 | 80 |
| 30 | 12820 | 99291 | 00709 | 13528 | 70 |
| 40 | 12956 | 99462 | 00538 | 13494 | 60 |
| 50 | 13092 | 99632 | 00368 | 13460 | 50 |
| 60 | 13228 | 99802 | 00198 | 13426 | 40 |
| 70 | 13364 | 99973 | 00027 | 13392 | 30 |
| 80 | 13500 | *00143 | *99857 | 13357 | 20 |
| 90 | 13636 | *00313 | *99687 | 13323 | 10 |
| **58 oo** | 13773 | *00484 | *99516 | 13289 | **42 oo** |
| 10 | 13909 | *00654 | *99346 | 13255 | 90 |
| 20 | 14045 | *00824 | *99176 | 13221 | 80 |
| 30 | 14181 | *00994 | *99006 | 13186 | 70 |
| 40 | 14317 | *01165 | *98835 | 13152 | 60 |
| 50 | 14453 | *01335 | *98665 | 13118 | 50 |
| 60 | 14589 | *01505 | *98495 | 13084 | 40 |
| 70 | 14725 | *01676 | *98324 | 13050 | 30 |
| 80 | 14861 | *01846 | *98154 | 13015 | 20 |
| 90 | 14997 | *02016 | *97984 | 12981 | 10 |
| **59 oo** | 15133 | *02186 | *97814 | 12947 | **41 oo** |
| 10 | 15269 | *02357 | *97643 | 12913 | 90 |
| 20 | 15405 | *02527 | *97473 | 12879 | 80 |
| 30 | 15541 | *02697 | *97303 | 12844 | 70 |
| 40 | 15677 | *02867 | *97133 | 12810 | 60 |
| 50 | 15813 | *03038 | *96962 | 12776 | 50 |
| 60 | 15949 | *03208 | *96792 | 12742 | 40 |
| 70 | 16085 | *03378 | *96622 | 12707 | 30 |
| 80 | 16221 | *03548 | *96452 | 12673 | 20 |
| 90 | 16357 | *03718 | *96282 | 12639 | 10 |
| **60 oo** | 16493 | *03889 | *96111 | 12605 | **40 oo** |
| | **9.65** | ***9.70** | ***0.29** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 136 | 170 | 170 | 35 | |

| | 171 | 170 | 137 | 136 | 35 | 34 | |
|---|---|---|---|---|---|---|---|
| 1 | 17,1 | 17,0 | 13,7 | 13,6 | 3,5 | 3,4 | 1 |
| 2 | 34,2 | 34,0 | 27,4 | 27,2 | 7,0 | 6,8 | 2 |
| 3 | 51,3 | 51,0 | 41,1 | 40,8 | 10,5 | 10,2 | 3 |
| 4 | 68,4 | 68,0 | 54,8 | 54,4 | 14,0 | 13,6 | 4 |
| 5 | 85,5 | 85,0 | 68,5 | 68,0 | 17,5 | 17,0 | 5 |
| 6 | 102,6 | 102,0 | 82,2 | 81,6 | 21,0 | 20,4 | 6 |
| 7 | 119,7 | 119,0 | 95,9 | 95,2 | 24,5 | 23,8 | 7 |
| 8 | 136,8 | 136,0 | 109,6 | 108,8 | 28,0 | 27,2 | 8 |
| 9 | 153,9 | 153,0 | 123,3 | 122,4 | 31,5 | 30,6 | 9 |

| 29g | 136 | 171 | 171 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.70** | **0.29** | **9.95** | |
| **60 oo** | 16493 | 03889 | 96111 | 12605 | **40 oo** |
| 10 | 16629 | 04059 | 95941 | 12571 | 90 |
| 20 | 16765 | 04229 | 95771 | 12536 | 80 |
| 30 | 16901 | 04399 | 95601 | 12502 | 70 |
| 40 | 17037 | 04570 | 95430 | 12468 | 60 |
| 50 | 17173 | 04740 | 95260 | 12434 | 50 |
| 60 | 17309 | 04910 | 95090 | 12399 | 40 |
| 70 | 17445 | 05080 | 94920 | 12365 | 30 |
| 80 | 17581 | 05250 | 94750 | 12331 | 20 |
| 90 | 17717 | 05420 | 94580 | 12297 | 10 |
| **61 oo** | 17853 | 05591 | 94409 | 12262 | **39 oo** |
| 10 | 17989 | 05761 | 94239 | 12228 | 90 |
| 20 | 18125 | 05931 | 94069 | 12194 | 80 |
| 30 | 18261 | 06101 | 93899 | 12160 | 70 |
| 40 | 18397 | 06271 | 93729 | 12126 | 60 |
| 50 | 18533 | 06441 | 93559 | 12091 | 50 |
| 60 | 18669 | 06612 | 93388 | 12057 | 40 |
| 70 | 18805 | 06782 | 93218 | 12023 | 30 |
| 80 | 18940 | 06952 | 93048 | 11989 | 20 |
| 90 | 19076 | 07122 | 92878 | 11954 | 10 |
| **62 oo** | 19212 | 07292 | 92708 | 11920 | **38 oo** |
| 10 | 19348 | 07462 | 92538 | 11886 | 90 |
| 20 | 19484 | 07632 | 92368 | 11852 | 80 |
| 30 | 19620 | 07803 | 92197 | 11817 | 70 |
| 40 | 19756 | 07973 | 92027 | 11783 | 60 |
| 50 | 19892 | 08143 | 91857 | 11749 | 50 |
| 60 | 20027 | 08313 | 91687 | 11715 | 40 |
| 70 | 20163 | 08483 | 91517 | 11680 | 30 |
| 80 | 20299 | 08653 | 91347 | 11646 | 20 |
| 90 | 20435 | 08823 | 91177 | 11612 | 10 |
| **63 oo** | 20571 | 08993 | 91007 | 11578 | **37 oo** |
| 10 | 20707 | 09163 | 90837 | 11543 | 90 |
| 20 | 20843 | 09333 | 90667 | 11509 | 80 |
| 30 | 20978 | 09504 | 90496 | 11475 | 70 |
| 40 | 21114 | 09674 | 90326 | 11440 | 60 |
| 50 | 21250 | 09844 | 90156 | 11406 | 50 |
| 60 | 21386 | 10014 | 89986 | 11372 | 40 |
| 70 | 21522 | 10184 | 89816 | 11338 | 30 |
| 80 | 21657 | 10354 | 89646 | 11303 | 20 |
| 90 | 21793 | 10524 | 89476 | 11269 | 10 |
| **64 oo** | 21929 | 10694 | 89306 | 11235 | **36 oo** |
| 10 | 22065 | 10864 | 89136 | 11201 | 90 |
| 20 | 22200 | 11034 | 88966 | 11166 | 80 |
| 30 | 22336 | 11204 | 88796 | 11132 | 70 |
| 40 | 22472 | 11374 | 88626 | 11098 | 60 |
| 50 | 22608 | 11544 | 88456 | 11063 | 50 |
| 60 | 22744 | 11714 | 88286 | 11029 | 40 |
| 70 | 22879 | 11884 | 88116 | 10995 | 30 |
| 80 | 23015 | 12054 | 87946 | 10961 | 20 |
| 90 | 23151 | 12224 | 87776 | 10926 | 10 |
| **65 oo** | 23286 | 12394 | 87606 | 10892 | **35 oo** |
| | **9.65** | **9.70** | **0.29** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 135 | 170 | 170 | 35 | |

| 29g | 136 | 170 | 170 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.70** | **0.29** | **9.95** | |
| **65 oo** | 23286 | 12394 | 87606 | 10892 | **35 oo** |
| 10 | 23422 | 12564 | 87436 | 10858 | 90 |
| 20 | 23558 | 12734 | 87266 | 10823 | 80 |
| 30 | 23694 | 12904 | 87096 | 10789 | 70 |
| 40 | 23829 | 13074 | 86926 | 10755 | 60 |
| 50 | 23965 | 13244 | 86756 | 10721 | 50 |
| 60 | 24101 | 13414 | 86586 | 10686 | 40 |
| 70 | 24236 | 13584 | 86416 | 10652 | 30 |
| 80 | 24372 | 13754 | 86246 | 10618 | 20 |
| 90 | 24508 | 13924 | 86076 | 10583 | 10 |
| **66 oo** | 24643 | 14094 | 85906 | 10549 | **34 oo** |
| 10 | 24779 | 14264 | 85736 | 10515 | 90 |
| 20 | 24915 | 14434 | 85566 | 10480 | 80 |
| 30 | 25050 | 14604 | 85396 | 10446 | 70 |
| 40 | 25186 | 14774 | 85226 | 10412 | 60 |
| 50 | 25322 | 14944 | 85056 | 10378 | 50 |
| 60 | 25457 | 15114 | 84886 | 10343 | 40 |
| 70 | 25593 | 15284 | 84716 | 10309 | 30 |
| 80 | 25729 | 15454 | 84546 | 10275 | 20 |
| 90 | 25864 | 15624 | 84376 | 10240 | 10 |
| **67 oo** | 26000 | 15794 | 84206 | 10206 | **33 oo** |
| 10 | 26136 | 15964 | 84036 | 10172 | 90 |
| 20 | 26271 | 16134 | 83866 | 10137 | 80 |
| 30 | 26407 | 16304 | 83696 | 10103 | 70 |
| 40 | 26542 | 16474 | 83526 | 10069 | 60 |
| 50 | 26678 | 16644 | 83356 | 10034 | 50 |
| 60 | 26814 | 16813 | 83187 | 10000 | 40 |
| 70 | 26949 | 16983 | 83017 | 09966 | 30 |
| 80 | 27085 | 17153 | 82847 | 09931 | 20 |
| 90 | 27220 | 17323 | 82677 | 09897 | 10 |
| **68 oo** | 27356 | 17493 | 82507 | 09863 | **32 oo** |
| 10 | 27491 | 17663 | 82337 | 09828 | 90 |
| 20 | 27627 | 17833 | 82167 | 09794 | 80 |
| 30 | 27763 | 18003 | 81997 | 09760 | 70 |
| 40 | 27898 | 18173 | 81827 | 09725 | 60 |
| 50 | 28034 | 18342 | 81658 | 09691 | 50 |
| 60 | 28169 | 18512 | 81488 | 09657 | 40 |
| 70 | 28305 | 18682 | 81318 | 09622 | 30 |
| 80 | 28440 | 18852 | 81148 | 09588 | 20 |
| 90 | 28576 | 19022 | 80978 | 09554 | 10 |
| **69 oo** | 28711 | 19192 | 80808 | 09519 | **31 oo** |
| 10 | 28847 | 19362 | 80638 | 09485 | 90 |
| 20 | 28982 | 19532 | 80468 | 09451 | 80 |
| 30 | 29118 | 19701 | 80299 | 09416 | 70 |
| 40 | 29253 | 19871 | 80129 | 09382 | 60 |
| 50 | 29389 | 20041 | 79959 | 09348 | 50 |
| 60 | 29524 | 20211 | 79789 | 09313 | 40 |
| 70 | 29660 | 20381 | 79619 | 09279 | 30 |
| 80 | 29795 | 20551 | 79449 | 09245 | 20 |
| 90 | 29931 | 20720 | 79280 | 09210 | 10 |
| **70 oo** | 30066 | 20890 | 79110 | 09176 | **30 oo** |
| | **9.65** | **9.70** | **0.29** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 135 | 169 | 169 | 35 | |

| | 171 | 170 | 169 | 136 | 135 | 35 | 34 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 17,1 | 17,0 | 16,9 | 13,6 | 13,5 | 3,5 | 3,4 | 1 |
| 2 | 34,2 | 34,0 | 33,8 | 27,2 | 27,0 | 7,0 | 6,8 | 2 |
| 3 | 51,3 | 51,0 | 50,7 | 40,8 | 40,5 | 10,5 | 10,2 | 3 |
| 4 | 68,4 | 68,0 | 67,6 | 54,4 | 54,0 | 14,0 | 13,6 | 4 |
| 5 | 85,5 | 85,0 | 84,5 | 68,0 | 67,5 | 17,5 | 17,0 | 5 |
| 6 | 102,6 | 102,0 | 101,4 | 81,6 | 81,0 | 21,0 | 20,4 | 6 |
| 7 | 119,7 | 119,0 | 118,3 | 95,2 | 94,5 | 24,5 | 23,8 | 7 |
| 8 | 136,8 | 136,0 | 135,2 | 108,8 | 108,0 | 28,0 | 27,2 | 8 |
| 9 | 153,9 | 153,0 | 152,1 | 122,4 | 121,5 | 31,5 | 30,6 | 9 |

| 29g | 136 | 170 | 170 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.70** | **0.29** | **9.95** | |
| **70 oo** | 30066 | 20890 | 79110 | 09176 | **30 oo** |
| 10 | 30202 | 21060 | 78940 | 09142 | 90 |
| 20 | 30337 | 21230 | 78770 | 09107 | 80 |
| 30 | 30473 | 21400 | 78600 | 09073 | 70 |
| 40 | 30608 | 21569 | 78431 | 09039 | 60 |
| 50 | 30743 | 21739 | 78261 | 09004 | 50 |
| 60 | 30879 | 21909 | 78091 | 08970 | 40 |
| 70 | 31014 | 22079 | 77921 | 08935 | 30 |
| 80 | 31150 | 22249 | 77751 | 08901 | 20 |
| 90 | 31285 | 22418 | 77582 | 08867 | 10 |
| **71 oo** | 31420 | 22588 | 77412 | 08832 | **29 oo** |
| 10 | 31556 | 22758 | 77242 | 08798 | 90 |
| 20 | 31691 | 22928 | 77072 | 08764 | 80 |
| 30 | 31827 | 23097 | 76903 | 08729 | 70 |
| 40 | 31962 | 23267 | 76733 | 08695 | 60 |
| 50 | 32097 | 23437 | 76563 | 08660 | 50 |
| 60 | 32233 | 23607 | 76393 | 08626 | 40 |
| 70 | 32368 | 23776 | 76224 | 08592 | 30 |
| 80 | 32504 | 23946 | 76054 | 08557 | 20 |
| 90 | 32639 | 24116 | 75884 | 08523 | 10 |
| **72 oo** | 32774 | 24286 | 75714 | 08489 | **28 oo** |
| 10 | 32910 | 24455 | 75545 | 08454 | 90 |
| 20 | 33045 | 24625 | 75375 | 08420 | 80 |
| 30 | 33180 | 24795 | 75205 | 08385 | 70 |
| 40 | 33316 | 24965 | 75035 | 08351 | 60 |
| 50 | 33451 | 25134 | 74866 | 08317 | 50 |
| 60 | 33586 | 25304 | 74696 | 08282 | 40 |
| 70 | 33722 | 25474 | 74526 | 08248 | 30 |
| 80 | 33857 | 25643 | 74357 | 08213 | 20 |
| 90 | 33992 | 25813 | 74187 | 08179 | 10 |
| **73 oo** | 34128 | 25983 | 74017 | 08145 | **27 oo** |
| 10 | 34263 | 26153 | 73847 | 08110 | 90 |
| 20 | 34398 | 26322 | 73678 | 08076 | 80 |
| 30 | 34533 | 26492 | 73508 | 08042 | 70 |
| 40 | 34669 | 26662 | 73338 | 08007 | 60 |
| 50 | 34804 | 26831 | 73169 | 07973 | 50 |
| 60 | 34939 | 27001 | 72999 | 07938 | 40 |
| 70 | 35075 | 27171 | 72829 | 07904 | 30 |
| 80 | 35210 | 27340 | 72660 | 07869 | 20 |
| 90 | 35345 | 27510 | 72490 | 07835 | 10 |
| **74 oo** | 35480 | 27680 | 72320 | 07801 | **26 oo** |
| 10 | 35616 | 27849 | 72151 | 07766 | 90 |
| 20 | 35751 | 28019 | 71981 | 07732 | 80 |
| 30 | 35886 | 28189 | 71811 | 07697 | 70 |
| 40 | 36021 | 28358 | 71642 | 07663 | 60 |
| 50 | 36157 | 28528 | 71472 | 07629 | 50 |
| 60 | 36292 | 28698 | 71302 | 07594 | 40 |
| 70 | 36427 | 28867 | 71133 | 07560 | 30 |
| 80 | 36562 | 29037 | 70963 | 07525 | 20 |
| 90 | 36697 | 29206 | 70794 | 07491 | 10 |
| **75 oo** | 36833 | 29376 | 70624 | 07457 | **25 oo** |
| | **9.65** | **9.70** | **0.29** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 135 | 169 | 169 | 35 | |

| 29g | 136 | 170 | 170 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.70** | **0.29** | **9.95** | |
| **75 oo** | 36833 | 29376 | 70624 | 07457 | **25 oo** |
| 10 | 36968 | 29546 | 70454 | 07422 | 90 |
| 20 | 37103 | 29715 | 70285 | 07388 | 80 |
| 30 | 37238 | 29885 | 70115 | 07353 | 70 |
| 40 | 37373 | 30055 | 69945 | 07319 | 60 |
| 50 | 37509 | 30224 | 69776 | 07284 | 50 |
| 60 | 37644 | 30394 | 69606 | 07250 | 40 |
| 70 | 37779 | 30563 | 69437 | 07216 | 30 |
| 80 | 37914 | 30733 | 69267 | 07181 | 20 |
| 90 | 38049 | 30902 | 69098 | 07147 | 10 |
| **76 oo** | 38184 | 31072 | 68928 | 07112 | **24 oo** |
| 10 | 38319 | 31242 | 68758 | 07078 | 90 |
| 20 | 38455 | 31411 | 68589 | 07043 | 80 |
| 30 | 38590 | 31581 | 68419 | 07009 | 70 |
| 40 | 38725 | 31750 | 68250 | 06974 | 60 |
| 50 | 38860 | 31920 | 68080 | 06940 | 50 |
| 60 | 38995 | 32089 | 67911 | 06906 | 40 |
| 70 | 39130 | 32259 | 67741 | 06871 | 30 |
| 80 | 39265 | 32429 | 67571 | 06837 | 20 |
| 90 | 39400 | 32598 | 67402 | 06802 | 10 |
| **77 oo** | 39535 | 32768 | 67232 | 06768 | **23 oo** |
| 10 | 39671 | 32937 | 67063 | 06733 | 90 |
| 20 | 39806 | 33107 | 66893 | 06699 | 80 |
| 30 | 39941 | 33276 | 66724 | 06664 | 70 |
| 40 | 40076 | 33446 | 66554 | 06630 | 60 |
| 50 | 40211 | 33615 | 66385 | 06596 | 50 |
| 60 | 40346 | 33785 | 66215 | 06561 | 40 |
| 70 | 40481 | 33954 | 66046 | 06527 | 30 |
| 80 | 40616 | 34124 | 65876 | 06492 | 20 |
| 90 | 40751 | 34293 | 65707 | 06458 | 10 |
| **78 oo** | 40886 | 34463 | 65537 | 06423 | **22 oo** |
| 10 | 41021 | 34632 | 65368 | 06389 | 90 |
| 20 | 41156 | 34802 | 65198 | 06354 | 80 |
| 30 | 41291 | 34971 | 65029 | 06320 | 70 |
| 40 | 41426 | 35141 | 64859 | 06285 | 60 |
| 50 | 41561 | 35310 | 64690 | 06251 | 50 |
| 60 | 41696 | 35480 | 64520 | 06216 | 40 |
| 70 | 41831 | 35649 | 64351 | 06182 | 30 |
| 80 | 41966 | 35819 | 64181 | 06147 | 20 |
| 90 | 42101 | 35988 | 64012 | 06113 | 10 |
| **79 oo** | 42236 | 36158 | 63842 | 06079 | **21 oo** |
| 10 | 42371 | 36327 | 63673 | 06044 | 90 |
| 20 | 42506 | 36497 | 63503 | 06010 | 80 |
| 30 | 42641 | 36666 | 63334 | 05975 | 70 |
| 40 | 42776 | 36836 | 63164 | 05941 | 60 |
| 50 | 42911 | 37005 | 62995 | 05906 | 50 |
| 60 | 43046 | 37174 | 62826 | 05872 | 40 |
| 70 | 43181 | 37344 | 62656 | 05837 | 30 |
| 80 | 43316 | 37513 | 62487 | 05803 | 20 |
| 90 | 43451 | 37683 | 62317 | 05768 | 10 |
| **80 oo** | 43586 | 37852 | 62148 | 05734 | **20 oo** |
| | **9.65** | **9.70** | **0.29** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 135 | 169 | 169 | 35 | |

| | 170 | 169 | 136 | 135 | 35 | 34 | |
|---|---|---|---|---|---|---|---|
| 1 | 17,0 | 16,9 | 13,6 | 13,5 | 3,5 | 3,4 | 1 |
| 2 | 34,0 | 33,8 | 27,2 | 27,0 | 7,0 | 6,8 | 2 |
| 3 | 51,0 | 50,7 | 40,8 | 40,5 | 10,5 | 10,2 | 3 |
| 4 | 68,0 | 67,6 | 54,4 | 54,0 | 14,0 | 13,6 | 4 |
| 5 | 85,0 | 84,5 | 68,0 | 67,5 | 17,5 | 17,0 | 5 |
| 6 | 102,0 | 101,4 | 81,6 | 81,0 | 21,0 | 20,4 | 6 |
| 7 | 119,0 | 118,3 | 95,2 | 94,5 | 24,5 | 23,8 | 7 |
| 8 | 136,0 | 135,2 | 108,8 | 108,0 | 28,0 | 27,2 | 8 |
| 9 | 153,0 | 152,1 | 122,4 | 121,5 | 31,5 | 30,6 | 9 |

| 29g | 135 | 170 | 170 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.70** | **0.29** | **9.95** | |
| **80 oo** | 43586 | 37852 | 62148 | 05734 | **20 oo** |
| 10 | 43721 | 38022 | 61978 | 05699 | 90 |
| 20 | 43856 | 38191 | 61809 | 05665 | 80 |
| 30 | 43991 | 38360 | 61640 | 05630 | 70 |
| 40 | 44126 | 38530 | 61470 | 05596 | 60 |
| 50 | 44260 | 38699 | 61301 | 05561 | 50 |
| 60 | 44395 | 38869 | 61131 | 05527 | 40 |
| 70 | 44530 | 39038 | 60962 | 05492 | 30 |
| 80 | 44665 | 39207 | 60793 | 05458 | 20 |
| 90 | 44800 | 39377 | 60623 | 05423 | 10 |
| **81 oo** | 44935 | 39546 | 60454 | 05389 | **19 oo** |
| 10 | 45070 | 39716 | 60284 | 05354 | 90 |
| 20 | 45205 | 39885 | 60115 | 05320 | 80 |
| 30 | 45340 | 40054 | 59946 | 05285 | 70 |
| 40 | 45474 | 40224 | 59776 | 05251 | 60 |
| 50 | 45609 | 40393 | 59607 | 05216 | 50 |
| 60 | 45744 | 40562 | 59438 | 05182 | 40 |
| 70 | 45879 | 40732 | 59268 | 05147 | 30 |
| 80 | 46014 | 40901 | 59099 | 05113 | 20 |
| 90 | 46149 | 41070 | 58930 | 05078 | 10 |
| **82 oo** | 46283 | 41240 | 58760 | 05044 | **18 oo** |
| 10 | 46418 | 41409 | 58591 | 05009 | 90 |
| 20 | 46553 | 41578 | 58422 | 04975 | 80 |
| 30 | 46688 | 41748 | 58252 | 04940 | 70 |
| 40 | 46823 | 41917 | 58083 | 04906 | 60 |
| 50 | 46958 | 42086 | 57914 | 04871 | 50 |
| 60 | 47092 | 42256 | 57744 | 04837 | 40 |
| 70 | 47227 | 42425 | 57575 | 04802 | 30 |
| 80 | 47362 | 42594 | 57406 | 04767 | 20 |
| 90 | 47497 | 42764 | 57236 | 04733 | 10 |
| **83 oo** | 47631 | 42933 | 57067 | 04698 | **17 oo** |
| 10 | 47766 | 43102 | 56898 | 04664 | 90 |
| 20 | 47901 | 43272 | 56728 | 04629 | 80 |
| 30 | 48036 | 43441 | 56559 | 04595 | 70 |
| 40 | 48171 | 43610 | 56390 | 04560 | 60 |
| 50 | 48305 | 43780 | 56220 | 04526 | 50 |
| 60 | 48440 | 43949 | 56051 | 04491 | 40 |
| 70 | 48575 | 44118 | 55882 | 04457 | 30 |
| 80 | 48710 | 44287 | 55713 | 04422 | 20 |
| 90 | 48844 | 44457 | 55543 | 04388 | 10 |
| **84 oo** | 48979 | 44626 | 55374 | 04353 | **16 oo** |
| 10 | 49114 | 44795 | 55205 | 04319 | 90 |
| 20 | 49248 | 44964 | 55036 | 04284 | 80 |
| 30 | 49383 | 45134 | 54866 | 04249 | 70 |
| 40 | 49518 | 45303 | 54697 | 04215 | 60 |
| 50 | 49653 | 45472 | 54528 | 04180 | 50 |
| 60 | 49787 | 45641 | 54359 | 04146 | 40 |
| 70 | 49922 | 45811 | 54189 | 04111 | 30 |
| 80 | 50057 | 45980 | 54020 | 04077 | 20 |
| 90 | 50191 | 46149 | 53851 | 04042 | 10 |
| **85 oo** | 50326 | 46318 | 53682 | 04008 | **15 oo** |
| | **9.65** | **9.70** | **0.29** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 134 | 169 | 169 | 35 | |

| 29g | 135 | 170 | 170 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.70** | **0.29** | **9.95** | |
| **85 oo** | 50326 | 46318 | 53682 | 04008 | **15 oo** |
| 10 | 50461 | 46488 | 53512 | 03973 | 90 |
| 20 | 50595 | 46657 | 53343 | 03938 | 80 |
| 30 | 50730 | 46826 | 53174 | 03904 | 70 |
| 40 | 50865 | 46995 | 53005 | 03869 | 60 |
| 50 | 50999 | 47164 | 52836 | 03835 | 50 |
| 60 | 51134 | 47334 | 52666 | 03800 | 40 |
| 70 | 51268 | 47503 | 52497 | 03766 | 30 |
| 80 | 51403 | 47672 | 52328 | 03731 | 20 |
| 90 | 51538 | 47841 | 52159 | 03696 | 10 |
| **86 oo** | 51672 | 48010 | 51990 | 03662 | **14 oo** |
| 10 | 51807 | 48180 | 51820 | 03627 | 90 |
| 20 | 51942 | 48349 | 51651 | 03593 | 80 |
| 30 | 52076 | 48518 | 51482 | 03558 | 70 |
| 40 | 52211 | 48687 | 51313 | 03524 | 60 |
| 50 | 52345 | 48856 | 51144 | 03489 | 50 |
| 60 | 52480 | 49026 | 50974 | 03454 | 40 |
| 70 | 52615 | 49195 | 50805 | 03420 | 30 |
| 80 | 52749 | 49364 | 50636 | 03385 | 20 |
| 90 | 52884 | 49533 | 50467 | 03351 | 10 |
| **87 oo** | 53018 | 49702 | 50298 | 03316 | **13 oo** |
| 10 | 53153 | 49871 | 50129 | 03282 | 90 |
| 20 | 53287 | 50040 | 49960 | 03247 | 80 |
| 30 | 53422 | 50210 | 49790 | 03212 | 70 |
| 40 | 53557 | 50379 | 49621 | 03178 | 60 |
| 50 | 53691 | 50548 | 49452 | 03143 | 50 |
| 60 | 53826 | 50717 | 49283 | 03109 | 40 |
| 70 | 53960 | 50886 | 49114 | 03074 | 30 |
| 80 | 54095 | 51055 | 48945 | 03039 | 20 |
| 90 | 54229 | 51224 | 48776 | 03005 | 10 |
| **88 oo** | 54364 | 51393 | 48607 | 02970 | **12 oo** |
| 10 | 54498 | 51563 | 48437 | 02936 | 90 |
| 20 | 54633 | 51732 | 48268 | 02901 | 80 |
| 30 | 54767 | 51901 | 48099 | 02866 | 70 |
| 40 | 54902 | 52070 | 47930 | 02832 | 60 |
| 50 | 55036 | 52239 | 47761 | 02797 | 50 |
| 60 | 55171 | 52408 | 47592 | 02763 | 40 |
| 70 | 55305 | 52577 | 47423 | 02728 | 30 |
| 80 | 55440 | 52746 | 47254 | 02693 | 20 |
| 90 | 55574 | 52915 | 47085 | 02659 | 10 |
| **89 oo** | 55709 | 53084 | 46916 | 02624 | **11 oo** |
| 10 | 55843 | 53253 | 46747 | 02590 | 90 |
| 20 | 55977 | 53422 | 46578 | 02555 | 80 |
| 30 | 56112 | 53592 | 46408 | 02520 | 70 |
| 40 | 56246 | 53761 | 46239 | 02486 | 60 |
| 50 | 56381 | 53930 | 46070 | 02451 | 50 |
| 60 | 56515 | 54099 | 45901 | 02417 | 40 |
| 70 | 56650 | 54268 | 45732 | 02382 | 30 |
| 80 | 56784 | 54437 | 45563 | 02347 | 20 |
| 90 | 56918 | 54606 | 45394 | 02313 | 10 |
| **90 oo** | 57053 | 54775 | 45225 | 02278 | **10 oo** |
| | **9.65** | **9.70** | **0.29** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | **70g** |
| | 134 | 169 | 169 | 35 | |

| | 170 | 169 | 135 | 134 | 35 | 34 | |
|---|---|---|---|---|---|---|---|
| 1 | 17,0 | 16,9 | 13,5 | 13,4 | 3,5 | 3,4 | 1 |
| 2 | 34,0 | 33,8 | 27,0 | 26,8 | 7,0 | 6,8 | 2 |
| 3 | 51,0 | 50,7 | 40,5 | 40,2 | 10,5 | 10,2 | 3 |
| 4 | 68,0 | 67,6 | 54,0 | 53,6 | 14,0 | 13,6 | 4 |
| 5 | 85,0 | 84,5 | 67,5 | 67,0 | 17,5 | 17,0 | 5 |
| 6 | 102,0 | 101,4 | 81,0 | 80,4 | 21,0 | 20,4 | 6 |
| 7 | 119,0 | 118,3 | 94,5 | 93,8 | 24,5 | 23,8 | 7 |
| 8 | 136,0 | 135,2 | 108,0 | 107,2 | 28,0 | 27,2 | 8 |
| 9 | 153,0 | 152,1 | 121,5 | 120,6 | 31,5 | 30,6 | 9 |

| **29g** | 135 | 169 | 169 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.70** | **0.29** | **9.95** | |
| **90 00** | 57053 | 54775 | 45225 | 02278 | **10 00** |
| 10 | 57187 | 54944 | 45056 | 02243 | 90 |
| 20 | 57322 | 55113 | 44887 | 02209 | 80 |
| 30 | 57456 | 55282 | 44718 | 02174 | 70 |
| 40 | 57590 | 55451 | 44549 | 02140 | 60 |
| 50 | 57725 | 55620 | 44380 | 02105 | 50 |
| 60 | 57859 | 55789 | 44211 | 02070 | 40 |
| 70 | 57994 | 55958 | 44042 | 02036 | 30 |
| 80 | 58128 | 56127 | 43873 | 02001 | 20 |
| 90 | 58262 | 56296 | 43704 | 01966 | 10 |
| **91 00** | 58397 | 56465 | 43535 | 01932 | **09 00** |
| 10 | 58531 | 56634 | 43366 | 01897 | 90 |
| 20 | 58665 | 56803 | 43197 | 01862 | 80 |
| 30 | 58800 | 56972 | 43028 | 01828 | 70 |
| 40 | 58934 | 57141 | 42859 | 01793 | 60 |
| 50 | 59068 | 57310 | 42690 | 01759 | 50 |
| 60 | 59203 | 57479 | 42521 | 01724 | 40 |
| 70 | 59337 | 57648 | 42352 | 01689 | 30 |
| 80 | 59471 | 57817 | 42183 | 01655 | 20 |
| 90 | 59606 | 57986 | 42014 | 01620 | 10 |
| **92 00** | 59740 | 58155 | 41845 | 01585 | **08 00** |
| 10 | 59874 | 58324 | 41676 | 01551 | 90 |
| 20 | 60009 | 58493 | 41507 | 01516 | 80 |
| 30 | 60143 | 58662 | 41338 | 01481 | 70 |
| 40 | 60277 | 58831 | 41169 | 01447 | 60 |
| 50 | 60411 | 58999 | 41001 | 01412 | 50 |
| 60 | 60546 | 59168 | 40832 | 01377 | 40 |
| 70 | 60680 | 59337 | 40663 | 01343 | 30 |
| 80 | 60814 | 59506 | 40494 | 01308 | 20 |
| 90 | 60949 | 59675 | 40325 | 01273 | 10 |
| **93 00** | 61083 | 59844 | 40156 | 01239 | **07 00** |
| 10 | 61217 | 60013 | 39987 | 01204 | 90 |
| 20 | 61351 | 60182 | 39818 | 01169 | 80 |
| 30 | 61486 | 60351 | 39649 | 01135 | 70 |
| 40 | 61620 | 60520 | 39480 | 01100 | 60 |
| 50 | 61754 | 60689 | 39311 | 01065 | 50 |
| 60 | 61888 | 60858 | 39142 | 01031 | 40 |
| 70 | 62022 | 61026 | 38974 | 00996 | 30 |
| 80 | 62157 | 61195 | 38805 | 00961 | 20 |
| 90 | 62291 | 61364 | 38636 | 00927 | 10 |
| **94 00** | 62425 | 61533 | 38467 | 00892 | **06 00** |
| 10 | 62559 | 61702 | 38298 | 00857 | 90 |
| 20 | 62693 | 61871 | 38129 | 00823 | 80 |
| 30 | 62828 | 62040 | 37960 | 00788 | 70 |
| 40 | 62962 | 62209 | 37791 | 00753 | 60 |
| 50 | 63096 | 62377 | 37623 | 00719 | 50 |
| 60 | 63230 | 62546 | 37454 | 00684 | 40 |
| 70 | 63364 | 62715 | 37285 | 00649 | 30 |
| 80 | 63498 | 62884 | 37116 | 00614 | 20 |
| 90 | 63633 | 63053 | 36947 | 00580 | 10 |
| **95 00** | 63767 | 63222 | 36778 | 00545 | **05 00** |
| | **9.65** | **9.70** | **0.29** | **9.95** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 134 | 168 | 168 | 35 | **70g** |

| **29g** | 135 | 169 | 169 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.70** | **0.29** | ***9.95** | |
| **95 00** | 63767 | 63222 | 36778 | *00545 | **05 00** |
| 10 | 63901 | 63391 | 36609 | *00510 | 90 |
| 20 | 64035 | 63559 | 36441 | *00476 | 80 |
| 30 | 64169 | 63728 | 36272 | *00441 | 70 |
| 40 | 64303 | 63897 | 36103 | *00406 | 60 |
| 50 | 64437 | 64066 | 35934 | *00372 | 50 |
| 60 | 64572 | 64235 | 35765 | *00337 | 40 |
| 70 | 64706 | 64403 | 35597 | *00302 | 30 |
| 80 | 64840 | 64572 | 35428 | *00268 | 20 |
| 90 | 64974 | 64741 | 35259 | *00233 | 10 |
| **96 00** | 65108 | 64910 | 35090 | *00198 | **04 00** |
| 10 | 65242 | 65079 | 34921 | *00163 | 90 |
| 20 | 65376 | 65247 | 34753 | *00129 | 80 |
| 30 | 65510 | 65416 | 34584 | *00094 | 70 |
| 40 | 65644 | 65585 | 34415 | *00059 | 60 |
| 50 | 65778 | 65754 | 34246 | *00025 | 50 |
| 60 | 65912 | 65923 | 34077 | 99990 | 40 |
| 70 | 66047 | 66091 | 33909 | 99955 | 30 |
| 80 | 66181 | 66260 | 33740 | 99920 | 20 |
| 90 | 66315 | 66429 | 33571 | 99886 | 10 |
| **97 00** | 66449 | 66598 | 33402 | 99851 | **03 00** |
| 10 | 66583 | 66766 | 33234 | 99816 | 90 |
| 20 | 66717 | 66935 | 33065 | 99782 | 80 |
| 30 | 66851 | 67104 | 32896 | 99747 | 70 |
| 40 | 66985 | 67273 | 32727 | 99712 | 60 |
| 50 | 67119 | 67441 | 32559 | 99677 | 50 |
| 60 | 67253 | 67610 | 32390 | 99643 | 40 |
| 70 | 67387 | 67779 | 32221 | 99608 | 30 |
| 80 | 67521 | 67948 | 32052 | 99573 | 20 |
| 90 | 67655 | 68116 | 31884 | 99538 | 10 |
| **98 00** | 67789 | 68285 | 31715 | 99504 | **02 00** |
| 10 | 67923 | 68454 | 31546 | 99469 | 90 |
| 20 | 68057 | 68623 | 31377 | 99434 | 80 |
| 30 | 68191 | 68791 | 31209 | 99400 | 70 |
| 40 | 68325 | 68960 | 31040 | 99365 | 60 |
| 50 | 68459 | 69129 | 30871 | 99330 | 50 |
| 60 | 68593 | 69297 | 30703 | 99295 | 40 |
| 70 | 68727 | 69466 | 30534 | 99261 | 30 |
| 80 | 68861 | 69635 | 30365 | 99226 | 20 |
| 90 | 68995 | 69803 | 30197 | 99191 | 10 |
| **99 00** | 69129 | 69972 | 30028 | 99156 | **01 00** |
| 10 | 69262 | 70141 | 29859 | 99122 | 90 |
| 20 | 69396 | 70310 | 29690 | 99087 | 80 |
| 30 | 69530 | 70478 | 29522 | 99052 | 70 |
| 40 | 69664 | 70647 | 29353 | 99017 | 60 |
| 50 | 69798 | 70816 | 29184 | 98983 | 50 |
| 60 | 69932 | 70984 | 29016 | 98948 | 40 |
| 70 | 70066 | 71153 | 28847 | 98913 | 30 |
| 80 | 70200 | 71322 | 28678 | 98878 | 20 |
| 90 | 70334 | 71490 | 28510 | 98844 | 10 |
| **100 00** | 70468 | 71659 | 28341 | 98809 | **00 00** |
| | **9.65** | **9.70** | **0.29** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 133 | 168 | 168 | 35 | **70g** |

| | 169 | 168 | 135 | 134 | 133 | 35 | 34 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,9 | 16,8 | 13,5 | 13,4 | 13,3 | 3,5 | 3,4 | 1 |
| 2 | 33,8 | 33,6 | 27,0 | 26,8 | 26,6 | 7,0 | 6,8 | 2 |
| 3 | 50,7 | 50,4 | 40,5 | 40,2 | 39,9 | 10,5 | 10,2 | 3 |
| 4 | 67,6 | 67,2 | 54,0 | 53,6 | 53,2 | 14,0 | 13,6 | 4 |
| 5 | 84,5 | 84,0 | 67,5 | 67,0 | 66,5 | 17,5 | 17,0 | 5 |
| 6 | 101,4 | 100,8 | 81,0 | 80,4 | 79,8 | 21,0 | 20,4 | 6 |
| 7 | 118,3 | 117,6 | 94,5 | 93,8 | 93,1 | 24,5 | 23,8 | 7 |
| 8 | 135,2 | 134,4 | 108,0 | 107,2 | 106,4 | 28,0 | 27,2 | 8 |
| 9 | 152,1 | 151,2 | 121,5 | 120,6 | 119,7 | 31,5 | 30,6 | 9 |

| 30g | 134 | 169 | 169 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.70** | **0.29** | **9.94** | |
| **00 oo** | 70468 | 71659 | 28341 | 98809 | **100 oo** |
| 10 | 70602 | 71827 | 28173 | 98774 | 90 |
| 20 | 70735 | 71996 | 28004 | 98739 | 80 |
| 30 | 70869 | 72165 | 27835 | 98705 | 70 |
| 40 | 71003 | 72333 | 27667 | 98670 | 60 |
| 50 | 71137 | 72502 | 27498 | 98635 | 50 |
| 60 | 71271 | 72671 | 27329 | 98600 | 40 |
| 70 | 71405 | 72839 | 27161 | 98565 | 30 |
| 80 | 71539 | 73008 | 26992 | 98531 | 20 |
| 90 | 71672 | 73176 | 26824 | 98496 | 10 |
| **01 oo** | 71806 | 73345 | 26655 | 98461 | **99 oo** |
| 10 | 71940 | 73514 | 26486 | 98426 | 90 |
| 20 | 72074 | 73682 | 26318 | 98392 | 80 |
| 30 | 72208 | 73851 | 26149 | 98357 | 70 |
| 40 | 72342 | 74019 | 25981 | 98322 | 60 |
| 50 | 72475 | 74188 | 25812 | 98287 | 50 |
| 60 | 72609 | 74357 | 25643 | 98253 | 40 |
| 70 | 72743 | 74525 | 25475 | 98218 | 30 |
| 80 | 72877 | 74694 | 25306 | 98183 | 20 |
| 90 | 73011 | 74862 | 25138 | 98148 | 10 |
| **02 oo** | 73144 | 75031 | 24969 | 98113 | **98 oo** |
| 10 | 73278 | 75200 | 24800 | 98079 | 90 |
| 20 | 73412 | 75368 | 24632 | 98044 | 80 |
| 30 | 73546 | 75537 | 24463 | 98009 | 70 |
| 40 | 73679 | 75705 | 24295 | 97974 | 60 |
| 50 | 73813 | 75874 | 24126 | 97939 | 50 |
| 60 | 73947 | 76042 | 23958 | 97905 | 40 |
| 70 | 74081 | 76211 | 23789 | 97870 | 30 |
| 80 | 74214 | 76379 | 23621 | 97835 | 20 |
| 90 | 74348 | 76548 | 23452 | 97800 | 10 |
| **03 oo** | 74482 | 76716 | 23284 | 97765 | **97 oo** |
| 10 | 74616 | 76885 | 23115 | 97731 | 90 |
| 20 | 74749 | 77054 | 22946 | 97696 | 80 |
| 30 | 74883 | 77222 | 22778 | 97661 | 70 |
| 40 | 75017 | 77391 | 22609 | 97626 | 60 |
| 50 | 75151 | 77559 | 22441 | 97591 | 50 |
| 60 | 75284 | 77728 | 22272 | 97557 | 40 |
| 70 | 75418 | 77896 | 22104 | 97522 | 30 |
| 80 | 75552 | 78065 | 21935 | 97487 | 20 |
| 90 | 75685 | 78233 | 21767 | 97452 | 10 |
| **04 oo** | 75819 | 78402 | 21598 | 97417 | **96 oo** |
| 10 | 75953 | 78570 | 21430 | 97383 | 90 |
| 20 | 76086 | 78739 | 21261 | 97348 | 80 |
| 30 | 76220 | 78907 | 21093 | 97313 | 70 |
| 40 | 76354 | 79076 | 20924 | 97278 | 60 |
| 50 | 76487 | 79244 | 20756 | 97243 | 50 |
| 60 | 76621 | 79412 | 20588 | 97208 | 40 |
| 70 | 76755 | 79581 | 20419 | 97174 | 30 |
| 80 | 76888 | 79749 | 20251 | 97139 | 20 |
| 90 | 77022 | 79918 | 20082 | 97104 | 10 |
| **05 oo** | 77156 | 80086 | 19914 | 97069 | **95 oo** |
| | **9.65** | **9.70** | **0.29** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 69g |
| | 133 | 168 | 168 | 35 | |

| 30g | 134 | 169 | 169 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.70** | **0.29** | **9.94** | |
| **05 oo** | 77156 | 80086 | 19914 | 97069 | **95 oo** |
| 10 | 77289 | 80255 | 19745 | 97034 | 90 |
| 20 | 77423 | 80423 | 19577 | 97000 | 80 |
| 30 | 77556 | 80592 | 19408 | 96965 | 70 |
| 40 | 77690 | 80760 | 19240 | 96930 | 60 |
| 50 | 77824 | 80929 | 19071 | 96895 | 50 |
| 60 | 77957 | 81097 | 18903 | 96860 | 40 |
| 70 | 78091 | 81265 | 18735 | 96825 | 30 |
| 80 | 78224 | 81434 | 18566 | 96791 | 20 |
| 90 | 78358 | 81602 | 18398 | 96756 | 10 |
| **06 oo** | 78492 | 81771 | 18229 | 96721 | **94 oo** |
| 10 | 78625 | 81939 | 18061 | 96686 | 90 |
| 20 | 78759 | 82107 | 17893 | 96651 | 80 |
| 30 | 78892 | 82276 | 17724 | 96616 | 70 |
| 40 | 79026 | 82444 | 17556 | 96581 | 60 |
| 50 | 79159 | 82613 | 17387 | 96547 | 50 |
| 60 | 79293 | 82781 | 17219 | 96512 | 40 |
| 70 | 79426 | 82949 | 17051 | 96477 | 30 |
| 80 | 79560 | 83118 | 16882 | 96442 | 20 |
| 90 | 79693 | 83286 | 16714 | 96407 | 10 |
| **07 oo** | 79827 | 83455 | 16545 | 96372 | **93 oo** |
| 10 | 79961 | 83623 | 16377 | 96338 | 90 |
| 20 | 80094 | 83791 | 16209 | 96303 | 80 |
| 30 | 80228 | 83960 | 16040 | 96268 | 70 |
| 40 | 80361 | 84128 | 15872 | 96233 | 60 |
| 50 | 80495 | 84296 | 15704 | 96198 | 50 |
| 60 | 80628 | 84465 | 15535 | 96163 | 40 |
| 70 | 80762 | 84633 | 15367 | 96128 | 30 |
| 80 | 80895 | 84802 | 15198 | 96094 | 20 |
| 90 | 81029 | 84970 | 15030 | 96059 | 10 |
| **08 oo** | 81162 | 85138 | 14862 | 96024 | **92 oo** |
| 10 | 81295 | 85307 | 14693 | 95989 | 90 |
| 20 | 81429 | 85475 | 14525 | 95954 | 80 |
| 30 | 81562 | 85643 | 14357 | 95919 | 70 |
| 40 | 81696 | 85812 | 14188 | 95884 | 60 |
| 50 | 81829 | 85980 | 14020 | 95849 | 50 |
| 60 | 81963 | 86148 | 13852 | 95815 | 40 |
| 70 | 82096 | 86316 | 13684 | 95780 | 30 |
| 80 | 82230 | 86485 | 13515 | 95745 | 20 |
| 90 | 82363 | 86653 | 13347 | 95710 | 10 |
| **09 oo** | 82496 | 86821 | 13179 | 95675 | **91 oo** |
| 10 | 82630 | 86990 | 13010 | 95640 | 90 |
| 20 | 82763 | 87158 | 12842 | 95605 | 80 |
| 30 | 82897 | 87326 | 12674 | 95570 | 70 |
| 40 | 83030 | 87495 | 12505 | 95536 | 60 |
| 50 | 83163 | 87663 | 12337 | 95501 | 50 |
| 60 | 83297 | 87831 | 12169 | 95466 | 40 |
| 70 | 83430 | 87999 | 12001 | 95431 | 30 |
| 80 | 83564 | 88168 | 11832 | 95396 | 20 |
| 90 | 83697 | 88336 | 11664 | 95361 | 10 |
| **10 oo** | 83830 | 88504 | 11496 | 95326 | **90 oo** |
| | **9.65** | **9.70** | **0.29** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 69g |
| | 133 | 168 | 168 | 35 | |

| | 169 | 168 | 134 | 133 | 35 | 34 | |
|---|---|---|---|---|---|---|---|
| 1 | 16,9 | 16,8 | 13,4 | 13,3 | 3,5 | 3,4 | 1 |
| 2 | 33,8 | 33,6 | 26,8 | 26,6 | 7,0 | 6,8 | 2 |
| 3 | 50,7 | 50,4 | 40,2 | 39,9 | 10,5 | 10,2 | 3 |
| 4 | 67,6 | 67,2 | 53,6 | 53,2 | 14,0 | 13,6 | 4 |
| 5 | 84,5 | 84,0 | 67,0 | 66,5 | 17,5 | 17,0 | 5 |
| 6 | 101,4 | 100,8 | 80,4 | 79,8 | 21,0 | 20,4 | 6 |
| 7 | 118,3 | 117,6 | 93,8 | 93,1 | 24,5 | 23,8 | 7 |
| 8 | 135,2 | 134,4 | 107,2 | 106,4 | 28,0 | 27,2 | 8 |
| 9 | 152,1 | 151,2 | 120,6 | 119,7 | 31,5 | 30,6 | 9 |

| 30g | 134 | 169 | 169 | 34 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | **9.70** | **0.29** | **9.94** | |
| **10 oo** | 83830 | 88504 | 11496 | 95326 | **90 oo** |
| 10 | 83964 | 88672 | 11328 | 95291 | 90 |
| 20 | 84097 | 88841 | 11159 | 95256 | 80 |
| 30 | 84230 | 89009 | 10991 | 95221 | 70 |
| 40 | 84364 | 89177 | 10823 | 95187 | 60 |
| 50 | 84497 | 89346 | 10654 | 95152 | 50 |
| 60 | 84631 | 89514 | 10486 | 95117 | 40 |
| 70 | 84764 | 89682 | 10318 | 95082 | 30 |
| 80 | 84897 | 89850 | 10150 | 95047 | 20 |
| 90 | 85031 | 90018 | 09982 | 95012 | 10 |
| **11 oo** | 85164 | 90187 | 09813 | 94977 | **89 oo** |
| 10 | 85297 | 90355 | 09645 | 94942 | 90 |
| 20 | 85430 | 90523 | 09477 | 94907 | 80 |
| 30 | 85564 | 90691 | 09309 | 94872 | 70 |
| 40 | 85697 | 90860 | 09140 | 94838 | 60 |
| 50 | 85830 | 91028 | 08972 | 94803 | 50 |
| 60 | 85964 | 91196 | 08804 | 94768 | 40 |
| 70 | 86097 | 91364 | 08636 | 94733 | 30 |
| 80 | 86230 | 91532 | 08468 | 94698 | 20 |
| 90 | 86363 | 91701 | 08299 | 94663 | 10 |
| **12 oo** | 86497 | 91869 | 08131 | 94628 | **88 oo** |
| 10 | 86630 | 92037 | 07963 | 94593 | 90 |
| 20 | 86763 | 92205 | 07795 | 94558 | 80 |
| 30 | 86897 | 92373 | 07627 | 94523 | 70 |
| 40 | 87030 | 92541 | 07459 | 94488 | 60 |
| 50 | 87163 | 92710 | 07290 | 94453 | 50 |
| 60 | 87296 | 92878 | 07122 | 94418 | 40 |
| 70 | 87429 | 93046 | 06954 | 94384 | 30 |
| 80 | 87563 | 93214 | 06786 | 94349 | 20 |
| 90 | 87696 | 93382 | 06618 | 94314 | 10 |
| **13 oo** | 87829 | 93550 | 06450 | 94279 | **87 oo** |
| 10 | 87962 | 93719 | 06281 | 94244 | 90 |
| 20 | 88096 | 93887 | 06113 | 94209 | 80 |
| 30 | 88229 | 94055 | 05945 | 94174 | 70 |
| 40 | 88362 | 94223 | 05777 | 94139 | 60 |
| 50 | 88495 | 94391 | 05609 | 94104 | 50 |
| 60 | 88628 | 94559 | 05441 | 94069 | 40 |
| 70 | 88762 | 94727 | 05273 | 94034 | 30 |
| 80 | 88895 | 94895 | 05105 | 93999 | 20 |
| 90 | 89028 | 95064 | 04936 | 93964 | 10 |
| **14 oo** | 89161 | 95232 | 04768 | 93929 | **86 oo** |
| 10 | 89294 | 95400 | 04600 | 93894 | 90 |
| 20 | 89427 | 95568 | 04432 | 93859 | 80 |
| 30 | 89560 | 95736 | 04264 | 93824 | 70 |
| 40 | 89694 | 95904 | 04096 | 93790 | 60 |
| 50 | 89827 | 96072 | 03928 | 93755 | 50 |
| 60 | 89960 | 96240 | 03760 | 93720 | 40 |
| 70 | 90093 | 96408 | 03592 | 93685 | 30 |
| 80 | 90226 | 96576 | 03424 | 93650 | 20 |
| 90 | 90359 | 96745 | 03255 | 93615 | 10 |
| **15 oo** | 90492 | 96913 | 03087 | 93580 | **85 oo** |
| | **9.65** | **9.70** | **0.29** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 69g |
| | 133 | 168 | 168 | 35 | |

| 30g | 134 | 168 | 168 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.65** | ***9.70** | ***0.29** | **9.94** | |
| **15 oo** | 90492 | *96913 | *03087 | 93580 | **85 oo** |
| 10 | 90625 | *97081 | *02919 | 93545 | 90 |
| 20 | 90759 | *97249 | *02751 | 93510 | 80 |
| 30 | 90892 | *97417 | *02583 | 93475 | 70 |
| 40 | 91025 | *97585 | *02415 | 93440 | 60 |
| 50 | 91158 | *97753 | *02247 | 93405 | 50 |
| 60 | 91291 | *97921 | *02079 | 93370 | 40 |
| 70 | 91424 | *98089 | *01911 | 93335 | 30 |
| 80 | 91557 | *98257 | *01743 | 93300 | 20 |
| 90 | 91690 | *98425 | *01575 | 93265 | 10 |
| **16 oo** | 91823 | *98593 | *01407 | 93230 | **84 oo** |
| 10 | 91956 | *98761 | *01239 | 93195 | 90 |
| 20 | 92089 | *98929 | *01071 | 93160 | 80 |
| 30 | 92222 | *99097 | *00903 | 93125 | 70 |
| 40 | 92355 | *99265 | *00735 | 93090 | 60 |
| 50 | 92488 | *99433 | *00567 | 93055 | 50 |
| 60 | 92621 | *99601 | *00399 | 93020 | 40 |
| 70 | 92755 | *99769 | *00231 | 92985 | 30 |
| 80 | 92888 | *99937 | *00063 | 92950 | 20 |
| 90 | 93021 | 00105 | 99895 | 92915 | 10 |
| **17 oo** | 93154 | 00273 | 99727 | 92880 | **83 oo** |
| 10 | 93287 | 00441 | 99559 | 92845 | 90 |
| 20 | 93420 | 00609 | 99391 | 92810 | 80 |
| 30 | 93553 | 00777 | 99223 | 92775 | 70 |
| 40 | 93686 | 00945 | 99055 | 92740 | 60 |
| 50 | 93819 | 01113 | 98887 | 92705 | 50 |
| 60 | 93952 | 01281 | 98719 | 92670 | 40 |
| 70 | 94084 | 01449 | 98551 | 92635 | 30 |
| 80 | 94217 | 01617 | 98383 | 92600 | 20 |
| 90 | 94350 | 01785 | 98215 | 92565 | 10 |
| **18 oo** | 94483 | 01953 | 98047 | 92530 | **82 oo** |
| 10 | 94616 | 02121 | 97879 | 92495 | 90 |
| 20 | 94749 | 02289 | 97711 | 92460 | 80 |
| 30 | 94882 | 02457 | 97543 | 92425 | 70 |
| 40 | 95015 | 02625 | 97375 | 92390 | 60 |
| 50 | 95148 | 02793 | 97207 | 92355 | 50 |
| 60 | 95281 | 02961 | 97039 | 92320 | 40 |
| 70 | 95414 | 03129 | 96871 | 92285 | 30 |
| 80 | 95547 | 03297 | 96703 | 92250 | 20 |
| 90 | 95680 | 03465 | 96535 | 92215 | 10 |
| **19 oo** | 95813 | 03632 | 96368 | 92180 | **81 oo** |
| 10 | 95946 | 03800 | 96200 | 92145 | 90 |
| 20 | 96078 | 03968 | 96032 | 92110 | 80 |
| 30 | 96211 | 04136 | 95864 | 92075 | 70 |
| 40 | 96344 | 04304 | 95696 | 92040 | 60 |
| 50 | 96477 | 04472 | 95528 | 92005 | 50 |
| 60 | 96610 | 04640 | 95360 | 91970 | 40 |
| 70 | 96743 | 04808 | 95192 | 91935 | 30 |
| 80 | 96876 | 04976 | 95024 | 91900 | 20 |
| 90 | 97009 | 05144 | 94856 | 91865 | 10 |
| **20 oo** | 97141 | 05312 | 94688 | 91830 | **80 oo** |
| | **9.65** | **9.71** | **0.28** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 69g |
| | 132 | 167 | 167 | 35 | |

| | 169 | 168 | 167 | 134 | 133 | 132 | 35 | 34 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16,9 | 16,8 | 16,7 | 13,4 | 13,3 | 13,2 | 3,5 | 3,4 | 1 |
| 2 | 33,8 | 33,6 | 33,4 | 26,8 | 26,6 | 26,4 | 7,0 | 6,8 | 2 |
| 3 | 50,7 | 50,4 | 50,1 | 40,2 | 39,9 | 39,6 | 10,5 | 10,2 | 3 |
| 4 | 67,6 | 67,2 | 66,8 | 53,6 | 53,2 | 52,8 | 14,0 | 13,6 | 4 |
| 5 | 84,5 | 84,0 | 83,5 | 67,0 | 66,5 | 66,0 | 17,5 | 17,0 | 5 |
| 6 | 101,4 | 100,8 | 100,2 | 80,4 | 79,8 | 79,2 | 21,0 | 20,4 | 6 |
| 7 | 118,3 | 117,6 | 116,9 | 93,8 | 93,1 | 92,4 | 24,5 | 23,8 | 7 |
| 8 | 135,2 | 134,4 | 133,6 | 107,2 | 106,4 | 105,6 | 28,0 | 27,2 | 8 |
| 9 | 152,1 | 151,2 | 150,3 | 120,6 | 119,7 | 118,8 | 31,5 | 30,6 | 9 |

| 30g | 133 | 168 | 168 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | *9.65 | 9.71 | 0.28 | 9.94 | |
| 20 00 | *97141 | 05312 | 94688 | 91830 | 80 00 |
| 10 | *97274 | 05479 | 94521 | 91795 | 90 |
| 20 | *97407 | 05647 | 94353 | 91760 | 80 |
| 30 | *97540 | 05815 | 94185 | 91725 | 70 |
| 40 | *97673 | 05983 | 94017 | 91690 | 60 |
| 50 | *97806 | 06151 | 93849 | 91655 | 50 |
| 60 | *97939 | 06319 | 93681 | 91620 | 40 |
| 70 | *98071 | 06487 | 93513 | 91585 | 30 |
| 80 | *98204 | 06654 | 93346 | 91550 | 20 |
| 90 | *98337 | 06822 | 93178 | 91515 | 10 |
| 21 00 | *98470 | 06990 | 93010 | 91480 | 79 00 |
| 10 | *98603 | 07158 | 92842 | 91445 | 90 |
| 20 | *98735 | 07326 | 92674 | 91410 | 80 |
| 30 | *98868 | 07494 | 92506 | 91374 | 70 |
| 40 | *99001 | 07662 | 92338 | 91339 | 60 |
| 50 | *99134 | 07829 | 92171 | 91304 | 50 |
| 60 | *99266 | 07997 | 92003 | 91269 | 40 |
| 70 | *99399 | 08165 | 91835 | 91234 | 30 |
| 80 | *99532 | 08333 | 91667 | 91199 | 20 |
| 90 | *99665 | 08501 | 91499 | 91164 | 10 |
| 22 00 | *99798 | 08668 | 91332 | 91129 | 78 00 |
| 10 | *99930 | 08836 | 91164 | 91094 | 90 |
| 20 | 00063 | 09004 | 90996 | 91059 | 80 |
| 30 | 00196 | 09172 | 90828 | 91024 | 70 |
| 40 | 00328 | 09340 | 90660 | 90989 | 60 |
| 50 | 00461 | 09507 | 90493 | 90954 | 50 |
| 60 | 00594 | 09675 | 90325 | 90919 | 40 |
| 70 | 00727 | 09843 | 90157 | 90884 | 30 |
| 80 | 00859 | 10011 | 89989 | 90849 | 20 |
| 90 | 00992 | 10179 | 89821 | 90814 | 10 |
| 23 00 | 01125 | 10346 | 89654 | 90778 | 77 00 |
| 10 | 01257 | 10514 | 89486 | 90743 | 90 |
| 20 | 01390 | 10682 | 89318 | 90708 | 80 |
| 30 | 01523 | 10850 | 89150 | 90673 | 70 |
| 40 | 01656 | 11017 | 88983 | 90638 | 60 |
| 50 | 01788 | 11185 | 88815 | 90603 | 50 |
| 60 | 01921 | 11353 | 88647 | 90568 | 40 |
| 70 | 02054 | 11521 | 88479 | 90533 | 30 |
| 80 | 02186 | 11688 | 88312 | 90498 | 20 |
| 90 | 02319 | 11856 | 88144 | 90463 | 10 |
| 24 00 | 02452 | 12024 | 87976 | 90428 | 76 00 |
| 10 | 02584 | 12192 | 87808 | 90393 | 90 |
| 20 | 02717 | 12359 | 87641 | 90358 | 80 |
| 30 | 02849 | 12527 | 87473 | 90322 | 70 |
| 40 | 02982 | 12695 | 87305 | 90287 | 60 |
| 50 | 03115 | 12862 | 87138 | 90252 | 50 |
| 60 | 03247 | 13030 | 86970 | 90217 | 40 |
| 70 | 03380 | 13198 | 86802 | 90182 | 30 |
| 80 | 03513 | 13366 | 86634 | 90147 | 20 |
| 90 | 03645 | 13533 | 86467 | 90112 | 10 |
| 25 00 | 03778 | 13701 | 86299 | 90077 | 75 00 |
| | 9.66 | 9.71 | 0.28 | 9.94 | c cc |
| | log cos | log ctg | log tg | log sin | 69g |
| | 132 | 167 | 167 | 36 | |

| 30g | 133 | 168 | 168 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | 9.66 | 9.71 | 0.28 | 9.94 | |
| 25 00 | 03778 | 13701 | 86299 | 90077 | 75 00 |
| 10 | 03910 | 13869 | 86131 | 90042 | 90 |
| 20 | 04043 | 14036 | 85964 | 90007 | 80 |
| 30 | 04176 | 14204 | 85796 | 89971 | 70 |
| 40 | 04308 | 14372 | 85628 | 89936 | 60 |
| 50 | 04441 | 14539 | 85461 | 89901 | 50 |
| 60 | 04573 | 14707 | 85293 | 89866 | 40 |
| 70 | 04706 | 14875 | 85125 | 89831 | 30 |
| 80 | 04838 | 15042 | 84958 | 89796 | 20 |
| 90 | 04971 | 15210 | 84790 | 89761 | 10 |
| 26 00 | 05103 | 15378 | 84622 | 89726 | 74 00 |
| 10 | 05236 | 15545 | 84455 | 89691 | 90 |
| 20 | 05369 | 15713 | 84287 | 89656 | 80 |
| 30 | 05501 | 15881 | 84119 | 89620 | 70 |
| 40 | 05634 | 16048 | 83952 | 89585 | 60 |
| 50 | 05766 | 16216 | 83784 | 89550 | 50 |
| 60 | 05899 | 16384 | 83616 | 89515 | 40 |
| 70 | 06031 | 16551 | 83449 | 89480 | 30 |
| 80 | 06164 | 16719 | 83281 | 89445 | 20 |
| 90 | 06296 | 16886 | 83114 | 89410 | 10 |
| 27 00 | 06429 | 17054 | 82946 | 89375 | 73 00 |
| 10 | 06561 | 17222 | 82778 | 89339 | 90 |
| 20 | 06694 | 17389 | 82611 | 89304 | 80 |
| 30 | 06826 | 17557 | 82443 | 89269 | 70 |
| 40 | 06959 | 17725 | 82275 | 89234 | 60 |
| 50 | 07091 | 17892 | 82108 | 89199 | 50 |
| 60 | 07224 | 18060 | 81940 | 89164 | 40 |
| 70 | 07356 | 18227 | 81773 | 89129 | 30 |
| 80 | 07488 | 18395 | 81605 | 89094 | 20 |
| 90 | 07621 | 18563 | 81437 | 89058 | 10 |
| 28 00 | 07753 | 18730 | 81270 | 89023 | 72 00 |
| 10 | 07886 | 18898 | 81102 | 88988 | 90 |
| 20 | 08018 | 19065 | 80935 | 88953 | 80 |
| 30 | 08151 | 19233 | 80767 | 88918 | 70 |
| 40 | 08283 | 19400 | 80600 | 88883 | 60 |
| 50 | 08416 | 19568 | 80432 | 88848 | 50 |
| 60 | 08548 | 19736 | 80264 | 88812 | 40 |
| 70 | 08680 | 19903 | 80097 | 88777 | 30 |
| 80 | 08813 | 20071 | 79929 | 88742 | 20 |
| 90 | 08945 | 20238 | 79762 | 88707 | 10 |
| 29 00 | 09078 | 20406 | 79594 | 88672 | 71 00 |
| 10 | 09210 | 20573 | 79427 | 88637 | 90 |
| 20 | 09342 | 20741 | 79259 | 88602 | 80 |
| 30 | 09475 | 20908 | 79092 | 88566 | 70 |
| 40 | 09607 | 21076 | 78924 | 88531 | 60 |
| 50 | 09739 | 21243 | 78757 | 88496 | 50 |
| 60 | 09872 | 21411 | 78589 | 88461 | 40 |
| 70 | 10004 | 21578 | 78422 | 88426 | 30 |
| 80 | 10137 | 21746 | 78254 | 88391 | 20 |
| 90 | 10269 | 21913 | 78087 | 88355 | 10 |
| 30 00 | 10401 | 22081 | 77919 | 88320 | 70 00 |
| | 9.66 | 9.71 | 0.28 | 9.94 | c cc |
| | log cos | log ctg | log tg | log sin | 69g |
| | 132 | 167 | 167 | 36 | |

| | 168 | 167 | 133 | 132 | 36 | 35 | |
|---|---|---|---|---|---|---|---|
| 1 | 16,8 | 16,7 | 13,3 | 13,2 | 3,6 | 3,5 | 1 |
| 2 | 33,6 | 33,4 | 26,6 | 26,4 | 7,2 | 7,0 | 2 |
| 3 | 50,4 | 50,1 | 39,9 | 39,6 | 10,8 | 10,5 | 3 |
| 4 | 67,2 | 66,8 | 53,2 | 52,8 | 14,4 | 14,0 | 4 |
| 5 | 84,0 | 83,5 | 66,5 | 66,0 | 18,0 | 17,5 | 5 |
| 6 | 100,8 | 100,2 | 79,8 | 79,2 | 21,6 | 21,0 | 6 |
| 7 | 117,6 | 116,9 | 93,1 | 92,4 | 25,2 | 24,5 | 7 |
| 8 | 134,4 | 133,6 | 106,4 | 105,6 | 28,8 | 28,0 | 8 |
| 9 | 151,2 | 150,3 | 119,7 | 118,8 | 32,4 | 31,5 | 9 |

| 30g | 133 | 168 | 168 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.71** | **0.28** | **9.94** | |
| **30 oo** | 10401 | 22081 | 77919 | 88320 | **70 oo** |
| 10 | 10534 | 22248 | 77752 | 88285 | 90 |
| 20 | 10666 | 22416 | 77584 | 88250 | 80 |
| 30 | 10798 | 22583 | 77417 | 88215 | 70 |
| 40 | 10931 | 22751 | 77249 | 88180 | 60 |
| 50 | 11063 | 22918 | 77082 | 88144 | 50 |
| 60 | 11195 | 23086 | 76914 | 88109 | 40 |
| 70 | 11327 | 23253 | 76747 | 88074 | 30 |
| 80 | 11460 | 23421 | 76579 | 88039 | 20 |
| 90 | 11592 | 23588 | 76412 | 88004 | 10 |
| **31 oo** | 11724 | 23756 | 76244 | 87969 | **69 oo** |
| 10 | 11857 | 23923 | 76077 | 87933 | 90 |
| 20 | 11989 | 24091 | 75909 | 87898 | 80 |
| 30 | 12121 | 24258 | 75742 | 87863 | 70 |
| 40 | 12253 | 24426 | 75574 | 87828 | 60 |
| 50 | 12386 | 24593 | 75407 | 87793 | 50 |
| 60 | 12518 | 24761 | 75239 | 87757 | 40 |
| 70 | 12650 | 24928 | 75072 | 87722 | 30 |
| 80 | 12783 | 25095 | 74905 | 87687 | 20 |
| 90 | 12915 | 25263 | 74737 | 87652 | 10 |
| **32 oo** | 13047 | 25430 | 74570 | 87617 | **68 oo** |
| 10 | 13179 | 25598 | 74402 | 87581 | 90 |
| 20 | 13311 | 25765 | 74235 | 87546 | 80 |
| 30 | 13444 | 25933 | 74067 | 87511 | 70 |
| 40 | 13576 | 26100 | 73900 | 87476 | 60 |
| 50 | 13708 | 26267 | 73733 | 87441 | 50 |
| 60 | 13840 | 26435 | 73565 | 87405 | 40 |
| 70 | 13973 | 26602 | 73398 | 87370 | 30 |
| 80 | 14105 | 26770 | 73230 | 87335 | 20 |
| 90 | 14237 | 26937 | 73063 | 87300 | 10 |
| **33 oo** | 14369 | 27104 | 72896 | 87265 | **67 oo** |
| 10 | 14501 | 27272 | 72728 | 87229 | 90 |
| 20 | 14634 | 27439 | 72561 | 87194 | 80 |
| 30 | 14766 | 27607 | 72393 | 87159 | 70 |
| 40 | 14898 | 27774 | 72226 | 87124 | 60 |
| 50 | 15030 | 27941 | 72059 | 87089 | 50 |
| 60 | 15162 | 28109 | 71891 | 87053 | 40 |
| 70 | 15294 | 28276 | 71724 | 87018 | 30 |
| 80 | 15427 | 28444 | 71556 | 86983 | 20 |
| 90 | 15559 | 28611 | 71389 | 86948 | 10 |
| **34 oo** | 15691 | 28778 | 71222 | 86913 | **66 oo** |
| 10 | 15823 | 28946 | 71054 | 86877 | 90 |
| 20 | 15955 | 29113 | 70887 | 86842 | 80 |
| 30 | 16087 | 29280 | 70720 | 86807 | 70 |
| 40 | 16219 | 29448 | 70552 | 86772 | 60 |
| 50 | 16351 | 29615 | 70385 | 86736 | 50 |
| 60 | 16484 | 29782 | 70218 | 86701 | 40 |
| 70 | 16616 | 29950 | 70050 | 86666 | 30 |
| 80 | 16748 | 30117 | 69883 | 86631 | 20 |
| 90 | 16880 | 30284 | 69716 | 86596 | 10 |
| **35 oo** | 17012 | 30452 | 69548 | 86560 | **65 oo** |
| | **9.66** | **9.71** | **0.28** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 69g |
| | 132 | 167 | 167 | 36 | |

| 30g | 133 | 168 | 168 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.71** | **0.28** | **9.94** | |
| **35 oo** | 17012 | 30452 | 69548 | 86560 | **65 oo** |
| 10 | 17144 | 30619 | 69381 | 86525 | 90 |
| 20 | 17276 | 30786 | 69214 | 86490 | 80 |
| 30 | 17408 | 30954 | 69046 | 86455 | 70 |
| 40 | 17540 | 31121 | 68879 | 86419 | 60 |
| 50 | 17672 | 31288 | 68712 | 86384 | 50 |
| 60 | 17804 | 31455 | 68545 | 86349 | 40 |
| 70 | 17936 | 31623 | 68377 | 86314 | 30 |
| 80 | 18068 | 31790 | 68210 | 86278 | 20 |
| 90 | 18200 | 31957 | 68043 | 86243 | 10 |
| **36 oo** | 18333 | 32125 | 67875 | 86208 | **64 oo** |
| 10 | 18465 | 32292 | 67708 | 86173 | 90 |
| 20 | 18597 | 32459 | 67541 | 86137 | 80 |
| 30 | 18729 | 32626 | 67374 | 86102 | 70 |
| 40 | 18861 | 32794 | 67206 | 86067 | 60 |
| 50 | 18993 | 32961 | 67039 | 86032 | 50 |
| 60 | 19125 | 33128 | 66872 | 85996 | 40 |
| 70 | 19257 | 33296 | 66704 | 85961 | 30 |
| 80 | 19389 | 33463 | 66537 | 85926 | 20 |
| 90 | 19521 | 33630 | 66370 | 85891 | 10 |
| **37 oo** | 19653 | 33797 | 66203 | 85855 | **63 oo** |
| 10 | 19785 | 33965 | 66035 | 85820 | 90 |
| 20 | 19917 | 34132 | 65868 | 85785 | 80 |
| 30 | 20049 | 34299 | 65701 | 85750 | 70 |
| 40 | 20181 | 34466 | 65534 | 85714 | 60 |
| 50 | 20312 | 34633 | 65367 | 85679 | 50 |
| 60 | 20444 | 34801 | 65199 | 85644 | 40 |
| 70 | 20576 | 34968 | 65032 | 85608 | 30 |
| 80 | 20708 | 35135 | 64865 | 85573 | 20 |
| 90 | 20840 | 35302 | 64698 | 85538 | 10 |
| **38 oo** | 20972 | 35470 | 64530 | 85503 | **62 oo** |
| 10 | 21104 | 35637 | 64363 | 85467 | 90 |
| 20 | 21236 | 35804 | 64196 | 85432 | 80 |
| 30 | 21368 | 35971 | 64029 | 85397 | 70 |
| 40 | 21500 | 36138 | 63862 | 85362 | 60 |
| 50 | 21632 | 36306 | 63694 | 85326 | 50 |
| 60 | 21764 | 36473 | 63527 | 85291 | 40 |
| 70 | 21896 | 36640 | 63360 | 85256 | 30 |
| 80 | 22028 | 36807 | 63193 | 85220 | 20 |
| 90 | 22159 | 36974 | 63026 | 85185 | 10 |
| **39 oo** | 22291 | 37141 | 62859 | 85150 | **61 oo** |
| 10 | 22423 | 37309 | 62691 | 85115 | 90 |
| 20 | 22555 | 37476 | 62524 | 85079 | 80 |
| 30 | 22687 | 37643 | 62357 | 85044 | 70 |
| 40 | 22819 | 37810 | 62190 | 85009 | 60 |
| 50 | 22951 | 37977 | 62023 | 84973 | 50 |
| 60 | 23083 | 38144 | 61856 | 84938 | 40 |
| 70 | 23214 | 38312 | 61688 | 84903 | 30 |
| 80 | 23346 | 38479 | 61521 | 84868 | 20 |
| 90 | 23478 | 38646 | 61354 | 84832 | 10 |
| **40 oo** | 23610 | 38813 | 61187 | 84797 | **60 oo** |
| | **9.66** | **9.71** | **0.28** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 69g |
| | 131 | 167 | 167 | 36 | |

| | 168 | 167 | 133 | 132 | 131 | 36 | 35 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,8 | 16,7 | 13,3 | 13,2 | 13,1 | 3,6 | 3,5 | 1 |
| 2 | 33,6 | 33,4 | 26,6 | 26,4 | 26,2 | 7,2 | 7,0 | 2 |
| 3 | 50,4 | 50,1 | 39,9 | 39,6 | 39,3 | 10,8 | 10,5 | 3 |
| 4 | 67,2 | 66,8 | 53,2 | 52,8 | 52,4 | 14,4 | 14,0 | 4 |
| 5 | 84,0 | 83,5 | 66,5 | 66,0 | 65,5 | 18,0 | 17,5 | 5 |
| 6 | 100,8 | 100,2 | 79,8 | 79,2 | 78,6 | 21,6 | 21,0 | 6 |
| 7 | 117,6 | 116,9 | 93,1 | 92,4 | 91,7 | 25,2 | 24,5 | 7 |
| 8 | 134,4 | 133,6 | 106,4 | 105,6 | 104,8 | 28,8 | 28,0 | 8 |
| 9 | 151,2 | 150,3 | 119,7 | 118,8 | 117,9 | 32,4 | 31,5 | 9 |

| 30g | 132 | 168 | 168 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.71** | **0.28** | **9.94** | |
| **40 oo** | 23610 | 38813 | 61187 | 84797 | **60 oo** |
| 10 | 23742 | 38980 | 61020 | 84762 | 90 |
| 20 | 23874 | 39147 | 60853 | 84726 | 80 |
| 30 | 24005 | 39314 | 60686 | 84691 | 70 |
| 40 | 24137 | 39481 | 60519 | 84656 | 60 |
| 50 | 24269 | 39649 | 60351 | 84620 | 50 |
| 60 | 24401 | 39816 | 60184 | 84585 | 40 |
| 70 | 24533 | 39983 | 60017 | 84550 | 30 |
| 80 | 24664 | 40150 | 59850 | 84514 | 20 |
| 90 | 24796 | 40317 | 59683 | 84479 | 10 |
| **41 oo** | 24928 | 40484 | 59516 | 84444 | **59 oo** |
| 10 | 25060 | 40651 | 59349 | 84409 | 90 |
| 20 | 25192 | 40818 | 59182 | 84373 | 80 |
| 30 | 25323 | 40985 | 59015 | 84338 | 70 |
| 40 | 25455 | 41152 | 58848 | 84303 | 60 |
| 50 | 25587 | 41320 | 58680 | 84267 | 50 |
| 60 | 25719 | 41487 | 58513 | 84232 | 40 |
| 70 | 25850 | 41654 | 58346 | 84197 | 30 |
| 80 | 25982 | 41821 | 58179 | 84161 | 20 |
| 90 | 26114 | 41988 | 58012 | 84126 | 10 |
| **42 oo** | 26246 | 42155 | 57845 | 84091 | **58 oo** |
| 10 | 26377 | 42322 | 57678 | 84055 | 90 |
| 20 | 26509 | 42489 | 57511 | 84020 | 80 |
| 30 | 26641 | 42656 | 57344 | 83985 | 70 |
| 40 | 26772 | 42823 | 57177 | 83949 | 60 |
| 50 | 26904 | 42990 | 57010 | 83914 | 50 |
| 60 | 27036 | 43157 | 56843 | 83879 | 40 |
| 70 | 27168 | 43324 | 56676 | 83843 | 30 |
| 80 | 27299 | 43491 | 56509 | 83808 | 20 |
| 90 | 27431 | 43658 | 56342 | 83773 | 10 |
| **43 oo** | 27563 | 43825 | 56175 | 83737 | **57 oo** |
| 10 | 27694 | 43992 | 56008 | 83702 | 90 |
| 20 | 27826 | 44159 | 55841 | 83667 | 80 |
| 30 | 27958 | 44326 | 55674 | 83631 | 70 |
| 40 | 28089 | 44493 | 55507 | 83596 | 60 |
| 50 | 28221 | 44660 | 55340 | 83561 | 50 |
| 60 | 28353 | 44827 | 55173 | 83525 | 40 |
| 70 | 28484 | 44994 | 55006 | 83490 | 30 |
| 80 | 28616 | 45161 | 54839 | 83455 | 20 |
| 90 | 28748 | 45328 | 54672 | 83419 | 10 |
| **44 oo** | 28879 | 45495 | 54505 | 83384 | **56 oo** |
| 10 | 29011 | 45662 | 54338 | 83348 | 90 |
| 20 | 29142 | 45829 | 54171 | 83313 | 80 |
| 30 | 29274 | 45996 | 54004 | 83278 | 70 |
| 40 | 29406 | 46163 | 53837 | 83242 | 60 |
| 50 | 29537 | 46330 | 53670 | 83207 | 50 |
| 60 | 29669 | 46497 | 53503 | 83172 | 40 |
| 70 | 29800 | 46664 | 53336 | 83136 | 30 |
| 80 | 29932 | 46831 | 53169 | 83101 | 20 |
| 90 | 30064 | 46998 | 53002 | 83066 | 10 |
| **45 oo** | 30195 | 47165 | 52835 | 83030 | **55 oo** |
| | **9.66** | **9.71** | **0.28** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **69g** |
| | 131 | 167 | 167 | 36 | |

| 30g | 132 | 167 | 167 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.71** | **0.28** | **9.94** | |
| **45 oo** | 30195 | 47165 | 52835 | 83030 | **55 oo** |
| 10 | 30327 | 47332 | 52668 | 82995 | 90 |
| 20 | 30458 | 47499 | 52501 | 82959 | 80 |
| 30 | 30590 | 47666 | 52334 | 82924 | 70 |
| 40 | 30721 | 47833 | 52167 | 82889 | 60 |
| 50 | 30853 | 48000 | 52000 | 82853 | 50 |
| 60 | 30985 | 48167 | 51833 | 82818 | 40 |
| 70 | 31116 | 48334 | 51666 | 82783 | 30 |
| 80 | 31248 | 48500 | 51500 | 82747 | 20 |
| 90 | 31379 | 48667 | 51333 | 82712 | 10 |
| **46 oo** | 31511 | 48834 | 51166 | 82676 | **54 oo** |
| 10 | 31642 | 49001 | 50999 | 82641 | 90 |
| 20 | 31774 | 49168 | 50832 | 82606 | 80 |
| 30 | 31905 | 49335 | 50665 | 82570 | 70 |
| 40 | 32037 | 49502 | 50498 | 82535 | 60 |
| 50 | 32168 | 49669 | 50331 | 82500 | 50 |
| 60 | 32300 | 49836 | 50164 | 82464 | 40 |
| 70 | 32431 | 50003 | 49997 | 82429 | 30 |
| 80 | 32563 | 50169 | 49831 | 82393 | 20 |
| 90 | 32694 | 50336 | 49664 | 82358 | 10 |
| **47 oo** | 32826 | 50503 | 49497 | 82323 | **53 oo** |
| 10 | 32957 | 50670 | 49330 | 82287 | 90 |
| 20 | 33089 | 50837 | 49163 | 82252 | 80 |
| 30 | 33220 | 51004 | 48996 | 82216 | 70 |
| 40 | 33352 | 51171 | 48829 | 82181 | 60 |
| 50 | 33483 | 51338 | 48662 | 82146 | 50 |
| 60 | 33615 | 51504 | 48496 | 82110 | 40 |
| 70 | 33746 | 51671 | 48329 | 82075 | 30 |
| 80 | 33877 | 51838 | 48162 | 82039 | 20 |
| 90 | 34009 | 52005 | 47995 | 82004 | 10 |
| **48 oo** | 34140 | 52172 | 47828 | 81969 | **52 oo** |
| 10 | 34272 | 52339 | 47661 | 81933 | 90 |
| 20 | 34403 | 52505 | 47495 | 81898 | 80 |
| 30 | 34535 | 52672 | 47328 | 81862 | 70 |
| 40 | 34666 | 52839 | 47161 | 81827 | 60 |
| 50 | 34797 | 53006 | 46994 | 81791 | 50 |
| 60 | 34929 | 53173 | 46827 | 81756 | 40 |
| 70 | 35060 | 53340 | 46660 | 81721 | 30 |
| 80 | 35192 | 53506 | 46494 | 81685 | 20 |
| 90 | 35323 | 53673 | 46327 | 81650 | 10 |
| **49 oo** | 35454 | 53840 | 46160 | 81614 | **51 oo** |
| 10 | 35586 | 54007 | 45993 | 81579 | 90 |
| 20 | 35717 | 54174 | 45826 | 81544 | 80 |
| 30 | 35848 | 54340 | 45660 | 81508 | 70 |
| 40 | 35980 | 54507 | 45493 | 81473 | 60 |
| 50 | 36111 | 54674 | 45326 | 81437 | 50 |
| 60 | 36242 | 54841 | 45159 | 81402 | 40 |
| 70 | 36374 | 55007 | 44993 | 81366 | 30 |
| 80 | 36505 | 55174 | 44826 | 81331 | 20 |
| 90 | 36637 | 55341 | 44659 | 81295 | 10 |
| **50 oo** | 36768 | 55508 | 44492 | 81260 | **50 oo** |
| | **9.66** | **9.71** | **0.28** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **69g** |
| | 131 | 166 | 166 | 36 | |

| | 168 | 167 | 166 | 132 | 131 | 36 | 35 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,8 | 16,7 | 16,6 | 13,2 | 13,1 | 3,6 | 3,5 | 1 |
| 2 | 33,6 | 33,4 | 33,2 | 26,4 | 26,2 | 7,2 | 7,0 | 2 |
| 3 | 50,4 | 50,1 | 49,8 | 39,6 | 39,3 | 10,8 | 10,5 | 3 |
| 4 | 67,2 | 66,8 | 66,4 | 52,8 | 52,4 | 14,4 | 14,0 | 4 |
| 5 | 84,0 | 83,5 | 83,0 | 66,0 | 65,5 | 18,0 | 17,5 | 5 |
| 6 | 100,8 | 100,2 | 99,6 | 79,2 | 78,6 | 21,6 | 21,0 | 6 |
| 7 | 117,6 | 116,9 | 116,2 | 92,4 | 91,7 | 25,2 | 24,5 | 7 |
| 8 | 134,4 | 133,6 | 132,8 | 105,6 | 104,8 | 28,8 | 28,0 | 8 |
| 9 | 151,2 | 150,3 | 149,4 | 118,8 | 117,9 | 32,4 | 31,5 | 9 |

| 30g | 132 | 167 | 167 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.71** | **0.28** | **9.94** | |
| **50 oo** | 36768 | 55508 | 44492 | 81260 | **50 oo** |
| 10 | 36899 | 55675 | 44325 | 81225 | 90 |
| 20 | 37030 | 55841 | 44159 | 81189 | 80 |
| 30 | 37162 | 56008 | 43992 | 81154 | 70 |
| 40 | 37293 | 56175 | 43825 | 81118 | 60 |
| 50 | 37424 | 56342 | 43658 | 81083 | 50 |
| 60 | 37556 | 56508 | 43492 | 81047 | 40 |
| 70 | 37687 | 56675 | 43325 | 81012 | 30 |
| 80 | 37818 | 56842 | 43158 | 80977 | 20 |
| 90 | 37950 | 57009 | 42991 | 80941 | 10 |
| **51 oo** | 38081 | 57175 | 42825 | 80906 | **49 oo** |
| 10 | 38212 | 57342 | 42658 | 80870 | 90 |
| 20 | 38343 | 57509 | 42491 | 80835 | 80 |
| 30 | 38475 | 57675 | 42325 | 80799 | 70 |
| 40 | 38606 | 57842 | 42158 | 80764 | 60 |
| 50 | 38737 | 58009 | 41991 | 80728 | 50 |
| 60 | 38868 | 58176 | 41824 | 80693 | 40 |
| 70 | 39000 | 58342 | 41658 | 80657 | 30 |
| 80 | 39131 | 58509 | 41491 | 80622 | 20 |
| 90 | 39262 | 58676 | 41324 | 80587 | 10 |
| **52 oo** | 39393 | 58842 | 41158 | 80551 | **48 oo** |
| 10 | 39525 | 59009 | 40991 | 80516 | 90 |
| 20 | 39656 | 59176 | 40824 | 80480 | 80 |
| 30 | 39787 | 59342 | 40658 | 80445 | 70 |
| 40 | 39918 | 59509 | 40491 | 80409 | 60 |
| 50 | 40049 | 59676 | 40324 | 80374 | 50 |
| 60 | 40181 | 59842 | 40158 | 80338 | 40 |
| 70 | 40312 | 60009 | 39991 | 80303 | 30 |
| 80 | 40443 | 60176 | 39824 | 80267 | 20 |
| 90 | 40574 | 60342 | 39658 | 80232 | 10 |
| **53 oo** | 40705 | 60509 | 39491 | 80196 | **47 oo** |
| 10 | 40837 | 60676 | 39324 | 80161 | 90 |
| 20 | 40968 | 60842 | 39158 | 80125 | 80 |
| 30 | 41099 | 61009 | 38991 | 80090 | 70 |
| 40 | 41230 | 61176 | 38824 | 80054 | 60 |
| 50 | 41361 | 61342 | 38658 | 80019 | 50 |
| 60 | 41492 | 61509 | 38491 | 79983 | 40 |
| 70 | 41623 | 61676 | 38324 | 79948 | 30 |
| 80 | 41755 | 61842 | 38158 | 79912 | 20 |
| 90 | 41886 | 62009 | 37991 | 79877 | 10 |
| **54 oo** | 42017 | 62175 | 37825 | 79841 | **46 oo** |
| 10 | 42148 | 62342 | 37658 | 79806 | 90 |
| 20 | 42279 | 62509 | 37491 | 79771 | 80 |
| 30 | 42410 | 62675 | 37325 | 79735 | 70 |
| 40 | 42541 | 62842 | 37158 | 79700 | 60 |
| 50 | 42672 | 63008 | 36992 | 79664 | 50 |
| 60 | 42804 | 63175 | 36825 | 79629 | 40 |
| 70 | 42935 | 63342 | 36658 | 79593 | 30 |
| 80 | 43066 | 63508 | 36492 | 79558 | 20 |
| 90 | 43197 | 63675 | 36325 | 79522 | 10 |
| **55 oo** | 43328 | 63841 | 36159 | 79487 | **45 oo** |
| | **9.66** | **9.71** | **0.28** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **69g** |
| | 131 | 166 | 166 | 36 | |

| 30g | 131 | 167 | 167 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.71** | **0.28** | **9.94** | |
| **55 oo** | 43328 | 63841 | 36159 | 79487 | **45 oo** |
| 10 | 43459 | 64008 | 35992 | 79451 | 90 |
| 20 | 43590 | 64175 | 35825 | 79415 | 80 |
| 30 | 43721 | 64341 | 35659 | 79380 | 70 |
| 40 | 43852 | 64508 | 35492 | 79344 | 60 |
| 50 | 43983 | 64674 | 35326 | 79309 | 50 |
| 60 | 44114 | 64841 | 35159 | 79273 | 40 |
| 70 | 44245 | 65007 | 34993 | 79238 | 30 |
| 80 | 44376 | 65174 | 34826 | 79202 | 20 |
| 90 | 44507 | 65340 | 34660 | 79167 | 10 |
| **56 oo** | 44638 | 65507 | 34493 | 79131 | **44 oo** |
| 10 | 44769 | 65674 | 34326 | 79096 | 90 |
| 20 | 44900 | 65840 | 34160 | 79060 | 80 |
| 30 | 45031 | 66007 | 33993 | 79025 | 70 |
| 40 | 45162 | 66173 | 33827 | 78989 | 60 |
| 50 | 45293 | 66340 | 33660 | 78954 | 50 |
| 60 | 45424 | 66506 | 33494 | 78918 | 40 |
| 70 | 45555 | 66673 | 33327 | 78883 | 30 |
| 80 | 45686 | 66839 | 33161 | 78847 | 20 |
| 90 | 45817 | 67006 | 32994 | 78812 | 10 |
| **57 oo** | 45948 | 67172 | 32828 | 78776 | **43 oo** |
| 10 | 46079 | 67339 | 32661 | 78741 | 90 |
| 20 | 46210 | 67505 | 32495 | 78705 | 80 |
| 30 | 46341 | 67672 | 32328 | 78670 | 70 |
| 40 | 46472 | 67838 | 32162 | 78634 | 60 |
| 50 | 46603 | 68005 | 31995 | 78598 | 50 |
| 60 | 46734 | 68171 | 31829 | 78563 | 40 |
| 70 | 46865 | 68338 | 31662 | 78527 | 30 |
| 80 | 46996 | 68504 | 31496 | 78492 | 20 |
| 90 | 47127 | 68671 | 31329 | 78456 | 10 |
| **58 oo** | 47258 | 68837 | 31163 | 78421 | **42 oo** |
| 10 | 47389 | 69004 | 30996 | 78385 | 90 |
| 20 | 47520 | 69170 | 30830 | 78350 | 80 |
| 30 | 47651 | 69337 | 30663 | 78314 | 70 |
| 40 | 47782 | 69503 | 30497 | 78279 | 60 |
| 50 | 47912 | 69669 | 30331 | 78243 | 50 |
| 60 | 48043 | 69836 | 30164 | 78207 | 40 |
| 70 | 48174 | 70002 | 29998 | 78172 | 30 |
| 80 | 48305 | 70169 | 29831 | 78136 | 20 |
| 90 | 48436 | 70335 | 29665 | 78101 | 10 |
| **59 oo** | 48567 | 70502 | 29498 | 78065 | **41 oo** |
| 10 | 48698 | 70668 | 29332 | 78030 | 90 |
| 20 | 48829 | 70834 | 29166 | 77994 | 80 |
| 30 | 48959 | 71001 | 28999 | 77959 | 70 |
| 40 | 49090 | 71167 | 28833 | 77923 | 60 |
| 50 | 49221 | 71334 | 28666 | 77887 | 50 |
| 60 | 49352 | 71500 | 28500 | 77852 | 40 |
| 70 | 49483 | 71667 | 28333 | 77816 | 30 |
| 80 | 49614 | 71833 | 28167 | 77781 | 20 |
| 90 | 49745 | 71999 | 28001 | 77745 | 10 |
| **60 oo** | 49875 | 72166 | 27834 | 77710 | **40 oo** |
| | **9.66** | **9.71** | **0.28** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **69g** |
| | 130 | 166 | 166 | 36 | |

| | 167 | 166 | 132 | 131 | 130 | 36 | 35 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,7 | 16,6 | 13,2 | 13,1 | 13,0 | 3,6 | 3,5 | 1 |
| 2 | 33,4 | 33,2 | 26,4 | 26,2 | 26,0 | 7,2 | 7,0 | 2 |
| 3 | 50,1 | 49,8 | 39,6 | 39,3 | 39,0 | 10,8 | 10,5 | 3 |
| 4 | 66,8 | 66,4 | 52,8 | 52,4 | 52,0 | 14,4 | 14,0 | 4 |
| 5 | 83,5 | 83,0 | 66,0 | 65,5 | 65,0 | 18,0 | 17,5 | 5 |
| 6 | 100,2 | 99,6 | 79,2 | 78,6 | 78,0 | 21,6 | 21,0 | 6 |
| 7 | 116,9 | 116,2 | 92,4 | 91,7 | 91,0 | 25,2 | 24,5 | 7 |
| 8 | 133,6 | 132,8 | 105,6 | 104,8 | 104,0 | 28,8 | 28,0 | 8 |
| 9 | 150,3 | 149,4 | 118,8 | 117,9 | 117,0 | 32,4 | 31,5 | 9 |

| 30g | 131 | 167 | 167 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.71** | **0.28** | **9.94** | |
| **60 oo** | 49875 | 72166 | 27834 | 77710 | **40 oo** |
| 10 | 50006 | 72332 | 27668 | 77674 | 90 |
| 20 | 50137 | 72499 | 27501 | 77638 | 80 |
| 30 | 50268 | 72665 | 27335 | 77603 | 70 |
| 40 | 50399 | 72831 | 27169 | 77567 | 60 |
| 50 | 50529 | 72998 | 27002 | 77532 | 50 |
| 60 | 50660 | 73164 | 26836 | 77496 | 40 |
| 70 | 50791 | 73330 | 26670 | 77461 | 30 |
| 80 | 50922 | 73497 | 26503 | 77425 | 20 |
| 90 | 51053 | 73663 | 26337 | 77389 | 10 |
| **61 oo** | 51183 | 73830 | 26170 | 77354 | **39 oo** |
| 10 | 51314 | 73996 | 26004 | 77318 | 90 |
| 20 | 51445 | 74162 | 25838 | 77283 | 80 |
| 30 | 51576 | 74329 | 25671 | 77247 | 70 |
| 40 | 51706 | 74495 | 25505 | 77211 | 60 |
| 50 | 51837 | 74661 | 25339 | 77176 | 50 |
| 60 | 51968 | 74828 | 25172 | 77140 | 40 |
| 70 | 52099 | 74994 | 25006 | 77105 | 30 |
| 80 | 52229 | 75160 | 24840 | 77069 | 20 |
| 90 | 52360 | 75327 | 24673 | 77033 | 10 |
| **62 oo** | 52491 | 75493 | 24507 | 76998 | **38 oo** |
| 10 | 52622 | 75659 | 24341 | 76962 | 90 |
| 20 | 52752 | 75826 | 24174 | 76927 | 80 |
| 30 | 52883 | 75992 | 24008 | 76891 | 70 |
| 40 | 53014 | 76158 | 23842 | 76855 | 60 |
| 50 | 53144 | 76325 | 23675 | 76820 | 50 |
| 60 | 53275 | 76491 | 23509 | 76784 | 40 |
| 70 | 53406 | 76657 | 23343 | 76749 | 30 |
| 80 | 53536 | 76823 | 23177 | 76713 | 20 |
| 90 | 53667 | 76990 | 23010 | 76677 | 10 |
| **63 oo** | 53798 | 77156 | 22844 | 76642 | **37 oo** |
| 10 | 53928 | 77322 | 22678 | 76606 | 90 |
| 20 | 54059 | 77489 | 22511 | 76571 | 80 |
| 30 | 54190 | 77655 | 22345 | 76535 | 70 |
| 40 | 54320 | 77821 | 22179 | 76499 | 60 |
| 50 | 54451 | 77987 | 22013 | 76464 | 50 |
| 60 | 54582 | 78154 | 21846 | 76428 | 40 |
| 70 | 54712 | 78320 | 21680 | 76392 | 30 |
| 80 | 54843 | 78486 | 21514 | 76357 | 20 |
| 90 | 54974 | 78653 | 21347 | 76321 | 10 |
| **64 oo** | 55104 | 78819 | 21181 | 76286 | **36 oo** |
| 10 | 55235 | 78985 | 21015 | 76250 | 90 |
| 20 | 55366 | 79151 | 20849 | 76214 | 80 |
| 30 | 55496 | 79317 | 20683 | 76179 | 70 |
| 40 | 55627 | 79484 | 20516 | 76143 | 60 |
| 50 | 55757 | 79650 | 20350 | 76107 | 50 |
| 60 | 55888 | 79816 | 20184 | 76072 | 40 |
| 70 | 56019 | 79982 | 20018 | 76036 | 30 |
| 80 | 56149 | 80149 | 19851 | 76000 | 20 |
| 90 | 56280 | 80315 | 19685 | 75965 | 10 |
| **65 oo** | 56410 | 80481 | 19519 | 75929 | **35 oo** |
| | **9.66** | **9.71** | **0.28** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **69g** |
| | 130 | 166 | 166 | 36 | |

| 30g | 131 | 167 | 167 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.71** | **0.28** | **9.94** | |
| **65 oo** | 56410 | 80481 | 19519 | 75929 | **35 oo** |
| 10 | 56541 | 80647 | 19353 | 75894 | 90 |
| 20 | 56671 | 80814 | 19186 | 75858 | 80 |
| 30 | 56802 | 80980 | 19020 | 75822 | 70 |
| 40 | 56933 | 81146 | 18854 | 75787 | 60 |
| 50 | 57063 | 81312 | 18688 | 75751 | 50 |
| 60 | 57194 | 81478 | 18522 | 75715 | 40 |
| 70 | 57324 | 81645 | 18355 | 75680 | 30 |
| 80 | 57455 | 81811 | 18189 | 75644 | 20 |
| 90 | 57585 | 81977 | 18023 | 75608 | 10 |
| **66 oo** | 57716 | 82143 | 17857 | 75573 | **34 oo** |
| 10 | 57846 | 82309 | 17691 | 75537 | 90 |
| 20 | 57977 | 82475 | 17525 | 75501 | 80 |
| 30 | 58107 | 82642 | 17358 | 75466 | 70 |
| 40 | 58238 | 82808 | 17192 | 75430 | 60 |
| 50 | 58368 | 82974 | 17026 | 75394 | 50 |
| 60 | 58499 | 83140 | 16860 | 75359 | 40 |
| 70 | 58629 | 83306 | 16694 | 75323 | 30 |
| 80 | 58760 | 83472 | 16528 | 75287 | 20 |
| 90 | 58890 | 83639 | 16361 | 75252 | 10 |
| **67 oo** | 59021 | 83805 | 16195 | 75216 | **33 oo** |
| 10 | 59151 | 83971 | 16029 | 75180 | 90 |
| 20 | 59282 | 84137 | 15863 | 75145 | 80 |
| 30 | 59412 | 84303 | 15697 | 75109 | 70 |
| 40 | 59543 | 84469 | 15531 | 75073 | 60 |
| 50 | 59673 | 84635 | 15365 | 75038 | 50 |
| 60 | 59804 | 84801 | 15199 | 75002 | 40 |
| 70 | 59934 | 84968 | 15032 | 74966 | 30 |
| 80 | 60064 | 85134 | 14866 | 74931 | 20 |
| 90 | 60195 | 85300 | 14700 | 74895 | 10 |
| **68 oo** | 60325 | 85466 | 14534 | 74859 | **32 oo** |
| 10 | 60456 | 85632 | 14368 | 74824 | 90 |
| 20 | 60586 | 85798 | 14202 | 74788 | 80 |
| 30 | 60717 | 85964 | 14036 | 74752 | 70 |
| 40 | 60847 | 86130 | 13870 | 74717 | 60 |
| 50 | 60977 | 86296 | 13704 | 74681 | 50 |
| 60 | 61108 | 86462 | 13538 | 74645 | 40 |
| 70 | 61238 | 86629 | 13371 | 74610 | 30 |
| 80 | 61368 | 86795 | 13205 | 74574 | 20 |
| 90 | 61499 | 86961 | 13039 | 74538 | 10 |
| **69 oo** | 61629 | 87127 | 12873 | 74502 | **31 oo** |
| 10 | 61760 | 87293 | 12707 | 74467 | 90 |
| 20 | 61890 | 87459 | 12541 | 74431 | 80 |
| 30 | 62020 | 87625 | 12375 | 74395 | 70 |
| 40 | 62151 | 87791 | 12209 | 74360 | 60 |
| 50 | 62281 | 87957 | 12043 | 74324 | 50 |
| 60 | 62411 | 88123 | 11877 | 74288 | 40 |
| 70 | 62542 | 88289 | 11711 | 74253 | 30 |
| 80 | 62672 | 88455 | 11545 | 74217 | 20 |
| 90 | 62802 | 88621 | 11379 | 74181 | 10 |
| **70 oo** | 62933 | 88787 | 11213 | 74145 | **30 oo** |
| | **9.66** | **9.71** | **0.28** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **69g** |
| | 130 | 166 | 166 | 36 | |

| | 167 | 166 | 131 | 130 | 36 | 35 | |
|---|---|---|---|---|---|---|---|
| 1 | 16,7 | 16,6 | 13,1 | 13,0 | 3,6 | 3,5 | 1 |
| 2 | 33,4 | 33,2 | 26,2 | 26,0 | 7,2 | 7,0 | 2 |
| 3 | 50,1 | 49,8 | 39,3 | 39,0 | 10,8 | 10,5 | 3 |
| 4 | 66,8 | 66,4 | 52,4 | 52,0 | 14,4 | 14,0 | 4 |
| 5 | 83,5 | 83,0 | 65,5 | 65,0 | 18,0 | 17,5 | 5 |
| 6 | 100,2 | 99,6 | 78,6 | 78,0 | 21,6 | 21,0 | 6 |
| 7 | 116,9 | 116,2 | 91,7 | 91,0 | 25,2 | 24,5 | 7 |
| 8 | 133,6 | 132,8 | 104,8 | 104,0 | 28,8 | 28,0 | 8 |
| 9 | 150,3 | 149,4 | 117,9 | 117,0 | 32,4 | 31,5 | 9 |

| 30g | 131 | 166 | 166 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.71** | **0.28** | **9.94** | |
| **70 oo** | 62933 | 88787 | 11213 | 74145 | **30 oo** |
| 10 | 63063 | 88953 | 11047 | 74110 | 90 |
| 20 | 63193 | 89119 | 10881 | 74074 | 80 |
| 30 | 63324 | 89285 | 10715 | 74038 | 70 |
| 40 | 63454 | 89451 | 10549 | 74003 | 60 |
| 50 | 63584 | 89617 | 10383 | 73967 | 50 |
| 60 | 63715 | 89783 | 10217 | 73931 | 40 |
| 70 | 63845 | 89949 | 10051 | 73895 | 30 |
| 80 | 63975 | 90115 | 09885 | 73860 | 20 |
| 90 | 64105 | 90281 | 09719 | 73824 | 10 |
| **71 oo** | 64236 | 90447 | 09553 | 73788 | **29 oo** |
| 10 | 64366 | 90613 | 09387 | 73753 | 90 |
| 20 | 64496 | 90779 | 09221 | 73717 | 80 |
| 30 | 64627 | 90945 | 09055 | 73681 | 70 |
| 40 | 64757 | 91111 | 08889 | 73645 | 60 |
| 50 | 64887 | 91277 | 08723 | 73610 | 50 |
| 60 | 65017 | 91443 | 08557 | 73574 | 40 |
| 70 | 65148 | 91609 | 08391 | 73538 | 30 |
| 80 | 65278 | 91775 | 08225 | 73502 | 20 |
| 90 | 65408 | 91941 | 08059 | 73467 | 10 |
| **72 oo** | 65538 | 92107 | 07893 | 73431 | **28 oo** |
| 10 | 65668 | 92273 | 07727 | 73395 | 90 |
| 20 | 65799 | 92439 | 07561 | 73360 | 80 |
| 30 | 65929 | 92605 | 07395 | 73324 | 70 |
| 40 | 66059 | 92771 | 07229 | 73288 | 60 |
| 50 | 66189 | 92937 | 07063 | 73252 | 50 |
| 60 | 66319 | 93103 | 06897 | 73217 | 40 |
| 70 | 66450 | 93269 | 06731 | 73181 | 30 |
| 80 | 66580 | 93435 | 06565 | 73145 | 20 |
| 90 | 66710 | 93601 | 06399 | 73109 | 10 |
| **73 oo** | 66840 | 93767 | 06233 | 73074 | **27 oo** |
| 10 | 66970 | 93933 | 06067 | 73038 | 90 |
| 20 | 67101 | 94099 | 05901 | 73002 | 80 |
| 30 | 67231 | 94264 | 05736 | 72966 | 70 |
| 40 | 67361 | 94430 | 05570 | 72931 | 60 |
| 50 | 67491 | 94596 | 05404 | 72895 | 50 |
| 60 | 67621 | 94762 | 05238 | 72859 | 40 |
| 70 | 67751 | 94928 | 05072 | 72823 | 30 |
| 80 | 67881 | 95094 | 04906 | 72787 | 20 |
| 90 | 68012 | 95260 | 04740 | 72752 | 10 |
| **74 oo** | 68142 | 95426 | 04574 | 72716 | **26 oo** |
| 10 | 68272 | 95592 | 04408 | 72680 | 90 |
| 20 | 68402 | 95758 | 04242 | 72644 | 80 |
| 30 | 68532 | 95923 | 04077 | 72609 | 70 |
| 40 | 68662 | 96089 | 03911 | 72573 | 60 |
| 50 | 68792 | 96255 | 03745 | 72537 | 50 |
| 60 | 68922 | 96421 | 03579 | 72501 | 40 |
| 70 | 69052 | 96587 | 03413 | 72466 | 30 |
| 80 | 69183 | 96753 | 03247 | 72430 | 20 |
| 90 | 69313 | 96919 | 03081 | 72394 | 10 |
| **75 oo** | 69443 | 97084 | 02916 | 72358 | **25 oo** |
| | **9.66** | **9.71** | **0.28** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 69g |
| | 130 | 165 | 165 | 36 | |

| 30g | 130 | 166 | 166 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | ∗**9.71** | ∗**0.28** | **9.94** | |
| **75 oo** | 69443 | ∗97084 | ∗02916 | 72358 | **25 oo** |
| 10 | 69573 | ∗97250 | ∗02750 | 72322 | 90 |
| 20 | 69703 | ∗97416 | ∗02584 | 72287 | 80 |
| 30 | 69833 | ∗97582 | ∗02418 | 72251 | 70 |
| 40 | 69963 | ∗97748 | ∗02252 | 72215 | 60 |
| 50 | 70093 | ∗97914 | ∗02086 | 72179 | 50 |
| 60 | 70223 | ∗98080 | ∗01920 | 72144 | 40 |
| 70 | 70353 | ∗98245 | ∗01755 | 72108 | 30 |
| 80 | 70483 | ∗98411 | ∗01589 | 72072 | 20 |
| 90 | 70613 | ∗98577 | ∗01423 | 72036 | 10 |
| **76 oo** | 70743 | ∗98743 | ∗01257 | 72000 | **24 oo** |
| 10 | 70873 | ∗98909 | ∗01091 | 71965 | 90 |
| 20 | 71003 | ∗99074 | ∗00926 | 71929 | 80 |
| 30 | 71133 | ∗99240 | ∗00760 | 71893 | 70 |
| 40 | 71263 | ∗99406 | ∗00594 | 71857 | 60 |
| 50 | 71393 | ∗99572 | ∗00428 | 71821 | 50 |
| 60 | 71523 | ∗99738 | ∗00262 | 71786 | 40 |
| 70 | 71653 | ∗99903 | ∗00097 | 71750 | 30 |
| 80 | 71783 | 00069 | 99931 | 71714 | 20 |
| 90 | 71913 | 00235 | 99765 | 71678 | 10 |
| **77 oo** | 72043 | 00401 | 99599 | 71642 | **23 oo** |
| 10 | 72173 | 00567 | 99433 | 71607 | 90 |
| 20 | 72303 | 00732 | 99268 | 71571 | 80 |
| 30 | 72433 | 00898 | 99102 | 71535 | 70 |
| 40 | 72563 | 01064 | 98936 | 71499 | 60 |
| 50 | 72693 | 01230 | 98770 | 71463 | 50 |
| 60 | 72823 | 01395 | 98605 | 71428 | 40 |
| 70 | 72953 | 01561 | 98439 | 71392 | 30 |
| 80 | 73083 | 01727 | 98273 | 71356 | 20 |
| 90 | 73213 | 01893 | 98107 | 71320 | 10 |
| **78 oo** | 73343 | 02058 | 97942 | 71284 | **22 oo** |
| 10 | 73473 | 02224 | 97776 | 71248 | 90 |
| 20 | 73603 | 02390 | 97610 | 71213 | 80 |
| 30 | 73733 | 02556 | 97444 | 71177 | 70 |
| 40 | 73862 | 02721 | 97279 | 71141 | 60 |
| 50 | 73992 | 02887 | 97113 | 71105 | 50 |
| 60 | 74122 | 03053 | 96947 | 71069 | 40 |
| 70 | 74252 | 03219 | 96781 | 71034 | 30 |
| 80 | 74382 | 03384 | 96616 | 70998 | 20 |
| 90 | 74512 | 03550 | 96450 | 70962 | 10 |
| **79 oo** | 74642 | 03716 | 96284 | 70926 | **21 oo** |
| 10 | 74772 | 03881 | 96119 | 70890 | 90 |
| 20 | 74902 | 04047 | 95953 | 70854 | 80 |
| 30 | 75031 | 04213 | 95787 | 70819 | 70 |
| 40 | 75161 | 04379 | 95621 | 70783 | 60 |
| 50 | 75291 | 04544 | 95456 | 70747 | 50 |
| 60 | 75421 | 04710 | 95290 | 70711 | 40 |
| 70 | 75551 | 04876 | 95124 | 70675 | 30 |
| 80 | 75681 | 05041 | 94959 | 70639 | 20 |
| 90 | 75810 | 05207 | 94793 | 70604 | 10 |
| **80 oo** | 75940 | 05373 | 94627 | 70568 | **20 oo** |
| | **9.66** | **9.72** | **0.27** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 69g |
| | 129 | 165 | 165 | 36 | |

| | 166 | 165 | 131 | 130 | 129 | 36 | 35 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,6 | 16,5 | 13,1 | 13,0 | 12,9 | 3,6 | 3,5 | 1 |
| 2 | 33,2 | 33,0 | 26,2 | 26,0 | 25,8 | 7,2 | 7,0 | 2 |
| 3 | 49,8 | 49,5 | 39,3 | 39,0 | 38,7 | 10,8 | 10,5 | 3 |
| 4 | 66,4 | 66,0 | 52,4 | 52,0 | 51,6 | 14,4 | 14,0 | 4 |
| 5 | 83,0 | 82,5 | 65,5 | 65,0 | 64,5 | 18,0 | 17,5 | 5 |
| 6 | 99,6 | 99,0 | 78,6 | 78,0 | 77,4 | 21,6 | 21,0 | 6 |
| 7 | 116,2 | 115,5 | 91,7 | 91,0 | 90,3 | 25,2 | 24,5 | 7 |
| 8 | 132,8 | 132,0 | 104,8 | 104,0 | 103,2 | 28,8 | 28,0 | 8 |
| 9 | 149,4 | 148,5 | 117,9 | 117,0 | 116,1 | 32,4 | 31,5 | 9 |

| $30^g$ | 130 | 166 | 166 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.72** | **0.27** | **9.94** | |
| **80 oo** | 75940 | 05373 | 94627 | 70568 | **20 oo** |
| 10 | 76070 | 05538 | 94462 | 70532 | 90 |
| 20 | 76200 | 05704 | 94296 | 70496 | 80 |
| 30 | 76330 | 05870 | 94130 | 70460 | 70 |
| 40 | 76460 | 06035 | 93965 | 70424 | 60 |
| 50 | 76589 | 06201 | 93799 | 70388 | 50 |
| 60 | 76719 | 06367 | 93633 | 70353 | 40 |
| 70 | 76849 | 06532 | 93468 | 70317 | 30 |
| 80 | 76979 | 06698 | 93302 | 70281 | 20 |
| 90 | 77109 | 06864 | 93136 | 70245 | 10 |
| **81 oo** | 77238 | 07029 | 92971 | 70209 | **19 oo** |
| 10 | 77368 | 07195 | 92805 | 70173 | 90 |
| 20 | 77498 | 07360 | 92640 | 70137 | 80 |
| 30 | 77628 | 07526 | 92474 | 70102 | 70 |
| 40 | 77757 | 07692 | 92308 | 70066 | 60 |
| 50 | 77887 | 07857 | 92143 | 70030 | 50 |
| 60 | 78017 | 08023 | 91977 | 69994 | 40 |
| 70 | 78147 | 08189 | 91811 | 69958 | 30 |
| 80 | 78276 | 08354 | 91646 | 69922 | 20 |
| 90 | 78406 | 08520 | 91480 | 69886 | 10 |
| **82 oo** | 78536 | 08685 | 91315 | 69850 | **18 oo** |
| 10 | 78666 | 08851 | 91149 | 69815 | 90 |
| 20 | 78795 | 09017 | 90983 | 69779 | 80 |
| 30 | 78925 | 09182 | 90818 | 69743 | 70 |
| 40 | 79055 | 09348 | 90652 | 69707 | 60 |
| 50 | 79184 | 09513 | 90487 | 69671 | 50 |
| 60 | 79314 | 09679 | 90321 | 69635 | 40 |
| 70 | 79444 | 09845 | 90155 | 69599 | 30 |
| 80 | 79574 | 10010 | 89990 | 69563 | 20 |
| 90 | 79703 | 10176 | 89824 | 69528 | 10 |
| **83 oo** | 79833 | 10341 | 89659 | 69492 | **17 oo** |
| 10 | 79963 | 10507 | 89493 | 69456 | 90 |
| 20 | 80092 | 10672 | 89328 | 69420 | 80 |
| 30 | 80222 | 10838 | 89162 | 69384 | 70 |
| 40 | 80352 | 11003 | 88997 | 69348 | 60 |
| 50 | 80481 | 11169 | 88831 | 69312 | 50 |
| 60 | 80611 | 11335 | 88665 | 69276 | 40 |
| 70 | 80741 | 11500 | 88500 | 69240 | 30 |
| 80 | 80870 | 11666 | 88334 | 69205 | 20 |
| 90 | 81000 | 11831 | 88169 | 69169 | 10 |
| **84 oo** | 81129 | 11997 | 88003 | 69133 | **16 oo** |
| 10 | 81259 | 12162 | 87838 | 69097 | 90 |
| 20 | 81389 | 12328 | 87672 | 69061 | 80 |
| 30 | 81518 | 12493 | 87507 | 69025 | 70 |
| 40 | 81648 | 12659 | 87341 | 68989 | 60 |
| 50 | 81778 | 12824 | 87176 | 68953 | 50 |
| 60 | 81907 | 12990 | 87010 | 68917 | 40 |
| 70 | 82037 | 13155 | 86845 | 68881 | 30 |
| 80 | 82166 | 13321 | 86679 | 68845 | 20 |
| 90 | 82296 | 13486 | 86514 | 68810 | 10 |
| **85 oo** | 82426 | 13652 | 86348 | 68774 | **15 oo** |
| | **9.66** | **9.72** | **0.27** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | $69^g$ |
| | 129 | 165 | 165 | 36 | |

| $30^g$ | 130 | 166 | 166 | 35 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.72** | **0.27** | **9.94** | |
| **85 oo** | 82426 | 13652 | 86348 | 68774 | **15 oo** |
| 10 | 82555 | 13817 | 86183 | 68738 | 90 |
| 20 | 82685 | 13983 | 86017 | 68702 | 80 |
| 30 | 82814 | 14148 | 85852 | 68666 | 70 |
| 40 | 82944 | 14314 | 85686 | 68630 | 60 |
| 50 | 83073 | 14479 | 85521 | 68594 | 50 |
| 60 | 83203 | 14645 | 85355 | 68558 | 40 |
| 70 | 83332 | 14810 | 85190 | 68522 | 30 |
| 80 | 83462 | 14976 | 85024 | 68486 | 20 |
| 90 | 83592 | 15141 | 84859 | 68450 | 10 |
| **86 oo** | 83721 | 15307 | 84693 | 68414 | **14 oo** |
| 10 | 83851 | 15472 | 84528 | 68379 | 90 |
| 20 | 83980 | 15638 | 84362 | 68343 | 80 |
| 30 | 84110 | 15803 | 84197 | 68307 | 70 |
| 40 | 84239 | 15968 | 84032 | 68271 | 60 |
| 50 | 84369 | 16134 | 83866 | 68235 | 50 |
| 60 | 84498 | 16299 | 83701 | 68199 | 40 |
| 70 | 84628 | 16465 | 83535 | 68163 | 30 |
| 80 | 84757 | 16630 | 83370 | 68127 | 20 |
| 90 | 84887 | 16796 | 83204 | 68091 | 10 |
| **87 oo** | 85016 | 16961 | 83039 | 68055 | **13 oo** |
| 10 | 85146 | 17126 | 82874 | 68019 | 90 |
| 20 | 85275 | 17292 | 82708 | 67983 | 80 |
| 30 | 85405 | 17457 | 82543 | 67947 | 70 |
| 40 | 85534 | 17623 | 82377 | 67911 | 60 |
| 50 | 85663 | 17788 | 82212 | 67875 | 50 |
| 60 | 85793 | 17954 | 82046 | 67839 | 40 |
| 70 | 85922 | 18119 | 81881 | 67803 | 30 |
| 80 | 86052 | 18284 | 81716 | 67768 | 20 |
| 90 | 86181 | 18450 | 81550 | 67732 | 10 |
| **88 oo** | 86311 | 18615 | 81385 | 67696 | **12 oo** |
| 10 | 86440 | 18780 | 81220 | 67660 | 90 |
| 20 | 86570 | 18946 | 81054 | 67624 | 80 |
| 30 | 86699 | 19111 | 80889 | 67588 | 70 |
| 40 | 86828 | 19277 | 80723 | 67552 | 60 |
| 50 | 86958 | 19442 | 80558 | 67516 | 50 |
| 60 | 87087 | 19607 | 80393 | 67480 | 40 |
| 70 | 87217 | 19773 | 80227 | 67444 | 30 |
| 80 | 87346 | 19938 | 80062 | 67408 | 20 |
| 90 | 87475 | 20103 | 79897 | 67372 | 10 |
| **89 oo** | 87605 | 20269 | 79731 | 67336 | **11 oo** |
| 10 | 87734 | 20434 | 79566 | 67300 | 90 |
| 20 | 87864 | 20599 | 79401 | 67264 | 80 |
| 30 | 87993 | 20765 | 79235 | 67228 | 70 |
| 40 | 88122 | 20930 | 79070 | 67192 | 60 |
| 50 | 88252 | 21096 | 78904 | 67156 | 50 |
| 60 | 88381 | 21261 | 78739 | 67120 | 40 |
| 70 | 88510 | 21426 | 78574 | 67084 | 30 |
| 80 | 88640 | 21591 | 78409 | 67048 | 20 |
| 90 | 88769 | 21757 | 78243 | 67012 | 10 |
| **90 oo** | 88898 | 21922 | 78078 | 66976 | **10 oo** |
| | **9.66** | **9.72** | **0.27** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | $69^g$ |
| | 129 | 165 | 165 | 36 | |

| | 166 | 165 | 130 | 129 | 36 | 35 | |
|---|---|---|---|---|---|---|---|
| 1 | 16,6 | 16,5 | 13,0 | 12,9 | 3,6 | 3,5 | 1 |
| 2 | 33,2 | 33,0 | 26,0 | 25,8 | 7,2 | 7,0 | 2 |
| 3 | 49,8 | 49,5 | 39,0 | 38,7 | 10,8 | 10,5 | 3 |
| 4 | 66,4 | 66,0 | 52,0 | 51,6 | 14,4 | 14,0 | 4 |
| 5 | 83,0 | 82,5 | 65,0 | 64,5 | 18,0 | 17,5 | 5 |
| 6 | 99,6 | 99,0 | 78,0 | 77,4 | 21,6 | 21,0 | 6 |
| 7 | 116,2 | 115,5 | 91,0 | 90,3 | 25,2 | 24,5 | 7 |
| 8 | 132,8 | 132,0 | 104,0 | 103,2 | 28,8 | 28,0 | 8 |
| 9 | 149,4 | 148,5 | 117,0 | 116,1 | 32,4 | 31,5 | 9 |

| 30g | 130 | 166 | 166 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.72** | **0.27** | **9.94** | |
| **90 oo** | 88898 | 21922 | 78078 | 66976 | **10 oo** |
| 10 | 89028 | 22087 | 77913 | 66940 | 90 |
| 20 | 89157 | 22253 | 77747 | 66904 | 80 |
| 30 | 89286 | 22418 | 77582 | 66868 | 70 |
| 40 | 89416 | 22583 | 77417 | 66832 | 60 |
| 50 | 89545 | 22749 | 77251 | 66796 | 50 |
| 60 | 89674 | 22914 | 77086 | 66760 | 40 |
| 70 | 89804 | 23079 | 76921 | 66724 | 30 |
| 80 | 89933 | 23245 | 76755 | 66688 | 20 |
| 90 | 90062 | 23410 | 76590 | 66652 | 10 |
| **91 oo** | 90191 | 23575 | 76425 | 66616 | **09 oo** |
| 10 | 90321 | 23740 | 76260 | 66580 | 90 |
| 20 | 90450 | 23906 | 76094 | 66544 | 80 |
| 30 | 90579 | 24071 | 75929 | 66508 | 70 |
| 40 | 90709 | 24236 | 75764 | 66472 | 60 |
| 50 | 90838 | 24401 | 75599 | 66436 | 50 |
| 60 | 90967 | 24567 | 75433 | 66400 | 40 |
| 70 | 91096 | 24732 | 75268 | 66364 | 30 |
| 80 | 91226 | 24897 | 75103 | 66328 | 20 |
| 90 | 91355 | 25063 | 74937 | 66292 | 10 |
| **92 oo** | 91484 | 25228 | 74772 | 66256 | **08 oo** |
| 10 | 91613 | 25393 | 74607 | 66220 | 90 |
| 20 | 91743 | 25558 | 74442 | 66184 | 80 |
| 30 | 91872 | 25723 | 74277 | 66148 | 70 |
| 40 | 92001 | 25889 | 74111 | 66112 | 60 |
| 50 | 92130 | 26054 | 73946 | 66076 | 50 |
| 60 | 92259 | 26219 | 73781 | 66040 | 40 |
| 70 | 92389 | 26384 | 73616 | 66004 | 30 |
| 80 | 92518 | 26550 | 73450 | 65968 | 20 |
| 90 | 92647 | 26715 | 73285 | 65932 | 10 |
| **93 oo** | 92776 | 26880 | 73120 | 65896 | **07 oo** |
| 10 | 92905 | 27045 | 72955 | 65860 | 90 |
| 20 | 93035 | 27210 | 72790 | 65824 | 80 |
| 30 | 93164 | 27376 | 72624 | 65788 | 70 |
| 40 | 93293 | 27541 | 72459 | 65752 | 60 |
| 50 | 93422 | 27706 | 72294 | 65716 | 50 |
| 60 | 93551 | 27871 | 72129 | 65680 | 40 |
| 70 | 93680 | 28036 | 71964 | 65644 | 30 |
| 80 | 93809 | 28202 | 71798 | 65608 | 20 |
| 90 | 93939 | 28367 | 71633 | 65572 | 10 |
| **94 oo** | 94068 | 28532 | 71468 | 65536 | **06 oo** |
| 10 | 94197 | 28697 | 71303 | 65500 | 90 |
| 20 | 94326 | 28862 | 71138 | 65464 | 80 |
| 30 | 94455 | 29027 | 70973 | 65428 | 70 |
| 40 | 94584 | 29193 | 70807 | 65392 | 60 |
| 50 | 94713 | 29358 | 70642 | 65356 | 50 |
| 60 | 94843 | 29523 | 70477 | 65320 | 40 |
| 70 | 94972 | 29688 | 70312 | 65284 | 30 |
| 80 | 95101 | 29853 | 70147 | 65247 | 20 |
| 90 | 95230 | 30018 | 69982 | 65211 | 10 |
| **95 oo** | 95359 | 30184 | 69816 | 65175 | **05 oo** |
| | **9.66** | **9.72** | **0.27** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 129 | 165 | 165 | 37 | **69g** |

| 30g | 130 | 166 | 166 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.66** | **9.72** | **0.27** | **9.94** | |
| **95 oo** | 95359 | 30184 | 69816 | 65175 | **05 oo** |
| 10 | 95488 | 30349 | 69651 | 65139 | 90 |
| 20 | 95617 | 30514 | 69486 | 65103 | 80 |
| 30 | 95746 | 30679 | 69321 | 65067 | 70 |
| 40 | 95875 | 30844 | 69156 | 65031 | 60 |
| 50 | 96004 | 31009 | 68991 | 64995 | 50 |
| 60 | 96133 | 31174 | 68826 | 64959 | 40 |
| 70 | 96262 | 31339 | 68661 | 64923 | 30 |
| 80 | 96391 | 31505 | 68495 | 64887 | 20 |
| 90 | 96520 | 31670 | 68330 | 64851 | 10 |
| **96 oo** | 96650 | 31835 | 68165 | 64815 | **04 oo** |
| 10 | 96779 | 32000 | 68000 | 64779 | 90 |
| 20 | 96908 | 32165 | 67835 | 64743 | 80 |
| 30 | 97037 | 32330 | 67670 | 64707 | 70 |
| 40 | 97166 | 32495 | 67505 | 64671 | 60 |
| 50 | 97295 | 32660 | 67340 | 64634 | 50 |
| 60 | 97424 | 32825 | 67175 | 64598 | 40 |
| 70 | 97553 | 32990 | 67010 | 64562 | 30 |
| 80 | 97682 | 33155 | 66845 | 64526 | 20 |
| 90 | 97811 | 33321 | 66679 | 64490 | 10 |
| **97 oo** | 97940 | 33486 | 66514 | 64454 | **03 oo** |
| 10 | 98069 | 33651 | 66349 | 64418 | 90 |
| 20 | 98198 | 33816 | 66184 | 64382 | 80 |
| 30 | 98327 | 33981 | 66019 | 64346 | 70 |
| 40 | 98456 | 34146 | 65854 | 64310 | 60 |
| 50 | 98585 | 34311 | 65689 | 64274 | 50 |
| 60 | 98714 | 34476 | 65524 | 64238 | 40 |
| 70 | 98842 | 34641 | 65359 | 64201 | 30 |
| 80 | 98971 | 34806 | 65194 | 64165 | 20 |
| 90 | 99100 | 34971 | 65029 | 64129 | 10 |
| **98 oo** | 99229 | 35136 | 64864 | 64093 | **02 oo** |
| 10 | 99358 | 35301 | 64699 | 64057 | 90 |
| 20 | 99487 | 35466 | 64534 | 64021 | 80 |
| 30 | 99616 | 35631 | 64369 | 63985 | 70 |
| 40 | 99745 | 35796 | 64204 | 63949 | 60 |
| 50 | 99874 | 35961 | 64039 | 63913 | 50 |
| 60 | ∗00003 | 36126 | 63874 | 63877 | 40 |
| 70 | ∗00132 | 36291 | 63709 | 63841 | 30 |
| 80 | ∗00261 | 36456 | 63544 | 63804 | 20 |
| 90 | ∗00390 | 36621 | 63379 | 63768 | 10 |
| **99 oo** | ∗00518 | 36786 | 63214 | 63732 | **01 oo** |
| 10 | ∗00647 | 36951 | 63049 | 63696 | 90 |
| 20 | ∗00776 | 37116 | 62884 | 63660 | 80 |
| 30 | ∗00905 | 37281 | 62719 | 63624 | 70 |
| 40 | ∗01034 | 37446 | 62554 | 63588 | 60 |
| 50 | ∗01163 | 37611 | 62389 | 63552 | 50 |
| 60 | ∗01292 | 37776 | 62224 | 63516 | 40 |
| 70 | ∗01421 | 37941 | 62059 | 63479 | 30 |
| 80 | ∗01549 | 38106 | 61894 | 63443 | 20 |
| 90 | ∗01678 | 38271 | 61729 | 63407 | 10 |
| **100 oo** | ∗01807 | 38436 | 61564 | 63371 | **00 oo** |
| | **∗9.67** | **9.72** | **0.27** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 128 | 165 | 165 | 37 | **69g** |

| | 166 | 165 | 130 | 129 | 128 | 37 | 36 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,6 | 16,5 | 13,0 | 12,9 | 12,8 | 3,7 | 3,6 | 1 |
| 2 | 33,2 | 33,0 | 26,0 | 25,8 | 25,6 | 7,4 | 7,2 | 2 |
| 3 | 49,8 | 49,5 | 39,0 | 38,7 | 38,4 | 11,1 | 10,8 | 3 |
| 4 | 66,4 | 66,0 | 52,0 | 51,6 | 51,2 | 14,8 | 14,4 | 4 |
| 5 | 83,0 | 82,5 | 65,0 | 64,5 | 64,0 | 18,5 | 18,0 | 5 |
| 6 | 99,6 | 99,0 | 78,0 | 77,4 | 76,8 | 22,2 | 21,6 | 6 |
| 7 | 116,2 | 115,5 | 91,0 | 90,3 | 89,6 | 25,9 | 25,2 | 7 |
| 8 | 132,8 | 132,0 | 104,0 | 103,2 | 102,4 | 29,6 | 28,8 | 8 |
| 9 | 149,4 | 148,5 | 117,0 | 116,1 | 115,2 | 33,3 | 32,4 | 9 |

| 31g | 129 | 165 | 165 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.72** | **0.27** | **9.94** | |
| **00 oo** | 01807 | 38436 | 61564 | 63371 | **100 oo** |
| 10 | 01936 | 38601 | 61399 | 63335 | 90 |
| 20 | 02065 | 38766 | 61234 | 63299 | 80 |
| 30 | 02194 | 38931 | 61069 | 63263 | 70 |
| 40 | 02323 | 39096 | 60904 | 63227 | 60 |
| 50 | 02451 | 39261 | 60739 | 63190 | 50 |
| 60 | 02580 | 39426 | 60574 | 63154 | 40 |
| 70 | 02709 | 39591 | 60409 | 63118 | 30 |
| 80 | 02838 | 39756 | 60244 | 63082 | 20 |
| 90 | 02967 | 39921 | 60079 | 63046 | 10 |
| **01 oo** | 03095 | 40086 | 59914 | 63010 | **99 oo** |
| 10 | 03224 | 40250 | 59750 | 62974 | 90 |
| 20 | 03353 | 40415 | 59585 | 62938 | 80 |
| 30 | 03482 | 40580 | 59420 | 62901 | 70 |
| 40 | 03610 | 40745 | 59255 | 62865 | 60 |
| 50 | 03739 | 40910 | 59090 | 62829 | 50 |
| 60 | 03868 | 41075 | 58925 | 62793 | 40 |
| 70 | 03997 | 41240 | 58760 | 62757 | 30 |
| 80 | 04126 | 41405 | 58595 | 62721 | 20 |
| 90 | 04254 | 41570 | 58430 | 62685 | 10 |
| **02 oo** | 04383 | 41735 | 58265 | 62648 | **98 oo** |
| 10 | 04512 | 41900 | 58100 | 62612 | 90 |
| 20 | 04641 | 42064 | 57936 | 62576 | 80 |
| 30 | 04769 | 42229 | 57771 | 62540 | 70 |
| 40 | 04898 | 42394 | 57606 | 62504 | 60 |
| 50 | 05027 | 42559 | 57441 | 62468 | 50 |
| 60 | 05155 | 42724 | 57276 | 62431 | 40 |
| 70 | 05284 | 42889 | 57111 | 62395 | 30 |
| 80 | 05413 | 43054 | 56946 | 62359 | 20 |
| 90 | 05542 | 43219 | 56781 | 62323 | 10 |
| **03 oo** | 05670 | 43383 | 56617 | 62287 | **97 oo** |
| 10 | 05799 | 43548 | 56452 | 62251 | 90 |
| 20 | 05928 | 43713 | 56287 | 62215 | 80 |
| 30 | 06056 | 43878 | 56122 | 62178 | 70 |
| 40 | 06185 | 44043 | 55957 | 62142 | 60 |
| 50 | 06314 | 44208 | 55792 | 62106 | 50 |
| 60 | 06442 | 44372 | 55628 | 62070 | 40 |
| 70 | 06571 | 44537 | 55463 | 62034 | 30 |
| 80 | 06700 | 44702 | 55298 | 61998 | 20 |
| 90 | 06828 | 44867 | 55133 | 61961 | 10 |
| **04 oo** | 06957 | 45032 | 54968 | 61925 | **96 oo** |
| 10 | 07086 | 45197 | 54803 | 61889 | 90 |
| 20 | 07214 | 45361 | 54639 | 61853 | 80 |
| 30 | 07343 | 45526 | 54474 | 61817 | 70 |
| 40 | 07472 | 45691 | 54309 | 61780 | 60 |
| 50 | 07600 | 45856 | 54144 | 61744 | 50 |
| 60 | 07729 | 46021 | 53979 | 61708 | 40 |
| 70 | 07857 | 46185 | 53815 | 61672 | 30 |
| 80 | 07986 | 46350 | 53650 | 61636 | 20 |
| 90 | 08115 | 46515 | 53485 | 61600 | 10 |
| **05 oo** | 08243 | 46680 | 53320 | 61563 | **95 oo** |
| | **9.67** | **9.72** | **0.27** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 68g |
| | 128 | 164 | 164 | 37 | |

| 31g | 129 | 165 | 165 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.72** | **0.27** | **9.94** | |
| **05 oo** | 08243 | 46680 | 53320 | 61563 | **95 oo** |
| 10 | 08372 | 46845 | 53155 | 61527 | 90 |
| 20 | 08500 | 47009 | 52991 | 61491 | 80 |
| 30 | 08629 | 47174 | 52826 | 61455 | 70 |
| 40 | 08758 | 47339 | 52661 | 61419 | 60 |
| 50 | 08886 | 47504 | 52496 | 61382 | 50 |
| 60 | 09015 | 47669 | 52331 | 61346 | 40 |
| 70 | 09143 | 47833 | 52167 | 61310 | 30 |
| 80 | 09272 | 47998 | 52002 | 61274 | 20 |
| 90 | 09400 | 48163 | 51837 | 61238 | 10 |
| **06 oo** | 09529 | 48328 | 51672 | 61201 | **94 oo** |
| 10 | 09657 | 48492 | 51508 | 61165 | 90 |
| 20 | 09786 | 48657 | 51343 | 61129 | 80 |
| 30 | 09915 | 48822 | 51178 | 61093 | 70 |
| 40 | 10043 | 48987 | 51013 | 61057 | 60 |
| 50 | 10172 | 49151 | 50849 | 61020 | 50 |
| 60 | 10300 | 49316 | 50684 | 60984 | 40 |
| 70 | 10429 | 49481 | 50519 | 60948 | 30 |
| 80 | 10557 | 49645 | 50355 | 60912 | 20 |
| 90 | 10686 | 49810 | 50190 | 60876 | 10 |
| **07 oo** | 10814 | 49975 | 50025 | 60839 | **93 oo** |
| 10 | 10943 | 50140 | 49860 | 60803 | 90 |
| 20 | 11071 | 50304 | 49696 | 60767 | 80 |
| 30 | 11200 | 50469 | 49531 | 60731 | 70 |
| 40 | 11328 | 50634 | 49366 | 60694 | 60 |
| 50 | 11457 | 50798 | 49202 | 60658 | 50 |
| 60 | 11585 | 50963 | 49037 | 60622 | 40 |
| 70 | 11714 | 51128 | 48872 | 60586 | 30 |
| 80 | 11842 | 51293 | 48707 | 60550 | 20 |
| 90 | 11971 | 51457 | 48543 | 60513 | 10 |
| **08 oo** | 12099 | 51622 | 48378 | 60477 | **92 oo** |
| 10 | 12227 | 51787 | 48213 | 60441 | 90 |
| 20 | 12356 | 51951 | 48049 | 60405 | 80 |
| 30 | 12484 | 52116 | 47884 | 60368 | 70 |
| 40 | 12613 | 52281 | 47719 | 60332 | 60 |
| 50 | 12741 | 52445 | 47555 | 60296 | 50 |
| 60 | 12870 | 52610 | 47390 | 60260 | 40 |
| 70 | 12998 | 52775 | 47225 | 60223 | 30 |
| 80 | 13126 | 52939 | 47061 | 60187 | 20 |
| 90 | 13255 | 53104 | 46896 | 60151 | 10 |
| **09 oo** | 13383 | 53269 | 46731 | 60115 | **91 oo** |
| 10 | 13512 | 53433 | 46567 | 60078 | 90 |
| 20 | 13640 | 53598 | 46402 | 60042 | 80 |
| 30 | 13768 | 53762 | 46238 | 60006 | 70 |
| 40 | 13897 | 53927 | 46073 | 59970 | 60 |
| 50 | 14025 | 54092 | 45908 | 59933 | 50 |
| 60 | 14154 | 54256 | 45744 | 59897 | 40 |
| 70 | 14282 | 54421 | 45579 | 59861 | 30 |
| 80 | 14410 | 54586 | 45414 | 59825 | 20 |
| 90 | 14539 | 54750 | 45250 | 59788 | 10 |
| **10 oo** | 14667 | 54915 | 45085 | 59752 | **90 oo** |
| | **9.67** | **9.72** | **0.27** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 68g |
| | 128 | 164 | 164 | 37 | |

| | 165 | 164 | 129 | 128 | 37 | 36 | |
|---|---|---|---|---|---|---|---|
| 1 | 16,5 | 16,4 | 12,9 | 12,8 | 3,7 | 3,6 | 1 |
| 2 | 33,0 | 32,8 | 25,8 | 25,6 | 7,4 | 7,2 | 2 |
| 3 | 49,5 | 49,2 | 38,7 | 38,4 | 11,1 | 10,8 | 3 |
| 4 | 66,0 | 65,6 | 51,6 | 51,2 | 14,8 | 14,4 | 4 |
| 5 | 82,5 | 82,0 | 64,5 | 64,0 | 18,5 | 18,0 | 5 |
| 6 | 99,0 | 98,4 | 77,4 | 76,8 | 22,2 | 21,6 | 6 |
| 7 | 115,5 | 114,8 | 90,3 | 89,6 | 25,9 | 25,2 | 7 |
| 8 | 132,0 | 131,2 | 103,2 | 102,4 | 29,6 | 28,8 | 8 |
| 9 | 148,5 | 147,6 | 116,1 | 115,2 | 33,3 | 32,4 | 9 |

| 31g | 129 | 165 | 165 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.72** | **0.27** | **9.94** | |
| **10 oo** | 14667 | 54915 | 45085 | 59752 | **90 oo** |
| 10 | 14795 | 55079 | 44921 | 59716 | 90 |
| 20 | 14924 | 55244 | 44756 | 59680 | 80 |
| 30 | 15052 | 55409 | 44591 | 59643 | 70 |
| 40 | 15180 | 55573 | 44427 | 59607 | 60 |
| 50 | 15309 | 55738 | 44262 | 59571 | 50 |
| 60 | 15437 | 55902 | 44098 | 59535 | 40 |
| 70 | 15565 | 56067 | 43933 | 59498 | 30 |
| 80 | 15694 | 56232 | 43768 | 59462 | 20 |
| 90 | 15822 | 56396 | 43604 | 59426 | 10 |
| **11 oo** | 15950 | 56561 | 43439 | 59390 | **89 oo** |
| 10 | 16079 | 56725 | 43275 | 59353 | 90 |
| 20 | 16207 | 56890 | 43110 | 59317 | 80 |
| 30 | 16335 | 57054 | 42946 | 59281 | 70 |
| 40 | 16464 | 57219 | 42781 | 59244 | 60 |
| 50 | 16592 | 57384 | 42616 | 59208 | 50 |
| 60 | 16720 | 57548 | 42452 | 59172 | 40 |
| 70 | 16848 | 57713 | 42287 | 59136 | 30 |
| 80 | 16977 | 57877 | 42123 | 59099 | 20 |
| 90 | 17105 | 58042 | 41958 | 59063 | 10 |
| **12 oo** | 17233 | 58206 | 41794 | 59027 | **88 oo** |
| 10 | 17361 | 58371 | 41629 | 58991 | 90 |
| 20 | 17490 | 58535 | 41465 | 58954 | 80 |
| 30 | 17618 | 58700 | 41300 | 58918 | 70 |
| 40 | 17746 | 58865 | 41135 | 58882 | 60 |
| 50 | 17874 | 59029 | 40971 | 58845 | 50 |
| 60 | 18003 | 59194 | 40806 | 58809 | 40 |
| 70 | 18131 | 59358 | 40642 | 58773 | 30 |
| 80 | 18259 | 59523 | 40477 | 58736 | 20 |
| 90 | 18387 | 59687 | 40313 | 58700 | 10 |
| **13 oo** | 18516 | 59852 | 40148 | 58664 | **87 oo** |
| 10 | 18644 | 60016 | 39984 | 58628 | 90 |
| 20 | 18772 | 60181 | 39819 | 58591 | 80 |
| 30 | 18900 | 60345 | 39655 | 58555 | 70 |
| 40 | 19028 | 60510 | 39490 | 58519 | 60 |
| 50 | 19156 | 60674 | 39326 | 58482 | 50 |
| 60 | 19285 | 60839 | 39161 | 58446 | 40 |
| 70 | 19413 | 61003 | 38997 | 58410 | 30 |
| 80 | 19541 | 61168 | 38832 | 58373 | 20 |
| 90 | 19669 | 61332 | 38668 | 58337 | 10 |
| **14 oo** | 19797 | 61497 | 38503 | 58301 | **86 oo** |
| 10 | 19926 | 61661 | 38339 | 58265 | 90 |
| 20 | 20054 | 61825 | 38175 | 58228 | 80 |
| 30 | 20182 | 61990 | 38010 | 58192 | 70 |
| 40 | 20310 | 62154 | 37846 | 58156 | 60 |
| 50 | 20438 | 62319 | 37681 | 58119 | 50 |
| 60 | 20566 | 62483 | 37517 | 58083 | 40 |
| 70 | 20694 | 62648 | 37352 | 58047 | 30 |
| 80 | 20822 | 62812 | 37188 | 58010 | 20 |
| 90 | 20951 | 62977 | 37023 | 57974 | 10 |
| **15 oo** | 21079 | 63141 | 36859 | 57938 | **85 oo** |
| | **9.67** | **9.72** | **0.27** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 128 | 164 | 164 | 37 | 68g |

| 31g | 129 | 165 | 165 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.72** | **0.27** | **9.94** | |
| **15 oo** | 21079 | 63141 | 36859 | 57938 | **85 oo** |
| 10 | 21207 | 63306 | 36694 | 57901 | 90 |
| 20 | 21335 | 63470 | 36530 | 57865 | 80 |
| 30 | 21463 | 63634 | 36366 | 57829 | 70 |
| 40 | 21591 | 63799 | 36201 | 57792 | 60 |
| 50 | 21719 | 63963 | 36037 | 57756 | 50 |
| 60 | 21847 | 64128 | 35872 | 57720 | 40 |
| 70 | 21975 | 64292 | 35708 | 57683 | 30 |
| 80 | 22103 | 64456 | 35544 | 57647 | 20 |
| 90 | 22232 | 64621 | 35379 | 57611 | 10 |
| **16 oo** | 22360 | 64785 | 35215 | 57574 | **84 oo** |
| 10 | 22488 | 64950 | 35050 | 57538 | 90 |
| 20 | 22616 | 65114 | 34886 | 57502 | 80 |
| 30 | 22744 | 65278 | 34722 | 57465 | 70 |
| 40 | 22872 | 65443 | 34557 | 57429 | 60 |
| 50 | 23000 | 65607 | 34393 | 57393 | 50 |
| 60 | 23128 | 65772 | 34228 | 57356 | 40 |
| 70 | 23256 | 65936 | 34064 | 57320 | 30 |
| 80 | 23384 | 66100 | 33900 | 57284 | 20 |
| 90 | 23512 | 66265 | 33735 | 57247 | 10 |
| **17 oo** | 23640 | 66429 | 33571 | 57211 | **83 oo** |
| 10 | 23768 | 66594 | 33406 | 57174 | 90 |
| 20 | 23896 | 66758 | 33242 | 57138 | 80 |
| 30 | 24024 | 66922 | 33078 | 57102 | 70 |
| 40 | 24152 | 67087 | 32913 | 57065 | 60 |
| 50 | 24280 | 67251 | 32749 | 57029 | 50 |
| 60 | 24408 | 67415 | 32585 | 56993 | 40 |
| 70 | 24536 | 67580 | 32420 | 56956 | 30 |
| 80 | 24664 | 67744 | 32256 | 56920 | 20 |
| 90 | 24792 | 67908 | 32092 | 56884 | 10 |
| **18 oo** | 24920 | 68073 | 31927 | 56847 | **82 oo** |
| 10 | 25048 | 68237 | 31763 | 56811 | 90 |
| 20 | 25176 | 68401 | 31599 | 56774 | 80 |
| 30 | 25304 | 68566 | 31434 | 56738 | 70 |
| 40 | 25432 | 68730 | 31270 | 56702 | 60 |
| 50 | 25560 | 68894 | 31106 | 56665 | 50 |
| 60 | 25688 | 69059 | 30941 | 56629 | 40 |
| 70 | 25816 | 69223 | 30777 | 56593 | 30 |
| 80 | 25943 | 69387 | 30613 | 56556 | 20 |
| 90 | 26071 | 69552 | 30448 | 56520 | 10 |
| **19 oo** | 26199 | 69716 | 30284 | 56483 | **81 oo** |
| 10 | 26327 | 69880 | 30120 | 56447 | 90 |
| 20 | 26455 | 70044 | 29956 | 56411 | 80 |
| 30 | 26583 | 70209 | 29791 | 56374 | 70 |
| 40 | 26711 | 70373 | 29627 | 56338 | 60 |
| 50 | 26839 | 70537 | 29463 | 56302 | 50 |
| 60 | 26967 | 70702 | 29298 | 56265 | 40 |
| 70 | 27095 | 70866 | 29134 | 56229 | 30 |
| 80 | 27223 | 71030 | 28970 | 56192 | 20 |
| 90 | 27350 | 71194 | 28806 | 56156 | 10 |
| **20 oo** | 27478 | 71359 | 28641 | 56120 | **80 oo** |
| | **9.67** | **9.72** | **0.27** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 127 | 164 | 164 | 37 | 68g |

| | 165 | 164 | 129 | 128 | 127 | 37 | 36 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,5 | 16,4 | 12,9 | 12,8 | 12,7 | 3,7 | 3,6 | 1 |
| 2 | 33,0 | 32,8 | 25,8 | 25,6 | 25,4 | 7,4 | 7,2 | 2 |
| 3 | 49,5 | 49,2 | 38,7 | 38,4 | 38,1 | 11,1 | 10,8 | 3 |
| 4 | 66,0 | 65,6 | 51,6 | 51,2 | 50,8 | 14,8 | 14,4 | 4 |
| 5 | 82,5 | 82,0 | 64,5 | 64,0 | 63,5 | 18,5 | 18,0 | 5 |
| 6 | 99,0 | 98,4 | 77,4 | 76,8 | 76,2 | 22,2 | 21,6 | 6 |
| 7 | 115,5 | 114,8 | 90,3 | 89,6 | 88,9 | 25,9 | 25,2 | 7 |
| 8 | 132,0 | 131,2 | 103,2 | 102,4 | 101,6 | 29,6 | 28,8 | 8 |
| 9 | 148,5 | 147,6 | 116,1 | 115,2 | 114,3 | 33,3 | 32,4 | 9 |

| 31g | 128 | 165 | 165 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.72** | **0.27** | **9.94** | |
| **20 oo** | 27478 | 71359 | 28641 | 56120 | **80 oo** |
| 10 | 27606 | 71523 | 28477 | 56083 | 90 |
| 20 | 27734 | 71687 | 28313 | 56047 | 80 |
| 30 | 27862 | 71851 | 28149 | 56010 | 70 |
| 40 | 27990 | 72016 | 27984 | 55974 | 60 |
| 50 | 28118 | 72180 | 27820 | 55938 | 50 |
| 60 | 28245 | 72344 | 27656 | 55901 | 40 |
| 70 | 28373 | 72508 | 27492 | 55865 | 30 |
| 80 | 28501 | 72673 | 27327 | 55828 | 20 |
| 90 | 28629 | 72837 | 27163 | 55792 | 10 |
| **21 oo** | 28757 | 73001 | 26999 | 55756 | **79 oo** |
| 10 | 28885 | 73165 | 26835 | 55719 | 90 |
| 20 | 29012 | 73330 | 26670 | 55683 | 80 |
| 30 | 29140 | 73494 | 26506 | 55646 | 70 |
| 40 | 29268 | 73658 | 26342 | 55610 | 60 |
| 50 | 29396 | 73822 | 26178 | 55574 | 50 |
| 60 | 29524 | 73986 | 26014 | 55537 | 40 |
| 70 | 29651 | 74151 | 25849 | 55501 | 30 |
| 80 | 29779 | 74315 | 25685 | 55464 | 20 |
| 90 | 29907 | 74479 | 25521 | 55428 | 10 |
| **22 oo** | 30035 | 74643 | 25357 | 55391 | **78 oo** |
| 10 | 30162 | 74807 | 25193 | 55355 | 90 |
| 20 | 30290 | 74972 | 25028 | 55319 | 80 |
| 30 | 30418 | 75136 | 24864 | 55282 | 70 |
| 40 | 30546 | 75300 | 24700 | 55246 | 60 |
| 50 | 30674 | 75464 | 24536 | 55209 | 50 |
| 60 | 30801 | 75628 | 24372 | 55173 | 40 |
| 70 | 30929 | 75793 | 24207 | 55136 | 30 |
| 80 | 31057 | 75957 | 24043 | 55100 | 20 |
| 90 | 31184 | 76121 | 23879 | 55064 | 10 |
| **23 oo** | 31312 | 76285 | 23715 | 55027 | **77 oo** |
| 10 | 31440 | 76449 | 23551 | 54991 | 90 |
| 20 | 31568 | 76613 | 23387 | 54954 | 80 |
| 30 | 31695 | 76778 | 23222 | 54918 | 70 |
| 40 | 31823 | 76942 | 23058 | 54881 | 60 |
| 50 | 31951 | 77106 | 22894 | 54845 | 50 |
| 60 | 32078 | 77270 | 22730 | 54808 | 40 |
| 70 | 32206 | 77434 | 22566 | 54772 | 30 |
| 80 | 32334 | 77598 | 22402 | 54736 | 20 |
| 90 | 32462 | 77762 | 22238 | 54699 | 10 |
| **24 oo** | 32589 | 77926 | 22074 | 54663 | **76 oo** |
| 10 | 32717 | 78091 | 21909 | 54626 | 90 |
| 20 | 32845 | 78255 | 21745 | 54590 | 80 |
| 30 | 32972 | 78419 | 21581 | 54553 | 70 |
| 40 | 33100 | 78583 | 21417 | 54517 | 60 |
| 50 | 33228 | 78747 | 21253 | 54480 | 50 |
| 60 | 33355 | 78911 | 21089 | 54444 | 40 |
| 70 | 33483 | 79075 | 20925 | 54408 | 30 |
| 80 | 33610 | 79239 | 20761 | 54371 | 20 |
| 90 | 33738 | 79403 | 20597 | 54335 | 10 |
| **25 oo** | 33866 | 79568 | 20432 | 54298 | **75 oo** |
| | **9.67** | **9.72** | **0.27** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 127 | 164 | 164 | 37 | 68g |

| 31g | 128 | 165 | 165 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.72** | **0.27** | **9.94** | |
| **25 oo** | 33866 | 79568 | 20432 | 54298 | **75 oo** |
| 10 | 33993 | 79732 | 20268 | 54262 | 90 |
| 20 | 34121 | 79896 | 20104 | 54225 | 80 |
| 30 | 34249 | 80060 | 19940 | 54189 | 70 |
| 40 | 34376 | 80224 | 19776 | 54152 | 60 |
| 50 | 34504 | 80388 | 19612 | 54116 | 50 |
| 60 | 34631 | 80552 | 19448 | 54079 | 40 |
| 70 | 34759 | 80716 | 19284 | 54043 | 30 |
| 80 | 34887 | 80880 | 19120 | 54006 | 20 |
| 90 | 35014 | 81044 | 18956 | 53970 | 10 |
| **26 oo** | 35142 | 81208 | 18792 | 53933 | **74 oo** |
| 10 | 35269 | 81372 | 18628 | 53897 | 90 |
| 20 | 35397 | 81536 | 18464 | 53860 | 80 |
| 30 | 35524 | 81700 | 18300 | 53824 | 70 |
| 40 | 35652 | 81865 | 18135 | 53788 | 60 |
| 50 | 35780 | 82029 | 17971 | 53751 | 50 |
| 60 | 35907 | 82193 | 17807 | 53715 | 40 |
| 70 | 36035 | 82357 | 17643 | 53678 | 30 |
| 80 | 36162 | 82521 | 17479 | 53642 | 20 |
| 90 | 36290 | 82685 | 17315 | 53605 | 10 |
| **27 oo** | 36417 | 82849 | 17151 | 53569 | **73 oo** |
| 10 | 36545 | 83013 | 16987 | 53532 | 90 |
| 20 | 36672 | 83177 | 16823 | 53496 | 80 |
| 30 | 36800 | 83341 | 16659 | 53459 | 70 |
| 40 | 36927 | 83505 | 16495 | 53423 | 60 |
| 50 | 37055 | 83669 | 16331 | 53386 | 50 |
| 60 | 37182 | 83833 | 16167 | 53350 | 40 |
| 70 | 37310 | 83997 | 16003 | 53313 | 30 |
| 80 | 37437 | 84161 | 15839 | 53277 | 20 |
| 90 | 37565 | 84325 | 15675 | 53240 | 10 |
| **28 oo** | 37692 | 84489 | 15511 | 53204 | **72 oo** |
| 10 | 37820 | 84653 | 15347 | 53167 | 90 |
| 20 | 37947 | 84817 | 15183 | 53131 | 80 |
| 30 | 38075 | 84981 | 15019 | 53094 | 70 |
| 40 | 38202 | 85145 | 14855 | 53058 | 60 |
| 50 | 38330 | 85309 | 14691 | 53021 | 50 |
| 60 | 38457 | 85473 | 14527 | 52985 | 40 |
| 70 | 38585 | 85637 | 14363 | 52948 | 30 |
| 80 | 38712 | 85801 | 14199 | 52912 | 20 |
| 90 | 38840 | 85965 | 14035 | 52875 | 10 |
| **29 oo** | 38967 | 86129 | 13871 | 52838 | **71 oo** |
| 10 | 39094 | 86292 | 13708 | 52802 | 90 |
| 20 | 39222 | 86456 | 13544 | 52765 | 80 |
| 30 | 39349 | 86620 | 13380 | 52729 | 70 |
| 40 | 39477 | 86784 | 13216 | 52692 | 60 |
| 50 | 39604 | 86948 | 13052 | 52656 | 50 |
| 60 | 39732 | 87112 | 12888 | 52619 | 40 |
| 70 | 39859 | 87276 | 12724 | 52583 | 30 |
| 80 | 39986 | 87440 | 12560 | 52546 | 20 |
| 90 | 40114 | 87604 | 12396 | 52510 | 10 |
| **30 oo** | 40241 | 87768 | 12232 | 52473 | **70 oo** |
| | **9.67** | **9.72** | **0.27** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 127 | 163 | 163 | 37 | 68g |

| | 165 | 164 | 163 | 128 | 127 | 37 | 36 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,5 | 16,4 | 16,3 | 12,8 | 12,7 | 3,7 | 3,6 | 1 |
| 2 | 33,0 | 32,8 | 32,6 | 25,6 | 25,4 | 7,4 | 7,2 | 2 |
| 3 | 49,5 | 49,2 | 48,9 | 38,4 | 38,1 | 11,1 | 10,8 | 3 |
| 4 | 66,0 | 65,6 | 65,2 | 51,2 | 50,8 | 14,8 | 14,4 | 4 |
| 5 | 82,5 | 82,0 | 81,5 | 64,0 | 63,5 | 18,5 | 18,0 | 5 |
| 6 | 99,0 | 98,4 | 97,8 | 76,8 | 76,2 | 22,2 | 21,6 | 6 |
| 7 | 115,5 | 114,8 | 114,1 | 89,6 | 88,9 | 25,9 | 25,2 | 7 |
| 8 | 132,0 | 131,2 | 130,4 | 102,4 | 101,6 | 29,6 | 28,8 | 8 |
| 9 | 148,5 | 147,6 | 146,7 | 115,2 | 114,3 | 33,3 | 32,4 | 9 |

| 31g | 128 | 164 | 164 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.72** | **0.27** | **9.94** | |
| **30 oo** | 40241 | 87768 | 12232 | 52473 | **70 oo** |
| 10 | 40369 | 87932 | 12068 | 52437 | 90 |
| 20 | 40496 | 88096 | 11904 | 52400 | 80 |
| 30 | 40623 | 88260 | 11740 | 52364 | 70 |
| 40 | 40751 | 88424 | 11576 | 52327 | 60 |
| 50 | 40878 | 88587 | 11413 | 52291 | 50 |
| 60 | 41005 | 88751 | 11249 | 52254 | 40 |
| 70 | 41133 | 88915 | 11085 | 52217 | 30 |
| 80 | 41260 | 89079 | 10921 | 52181 | 20 |
| 90 | 41387 | 89243 | 10757 | 52144 | 10 |
| **31 oo** | 41515 | 89407 | 10593 | 52108 | **69 oo** |
| 10 | 41642 | 89571 | 10429 | 52071 | 90 |
| 20 | 41769 | 89735 | 10265 | 52035 | 80 |
| 30 | 41897 | 89899 | 10101 | 51998 | 70 |
| 40 | 42024 | 90062 | 09938 | 51962 | 60 |
| 50 | 42151 | 90226 | 09774 | 51925 | 50 |
| 60 | 42279 | 90390 | 09610 | 51889 | 40 |
| 70 | 42406 | 90554 | 09446 | 51852 | 30 |
| 80 | 42533 | 90718 | 09282 | 51815 | 20 |
| 90 | 42661 | 90882 | 09118 | 51779 | 10 |
| **32 oo** | 42788 | 91046 | 08954 | 51742 | **68 oo** |
| 10 | 42915 | 91209 | 08791 | 51706 | 90 |
| 20 | 43042 | 91373 | 08627 | 51669 | 80 |
| 30 | 43170 | 91537 | 08463 | 51633 | 70 |
| 40 | 43297 | 91701 | 08299 | 51596 | 60 |
| 50 | 43424 | 91865 | 08135 | 51559 | 50 |
| 60 | 43552 | 92029 | 07971 | 51523 | 40 |
| 70 | 43679 | 92192 | 07808 | 51486 | 30 |
| 80 | 43806 | 92356 | 07644 | 51450 | 20 |
| 90 | 43933 | 92520 | 07480 | 51413 | 10 |
| **33 oo** | 44061 | 92684 | 07316 | 51377 | **67 oo** |
| 10 | 44188 | 92848 | 07152 | 51340 | 90 |
| 20 | 44315 | 93012 | 06988 | 51303 | 80 |
| 30 | 44442 | 93175 | 06825 | 51267 | 70 |
| 40 | 44570 | 93339 | 06661 | 51230 | 60 |
| 50 | 44697 | 93503 | 06497 | 51194 | 50 |
| 60 | 44824 | 93667 | 06333 | 51157 | 40 |
| 70 | 44951 | 93831 | 06169 | 51121 | 30 |
| 80 | 45078 | 93994 | 06006 | 51084 | 20 |
| 90 | 45206 | 94158 | 05842 | 51047 | 10 |
| **34 oo** | 45333 | 94322 | 05678 | 51011 | **66 oo** |
| 10 | 45460 | 94486 | 05514 | 50974 | 90 |
| 20 | 45587 | 94650 | 05350 | 50938 | 80 |
| 30 | 45714 | 94813 | 05187 | 50901 | 70 |
| 40 | 45842 | 94977 | 05023 | 50864 | 60 |
| 50 | 45969 | 95141 | 04859 | 50828 | 50 |
| 60 | 46096 | 95305 | 04695 | 50791 | 40 |
| 70 | 46223 | 95468 | 04532 | 50755 | 30 |
| 80 | 46350 | 95632 | 04368 | 50718 | 20 |
| 90 | 46477 | 95796 | 04204 | 50681 | 10 |
| **35 oo** | 46604 | 95960 | 04040 | 50645 | **65 oo** |
| | **9.67** | **9.72** | **0.27** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 127 | 163 | 163 | 37 | 68g |

| 31g | 128 | 164 | 164 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | ***9.72** | ***0.27** | **9.94** | |
| **35 oo** | 46604 | *95960 | *04040 | 50645 | **65 oo** |
| 10 | 46732 | *96123 | *03877 | 50608 | 90 |
| 20 | 46859 | *96287 | *03713 | 50572 | 80 |
| 30 | 46986 | *96451 | *03549 | 50535 | 70 |
| 40 | 47113 | *96615 | *03385 | 50498 | 60 |
| 50 | 47240 | *96778 | *03222 | 50462 | 50 |
| 60 | 47367 | *96942 | *03058 | 50425 | 40 |
| 70 | 47494 | *97106 | *02894 | 50389 | 30 |
| 80 | 47622 | *97270 | *02730 | 50352 | 20 |
| 90 | 47749 | *97433 | *02567 | 50315 | 10 |
| **36 oo** | 47876 | *97597 | *02403 | 50279 | **64 oo** |
| 10 | 48003 | *97761 | *02239 | 50242 | 90 |
| 20 | 48130 | *97924 | *02076 | 50206 | 80 |
| 30 | 48257 | *98088 | *01912 | 50169 | 70 |
| 40 | 48384 | *98252 | *01748 | 50132 | 60 |
| 50 | 48511 | *98415 | *01585 | 50096 | 50 |
| 60 | 48638 | *98579 | *01421 | 50059 | 40 |
| 70 | 48765 | *98743 | *01257 | 50022 | 30 |
| 80 | 48892 | *98907 | *01093 | 49986 | 20 |
| 90 | 49019 | *99070 | *00930 | 49949 | 10 |
| **37 oo** | 49146 | *99234 | *00766 | 49913 | **63 oo** |
| 10 | 49274 | *99398 | *00602 | 49876 | 90 |
| 20 | 49401 | *99561 | *00439 | 49839 | 80 |
| 30 | 49528 | *99725 | *00275 | 49803 | 70 |
| 40 | 49655 | *99889 | *00111 | 49766 | 60 |
| 50 | 49782 | 00052 | 99948 | 49729 | 50 |
| 60 | 49909 | 00216 | 99784 | 49693 | 40 |
| 70 | 50036 | 00380 | 99620 | 49656 | 30 |
| 80 | 50163 | 00543 | 99457 | 49619 | 20 |
| 90 | 50290 | 00707 | 99293 | 49583 | 10 |
| **38 oo** | 50417 | 00871 | 99129 | 49546 | **62 oo** |
| 10 | 50544 | 01034 | 98966 | 49510 | 90 |
| 20 | 50671 | 01198 | 98802 | 49473 | 80 |
| 30 | 50798 | 01361 | 98639 | 49436 | 70 |
| 40 | 50925 | 01525 | 98475 | 49400 | 60 |
| 50 | 51052 | 01689 | 98311 | 49363 | 50 |
| 60 | 51179 | 01852 | 98148 | 49326 | 40 |
| 70 | 51306 | 02016 | 97984 | 49290 | 30 |
| 80 | 51433 | 02180 | 97820 | 49253 | 20 |
| 90 | 51560 | 02343 | 97657 | 49216 | 10 |
| **39 oo** | 51687 | 02507 | 97493 | 49180 | **61 oo** |
| 10 | 51814 | 02670 | 97330 | 49143 | 90 |
| 20 | 51940 | 02834 | 97166 | 49106 | 80 |
| 30 | 52067 | 02998 | 97002 | 49070 | 70 |
| 40 | 52194 | 03161 | 96839 | 49033 | 60 |
| 50 | 52321 | 03325 | 96675 | 48996 | 50 |
| 60 | 52448 | 03488 | 96512 | 48960 | 40 |
| 70 | 52575 | 03652 | 96348 | 48923 | 30 |
| 80 | 52702 | 03816 | 96184 | 48886 | 20 |
| 90 | 52829 | 03979 | 96021 | 48850 | 10 |
| **40 oo** | 52956 | 04143 | 95857 | 48813 | **60 oo** |
| | **9.67** | **9.73** | **0.26** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 126 | 163 | 163 | 37 | 68g |

| | 164 | 163 | 128 | 127 | 126 | 37 | 36 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,4 | 16,3 | 12,8 | 12,7 | 12,6 | 3,7 | 3,6 | 1 |
| 2 | 32,8 | 32,6 | 25,6 | 25,4 | 25,2 | 7,4 | 7,2 | 2 |
| 3 | 49,2 | 48,9 | 38,4 | 38,1 | 37,8 | 11,1 | 10,8 | 3 |
| 4 | 65,6 | 65,2 | 51,2 | 50,8 | 50,4 | 14,8 | 14,4 | 4 |
| 5 | 82,0 | 81,5 | 64,0 | 63,5 | 63,0 | 18,5 | 18,0 | 5 |
| 6 | 98,4 | 97,8 | 76,8 | 76,2 | 75,6 | 22,2 | 21,6 | 6 |
| 7 | 114,8 | 114,1 | 89,6 | 88,9 | 88,2 | 25,9 | 25,2 | 7 |
| 8 | 131,2 | 130,4 | 102,4 | 101,6 | 100,8 | 29,6 | 28,8 | 8 |
| 9 | 147,6 | 146,7 | 115,2 | 114,3 | 113,4 | 33,3 | 32,4 | 9 |

| 31g | 127 | 164 | 164 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.73** | **0.26** | **9.94** | |
| **40 oo** | 52956 | 04143 | 95857 | 48813 | **60 oo** |
| 10 | 53083 | 04306 | 95694 | 48776 | 90 |
| 20 | 53210 | 04470 | 95530 | 48740 | 80 |
| 30 | 53337 | 04634 | 95366 | 48703 | 70 |
| 40 | 53463 | 04797 | 95203 | 48666 | 60 |
| 50 | 53590 | 04961 | 95039 | 48630 | 50 |
| 60 | 53717 | 05124 | 94876 | 48593 | 40 |
| 70 | 53844 | 05288 | 94712 | 48556 | 30 |
| 80 | 53971 | 05451 | 94549 | 48520 | 20 |
| 90 | 54098 | 05615 | 94385 | 48483 | 10 |
| **41 oo** | 54225 | 05778 | 94222 | 48446 | **59 oo** |
| 10 | 54352 | 05942 | 94058 | 48410 | 90 |
| 20 | 54478 | 06106 | 93894 | 48373 | 80 |
| 30 | 54605 | 06269 | 93731 | 48336 | 70 |
| 40 | 54732 | 06433 | 93567 | 48300 | 60 |
| 50 | 54859 | 06596 | 93404 | 48263 | 50 |
| 60 | 54986 | 06760 | 93240 | 48226 | 40 |
| 70 | 55113 | 06923 | 93077 | 48189 | 30 |
| 80 | 55239 | 07087 | 92913 | 48153 | 20 |
| 90 | 55366 | 07250 | 92750 | 48116 | 10 |
| **42 oo** | 55493 | 07414 | 92586 | 48079 | **58 oo** |
| 10 | 55620 | 07577 | 92423 | 48043 | 90 |
| 20 | 55747 | 07741 | 92259 | 48006 | 80 |
| 30 | 55874 | 07904 | 92096 | 47969 | 70 |
| 40 | 56000 | 08068 | 91932 | 47933 | 60 |
| 50 | 56127 | 08231 | 91769 | 47896 | 50 |
| 60 | 56254 | 08395 | 91605 | 47859 | 40 |
| 70 | 56381 | 08558 | 91442 | 47822 | 30 |
| 80 | 56507 | 08722 | 91278 | 47786 | 20 |
| 90 | 56634 | 08885 | 91115 | 47749 | 10 |
| **43 oo** | 56761 | 09049 | 90951 | 47712 | **57 oo** |
| 10 | 56888 | 09212 | 90788 | 47676 | 90 |
| 20 | 57015 | 09376 | 90624 | 47639 | 80 |
| 30 | 57141 | 09539 | 90461 | 47602 | 70 |
| 40 | 57268 | 09703 | 90297 | 47565 | 60 |
| 50 | 57395 | 09866 | 90134 | 47529 | 50 |
| 60 | 57521 | 10029 | 89971 | 47492 | 40 |
| 70 | 57648 | 10193 | 89807 | 47455 | 30 |
| 80 | 57775 | 10356 | 89644 | 47419 | 20 |
| 90 | 57902 | 10520 | 89480 | 47382 | 10 |
| **44 oo** | 58028 | 10683 | 89317 | 47345 | **56 oo** |
| 10 | 58155 | 10847 | 89153 | 47308 | 90 |
| 20 | 58282 | 11010 | 88990 | 47272 | 80 |
| 30 | 58409 | 11174 | 88826 | 47235 | 70 |
| 40 | 58535 | 11337 | 88663 | 47198 | 60 |
| 50 | 58662 | 11500 | 88500 | 47161 | 50 |
| 60 | 58789 | 11664 | 88336 | 47125 | 40 |
| 70 | 58915 | 11827 | 88173 | 47088 | 30 |
| 80 | 59042 | 11991 | 88009 | 47051 | 20 |
| 90 | 59169 | 12154 | 87846 | 47015 | 10 |
| **45 oo** | 59295 | 12318 | 87682 | 46978 | **55 oo** |
| | **9.67** | **9.73** | **0.26** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 68g |
| | 126 | 163 | 163 | 37 | |

| 31g | 127 | 164 | 164 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.73** | **0.26** | **9.94** | |
| **45 oo** | 59295 | 12318 | 87682 | 46978 | **55 oo** |
| 10 | 59422 | 12481 | 87519 | 46941 | 90 |
| 20 | 59549 | 12644 | 87356 | 46904 | 80 |
| 30 | 59675 | 12808 | 87192 | 46868 | 70 |
| 40 | 59802 | 12971 | 87029 | 46831 | 60 |
| 50 | 59929 | 13135 | 86865 | 46794 | 50 |
| 60 | 60055 | 13298 | 86702 | 46757 | 40 |
| 70 | 60182 | 13461 | 86539 | 46721 | 30 |
| 80 | 60309 | 13625 | 86375 | 46684 | 20 |
| 90 | 60435 | 13788 | 86212 | 46647 | 10 |
| **46 oo** | 60562 | 13951 | 86049 | 46610 | **54 oo** |
| 10 | 60688 | 14115 | 85885 | 46574 | 90 |
| 20 | 60815 | 14278 | 85722 | 46537 | 80 |
| 30 | 60942 | 14442 | 85558 | 46500 | 70 |
| 40 | 61068 | 14605 | 85395 | 46463 | 60 |
| 50 | 61195 | 14768 | 85232 | 46427 | 50 |
| 60 | 61321 | 14932 | 85068 | 46390 | 40 |
| 70 | 61448 | 15095 | 84905 | 46353 | 30 |
| 80 | 61575 | 15258 | 84742 | 46316 | 20 |
| 90 | 61701 | 15422 | 84578 | 46280 | 10 |
| **47 oo** | 61828 | 15585 | 84415 | 46243 | **53 oo** |
| 10 | 61954 | 15748 | 84252 | 46206 | 90 |
| 20 | 62081 | 15912 | 84088 | 46169 | 80 |
| 30 | 62207 | 16075 | 83925 | 46132 | 70 |
| 40 | 62334 | 16238 | 83762 | 46096 | 60 |
| 50 | 62461 | 16402 | 83598 | 46059 | 50 |
| 60 | 62587 | 16565 | 83435 | 46022 | 40 |
| 70 | 62714 | 16728 | 83272 | 45985 | 30 |
| 80 | 62840 | 16892 | 83108 | 45949 | 20 |
| 90 | 62967 | 17055 | 82945 | 45912 | 10 |
| **48 oo** | 63093 | 17218 | 82782 | 45875 | **52 oo** |
| 10 | 63220 | 17382 | 82618 | 45838 | 90 |
| 20 | 63346 | 17545 | 82455 | 45801 | 80 |
| 30 | 63473 | 17708 | 82292 | 45765 | 70 |
| 40 | 63599 | 17871 | 82129 | 45728 | 60 |
| 50 | 63726 | 18035 | 81965 | 45691 | 50 |
| 60 | 63852 | 18198 | 81802 | 45654 | 40 |
| 70 | 63979 | 18361 | 81639 | 45617 | 30 |
| 80 | 64105 | 18525 | 81475 | 45581 | 20 |
| 90 | 64232 | 18688 | 81312 | 45544 | 10 |
| **49 oo** | 64358 | 18851 | 81149 | 45507 | **51 oo** |
| 10 | 64485 | 19014 | 80986 | 45470 | 90 |
| 20 | 64611 | 19178 | 80822 | 45434 | 80 |
| 30 | 64738 | 19341 | 80659 | 45397 | 70 |
| 40 | 64864 | 19504 | 80496 | 45360 | 60 |
| 50 | 64991 | 19668 | 80332 | 45323 | 50 |
| 60 | 65117 | 19831 | 80169 | 45286 | 40 |
| 70 | 65244 | 19994 | 80006 | 45250 | 30 |
| 80 | 65370 | 20157 | 79843 | 45213 | 20 |
| 90 | 65496 | 20321 | 79679 | 45176 | 10 |
| **50 oo** | 65623 | 20484 | 79516 | 45139 | **50 oo** |
| | **9.67** | **9.73** | **0.26** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 68g |
| | 126 | 163 | 163 | 37 | |

| | 164 | 163 | 127 | 126 | 37 | 36 | |
|---|---|---|---|---|---|---|---|
| 1 | 16,4 | 16,3 | 12,7 | 12,6 | 3,7 | 3,6 | 1 |
| 2 | 32,8 | 32,6 | 25,4 | 25,2 | 7,4 | 7,2 | 2 |
| 3 | 49,2 | 48,9 | 38,1 | 37,8 | 11,1 | 10,8 | 3 |
| 4 | 65,6 | 65,2 | 50,8 | 50,4 | 14,8 | 14,4 | 4 |
| 5 | 82,0 | 81,5 | 63,5 | 63,0 | 18,5 | 18,0 | 5 |
| 6 | 98,4 | 97,8 | 76,2 | 75,6 | 22,2 | 21,6 | 6 |
| 7 | 114,8 | 114,1 | 88,9 | 88,2 | 25,9 | 25,2 | 7 |
| 8 | 131,2 | 130,4 | 101,6 | 100,8 | 29,6 | 28,8 | 8 |
| 9 | 147,6 | 146,7 | 114,3 | 113,4 | 33,3 | 32,4 | 9 |

| 31g | 127 | 164 | 164 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.73** | **0.26** | **9.94** | |
| **50 oo** | 65623 | 20484 | 79516 | 45139 | **50 oo** |
| 10 | 65749 | 20647 | 79353 | 45102 | 90 |
| 20 | 65876 | 20810 | 79190 | 45065 | 80 |
| 30 | 66002 | 20973 | 79027 | 45029 | 70 |
| 40 | 66129 | 21137 | 78863 | 44992 | 60 |
| 50 | 66255 | 21300 | 78700 | 44955 | 50 |
| 60 | 66381 | 21463 | 78537 | 44918 | 40 |
| 70 | 66508 | 21626 | 78374 | 44881 | 30 |
| 80 | 66634 | 21790 | 78210 | 44845 | 20 |
| 90 | 66761 | 21953 | 78047 | 44808 | 10 |
| **51 oo** | 66887 | 22116 | 77884 | 44771 | **49 oo** |
| 10 | 67013 | 22279 | 77721 | 44734 | 90 |
| 20 | 67140 | 22442 | 77558 | 44697 | 80 |
| 30 | 67266 | 22606 | 77394 | 44660 | 70 |
| 40 | 67392 | 22769 | 77231 | 44624 | 60 |
| 50 | 67519 | 22932 | 77068 | 44587 | 50 |
| 60 | 67645 | 23095 | 76905 | 44550 | 40 |
| 70 | 67772 | 23258 | 76742 | 44513 | 30 |
| 80 | 67898 | 23422 | 76578 | 44476 | 20 |
| 90 | 68024 | 23585 | 76415 | 44439 | 10 |
| **52 oo** | 68151 | 23748 | 76252 | 44403 | **48 oo** |
| 10 | 68277 | 23911 | 76089 | 44366 | 90 |
| 20 | 68403 | 24074 | 75926 | 44329 | 80 |
| 30 | 68530 | 24237 | 75763 | 44292 | 70 |
| 40 | 68656 | 24401 | 75599 | 44255 | 60 |
| 50 | 68782 | 24564 | 75436 | 44218 | 50 |
| 60 | 68908 | 24727 | 75273 | 44182 | 40 |
| 70 | 69035 | 24890 | 75110 | 44145 | 30 |
| 80 | 69161 | 25053 | 74947 | 44108 | 20 |
| 90 | 69287 | 25216 | 74784 | 44071 | 10 |
| **53 oo** | 69414 | 25379 | 74621 | 44034 | **47 oo** |
| 10 | 69540 | 25543 | 74457 | 43997 | 90 |
| 20 | 69666 | 25706 | 74294 | 43961 | 80 |
| 30 | 69793 | 25869 | 74131 | 43924 | 70 |
| 40 | 69919 | 26032 | 73968 | 43887 | 60 |
| 50 | 70045 | 26195 | 73805 | 43850 | 50 |
| 60 | 70171 | 26358 | 73642 | 43813 | 40 |
| 70 | 70298 | 26521 | 73479 | 43776 | 30 |
| 80 | 70424 | 26684 | 73316 | 43739 | 20 |
| 90 | 70550 | 26848 | 73152 | 43702 | 10 |
| **54 oo** | 70676 | 27011 | 72989 | 43666 | **46 oo** |
| 10 | 70803 | 27174 | 72826 | 43629 | 90 |
| 20 | 70929 | 27337 | 72663 | 43592 | 80 |
| 30 | 71055 | 27500 | 72500 | 43555 | 70 |
| 40 | 71181 | 27663 | 72337 | 43518 | 60 |
| 50 | 71307 | 27826 | 72174 | 43481 | 50 |
| 60 | 71434 | 27989 | 72011 | 43444 | 40 |
| 70 | 71560 | 28152 | 71848 | 43408 | 30 |
| 80 | 71686 | 28315 | 71685 | 43371 | 20 |
| 90 | 71812 | 28479 | 71521 | 43334 | 10 |
| **55 oo** | 71939 | 28642 | 71358 | 43297 | **45 oo** |
| | **9.67** | **9.73** | **0.26** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 126 | 163 | 163 | 37 | 68g |

| 31g | 127 | 163 | 163 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.73** | **0.26** | **9.94** | |
| **55 oo** | 71939 | 28642 | 71358 | 43297 | **45 oo** |
| 10 | 72065 | 28805 | 71195 | 43260 | 90 |
| 20 | 72191 | 28968 | 71032 | 43223 | 80 |
| 30 | 72317 | 29131 | 70869 | 43186 | 70 |
| 40 | 72443 | 29294 | 70706 | 43149 | 60 |
| 50 | 72569 | 29457 | 70543 | 43113 | 50 |
| 60 | 72696 | 29620 | 70380 | 43076 | 40 |
| 70 | 72822 | 29783 | 70217 | 43039 | 30 |
| 80 | 72948 | 29946 | 70054 | 43002 | 20 |
| 90 | 73074 | 30109 | 69891 | 42965 | 10 |
| **56 oo** | 73200 | 30272 | 69728 | 42928 | **44 oo** |
| 10 | 73326 | 30435 | 69565 | 42891 | 90 |
| 20 | 73453 | 30598 | 69402 | 42854 | 80 |
| 30 | 73579 | 30761 | 69239 | 42817 | 70 |
| 40 | 73705 | 30924 | 69076 | 42780 | 60 |
| 50 | 73831 | 31087 | 68913 | 42744 | 50 |
| 60 | 73957 | 31250 | 68750 | 42707 | 40 |
| 70 | 74083 | 31413 | 68587 | 42670 | 30 |
| 80 | 74209 | 31576 | 68424 | 42633 | 20 |
| 90 | 74335 | 31739 | 68261 | 42596 | 10 |
| **57 oo** | 74461 | 31902 | 68098 | 42559 | **43 oo** |
| 10 | 74588 | 32065 | 67935 | 42522 | 90 |
| 20 | 74714 | 32228 | 67772 | 42485 | 80 |
| 30 | 74840 | 32391 | 67609 | 42448 | 70 |
| 40 | 74966 | 32554 | 67446 | 42411 | 60 |
| 50 | 75092 | 32717 | 67283 | 42375 | 50 |
| 60 | 75218 | 32880 | 67120 | 42338 | 40 |
| 70 | 75344 | 33043 | 66957 | 42301 | 30 |
| 80 | 75470 | 33206 | 66794 | 42264 | 20 |
| 90 | 75596 | 33369 | 66631 | 42227 | 10 |
| **58 oo** | 75722 | 33532 | 66468 | 42190 | **42 oo** |
| 10 | 75848 | 33695 | 66305 | 42153 | 90 |
| 20 | 75974 | 33858 | 66142 | 42116 | 80 |
| 30 | 76100 | 34021 | 65979 | 42079 | 70 |
| 40 | 76226 | 34184 | 65816 | 42042 | 60 |
| 50 | 76352 | 34347 | 65653 | 42005 | 50 |
| 60 | 76478 | 34510 | 65490 | 41968 | 40 |
| 70 | 76604 | 34673 | 65327 | 41931 | 30 |
| 80 | 76730 | 34836 | 65164 | 41895 | 20 |
| 90 | 76856 | 34999 | 65001 | 41858 | 10 |
| **59 oo** | 76982 | 35162 | 64838 | 41821 | **41 oo** |
| 10 | 77109 | 35325 | 64675 | 41784 | 90 |
| 20 | 77235 | 35488 | 64512 | 41747 | 80 |
| 30 | 77360 | 35651 | 64349 | 41710 | 70 |
| 40 | 77486 | 35814 | 64186 | 41673 | 60 |
| 50 | 77612 | 35976 | 64024 | 41636 | 50 |
| 60 | 77738 | 36139 | 63861 | 41599 | 40 |
| 70 | 77864 | 36302 | 63698 | 41562 | 30 |
| 80 | 77990 | 36465 | 63535 | 41525 | 20 |
| 90 | 78116 | 36628 | 63372 | 41488 | 10 |
| **60 oo** | 78242 | 36791 | 63209 | 41451 | **40 oo** |
| | **9.67** | **9.73** | **0.26** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 125 | 162 | 162 | 37 | 68g |

| | 164 | 163 | 162 | 127 | 126 | 125 | 37 | 36 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16,4 | 16,3 | 16,2 | 12,7 | 12,6 | 12,5 | 3,7 | 3,6 | 1 |
| 2 | 32,8 | 32,6 | 32,4 | 25,4 | 25,2 | 25,0 | 7,4 | 7,2 | 2 |
| 3 | 49,2 | 48,9 | 48,6 | 38,1 | 37,8 | 37,5 | 11,1 | 10,8 | 3 |
| 4 | 65,6 | 65,2 | 64,8 | 50,8 | 50,4 | 50,0 | 14,8 | 14,4 | 4 |
| 5 | 82,0 | 81,5 | 81,0 | 63,5 | 63,0 | 62,5 | 18,5 | 18,0 | 5 |
| 6 | 98,4 | 97,8 | 97,2 | 76,2 | 75,6 | 75,0 | 22,2 | 21,6 | 6 |
| 7 | 114,8 | 114,1 | 113,4 | 88,9 | 88,2 | 87,5 | 25,9 | 25,2 | 7 |
| 8 | 131,2 | 130,4 | 129,6 | 101,6 | 100,8 | 100,0 | 29,6 | 28,8 | 8 |
| 9 | 147,6 | 146,7 | 145,8 | 114,3 | 113,4 | 112,5 | 33,3 | 32,4 | 9 |

| **31g** | 126 | 163 | 163 | 36 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.73** | **0.26** | **9.94** | |
| **60 oo** | 78242 | 36791 | 63209 | 41451 | **40 oo** |
| 10 | 78368 | 36954 | 63046 | 41414 | 90 |
| 20 | 78494 | 37117 | 62883 | 41377 | 80 |
| 30 | 78620 | 37280 | 62720 | 41340 | 70 |
| 40 | 78746 | 37443 | 62557 | 41303 | 60 |
| 50 | 78872 | 37606 | 62394 | 41267 | 50 |
| 60 | 78998 | 37768 | 62232 | 41230 | 40 |
| 70 | 79124 | 37931 | 62069 | 41193 | 30 |
| 80 | 79250 | 38094 | 61906 | 41156 | 20 |
| 90 | 79376 | 38257 | 61743 | 41119 | 10 |
| **61 oo** | 79502 | 38420 | 61580 | 41082 | **39 oo** |
| 10 | 79628 | 38583 | 61417 | 41045 | 90 |
| 20 | 79753 | 38746 | 61254 | 41008 | 80 |
| 30 | 79879 | 38909 | 61091 | 40971 | 70 |
| 40 | 80005 | 39071 | 60929 | 40934 | 60 |
| 50 | 80131 | 39234 | 60766 | 40897 | 50 |
| 60 | 80257 | 39397 | 60603 | 40860 | 40 |
| 70 | 80383 | 39560 | 60440 | 40823 | 30 |
| 80 | 80509 | 39723 | 60277 | 40786 | 20 |
| 90 | 80635 | 39886 | 60114 | 40749 | 10 |
| **62 oo** | 80761 | 40048 | 59952 | 40712 | **38 oo** |
| 10 | 80886 | 40211 | 59789 | 40675 | 90 |
| 20 | 81012 | 40374 | 59626 | 40638 | 80 |
| 30 | 81138 | 40537 | 59463 | 40601 | 70 |
| 40 | 81264 | 40700 | 59300 | 40564 | 60 |
| 50 | 81390 | 40863 | 59137 | 40527 | 50 |
| 60 | 81516 | 41025 | 58975 | 40490 | 40 |
| 70 | 81641 | 41188 | 58812 | 40453 | 30 |
| 80 | 81767 | 41351 | 58649 | 40416 | 20 |
| 90 | 81893 | 41514 | 58486 | 40379 | 10 |
| **63 oo** | 82019 | 41677 | 58323 | 40342 | **37 oo** |
| 10 | 82145 | 41839 | 58161 | 40305 | 90 |
| 20 | 82271 | 42002 | 57998 | 40268 | 80 |
| 30 | 82396 | 42165 | 57835 | 40231 | 70 |
| 40 | 82522 | 42328 | 57672 | 40194 | 60 |
| 50 | 82648 | 42491 | 57509 | 40157 | 50 |
| 60 | 82774 | 42653 | 57347 | 40120 | 40 |
| 70 | 82900 | 42816 | 57184 | 40083 | 30 |
| 80 | 83025 | 42979 | 57021 | 40046 | 20 |
| 90 | 83151 | 43142 | 56858 | 40009 | 10 |
| **64 oo** | 83277 | 43305 | 56695 | 39972 | **36 oo** |
| 10 | 83403 | 43467 | 56533 | 39935 | 90 |
| 20 | 83528 | 43630 | 56370 | 39898 | 80 |
| 30 | 83654 | 43793 | 56207 | 39861 | 70 |
| 40 | 83780 | 43956 | 56044 | 39824 | 60 |
| 50 | 83906 | 44118 | 55882 | 39787 | 50 |
| 60 | 84031 | 44281 | 55719 | 39750 | 40 |
| 70 | 84157 | 44444 | 55556 | 39713 | 30 |
| 80 | 84283 | 44607 | 55393 | 39676 | 20 |
| 90 | 84409 | 44769 | 55231 | 39639 | 10 |
| **65 oo** | 84534 | 44932 | 55068 | 39602 | **35 oo** |
| | **9.67** | **9.73** | **0.26** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **68g** |
| | 125 | 162 | 162 | 37 | |

| **31g** | 126 | 163 | 163 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.73** | **0.26** | **9.94** | |
| **65 oo** | 84534 | 44932 | 55068 | 39602 | **35 oo** |
| 10 | 84660 | 45095 | 54905 | 39565 | 90 |
| 20 | 84786 | 45258 | 54742 | 39528 | 80 |
| 30 | 84911 | 45420 | 54580 | 39491 | 70 |
| 40 | 85037 | 45583 | 54417 | 39454 | 60 |
| 50 | 85163 | 45746 | 54254 | 39417 | 50 |
| 60 | 85289 | 45908 | 54092 | 39380 | 40 |
| 70 | 85414 | 46071 | 53929 | 39343 | 30 |
| 80 | 85540 | 46234 | 53766 | 39306 | 20 |
| 90 | 85666 | 46397 | 53603 | 39269 | 10 |
| **66 oo** | 85791 | 46559 | 53441 | 39232 | **34 oo** |
| 10 | 85917 | 46722 | 53278 | 39195 | 90 |
| 20 | 86043 | 46885 | 53115 | 39158 | 80 |
| 30 | 86168 | 47047 | 52953 | 39121 | 70 |
| 40 | 86294 | 47210 | 52790 | 39084 | 60 |
| 50 | 86420 | 47373 | 52627 | 39047 | 50 |
| 60 | 86545 | 47536 | 52464 | 39010 | 40 |
| 70 | 86671 | 47698 | 52302 | 38973 | 30 |
| 80 | 86797 | 47861 | 52139 | 38936 | 20 |
| 90 | 86922 | 48024 | 51976 | 38899 | 10 |
| **67 oo** | 87048 | 48186 | 51814 | 38862 | **33 oo** |
| 10 | 87173 | 48349 | 51651 | 38825 | 90 |
| 20 | 87299 | 48512 | 51488 | 38787 | 80 |
| 30 | 87425 | 48674 | 51326 | 38750 | 70 |
| 40 | 87550 | 48837 | 51163 | 38713 | 60 |
| 50 | 87676 | 49000 | 51000 | 38676 | 50 |
| 60 | 87801 | 49162 | 50838 | 38639 | 40 |
| 70 | 87927 | 49325 | 50675 | 38602 | 30 |
| 80 | 88053 | 49487 | 50513 | 38565 | 20 |
| 90 | 88178 | 49650 | 50350 | 38528 | 10 |
| **68 oo** | 88304 | 49813 | 50187 | 38491 | **32 oo** |
| 10 | 88429 | 49975 | 50025 | 38454 | 90 |
| 20 | 88555 | 50138 | 49862 | 38417 | 80 |
| 30 | 88681 | 50301 | 49699 | 38380 | 70 |
| 40 | 88806 | 50463 | 49537 | 38343 | 60 |
| 50 | 88932 | 50626 | 49374 | 38306 | 50 |
| 60 | 89057 | 50789 | 49211 | 38269 | 40 |
| 70 | 89183 | 50951 | 49049 | 38232 | 30 |
| 80 | 89308 | 51114 | 48886 | 38195 | 20 |
| 90 | 89434 | 51276 | 48724 | 38157 | 10 |
| **69 oo** | 89559 | 51439 | 48561 | 38120 | **31 oo** |
| 10 | 89685 | 51602 | 48398 | 38083 | 90 |
| 20 | 89810 | 51764 | 48236 | 38046 | 80 |
| 30 | 89936 | 51927 | 48073 | 38009 | 70 |
| 40 | 90062 | 52089 | 47911 | 37972 | 60 |
| 50 | 90187 | 52252 | 47748 | 37935 | 50 |
| 60 | 90313 | 52415 | 47585 | 37898 | 40 |
| 70 | 90438 | 52577 | 47423 | 37861 | 30 |
| 80 | 90564 | 52740 | 47260 | 37824 | 20 |
| 90 | 90689 | 52902 | 47098 | 37787 | 10 |
| **70 oo** | 90815 | 53065 | 46935 | 37750 | **30 oo** |
| | **9.67** | **9.73** | **0.26** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **68g** |
| | 125 | 162 | 162 | 38 | |

| | 163 | 162 | 126 | 125 | 38 | 37 | 36 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,3 | 16,2 | 12,6 | 12,5 | 3,8 | 3,7 | 3,6 | 1 |
| 2 | 32,6 | 32,4 | 25,2 | 25,0 | 7,6 | 7,4 | 7,2 | 2 |
| 3 | 48,9 | 48,6 | 37,8 | 37,5 | 11,4 | 11,1 | 10,8 | 3 |
| 4 | 65,2 | 64,8 | 50,4 | 50,0 | 15,2 | 14,8 | 14,4 | 4 |
| 5 | 81,5 | 81,0 | 63,0 | 62,5 | 19,0 | 18,5 | 18,0 | 5 |
| 6 | 97,8 | 97,2 | 75,6 | 75,0 | 22,8 | 22,2 | 21,6 | 6 |
| 7 | 114,1 | 113,4 | 88,2 | 87,5 | 26,6 | 25,9 | 25,2 | 7 |
| 8 | 130,4 | 129,6 | 100,8 | 100,0 | 30,4 | 29,6 | 28,8 | 8 |
| 9 | 146,7 | 145,8 | 113,4 | 112,5 | 34,2 | 33,3 | 32,4 | 9 |

| 31g | 126 | 163 | 163 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.67** | **9.73** | **0.26** | **9.94** | |
| **70 oo** | 90815 | 53065 | 46935 | 37750 | **30 oo** |
| 10 | 90940 | 53227 | 46773 | 37713 | 90 |
| 20 | 91065 | 53390 | 46610 | 37675 | 80 |
| 30 | 91191 | 53553 | 46447 | 37638 | 70 |
| 40 | 91316 | 53715 | 46285 | 37601 | 60 |
| 50 | 91442 | 53878 | 46122 | 37564 | 50 |
| 60 | 91567 | 54040 | 45960 | 37527 | 40 |
| 70 | 91693 | 54203 | 45797 | 37490 | 30 |
| 80 | 91818 | 54365 | 45635 | 37453 | 20 |
| 90 | 91944 | 54528 | 45472 | 37416 | 10 |
| **71 oo** | 92069 | 54690 | 45310 | 37379 | **29 oo** |
| 10 | 92195 | 54853 | 45147 | 37342 | 90 |
| 20 | 92320 | 55016 | 44984 | 37304 | 80 |
| 30 | 92445 | 55178 | 44822 | 37267 | 70 |
| 40 | 92571 | 55341 | 44659 | 37230 | 60 |
| 50 | 92696 | 55503 | 44497 | 37193 | 50 |
| 60 | 92822 | 55666 | 44334 | 37156 | 40 |
| 70 | 92947 | 55828 | 44172 | 37119 | 30 |
| 80 | 93073 | 55991 | 44009 | 37082 | 20 |
| 90 | 93198 | 56153 | 43847 | 37045 | 10 |
| **72 oo** | 93323 | 56316 | 43684 | 37008 | **28 oo** |
| 10 | 93449 | 56478 | 43522 | 36971 | 90 |
| 20 | 93574 | 56641 | 43359 | 36933 | 80 |
| 30 | 93699 | 56803 | 43197 | 36896 | 70 |
| 40 | 93825 | 56966 | 43034 | 36859 | 60 |
| 50 | 93950 | 57128 | 42872 | 36822 | 50 |
| 60 | 94076 | 57291 | 42709 | 36785 | 40 |
| 70 | 94201 | 57453 | 42547 | 36748 | 30 |
| 80 | 94326 | 57616 | 42384 | 36711 | 20 |
| 90 | 94452 | 57778 | 42222 | 36674 | 10 |
| **73 oo** | 94577 | 57941 | 42059 | 36636 | **27 oo** |
| 10 | 94702 | 58103 | 41897 | 36599 | 90 |
| 20 | 94828 | 58266 | 41734 | 36562 | 80 |
| 30 | 94953 | 58428 | 41572 | 36525 | 70 |
| 40 | 95078 | 58590 | 41410 | 36488 | 60 |
| 50 | 95204 | 58753 | 41247 | 36451 | 50 |
| 60 | 95329 | 58915 | 41085 | 36414 | 40 |
| 70 | 95454 | 59078 | 40922 | 36376 | 30 |
| 80 | 95580 | 59240 | 40760 | 36339 | 20 |
| 90 | 95705 | 59403 | 40597 | 36302 | 10 |
| **74 oo** | 95830 | 59565 | 40435 | 36265 | **26 oo** |
| 10 | 95956 | 59728 | 40272 | 36228 | 90 |
| 20 | 96081 | 59890 | 40110 | 36191 | 80 |
| 30 | 96206 | 60052 | 39948 | 36154 | 70 |
| 40 | 96331 | 60215 | 39785 | 36116 | 60 |
| 50 | 96457 | 60377 | 39623 | 36079 | 50 |
| 60 | 96582 | 60540 | 39460 | 36042 | 40 |
| 70 | 96707 | 60702 | 39298 | 36005 | 30 |
| 80 | 96832 | 60865 | 39135 | 35968 | 20 |
| 90 | 96958 | 61027 | 38973 | 35931 | 10 |
| **75 oo** | 97083 | 61189 | 38811 | 35894 | **25 oo** |
| | **9.67** | **9.73** | **0.26** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 68g |
| | 125 | 162 | 162 | 38 | |

| 31g | 126 | 163 | 163 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.67** | **9.73** | **0.26** | **9.94** | |
| **75 oo** | ∗97083 | 61189 | 38811 | 35894 | **25 oo** |
| 10 | ∗97208 | 61352 | 38648 | 35856 | 90 |
| 20 | ∗97333 | 61514 | 38486 | 35819 | 80 |
| 30 | ∗97459 | 61677 | 38323 | 35782 | 70 |
| 40 | ∗97584 | 61839 | 38161 | 35745 | 60 |
| 50 | ∗97709 | 62001 | 37999 | 35708 | 50 |
| 60 | ∗97834 | 62164 | 37836 | 35671 | 40 |
| 70 | ∗97960 | 62326 | 37674 | 35633 | 30 |
| 80 | ∗98085 | 62489 | 37511 | 35596 | 20 |
| 90 | ∗98210 | 62651 | 37349 | 35559 | 10 |
| **76 oo** | ∗98335 | 62813 | 37187 | 35522 | **24 oo** |
| 10 | ∗98460 | 62976 | 37024 | 35485 | 90 |
| 20 | ∗98586 | 63138 | 36862 | 35448 | 80 |
| 30 | ∗98711 | 63300 | 36700 | 35410 | 70 |
| 40 | ∗98836 | 63463 | 36537 | 35373 | 60 |
| 50 | ∗98961 | 63625 | 36375 | 35336 | 50 |
| 60 | ∗99086 | 63788 | 36212 | 35299 | 40 |
| 70 | ∗99212 | 63950 | 36050 | 35262 | 30 |
| 80 | ∗99337 | 64112 | 35888 | 35225 | 20 |
| 90 | ∗99462 | 64275 | 35725 | 35187 | 10 |
| **77 oo** | ∗99587 | 64437 | 35563 | 35150 | **23 oo** |
| 10 | ∗99712 | 64599 | 35401 | 35113 | 90 |
| 20 | ∗99837 | 64762 | 35238 | 35076 | 80 |
| 30 | ∗99963 | 64924 | 35076 | 35039 | 70 |
| 40 | 00088 | 65086 | 34914 | 35001 | 60 |
| 50 | 00213 | 65249 | 34751 | 34964 | 50 |
| 60 | 00338 | 65411 | 34589 | 34927 | 40 |
| 70 | 00463 | 65573 | 34427 | 34890 | 30 |
| 80 | 00588 | 65736 | 34264 | 34853 | 20 |
| 90 | 00713 | 65898 | 34102 | 34815 | 10 |
| **78 oo** | 00838 | 66060 | 33940 | 34778 | **22 oo** |
| 10 | 00964 | 66222 | 33778 | 34741 | 90 |
| 20 | 01089 | 66385 | 33615 | 34704 | 80 |
| 30 | 01214 | 66547 | 33453 | 34667 | 70 |
| 40 | 01339 | 66709 | 33291 | 34629 | 60 |
| 50 | 01464 | 66872 | 33128 | 34592 | 50 |
| 60 | 01589 | 67034 | 32966 | 34555 | 40 |
| 70 | 01714 | 67196 | 32804 | 34518 | 30 |
| 80 | 01839 | 67359 | 32641 | 34481 | 20 |
| 90 | 01964 | 67521 | 32479 | 34443 | 10 |
| **79 oo** | 02089 | 67683 | 32317 | 34406 | **21 oo** |
| 10 | 02214 | 67845 | 32155 | 34369 | 90 |
| 20 | 02339 | 68008 | 31992 | 34332 | 80 |
| 30 | 02465 | 68170 | 31830 | 34295 | 70 |
| 40 | 02590 | 68332 | 31668 | 34257 | 60 |
| 50 | 02715 | 68494 | 31506 | 34220 | 50 |
| 60 | 02840 | 68657 | 31343 | 34183 | 40 |
| 70 | 02965 | 68819 | 31181 | 34146 | 30 |
| 80 | 03090 | 68981 | 31019 | 34109 | 20 |
| 90 | 03215 | 69143 | 30857 | 34071 | 10 |
| **80 oo** | 03340 | 69306 | 30694 | 34034 | **20 oo** |
| | **9.68** | **9.73** | **0.26** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | 68g |
| | 125 | 162 | 162 | 38 | |

| | 163 | 162 | 126 | 125 | 38 | 37 | |
|---|---|---|---|---|---|---|---|
| 1 | 16,3 | 16,2 | 12,6 | 12,5 | 3,8 | 3,7 | 1 |
| 2 | 32,6 | 32,4 | 25,2 | 25,0 | 7,6 | 7,4 | 2 |
| 3 | 48,9 | 48,6 | 37,8 | 37,5 | 11,4 | 11,1 | 3 |
| 4 | 65,2 | 64,8 | 50,4 | 50,0 | 15,2 | 14,8 | 4 |
| 5 | 81,5 | 81,0 | 63,0 | 62,5 | 19,0 | 18,5 | 5 |
| 6 | 97,8 | 97,2 | 75,6 | 75,0 | 22,8 | 22,2 | 6 |
| 7 | 114,1 | 113,4 | 88,2 | 87,5 | 26,6 | 25,9 | 7 |
| 8 | 130,4 | 129,6 | 100,8 | 100,0 | 30,4 | 29,6 | 8 |
| 9 | 146,7 | 145,8 | 113,4 | 112,5 | 34,2 | 33,3 | 9 |

| 31g | 125 | 163 | 163 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.73** | **0.26** | **9.94** | |
| **80 oo** | 03340 | 69306 | 30694 | 34034 | **20 oo** |
| 10 | 03465 | 69468 | 30532 | 33997 | 90 |
| 20 | 03590 | 69630 | 30370 | 33960 | 80 |
| 30 | 03715 | 69792 | 30208 | 33922 | 70 |
| 40 | 03840 | 69955 | 30045 | 33885 | 60 |
| 50 | 03965 | 70117 | 29883 | 33848 | 50 |
| 60 | 04090 | 70279 | 29721 | 33811 | 40 |
| 70 | 04215 | 70441 | 29559 | 33773 | 30 |
| 80 | 04340 | 70604 | 29396 | 33736 | 20 |
| 90 | 04465 | 70766 | 29234 | 33699 | 10 |
| **81 oo** | 04590 | 70928 | 29072 | 33662 | **19 oo** |
| 10 | 04715 | 71090 | 28910 | 33625 | 90 |
| 20 | 04840 | 71252 | 28748 | 33587 | 80 |
| 30 | 04965 | 71415 | 28585 | 33550 | 70 |
| 40 | 05090 | 71577 | 28423 | 33513 | 60 |
| 50 | 05214 | 71739 | 28261 | 33476 | 50 |
| 60 | 05339 | 71901 | 28099 | 33438 | 40 |
| 70 | 05464 | 72063 | 27937 | 33401 | 30 |
| 80 | 05589 | 72226 | 27774 | 33364 | 20 |
| 90 | 05714 | 72388 | 27612 | 33327 | 10 |
| **82 oo** | 05839 | 72550 | 27450 | 33289 | **18 oo** |
| 10 | 05964 | 72712 | 27288 | 33252 | 90 |
| 20 | 06089 | 72874 | 27126 | 33215 | 80 |
| 30 | 06214 | 73036 | 26964 | 33178 | 70 |
| 40 | 06339 | 73199 | 26801 | 33140 | 60 |
| 50 | 06464 | 73361 | 26639 | 33103 | 50 |
| 60 | 06589 | 73523 | 26477 | 33066 | 40 |
| 70 | 06714 | 73685 | 26315 | 33028 | 30 |
| 80 | 06838 | 73847 | 26153 | 32991 | 20 |
| 90 | 06963 | 74009 | 25991 | 32954 | 10 |
| **83 oo** | 07088 | 74172 | 25828 | 32917 | **17 oo** |
| 10 | 07213 | 74334 | 25666 | 32879 | 90 |
| 20 | 07338 | 74496 | 25504 | 32842 | 80 |
| 30 | 07463 | 74658 | 25342 | 32805 | 70 |
| 40 | 07588 | 74820 | 25180 | 32768 | 60 |
| 50 | 07713 | 74982 | 25018 | 32730 | 50 |
| 60 | 07837 | 75144 | 24856 | 32693 | 40 |
| 70 | 07962 | 75306 | 24694 | 32656 | 30 |
| 80 | 08087 | 75469 | 24531 | 32619 | 20 |
| 90 | 08212 | 75631 | 24369 | 32581 | 10 |
| **84 oo** | 08337 | 75793 | 24207 | 32544 | **16 oo** |
| 10 | 08462 | 75955 | 24045 | 32507 | 90 |
| 20 | 08586 | 76117 | 23883 | 32469 | 80 |
| 30 | 08711 | 76279 | 23721 | 32432 | 70 |
| 40 | 08836 | 76441 | 23559 | 32395 | 60 |
| 50 | 08961 | 76603 | 23397 | 32358 | 50 |
| 60 | 09086 | 76765 | 23235 | 32320 | 40 |
| 70 | 09210 | 76927 | 23073 | 32283 | 30 |
| 80 | 09335 | 77090 | 22910 | 32246 | 20 |
| 90 | 09460 | 77252 | 22748 | 32208 | 10 |
| **85 oo** | 09585 | 77414 | 22586 | 32171 | **15 oo** |
| | **9.68** | **9.73** | **0.26** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 124 | 162 | 162 | 38 | 68g |

| 31g | 125 | 163 | 163 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.73** | **0.26** | **9.94** | |
| **85 oo** | 09585 | 77414 | 22586 | 32171 | **15 oo** |
| 10 | 09710 | 77576 | 22424 | 32134 | 90 |
| 20 | 09834 | 77738 | 22262 | 32096 | 80 |
| 30 | 09959 | 77900 | 22100 | 32059 | 70 |
| 40 | 10084 | 78062 | 21938 | 32022 | 60 |
| 50 | 10209 | 78224 | 21776 | 31985 | 50 |
| 60 | 10333 | 78386 | 21614 | 31947 | 40 |
| 70 | 10458 | 78548 | 21452 | 31910 | 30 |
| 80 | 10583 | 78710 | 21290 | 31873 | 20 |
| 90 | 10708 | 78872 | 21128 | 31835 | 10 |
| **86 oo** | 10832 | 79034 | 20966 | 31798 | **14 oo** |
| 10 | 10957 | 79196 | 20804 | 31761 | 90 |
| 20 | 11082 | 79358 | 20642 | 31723 | 80 |
| 30 | 11207 | 79521 | 20479 | 31686 | 70 |
| 40 | 11331 | 79683 | 20317 | 31649 | 60 |
| 50 | 11456 | 79845 | 20155 | 31612 | 50 |
| 60 | 11581 | 80007 | 19993 | 31574 | 40 |
| 70 | 11706 | 80169 | 19831 | 31537 | 30 |
| 80 | 11830 | 80331 | 19669 | 31500 | 20 |
| 90 | 11955 | 80493 | 19507 | 31462 | 10 |
| **87 oo** | 12080 | 80655 | 19345 | 31425 | **13 oo** |
| 10 | 12204 | 80817 | 19183 | 31388 | 90 |
| 20 | 12329 | 80979 | 19021 | 31350 | 80 |
| 30 | 12454 | 81141 | 18859 | 31313 | 70 |
| 40 | 12578 | 81303 | 18697 | 31276 | 60 |
| 50 | 12703 | 81465 | 18535 | 31238 | 50 |
| 60 | 12828 | 81627 | 18373 | 31201 | 40 |
| 70 | 12952 | 81789 | 18211 | 31164 | 30 |
| 80 | 13077 | 81951 | 18049 | 31126 | 20 |
| 90 | 13202 | 82113 | 17887 | 31089 | 10 |
| **88 oo** | 13326 | 82275 | 17725 | 31052 | **12 oo** |
| 10 | 13451 | 82437 | 17563 | 31014 | 90 |
| 20 | 13576 | 82599 | 17401 | 30977 | 80 |
| 30 | 13700 | 82761 | 17239 | 30940 | 70 |
| 40 | 13825 | 82923 | 17077 | 30902 | 60 |
| 50 | 13949 | 83085 | 16915 | 30865 | 50 |
| 60 | 14074 | 83247 | 16753 | 30828 | 40 |
| 70 | 14199 | 83408 | 16592 | 30790 | 30 |
| 80 | 14323 | 83570 | 16430 | 30753 | 20 |
| 90 | 14448 | 83732 | 16268 | 30716 | 10 |
| **89 oo** | 14573 | 83894 | 16106 | 30678 | **11 oo** |
| 10 | 14697 | 84056 | 15944 | 30641 | 90 |
| 20 | 14822 | 84218 | 15782 | 30603 | 80 |
| 30 | 14946 | 84380 | 15620 | 30566 | 70 |
| 40 | 15071 | 84542 | 15458 | 30529 | 60 |
| 50 | 15195 | 84704 | 15296 | 30491 | 50 |
| 60 | 15320 | 84866 | 15134 | 30454 | 40 |
| 70 | 15445 | 85028 | 14972 | 30417 | 30 |
| 80 | 15569 | 85190 | 14810 | 30379 | 20 |
| 90 | 15694 | 85352 | 14648 | 30342 | 10 |
| **90 oo** | 15818 | 85514 | 14486 | 30305 | **10 oo** |
| | **9.68** | **9.73** | **0.26** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 124 | 161 | 161 | 38 | 68g |

| | 163 | 162 | 161 | 125 | 124 | 38 | 37 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,3 | 16,2 | 16,1 | 12,5 | 12,4 | 3,8 | 3,7 | 1 |
| 2 | 32,6 | 32,4 | 32,2 | 25,0 | 24,8 | 7,6 | 7,4 | 2 |
| 3 | 48,9 | 48,6 | 48,3 | 37,5 | 37,2 | 11,4 | 11,1 | 3 |
| 4 | 65,2 | 64,8 | 64,4 | 50,0 | 49,6 | 15,2 | 14,8 | 4 |
| 5 | 81,5 | 81,0 | 80,5 | 62,5 | 62,0 | 19,0 | 18,5 | 5 |
| 6 | 97,8 | 97,2 | 96,6 | 75,0 | 74,4 | 22,8 | 22,2 | 6 |
| 7 | 114,1 | 113,4 | 112,7 | 87,5 | 86,8 | 26,6 | 25,9 | 7 |
| 8 | 130,4 | 129,6 | 128,8 | 100,0 | 99,2 | 30,4 | 29,6 | 8 |
| 9 | 146,7 | 145,8 | 144,9 | 112,5 | 111,6 | 34,2 | 33,3 | 9 |

| **31g** | 125 | 162 | 162 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.73** | **0.26** | **9.94** | |
| **90 oo** | 15818 | 85514 | 14486 | 30305 | **10 oo** |
| 10 | 15943 | 85676 | 14324 | 30267 | 90 |
| 20 | 16067 | 85837 | 14163 | 30230 | 80 |
| 30 | 16192 | 85999 | 14001 | 30193 | 70 |
| 40 | 16316 | 86161 | 13839 | 30155 | 60 |
| 50 | 16441 | 86323 | 13677 | 30118 | 50 |
| 60 | 16566 | 86485 | 13515 | 30080 | 40 |
| 70 | 16690 | 86647 | 13353 | 30043 | 30 |
| 80 | 16815 | 86809 | 13191 | 30006 | 20 |
| 90 | 16939 | 86971 | 13029 | 29968 | 10 |
| **91 oo** | 17064 | 87133 | 12867 | 29931 | **09 oo** |
| 10 | 17188 | 87295 | 12705 | 29894 | 90 |
| 20 | 17313 | 87456 | 12544 | 29856 | 80 |
| 30 | 17437 | 87618 | 12382 | 29819 | 70 |
| 40 | 17562 | 87780 | 12220 | 29781 | 60 |
| 50 | 17686 | 87942 | 12058 | 29744 | 50 |
| 60 | 17811 | 88104 | 11896 | 29707 | 40 |
| 70 | 17935 | 88266 | 11734 | 29669 | 30 |
| 80 | 18059 | 88428 | 11572 | 29632 | 20 |
| 90 | 18184 | 88589 | 11411 | 29594 | 10 |
| **92 oo** | 18308 | 88751 | 11249 | 29557 | **08 oo** |
| 10 | 18433 | 88913 | 11087 | 29520 | 90 |
| 20 | 18557 | 89075 | 10925 | 29482 | 80 |
| 30 | 18682 | 89237 | 10763 | 29445 | 70 |
| 40 | 18806 | 89399 | 10601 | 29407 | 60 |
| 50 | 18931 | 89561 | 10439 | 29370 | 50 |
| 60 | 19055 | 89722 | 10278 | 29333 | 40 |
| 70 | 19179 | 89884 | 10116 | 29295 | 30 |
| 80 | 19304 | 90046 | 09954 | 29258 | 20 |
| 90 | 19428 | 90208 | 09792 | 29220 | 10 |
| **93 oo** | 19553 | 90370 | 09630 | 29183 | **07 oo** |
| 10 | 19677 | 90532 | 09468 | 29146 | 90 |
| 20 | 19802 | 90693 | 09307 | 29108 | 80 |
| 30 | 19926 | 90855 | 09145 | 29071 | 70 |
| 40 | 20050 | 91017 | 08983 | 29033 | 60 |
| 50 | 20175 | 91179 | 08821 | 28996 | 50 |
| 60 | 20299 | 91341 | 08659 | 28959 | 40 |
| 70 | 20424 | 91502 | 08498 | 28921 | 30 |
| 80 | 20548 | 91664 | 08336 | 28884 | 20 |
| 90 | 20672 | 91826 | 08174 | 28846 | 10 |
| **94 oo** | 20797 | 91988 | 08012 | 28809 | **06 oo** |
| 10 | 20921 | 92150 | 07850 | 28772 | 90 |
| 20 | 21045 | 92311 | 07689 | 28734 | 80 |
| 30 | 21170 | 92473 | 07527 | 28697 | 70 |
| 40 | 21294 | 92635 | 07365 | 28659 | 60 |
| 50 | 21418 | 92797 | 07203 | 28622 | 50 |
| 60 | 21543 | 92958 | 07042 | 28584 | 40 |
| 70 | 21667 | 93120 | 06880 | 28547 | 30 |
| 80 | 21791 | 93282 | 06718 | 28510 | 20 |
| 90 | 21916 | 93444 | 06556 | 28472 | 10 |
| **95 oo** | 22040 | 93605 | 06395 | 28435 | **05 oo** |
| | **9.68** | **9.73** | **0.26** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **68g** |
| | 124 | 161 | 161 | 38 | |

| **31g** | 125 | 162 | 162 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.73** | **0.26** | **9.94** | |
| **95 oo** | 22040 | 93605 | 06395 | 28435 | **05 oo** |
| 10 | 22164 | 93767 | 06233 | 28397 | 90 |
| 20 | 22289 | 93929 | 06071 | 28360 | 80 |
| 30 | 22413 | 94091 | 05909 | 28322 | 70 |
| 40 | 22537 | 94252 | 05748 | 28285 | 60 |
| 50 | 22662 | 94414 | 05586 | 28247 | 50 |
| 60 | 22786 | 94576 | 05424 | 28210 | 40 |
| 70 | 22910 | 94738 | 05262 | 28173 | 30 |
| 80 | 23035 | 94899 | 05101 | 28135 | 20 |
| 90 | 23159 | 95061 | 04939 | 28098 | 10 |
| **96 oo** | 23283 | 95223 | 04777 | 28060 | **04 oo** |
| 10 | 23407 | 95385 | 04615 | 28023 | 90 |
| 20 | 23532 | 95546 | 04454 | 27985 | 80 |
| 30 | 23656 | 95708 | 04292 | 27948 | 70 |
| 40 | 23780 | 95870 | 04130 | 27910 | 60 |
| 50 | 23904 | 96031 | 03969 | 27873 | 50 |
| 60 | 24029 | 96193 | 03807 | 27836 | 40 |
| 70 | 24153 | 96355 | 03645 | 27798 | 30 |
| 80 | 24277 | 96516 | 03484 | 27761 | 20 |
| 90 | 24401 | 96678 | 03322 | 27723 | 10 |
| **97 oo** | 24526 | 96840 | 03160 | 27686 | **03 oo** |
| 10 | 24650 | 97002 | 02998 | 27648 | 90 |
| 20 | 24774 | 97163 | 02837 | 27611 | 80 |
| 30 | 24898 | 97325 | 02675 | 27573 | 70 |
| 40 | 25022 | 97487 | 02513 | 27536 | 60 |
| 50 | 25147 | 97648 | 02352 | 27498 | 50 |
| 60 | 25271 | 97810 | 02190 | 27461 | 40 |
| 70 | 25395 | 97972 | 02028 | 27423 | 30 |
| 80 | 25519 | 98133 | 01867 | 27386 | 20 |
| 90 | 25643 | 98295 | 01705 | 27348 | 10 |
| **98 oo** | 25768 | 98457 | 01543 | 27311 | **02 oo** |
| 10 | 25892 | 98618 | 01382 | 27274 | 90 |
| 20 | 26016 | 98780 | 01220 | 27236 | 80 |
| 30 | 26140 | 98942 | 01058 | 27199 | 70 |
| 40 | 26264 | 99103 | 00897 | 27161 | 60 |
| 50 | 26388 | 99265 | 00735 | 27124 | 50 |
| 60 | 26513 | 99427 | 00573 | 27086 | 40 |
| 70 | 26637 | 99588 | 00412 | 27049 | 30 |
| 80 | 26761 | 99750 | 00250 | 27011 | 20 |
| 90 | 26885 | 99911 | 00089 | 26974 | 10 |
| **99 oo** | 27009 | ∗00073 | ∗99927 | 26936 | **01 oo** |
| 10 | 27133 | ∗00235 | ∗99765 | 26899 | 90 |
| 20 | 27257 | ∗00396 | ∗99604 | 26861 | 80 |
| 30 | 27382 | ∗00558 | ∗99442 | 26824 | 70 |
| 40 | 27506 | ∗00720 | ∗99280 | 26786 | 60 |
| 50 | 27630 | ∗00881 | ∗99119 | 26749 | 50 |
| 60 | 27754 | ∗01043 | ∗98957 | 26711 | 40 |
| 70 | 27878 | ∗01204 | ∗98796 | 26674 | 30 |
| 80 | 28002 | ∗01366 | ∗98634 | 26636 | 20 |
| 90 | 28126 | ∗01528 | ∗98472 | 26599 | 10 |
| **100 oo** | 28250 | ∗01689 | ∗98311 | 26561 | **00 oo** |
| | **9.68** | **∗9.74** | **∗0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **68g** |
| | 124 | 161 | 161 | 38 | |

| | 162 | 161 | 125 | 124 | 38 | 37 | |
|---|---|---|---|---|---|---|---|
| 1 | 16,2 | 16,1 | 12,5 | 12,4 | 3,8 | 3,7 | 1 |
| 2 | 32,4 | 32,2 | 25,0 | 24,8 | 7,6 | 7,4 | 2 |
| 3 | 48,6 | 48,3 | 37,5 | 37,2 | 11,4 | 11,1 | 3 |
| 4 | 64,8 | 64,4 | 50,0 | 49,6 | 15,2 | 14,8 | 4 |
| 5 | 81,0 | 80,5 | 62,5 | 62,0 | 19,0 | 18,5 | 5 |
| 6 | 97,2 | 96,6 | 75,0 | 74,4 | 22,8 | 22,2 | 6 |
| 7 | 113,4 | 112,7 | 87,5 | 86,8 | 26,6 | 25,9 | 7 |
| 8 | 129,6 | 128,8 | 100,0 | 99,2 | 30,4 | 29,6 | 8 |
| 9 | 145,8 | 144,9 | 112,5 | 111,6 | 34,2 | 33,3 | 9 |

| 32g | 125 | 162 | 162 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.74** | **0.25** | **9.94** | |
| **00 oo** | 28250 | 01689 | 98311 | 26561 | **100 oo** |
| 10 | 28374 | 01851 | 98149 | 26524 | 90 |
| 20 | 28499 | 02012 | 97988 | 26486 | 80 |
| 30 | 28623 | 02174 | 97826 | 26449 | 70 |
| 40 | 28747 | 02335 | 97665 | 26411 | 60 |
| 50 | 28871 | 02497 | 97503 | 26374 | 50 |
| 60 | 28995 | 02659 | 97341 | 26336 | 40 |
| 70 | 29119 | 02820 | 97180 | 26299 | 30 |
| 80 | 29243 | 02982 | 97018 | 26261 | 20 |
| 90 | 29367 | 03143 | 96857 | 26224 | 10 |
| **01 oo** | 29491 | 03305 | 96695 | 26186 | **99 oo** |
| 10 | 29615 | 03466 | 96534 | 26149 | 90 |
| 20 | 29739 | 03628 | 96372 | 26111 | 80 |
| 30 | 29863 | 03790 | 96210 | 26074 | 70 |
| 40 | 29987 | 03951 | 96049 | 26036 | 60 |
| 50 | 30111 | 04113 | 95887 | 25999 | 50 |
| 60 | 30235 | 04274 | 95726 | 25961 | 40 |
| 70 | 30359 | 04436 | 95564 | 25923 | 30 |
| 80 | 30483 | 04597 | 95403 | 25886 | 20 |
| 90 | 30607 | 04759 | 95241 | 25848 | 10 |
| **02 oo** | 30731 | 04920 | 95080 | 25811 | **98 oo** |
| 10 | 30855 | 05082 | 94918 | 25773 | 90 |
| 20 | 30979 | 05243 | 94757 | 25736 | 80 |
| 30 | 31103 | 05405 | 94595 | 25698 | 70 |
| 40 | 31227 | 05566 | 94434 | 25661 | 60 |
| 50 | 31351 | 05728 | 94272 | 25623 | 50 |
| 60 | 31475 | 05889 | 94111 | 25586 | 40 |
| 70 | 31599 | 06051 | 93949 | 25548 | 30 |
| 80 | 31723 | 06212 | 93788 | 25511 | 20 |
| 90 | 31847 | 06374 | 93626 | 25473 | 10 |
| **03 oo** | 31971 | 06535 | 93465 | 25435 | **97 oo** |
| 10 | 32095 | 06697 | 93303 | 25398 | 90 |
| 20 | 32219 | 06858 | 93142 | 25360 | 80 |
| 30 | 32343 | 07020 | 92980 | 25323 | 70 |
| 40 | 32467 | 07181 | 92819 | 25285 | 60 |
| 50 | 32591 | 07343 | 92657 | 25248 | 50 |
| 60 | 32715 | 07504 | 92496 | 25210 | 40 |
| 70 | 32839 | 07666 | 92334 | 25173 | 30 |
| 80 | 32962 | 07827 | 92173 | 25135 | 20 |
| 90 | 33086 | 07989 | 92011 | 25098 | 10 |
| **04 oo** | 33210 | 08150 | 91850 | 25060 | **96 oo** |
| 10 | 33334 | 08312 | 91688 | 25022 | 90 |
| 20 | 33458 | 08473 | 91527 | 24985 | 80 |
| 30 | 33582 | 08635 | 91365 | 24947 | 70 |
| 40 | 33706 | 08796 | 91204 | 24910 | 60 |
| 50 | 33830 | 08958 | 91042 | 24872 | 50 |
| 60 | 33954 | 09119 | 90881 | 24835 | 40 |
| 70 | 34077 | 09280 | 90720 | 24797 | 30 |
| 80 | 34201 | 09442 | 90558 | 24759 | 20 |
| 90 | 34325 | 09603 | 90397 | 24722 | 10 |
| **05 oo** | 34449 | 09765 | 90235 | 24684 | **95 oo** |
| | **9.68** | **9.74** | **0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 123 | 161 | 161 | 38 | **67g** |

| 32g | 124 | 162 | 162 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.74** | **0.25** | **9.94** | |
| **05 oo** | 34449 | 09765 | 90235 | 24684 | **95 oo** |
| 10 | 34573 | 09926 | 90074 | 24647 | 90 |
| 20 | 34697 | 10088 | 89912 | 24609 | 80 |
| 30 | 34821 | 10249 | 89751 | 24572 | 70 |
| 40 | 34944 | 10410 | 89590 | 24534 | 60 |
| 50 | 35068 | 10572 | 89428 | 24496 | 50 |
| 60 | 35192 | 10733 | 89267 | 24459 | 40 |
| 70 | 35316 | 10895 | 89105 | 24421 | 30 |
| 80 | 35440 | 11056 | 88944 | 24384 | 20 |
| 90 | 35564 | 11218 | 88782 | 24346 | 10 |
| **06 oo** | 35687 | 11379 | 88621 | 24308 | **94 oo** |
| 10 | 35811 | 11540 | 88460 | 24271 | 90 |
| 20 | 35935 | 11702 | 88298 | 24233 | 80 |
| 30 | 36059 | 11863 | 88137 | 24196 | 70 |
| 40 | 36183 | 12025 | 87975 | 24158 | 60 |
| 50 | 36306 | 12186 | 87814 | 24121 | 50 |
| 60 | 36430 | 12347 | 87653 | 24083 | 40 |
| 70 | 36554 | 12509 | 87491 | 24045 | 30 |
| 80 | 36678 | 12670 | 87330 | 24008 | 20 |
| 90 | 36802 | 12831 | 87169 | 23970 | 10 |
| **07 oo** | 36925 | 12993 | 87007 | 23933 | **93 oo** |
| 10 | 37049 | 13154 | 86846 | 23895 | 90 |
| 20 | 37173 | 13316 | 86684 | 23857 | 80 |
| 30 | 37297 | 13477 | 86523 | 23820 | 70 |
| 40 | 37420 | 13638 | 86362 | 23782 | 60 |
| 50 | 37544 | 13800 | 86200 | 23745 | 50 |
| 60 | 37668 | 13961 | 86039 | 23707 | 40 |
| 70 | 37792 | 14122 | 85878 | 23669 | 30 |
| 80 | 37915 | 14284 | 85716 | 23632 | 20 |
| 90 | 38039 | 14445 | 85555 | 23594 | 10 |
| **08 oo** | 38163 | 14606 | 85394 | 23556 | **92 oo** |
| 10 | 38286 | 14768 | 85232 | 23519 | 90 |
| 20 | 38410 | 14929 | 85071 | 23481 | 80 |
| 30 | 38534 | 15090 | 84910 | 23444 | 70 |
| 40 | 38658 | 15252 | 84748 | 23406 | 60 |
| 50 | 38781 | 15413 | 84587 | 23368 | 50 |
| 60 | 38905 | 15574 | 84426 | 23331 | 40 |
| 70 | 39029 | 15736 | 84264 | 23293 | 30 |
| 80 | 39152 | 15897 | 84103 | 23255 | 20 |
| 90 | 39276 | 16058 | 83942 | 23218 | 10 |
| **09 oo** | 39400 | 16220 | 83780 | 23180 | **91 oo** |
| 10 | 39523 | 16381 | 83619 | 23143 | 90 |
| 20 | 39647 | 16542 | 83458 | 23105 | 80 |
| 30 | 39771 | 16703 | 83297 | 23067 | 70 |
| 40 | 39894 | 16865 | 83135 | 23030 | 60 |
| 50 | 40018 | 17026 | 82974 | 22992 | 50 |
| 60 | 40142 | 17187 | 82813 | 22954 | 40 |
| 70 | 40265 | 17349 | 82651 | 22917 | 30 |
| 80 | 40389 | 17510 | 82490 | 22879 | 20 |
| 90 | 40513 | 17671 | 82329 | 22842 | 10 |
| **10 oo** | 40636 | 17832 | 82168 | 22804 | **90 oo** |
| | **9.68** | **9.74** | **0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 123 | 161 | 161 | 38 | **67g** |

| | 162 | 161 | 125 | 124 | 123 | 38 | 37 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,2 | 16,1 | 12,5 | 12,4 | 12,3 | 3,8 | 3,7 | 1 |
| 2 | 32,4 | 32,2 | 25,0 | 24,8 | 24,6 | 7,6 | 7,4 | 2 |
| 3 | 48,6 | 48,3 | 37,5 | 37,2 | 36,9 | 11,4 | 11,1 | 3 |
| 4 | 64,8 | 64,4 | 50,0 | 49,6 | 49,2 | 15,2 | 14,8 | 4 |
| 5 | 81,0 | 80,5 | 62,5 | 62,0 | 61,5 | 19,0 | 18,5 | 5 |
| 6 | 97,2 | 96,6 | 75,0 | 74,4 | 73,8 | 22,8 | 22,2 | 6 |
| 7 | 113,4 | 112,7 | 87,5 | 86,8 | 86,1 | 26,6 | 25,9 | 7 |
| 8 | 129,6 | 128,8 | 100,0 | 99,2 | 98,4 | 30,4 | 29,6 | 8 |
| 9 | 145,8 | 144,9 | 112,5 | 111,6 | 110,7 | 34,2 | 33,3 | 9 |

| 32g | 124 | 162 | 162 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.74** | **0.25** | **9.94** | |
| **10 oo** | 40636 | 17832 | 82168 | 22804 | **90 oo** |
| 10 | 40760 | 17994 | 82006 | 22766 | 90 |
| 20 | 40884 | 18155 | 81845 | 22729 | 80 |
| 30 | 41007 | 18316 | 81684 | 22691 | 70 |
| 40 | 41131 | 18477 | 81523 | 22653 | 60 |
| 50 | 41254 | 18639 | 81361 | 22616 | 50 |
| 60 | 41378 | 18800 | 81200 | 22578 | 40 |
| 70 | 41502 | 18961 | 81039 | 22540 | 30 |
| 80 | 41625 | 19122 | 80878 | 22503 | 20 |
| 90 | 41749 | 19284 | 80716 | 22465 | 10 |
| **11 oo** | 41872 | 19445 | 80555 | 22427 | **89 oo** |
| 10 | 41996 | 19606 | 80394 | 22390 | 90 |
| 20 | 42119 | 19767 | 80233 | 22352 | 80 |
| 30 | 42243 | 19929 | 80071 | 22314 | 70 |
| 40 | 42367 | 20090 | 79910 | 22277 | 60 |
| 50 | 42490 | 20251 | 79749 | 22239 | 50 |
| 60 | 42614 | 20412 | 79588 | 22201 | 40 |
| 70 | 42737 | 20574 | 79426 | 22164 | 30 |
| 80 | 42861 | 20735 | 79265 | 22126 | 20 |
| 90 | 42984 | 20896 | 79104 | 22088 | 10 |
| **12 oo** | 43108 | 21057 | 78943 | 22051 | **88 oo** |
| 10 | 43231 | 21218 | 78782 | 22013 | 90 |
| 20 | 43355 | 21380 | 78620 | 21975 | 80 |
| 30 | 43479 | 21541 | 78459 | 21938 | 70 |
| 40 | 43602 | 21702 | 78298 | 21900 | 60 |
| 50 | 43726 | 21863 | 78137 | 21862 | 50 |
| 60 | 43849 | 22024 | 77976 | 21825 | 40 |
| 70 | 43973 | 22186 | 77814 | 21787 | 30 |
| 80 | 44096 | 22347 | 77653 | 21749 | 20 |
| 90 | 44220 | 22508 | 77492 | 21712 | 10 |
| **13 oo** | 44343 | 22669 | 77331 | 21674 | **87 oo** |
| 10 | 44467 | 22830 | 77170 | 21636 | 90 |
| 20 | 44590 | 22991 | 77009 | 21599 | 80 |
| 30 | 44714 | 23153 | 76847 | 21561 | 70 |
| 40 | 44837 | 23314 | 76686 | 21523 | 60 |
| 50 | 44960 | 23475 | 76525 | 21486 | 50 |
| 60 | 45084 | 23636 | 76364 | 21448 | 40 |
| 70 | 45207 | 23797 | 76203 | 21410 | 30 |
| 80 | 45331 | 23958 | 76042 | 21372 | 20 |
| 90 | 45454 | 24120 | 75880 | 21335 | 10 |
| **14 oo** | 45578 | 24281 | 75719 | 21297 | **86 oo** |
| 10 | 45701 | 24442 | 75558 | 21259 | 90 |
| 20 | 45825 | 24603 | 75397 | 21222 | 80 |
| 30 | 45948 | 24764 | 75236 | 21184 | 70 |
| 40 | 46072 | 24925 | 75075 | 21146 | 60 |
| 50 | 46195 | 25086 | 74914 | 21109 | 50 |
| 60 | 46318 | 25248 | 74752 | 21071 | 40 |
| 70 | 46442 | 25409 | 74591 | 21033 | 30 |
| 80 | 46565 | 25570 | 74430 | 20995 | 20 |
| 90 | 46689 | 25731 | 74269 | 20958 | 10 |
| **15 oo** | 46812 | 25892 | 74108 | 20920 | **85 oo** |
| | **9.68** | **9.74** | **0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 123 | 161 | 161 | 38 | **67g** |

| 32g | 124 | 162 | 162 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.74** | **0.25** | **9.94** | |
| **15 oo** | 46812 | 25892 | 74108 | 20920 | **85 oo** |
| 10 | 46935 | 26053 | 73947 | 20882 | 90 |
| 20 | 47059 | 26214 | 73786 | 20845 | 80 |
| 30 | 47182 | 26375 | 73625 | 20807 | 70 |
| 40 | 47306 | 26536 | 73464 | 20769 | 60 |
| 50 | 47429 | 26698 | 73302 | 20731 | 50 |
| 60 | 47552 | 26859 | 73141 | 20694 | 40 |
| 70 | 47676 | 27020 | 72980 | 20656 | 30 |
| 80 | 47799 | 27181 | 72819 | 20618 | 20 |
| 90 | 47922 | 27342 | 72658 | 20580 | 10 |
| **16 oo** | 48046 | 27503 | 72497 | 20543 | **84 oo** |
| 10 | 48169 | 27664 | 72336 | 20505 | 90 |
| 20 | 48292 | 27825 | 72175 | 20467 | 80 |
| 30 | 48416 | 27986 | 72014 | 20430 | 70 |
| 40 | 48539 | 28147 | 71853 | 20392 | 60 |
| 50 | 48662 | 28308 | 71692 | 20354 | 50 |
| 60 | 48786 | 28469 | 71531 | 20316 | 40 |
| 70 | 48909 | 28630 | 71370 | 20279 | 30 |
| 80 | 49032 | 28792 | 71208 | 20241 | 20 |
| 90 | 49156 | 28953 | 71047 | 20203 | 10 |
| **17 oo** | 49279 | 29114 | 70886 | 20165 | **83 oo** |
| 10 | 49402 | 29275 | 70725 | 20128 | 90 |
| 20 | 49526 | 29436 | 70564 | 20090 | 80 |
| 30 | 49649 | 29597 | 70403 | 20052 | 70 |
| 40 | 49772 | 29758 | 70242 | 20014 | 60 |
| 50 | 49896 | 29919 | 70081 | 19977 | 50 |
| 60 | 50019 | 30080 | 69920 | 19939 | 40 |
| 70 | 50142 | 30241 | 69759 | 19901 | 30 |
| 80 | 50265 | 30402 | 69598 | 19863 | 20 |
| 90 | 50389 | 30563 | 69437 | 19826 | 10 |
| **18 oo** | 50512 | 30724 | 69276 | 19788 | **82 oo** |
| 10 | 50635 | 30885 | 69115 | 19750 | 90 |
| 20 | 50758 | 31046 | 68954 | 19712 | 80 |
| 30 | 50882 | 31207 | 68793 | 19675 | 70 |
| 40 | 51005 | 31368 | 68632 | 19637 | 60 |
| 50 | 51128 | 31529 | 68471 | 19599 | 50 |
| 60 | 51251 | 31690 | 68310 | 19561 | 40 |
| 70 | 51375 | 31851 | 68149 | 19524 | 30 |
| 80 | 51498 | 32012 | 67988 | 19486 | 20 |
| 90 | 51621 | 32173 | 67827 | 19448 | 10 |
| **19 oo** | 51744 | 32334 | 67666 | 19410 | **81 oo** |
| 10 | 51868 | 32495 | 67505 | 19373 | 90 |
| 20 | 51991 | 32656 | 67344 | 19335 | 80 |
| 30 | 52114 | 32817 | 67183 | 19297 | 70 |
| 40 | 52237 | 32978 | 67022 | 19259 | 60 |
| 50 | 52360 | 33139 | 66861 | 19221 | 50 |
| 60 | 52484 | 33300 | 66700 | 19184 | 40 |
| 70 | 52607 | 33461 | 66539 | 19146 | 30 |
| 80 | 52730 | 33622 | 66378 | 19108 | 20 |
| 90 | 52853 | 33783 | 66217 | 19070 | 10 |
| **20 oo** | 52976 | 33944 | 66056 | 19033 | **80 oo** |
| | **9.68** | **9.74** | **0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 123 | 161 | 161 | 38 | **67g** |

| | 162 | 161 | 124 | 123 | 38 | 37 | |
|---|---|---|---|---|---|---|---|
| 1 | 16,2 | 16,1 | 12,4 | 12,3 | 3,8 | 3,7 | 1 |
| 2 | 32,4 | 32,2 | 24,8 | 24,6 | 7,6 | 7,4 | 2 |
| 3 | 48,6 | 48,3 | 37,2 | 36,9 | 11,4 | 11,1 | 3 |
| 4 | 64,8 | 64,4 | 49,6 | 49,2 | 15,2 | 14,8 | 4 |
| 5 | 81,0 | 80,5 | 62,0 | 61,5 | 19,0 | 18,5 | 5 |
| 6 | 97,2 | 96,6 | 74,4 | 73,8 | 22,8 | 22,2 | 6 |
| 7 | 113,4 | 112,7 | 86,8 | 86,1 | 26,6 | 25,9 | 7 |
| 8 | 129,6 | 128,8 | 99,2 | 98,4 | 30,4 | 29,6 | 8 |
| 9 | 145,8 | 144,9 | 111,6 | 110,7 | 34,2 | 33,3 | 9 |

| 32g | 124 | 161 | 161 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.74** | **0.25** | **9.94** | |
| **20 oo** | 52976 | 33944 | 66056 | 19033 | **80 oo** |
| 10 | 53099 | 34105 | 65895 | 18995 | 90 |
| 20 | 53223 | 34266 | 65734 | 18957 | 80 |
| 30 | 53346 | 34427 | 65573 | 18919 | 70 |
| 40 | 53469 | 34588 | 65412 | 18881 | 60 |
| 50 | 53592 | 34748 | 65252 | 18844 | 50 |
| 60 | 53715 | 34909 | 65091 | 18806 | 40 |
| 70 | 53838 | 35070 | 64930 | 18768 | 30 |
| 80 | 53962 | 35231 | 64769 | 18730 | 20 |
| 90 | 54085 | 35392 | 64608 | 18692 | 10 |
| **21 oo** | 54208 | 35553 | 64447 | 18655 | **79 oo** |
| 10 | 54331 | 35714 | 64286 | 18617 | 90 |
| 20 | 54454 | 35875 | 64125 | 18579 | 80 |
| 30 | 54577 | 36036 | 63964 | 18541 | 70 |
| 40 | 54700 | 36197 | 63803 | 18503 | 60 |
| 50 | 54823 | 36358 | 63642 | 18466 | 50 |
| 60 | 54946 | 36519 | 63481 | 18428 | 40 |
| 70 | 55070 | 36679 | 63321 | 18390 | 30 |
| 80 | 55193 | 36840 | 63160 | 18352 | 20 |
| 90 | 55316 | 37001 | 62999 | 18314 | 10 |
| **22 oo** | 55439 | 37162 | 62838 | 18277 | **78 oo** |
| 10 | 55562 | 37323 | 62677 | 18239 | 90 |
| 20 | 55685 | 37484 | 62516 | 18201 | 80 |
| 30 | 55808 | 37645 | 62355 | 18163 | 70 |
| 40 | 55931 | 37806 | 62194 | 18125 | 60 |
| 50 | 56054 | 37967 | 62033 | 18088 | 50 |
| 60 | 56177 | 38127 | 61873 | 18050 | 40 |
| 70 | 56300 | 38288 | 61712 | 18012 | 30 |
| 80 | 56423 | 38449 | 61551 | 17974 | 20 |
| 90 | 56546 | 38610 | 61390 | 17936 | 10 |
| **23 oo** | 56669 | 38771 | 61229 | 17898 | **77 oo** |
| 10 | 56792 | 38932 | 61068 | 17861 | 90 |
| 20 | 56915 | 39093 | 60907 | 17823 | 80 |
| 30 | 57038 | 39253 | 60747 | 17785 | 70 |
| 40 | 57161 | 39414 | 60586 | 17747 | 60 |
| 50 | 57284 | 39575 | 60425 | 17709 | 50 |
| 60 | 57407 | 39736 | 60264 | 17671 | 40 |
| 70 | 57530 | 39897 | 60103 | 17634 | 30 |
| 80 | 57653 | 40058 | 59942 | 17596 | 20 |
| 90 | 57776 | 40219 | 59781 | 17558 | 10 |
| **24 oo** | 57899 | 40379 | 59621 | 17520 | **76 oo** |
| 10 | 58022 | 40540 | 59460 | 17482 | 90 |
| 20 | 58145 | 40701 | 59299 | 17444 | 80 |
| 30 | 58268 | 40862 | 59138 | 17407 | 70 |
| 40 | 58391 | 41023 | 58977 | 17369 | 60 |
| 50 | 58514 | 41183 | 58817 | 17331 | 50 |
| 60 | 58637 | 41344 | 58656 | 17293 | 40 |
| 70 | 58760 | 41505 | 58495 | 17255 | 30 |
| 80 | 58883 | 41666 | 58334 | 17217 | 20 |
| 90 | 59006 | 41827 | 58173 | 17180 | 10 |
| **25 oo** | 59129 | 41987 | 58013 | 17142 | **75 oo** |
| | **9.68** | **9.74** | **0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 123 | 160 | 160 | 38 | **67g** |

| 32g | 123 | 161 | 161 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.74** | **0.25** | **9.94** | |
| **25 oo** | 59129 | 41987 | 58013 | 17142 | **75 oo** |
| 10 | 59252 | 42148 | 57852 | 17104 | 90 |
| 20 | 59375 | 42309 | 57691 | 17066 | 80 |
| 30 | 59498 | 42470 | 57530 | 17028 | 70 |
| 40 | 59621 | 42631 | 57369 | 16990 | 60 |
| 50 | 59744 | 42791 | 57209 | 16952 | 50 |
| 60 | 59867 | 42952 | 57048 | 16915 | 40 |
| 70 | 59990 | 43113 | 56887 | 16877 | 30 |
| 80 | 60113 | 43274 | 56726 | 16839 | 20 |
| 90 | 60235 | 43435 | 56565 | 16801 | 10 |
| **26 oo** | 60358 | 43595 | 56405 | 16763 | **74 oo** |
| 10 | 60481 | 43756 | 56244 | 16725 | 90 |
| 20 | 60604 | 43917 | 56083 | 16687 | 80 |
| 30 | 60727 | 44078 | 55922 | 16649 | 70 |
| 40 | 60850 | 44238 | 55762 | 16612 | 60 |
| 50 | 60973 | 44399 | 55601 | 16574 | 50 |
| 60 | 61096 | 44560 | 55440 | 16536 | 40 |
| 70 | 61219 | 44721 | 55279 | 16498 | 30 |
| 80 | 61341 | 44881 | 55119 | 16460 | 20 |
| 90 | 61464 | 45042 | 54958 | 16422 | 10 |
| **27 oo** | 61587 | 45203 | 54797 | 16384 | **73 oo** |
| 10 | 61710 | 45364 | 54636 | 16346 | 90 |
| 20 | 61833 | 45524 | 54476 | 16309 | 80 |
| 30 | 61956 | 45685 | 54315 | 16271 | 70 |
| 40 | 62078 | 45846 | 54154 | 16233 | 60 |
| 50 | 62201 | 46006 | 53994 | 16195 | 50 |
| 60 | 62324 | 46167 | 53833 | 16157 | 40 |
| 70 | 62447 | 46328 | 53672 | 16119 | 30 |
| 80 | 62570 | 46489 | 53511 | 16081 | 20 |
| 90 | 62693 | 46649 | 53351 | 16043 | 10 |
| **28 oo** | 62815 | 46810 | 53190 | 16005 | **72 oo** |
| 10 | 62938 | 46971 | 53029 | 15968 | 90 |
| 20 | 63061 | 47131 | 52869 | 15930 | 80 |
| 30 | 63184 | 47292 | 52708 | 15892 | 70 |
| 40 | 63307 | 47453 | 52547 | 15854 | 60 |
| 50 | 63429 | 47613 | 52387 | 15816 | 50 |
| 60 | 63552 | 47774 | 52226 | 15778 | 40 |
| 70 | 63675 | 47935 | 52065 | 15740 | 30 |
| 80 | 63798 | 48095 | 51905 | 15702 | 20 |
| 90 | 63920 | 48256 | 51744 | 15664 | 10 |
| **29 oo** | 64043 | 48417 | 51583 | 15626 | **71 oo** |
| 10 | 64166 | 48578 | 51422 | 15588 | 90 |
| 20 | 64289 | 48738 | 51262 | 15551 | 80 |
| 30 | 64412 | 48899 | 51101 | 15513 | 70 |
| 40 | 64534 | 49060 | 50940 | 15475 | 60 |
| 50 | 64657 | 49220 | 50780 | 15437 | 50 |
| 60 | 64780 | 49381 | 50619 | 15399 | 40 |
| 70 | 64902 | 49541 | 50459 | 15361 | 30 |
| 80 | 65025 | 49702 | 50298 | 15323 | 20 |
| 90 | 65148 | 49863 | 50137 | 15285 | 10 |
| **30 oo** | 65271 | 50023 | 49977 | 15247 | **70 oo** |
| | **9.68** | **9.74** | **0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 122 | 160 | 160 | 38 | **67g** |

| | 161 | 160 | 124 | 123 | 122 | 38 | 37 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,1 | 16,0 | 12,4 | 12,3 | 12,2 | 3,8 | 3,7 | 1 |
| 2 | 32,2 | 32,0 | 24,8 | 24,6 | 24,4 | 7,6 | 7,4 | 2 |
| 3 | 48,3 | 48,0 | 37,2 | 36,9 | 36,6 | 11,4 | 11,1 | 3 |
| 4 | 64,4 | 64,0 | 49,6 | 49,2 | 48,8 | 15,2 | 14,8 | 4 |
| 5 | 80,5 | 80,0 | 62,0 | 61,5 | 61,0 | 19,0 | 18,5 | 5 |
| 6 | 96,6 | 96,0 | 74,4 | 73,8 | 73,2 | 22,8 | 22,2 | 6 |
| 7 | 112,7 | 112,0 | 86,8 | 86,1 | 85,4 | 26,6 | 25,9 | 7 |
| 8 | 128,8 | 128,0 | 99,2 | 98,4 | 97,6 | 30,4 | 29,6 | 8 |
| 9 | 144,9 | 144,0 | 111,6 | 110,7 | 109,8 | 34,2 | 33,3 | 9 |

| 32g | 123 | 161 | 161 | 37 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.74** | **0.25** | **9.94** | |
| **30 oo** | 65271 | 50023 | 49977 | 15247 | **70 oo** |
| 10 | 65393 | 50184 | 49816 | 15209 | 90 |
| 20 | 65516 | 50345 | 49655 | 15171 | 80 |
| 30 | 65639 | 50505 | 49495 | 15133 | 70 |
| 40 | 65761 | 50666 | 49334 | 15096 | 60 |
| 50 | 65884 | 50827 | 49173 | 15058 | 50 |
| 60 | 66007 | 50987 | 49013 | 15020 | 40 |
| 70 | 66130 | 51148 | 48852 | 14982 | 30 |
| 80 | 66252 | 51308 | 48692 | 14944 | 20 |
| 90 | 66375 | 51469 | 48531 | 14906 | 10 |
| **31 oo** | 66498 | 51630 | 48370 | 14868 | **69 oo** |
| 10 | 66620 | 51790 | 48210 | 14830 | 90 |
| 20 | 66743 | 51951 | 48049 | 14792 | 80 |
| 30 | 66866 | 52111 | 47889 | 14754 | 70 |
| 40 | 66988 | 52272 | 47728 | 14716 | 60 |
| 50 | 67111 | 52433 | 47567 | 14678 | 50 |
| 60 | 67234 | 52593 | 47407 | 14640 | 40 |
| 70 | 67356 | 52754 | 47246 | 14602 | 30 |
| 80 | 67479 | 52914 | 47086 | 14564 | 20 |
| 90 | 67601 | 53075 | 46925 | 14526 | 10 |
| **32 oo** | 67724 | 53236 | 46764 | 14488 | **68 oo** |
| 10 | 67847 | 53396 | 46604 | 14451 | 90 |
| 20 | 67969 | 53557 | 46443 | 14413 | 80 |
| 30 | 68092 | 53717 | 46283 | 14375 | 70 |
| 40 | 68215 | 53878 | 46122 | 14337 | 60 |
| 50 | 68337 | 54038 | 45962 | 14299 | 50 |
| 60 | 68460 | 54199 | 45801 | 14261 | 40 |
| 70 | 68582 | 54360 | 45640 | 14223 | 30 |
| 80 | 68705 | 54520 | 45480 | 14185 | 20 |
| 90 | 68827 | 54681 | 45319 | 14147 | 10 |
| **33 oo** | 68950 | 54841 | 45159 | 14109 | **67 oo** |
| 10 | 69073 | 55002 | 44998 | 14071 | 90 |
| 20 | 69195 | 55162 | 44838 | 14033 | 80 |
| 30 | 69318 | 55323 | 44677 | 13995 | 70 |
| 40 | 69440 | 55483 | 44517 | 13957 | 60 |
| 50 | 69563 | 55644 | 44356 | 13919 | 50 |
| 60 | 69685 | 55804 | 44196 | 13881 | 40 |
| 70 | 69808 | 55965 | 44035 | 13843 | 30 |
| 80 | 69931 | 56125 | 43875 | 13805 | 20 |
| 90 | 70053 | 56286 | 43714 | 13767 | 10 |
| **34 oo** | 70176 | 56446 | 43554 | 13729 | **66 oo** |
| 10 | 70298 | 56607 | 43393 | 13691 | 90 |
| 20 | 70421 | 56767 | 43233 | 13653 | 80 |
| 30 | 70543 | 56928 | 43072 | 13615 | 70 |
| 40 | 70666 | 57089 | 42911 | 13577 | 60 |
| 50 | 70788 | 57249 | 42751 | 13539 | 50 |
| 60 | 70911 | 57410 | 42590 | 13501 | 40 |
| 70 | 71033 | 57570 | 42430 | 13463 | 30 |
| 80 | 71156 | 57730 | 42270 | 13425 | 20 |
| 90 | 71278 | 57891 | 42109 | 13387 | 10 |
| **35 oo** | 71401 | 58051 | 41949 | 13349 | **65 oo** |
| | **9.68** | **9.74** | **0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **67g** |
| | 122 | 160 | 160 | 38 | |

| 32g | 123 | 161 | 161 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.74** | **0.25** | **9.94** | |
| **35 oo** | 71401 | 58051 | 41949 | 13349 | **65 oo** |
| 10 | 71523 | 58212 | 41788 | 13311 | 90 |
| 20 | 71646 | 58372 | 41628 | 13273 | 80 |
| 30 | 71768 | 58533 | 41467 | 13235 | 70 |
| 40 | 71891 | 58693 | 41307 | 13197 | 60 |
| 50 | 72013 | 58854 | 41146 | 13159 | 50 |
| 60 | 72136 | 59014 | 40986 | 13121 | 40 |
| 70 | 72258 | 59175 | 40825 | 13083 | 30 |
| 80 | 72381 | 59335 | 40665 | 13045 | 20 |
| 90 | 72503 | 59496 | 40504 | 13007 | 10 |
| **36 oo** | 72625 | 59656 | 40344 | 12969 | **64 oo** |
| 10 | 72748 | 59817 | 40183 | 12931 | 90 |
| 20 | 72870 | 59977 | 40023 | 12893 | 80 |
| 30 | 72993 | 60137 | 39863 | 12855 | 70 |
| 40 | 73115 | 60298 | 39702 | 12817 | 60 |
| 50 | 73238 | 60458 | 39542 | 12779 | 50 |
| 60 | 73360 | 60619 | 39381 | 12741 | 40 |
| 70 | 73482 | 60779 | 39221 | 12703 | 30 |
| 80 | 73605 | 60940 | 39060 | 12665 | 20 |
| 90 | 73727 | 61100 | 38900 | 12627 | 10 |
| **37 oo** | 73850 | 61260 | 38740 | 12589 | **63 oo** |
| 10 | 73972 | 61421 | 38579 | 12551 | 90 |
| 20 | 74094 | 61581 | 38419 | 12513 | 80 |
| 30 | 74217 | 61742 | 38258 | 12475 | 70 |
| 40 | 74339 | 61902 | 38098 | 12437 | 60 |
| 50 | 74462 | 62063 | 37937 | 12399 | 50 |
| 60 | 74584 | 62223 | 37777 | 12361 | 40 |
| 70 | 74706 | 62383 | 37617 | 12323 | 30 |
| 80 | 74829 | 62544 | 37456 | 12285 | 20 |
| 90 | 74951 | 62704 | 37296 | 12247 | 10 |
| **38 oo** | 75073 | 62865 | 37135 | 12209 | **62 oo** |
| 10 | 75196 | 63025 | 36975 | 12171 | 90 |
| 20 | 75318 | 63185 | 36815 | 12133 | 80 |
| 30 | 75440 | 63346 | 36654 | 12095 | 70 |
| 40 | 75563 | 63506 | 36494 | 12057 | 60 |
| 50 | 75685 | 63666 | 36334 | 12019 | 50 |
| 60 | 75807 | 63827 | 36173 | 11981 | 40 |
| 70 | 75930 | 63987 | 36013 | 11943 | 30 |
| 80 | 76052 | 64148 | 35852 | 11905 | 20 |
| 90 | 76174 | 64308 | 35692 | 11867 | 10 |
| **39 oo** | 76297 | 64468 | 35532 | 11828 | **61 oo** |
| 10 | 76419 | 64629 | 35371 | 11790 | 90 |
| 20 | 76541 | 64789 | 35211 | 11752 | 80 |
| 30 | 76664 | 64949 | 35051 | 11714 | 70 |
| 40 | 76786 | 65110 | 34890 | 11676 | 60 |
| 50 | 76908 | 65270 | 34730 | 11638 | 50 |
| 60 | 77031 | 65430 | 34570 | 11600 | 40 |
| 70 | 77153 | 65591 | 34409 | 11562 | 30 |
| 80 | 77275 | 65751 | 34249 | 11524 | 20 |
| 90 | 77397 | 65911 | 34089 | 11486 | 10 |
| **40 oo** | 77520 | 66072 | 33928 | 11448 | **60 oo** |
| | **9.68** | **9.74** | **0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **67g** |
| | 122 | 160 | 160 | 39 | |

| | 161 | 160 | 123 | 122 | 39 | 38 | 37 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,1 | 16,0 | 12,3 | 12,2 | 3,9 | 3,8 | 3,7 | 1 |
| 2 | 32,2 | 32,0 | 24,6 | 24,4 | 7,8 | 7,6 | 7,4 | 2 |
| 3 | 48,3 | 48,0 | 36,9 | 36,6 | 11,7 | 11,4 | 11,1 | 3 |
| 4 | 64,4 | 64,0 | 49,2 | 48,8 | 15,6 | 15,2 | 14,8 | 4 |
| 5 | 80,5 | 80,0 | 61,5 | 61,0 | 19,5 | 19,0 | 18,5 | 5 |
| 6 | 96,6 | 96,0 | 73,8 | 73,2 | 23,4 | 22,8 | 22,2 | 6 |
| 7 | 112,7 | 112,0 | 86,1 | 85,4 | 27,3 | 26,6 | 25,9 | 7 |
| 8 | 128,8 | 128,0 | 98,4 | 97,6 | 31,2 | 30,4 | 29,6 | 8 |
| 9 | 144,9 | 144,0 | 110,7 | 109,8 | 35,1 | 34,2 | 33,3 | 9 |

| 32g | 123 | 161 | 161 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.74** | **0.25** | **9.94** | |
| **40 oo** | 77520 | 66072 | 33928 | 11448 | **60 oo** |
| 10 | 77642 | 66232 | 33768 | 11410 | 90 |
| 20 | 77764 | 66392 | 33608 | 11372 | 80 |
| 30 | 77886 | 66553 | 33447 | 11334 | 70 |
| 40 | 78009 | 66713 | 33287 | 11296 | 60 |
| 50 | 78131 | 66873 | 33127 | 11258 | 50 |
| 60 | 78253 | 67034 | 32966 | 11219 | 40 |
| 70 | 78375 | 67194 | 32806 | 11181 | 30 |
| 80 | 78498 | 67354 | 32646 | 11143 | 20 |
| 90 | 78620 | 67515 | 32485 | 11105 | 10 |
| **41 oo** | 78742 | 67675 | 32325 | 11067 | **59 oo** |
| 10 | 78864 | 67835 | 32165 | 11029 | 90 |
| 20 | 78986 | 67995 | 32005 | 10991 | 80 |
| 30 | 79109 | 68156 | 31844 | 10953 | 70 |
| 40 | 79231 | 68316 | 31684 | 10915 | 60 |
| 50 | 79353 | 68476 | 31524 | 10877 | 50 |
| 60 | 79475 | 68637 | 31363 | 10839 | 40 |
| 70 | 79597 | 68797 | 31203 | 10801 | 30 |
| 80 | 79720 | 68957 | 31043 | 10763 | 20 |
| 90 | 79842 | 69117 | 30883 | 10724 | 10 |
| **42 oo** | 79964 | 69278 | 30722 | 10686 | **58 oo** |
| 10 | 80086 | 69438 | 30562 | 10648 | 90 |
| 20 | 80208 | 69598 | 30402 | 10610 | 80 |
| 30 | 80330 | 69758 | 30242 | 10572 | 70 |
| 40 | 80453 | 69919 | 30081 | 10534 | 60 |
| 50 | 80575 | 70079 | 29921 | 10496 | 50 |
| 60 | 80697 | 70239 | 29761 | 10458 | 40 |
| 70 | 80819 | 70399 | 29601 | 10420 | 30 |
| 80 | 80941 | 70560 | 29440 | 10382 | 20 |
| 90 | 81063 | 70720 | 29280 | 10343 | 10 |
| **43 oo** | 81185 | 70880 | 29120 | 10305 | **57 oo** |
| 10 | 81308 | 71040 | 28960 | 10267 | 90 |
| 20 | 81430 | 71201 | 28799 | 10229 | 80 |
| 30 | 81552 | 71361 | 28639 | 10191 | 70 |
| 40 | 81674 | 71521 | 28479 | 10153 | 60 |
| 50 | 81796 | 71681 | 28319 | 10115 | 50 |
| 60 | 81918 | 71841 | 28159 | 10077 | 40 |
| 70 | 82040 | 72002 | 27998 | 10039 | 30 |
| 80 | 82162 | 72162 | 27838 | 10000 | 20 |
| 90 | 82284 | 72322 | 27678 | 09962 | 10 |
| **44 oo** | 82407 | 72482 | 27518 | 09924 | **56 oo** |
| 10 | 82529 | 72643 | 27357 | 09886 | 90 |
| 20 | 82651 | 72803 | 27197 | 09848 | 80 |
| 30 | 82773 | 72963 | 27037 | 09810 | 70 |
| 40 | 82895 | 73123 | 26877 | 09772 | 60 |
| 50 | 83017 | 73283 | 26717 | 09734 | 50 |
| 60 | 83139 | 73443 | 26557 | 09695 | 40 |
| 70 | 83261 | 73604 | 26396 | 09657 | 30 |
| 80 | 83383 | 73764 | 26236 | 09619 | 20 |
| 90 | 83505 | 73924 | 26076 | 09581 | 10 |
| **45 oo** | 83627 | 74084 | 25916 | 09543 | **55 oo** |
| | **9.68** | **9.74** | **0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 122 | 160 | 160 | 39 | **67g** |

| 32g | 122 | 161 | 161 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.74** | **0.25** | **9.94** | |
| **45 oo** | 83627 | 74084 | 25916 | 09543 | **55 oo** |
| 10 | 83749 | 74244 | 25756 | 09505 | 90 |
| 20 | 83871 | 74405 | 25595 | 09467 | 80 |
| 30 | 83993 | 74565 | 25435 | 09429 | 70 |
| 40 | 84115 | 74725 | 25275 | 09390 | 60 |
| 50 | 84237 | 74885 | 25115 | 09352 | 50 |
| 60 | 84359 | 75045 | 24955 | 09314 | 40 |
| 70 | 84481 | 75205 | 24795 | 09276 | 30 |
| 80 | 84603 | 75365 | 24635 | 09238 | 20 |
| 90 | 84725 | 75526 | 24474 | 09200 | 10 |
| **46 oo** | 84847 | 75686 | 24314 | 09162 | **54 oo** |
| 10 | 84969 | 75846 | 24154 | 09123 | 90 |
| 20 | 85091 | 76006 | 23994 | 09085 | 80 |
| 30 | 85213 | 76166 | 23834 | 09047 | 70 |
| 40 | 85335 | 76326 | 23674 | 09009 | 60 |
| 50 | 85457 | 76486 | 23514 | 08971 | 50 |
| 60 | 85579 | 76647 | 23353 | 08933 | 40 |
| 70 | 85701 | 76807 | 23193 | 08894 | 30 |
| 80 | 85823 | 76967 | 23033 | 08856 | 20 |
| 90 | 85945 | 77127 | 22873 | 08818 | 10 |
| **47 oo** | 86067 | 77287 | 22713 | 08780 | **53 oo** |
| 10 | 86189 | 77447 | 22553 | 08742 | 90 |
| 20 | 86311 | 77607 | 22393 | 08704 | 80 |
| 30 | 86433 | 77767 | 22233 | 08665 | 70 |
| 40 | 86555 | 77927 | 22073 | 08627 | 60 |
| 50 | 86677 | 78088 | 21912 | 08589 | 50 |
| 60 | 86799 | 78248 | 21752 | 08551 | 40 |
| 70 | 86921 | 78408 | 21592 | 08513 | 30 |
| 80 | 87042 | 78568 | 21432 | 08475 | 20 |
| 90 | 87164 | 78728 | 21272 | 08436 | 10 |
| **48 oo** | 87286 | 78888 | 21112 | 08398 | **52 oo** |
| 10 | 87408 | 79048 | 20952 | 08360 | 90 |
| 20 | 87530 | 79208 | 20792 | 08322 | 80 |
| 30 | 87652 | 79368 | 20632 | 08284 | 70 |
| 40 | 87774 | 79528 | 20472 | 08246 | 60 |
| 50 | 87896 | 79688 | 20312 | 08207 | 50 |
| 60 | 88018 | 79848 | 20152 | 08169 | 40 |
| 70 | 88139 | 80008 | 19992 | 08131 | 30 |
| 80 | 88261 | 80169 | 19831 | 08093 | 20 |
| 90 | 88383 | 80329 | 19671 | 08055 | 10 |
| **49 oo** | 88505 | 80489 | 19511 | 08016 | **51 oo** |
| 10 | 88627 | 80649 | 19351 | 07978 | 90 |
| 20 | 88749 | 80809 | 19191 | 07940 | 80 |
| 30 | 88871 | 80969 | 19031 | 07902 | 70 |
| 40 | 88992 | 81129 | 18871 | 07864 | 60 |
| 50 | 89114 | 81289 | 18711 | 07825 | 50 |
| 60 | 89236 | 81449 | 18551 | 07787 | 40 |
| 70 | 89358 | 81609 | 18391 | 07749 | 30 |
| 80 | 89480 | 81769 | 18231 | 07711 | 20 |
| 90 | 89602 | 81929 | 18071 | 07673 | 10 |
| **50 oo** | 89723 | 82089 | 17911 | 07634 | **50 oo** |
| | **9.68** | **9.74** | **0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 121 | 160 | 160 | 39 | **67g** |

| | 161 | 160 | 123 | 122 | 121 | 39 | 38 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,1 | 16,0 | 12,3 | 12,2 | 12,1 | 3,9 | 3,8 | 1 |
| 2 | 32,2 | 32,0 | 24,6 | 24,4 | 24,2 | 7,8 | 7,6 | 2 |
| 3 | 48,3 | 48,0 | 36,9 | 36,6 | 36,3 | 11,7 | 11,4 | 3 |
| 4 | 64,4 | 64,0 | 49,2 | 48,8 | 48,4 | 15,6 | 15,2 | 4 |
| 5 | 80,5 | 80,0 | 61,5 | 61,0 | 60,5 | 19,5 | 19,0 | 5 |
| 6 | 96,6 | 96,0 | 73,8 | 73,2 | 72,6 | 23,4 | 22,8 | 6 |
| 7 | 112,7 | 112,0 | 86,1 | 85,4 | 84,7 | 27,3 | 26,6 | 7 |
| 8 | 128,8 | 128,0 | 98,4 | 97,6 | 96,8 | 31,2 | 30,4 | 8 |
| 9 | 144,9 | 144,0 | 110,7 | 109,8 | 108,9 | 35,1 | 34,2 | 9 |

| 32g | 122 | 160 | 160 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.74** | **0.25** | **9.94** | |
| **50 oo** | 89723 | 82089 | 17911 | 07634 | **50 oo** |
| 10 | 89845 | 82249 | 17751 | 07596 | 90 |
| 20 | 89967 | 82409 | 17591 | 07558 | 80 |
| 30 | 90089 | 82569 | 17431 | 07520 | 70 |
| 40 | 90211 | 82729 | 17271 | 07482 | 60 |
| 50 | 90332 | 82889 | 17111 | 07443 | 50 |
| 60 | 90454 | 83049 | 16951 | 07405 | 40 |
| 70 | 90576 | 83209 | 16791 | 07367 | 30 |
| 80 | 90698 | 83369 | 16631 | 07329 | 20 |
| 90 | 90820 | 83529 | 16471 | 07291 | 10 |
| **51 oo** | 90941 | 83689 | 16311 | 07252 | **49 oo** |
| 10 | 91063 | 83849 | 16151 | 07214 | 90 |
| 20 | 91185 | 84009 | 15991 | 07176 | 80 |
| 30 | 91307 | 84169 | 15831 | 07138 | 70 |
| 40 | 91428 | 84329 | 15671 | 07099 | 60 |
| 50 | 91550 | 84489 | 15511 | 07061 | 50 |
| 60 | 91672 | 84649 | 15351 | 07023 | 40 |
| 70 | 91794 | 84809 | 15191 | 06985 | 30 |
| 80 | 91915 | 84969 | 15031 | 06947 | 20 |
| 90 | 92037 | 85129 | 14871 | 06908 | 10 |
| **52 oo** | 92159 | 85289 | 14711 | 06870 | **48 oo** |
| 10 | 92281 | 85449 | 14551 | 06832 | 90 |
| 20 | 92402 | 85609 | 14391 | 06794 | 80 |
| 30 | 92524 | 85769 | 14231 | 06755 | 70 |
| 40 | 92646 | 85928 | 14072 | 06717 | 60 |
| 50 | 92767 | 86088 | 13912 | 06679 | 50 |
| 60 | 92889 | 86248 | 13752 | 06641 | 40 |
| 70 | 93011 | 86408 | 13592 | 06602 | 30 |
| 80 | 93132 | 86568 | 13432 | 06564 | 20 |
| 90 | 93254 | 86728 | 13272 | 06526 | 10 |
| **53 oo** | 93376 | 86888 | 13112 | 06488 | **47 oo** |
| 10 | 93497 | 87048 | 12952 | 06449 | 90 |
| 20 | 93619 | 87208 | 12792 | 06411 | 80 |
| 30 | 93741 | 87368 | 12632 | 06373 | 70 |
| 40 | 93862 | 87528 | 12472 | 06335 | 60 |
| 50 | 93984 | 87688 | 12312 | 06296 | 50 |
| 60 | 94106 | 87848 | 12152 | 06258 | 40 |
| 70 | 94227 | 88008 | 11992 | 06220 | 30 |
| 80 | 94349 | 88167 | 11833 | 06182 | 20 |
| 90 | 94471 | 88327 | 11673 | 06143 | 10 |
| **54 oo** | 94592 | 88487 | 11513 | 06105 | **46 oo** |
| 10 | 94714 | 88647 | 11353 | 06067 | 90 |
| 20 | 94836 | 88807 | 11193 | 06029 | 80 |
| 30 | 94957 | 88967 | 11033 | 05990 | 70 |
| 40 | 95079 | 89127 | 10873 | 05952 | 60 |
| 50 | 95200 | 89287 | 10713 | 05914 | 50 |
| 60 | 95322 | 89447 | 10553 | 05876 | 40 |
| 70 | 95444 | 89606 | 10394 | 05837 | 30 |
| 80 | 95565 | 89766 | 10234 | 05799 | 20 |
| 90 | 95687 | 89926 | 10074 | 05761 | 10 |
| **55 oo** | 95808 | 90086 | 09914 | 05723 | **45 oo** |
| | **9.68** | **9.74** | **0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 121 | 159 | 159 | 39 | **67g** |

| 32g | 122 | 160 | 160 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.68** | **9.74** | **0.25** | **9.94** | |
| **55 oo** | 95808 | 90086 | 09914 | 05723 | **45 oo** |
| 10 | 95930 | 90246 | 09754 | 05684 | 90 |
| 20 | 96052 | 90406 | 09594 | 05646 | 80 |
| 30 | 96173 | 90566 | 09434 | 05608 | 70 |
| 40 | 96295 | 90725 | 09275 | 05569 | 60 |
| 50 | 96416 | 90885 | 09115 | 05531 | 50 |
| 60 | 96538 | 91045 | 08955 | 05493 | 40 |
| 70 | 96660 | 91205 | 08795 | 05455 | 30 |
| 80 | 96781 | 91365 | 08635 | 05416 | 20 |
| 90 | 96903 | 91525 | 08475 | 05378 | 10 |
| **56 oo** | 97024 | 91684 | 08316 | 05340 | **44 oo** |
| 10 | 97146 | 91844 | 08156 | 05301 | 90 |
| 20 | 97267 | 92004 | 07996 | 05263 | 80 |
| 30 | 97389 | 92164 | 07836 | 05225 | 70 |
| 40 | 97510 | 92324 | 07676 | 05187 | 60 |
| 50 | 97632 | 92484 | 07516 | 05148 | 50 |
| 60 | 97753 | 92643 | 07357 | 05110 | 40 |
| 70 | 97875 | 92803 | 07197 | 05072 | 30 |
| 80 | 97996 | 92963 | 07037 | 05033 | 20 |
| 90 | 98118 | 93123 | 06877 | 04995 | 10 |
| **57 oo** | 98239 | 93283 | 06717 | 04957 | **43 oo** |
| 10 | 98361 | 93442 | 06558 | 04918 | 90 |
| 20 | 98482 | 93602 | 06398 | 04880 | 80 |
| 30 | 98604 | 93762 | 06238 | 04842 | 70 |
| 40 | 98725 | 93922 | 06078 | 04804 | 60 |
| 50 | 98847 | 94082 | 05918 | 04765 | 50 |
| 60 | 98968 | 94241 | 05759 | 04727 | 40 |
| 70 | 99090 | 94401 | 05599 | 04689 | 30 |
| 80 | 99211 | 94561 | 05439 | 04650 | 20 |
| 90 | 99333 | 94721 | 05279 | 04612 | 10 |
| **58 oo** | 99454 | 94881 | 05119 | 04574 | **42 oo** |
| 10 | 99576 | 95040 | 04960 | 04535 | 90 |
| 20 | 99697 | 95200 | 04800 | 04497 | 80 |
| 30 | 99819 | 95360 | 04640 | 04459 | 70 |
| 40 | 99940 | 95520 | 04480 | 04420 | 60 |
| 50 | *00061 | 95679 | 04321 | 04382 | 50 |
| 60 | *00183 | 95839 | 04161 | 04344 | 40 |
| 70 | *00304 | 95999 | 04001 | 04305 | 30 |
| 80 | *00426 | 96159 | 03841 | 04267 | 20 |
| 90 | *00547 | 96318 | 03682 | 04229 | 10 |
| **59 oo** | *00668 | 96478 | 03522 | 04190 | **41 oo** |
| 10 | *00790 | 96638 | 03362 | 04152 | 90 |
| 20 | *00911 | 96798 | 03202 | 04114 | 80 |
| 30 | *01033 | 96957 | 03043 | 04075 | 70 |
| 40 | *01154 | 97117 | 02883 | 04037 | 60 |
| 50 | *01275 | 97277 | 02723 | 03999 | 50 |
| 60 | *01397 | 97437 | 02563 | 03960 | 40 |
| 70 | *01518 | 97596 | 02404 | 03922 | 30 |
| 80 | *01640 | 97756 | 02244 | 03884 | 20 |
| 90 | *01761 | 97916 | 02084 | 03845 | 10 |
| **60 oo** | *01882 | 98075 | 01925 | 03807 | **40 oo** |
| | ***9.69** | **9.74** | **0.25** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 121 | 159 | 159 | 39 | **67g** |

| | 160 | 159 | 122 | 121 | 39 | 38 | |
|---|---|---|---|---|---|---|---|
| 1 | 16,0 | 15,9 | 12,2 | 12,1 | 3,9 | 3,8 | 1 |
| 2 | 32,0 | 31,8 | 24,4 | 24,2 | 7,8 | 7,6 | 2 |
| 3 | 48,0 | 47,7 | 36,6 | 36,3 | 11,7 | 11,4 | 3 |
| 4 | 64,0 | 63,6 | 48,8 | 48,4 | 15,6 | 15,2 | 4 |
| 5 | 80,0 | 79,5 | 61,0 | 60,5 | 19,5 | 19,0 | 5 |
| 6 | 96,0 | 95,4 | 73,2 | 72,6 | 23,4 | 22,8 | 6 |
| 7 | 112,0 | 111,3 | 85,4 | 84,7 | 27,3 | 26,6 | 7 |
| 8 | 128,0 | 127,2 | 97,6 | 96,8 | 31,2 | 30,4 | 8 |
| 9 | 144,0 | 143,1 | 109,8 | 108,9 | 35,1 | 34,2 | 9 |

| 32g | 122 | 160 | 160 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | ***9.74** | ***0.25** | **9.94** | |
| **60 oo** | 01882 | *98075 | *01925 | 03807 | **40 oo** |
| 10 | 02004 | *98235 | *01765 | 03769 | 90 |
| 20 | 02125 | *98395 | *01605 | 03730 | 80 |
| 30 | 02246 | *98554 | *01446 | 03692 | 70 |
| 40 | 02368 | *98714 | *01286 | 03654 | 60 |
| 50 | 02489 | *98874 | *01126 | 03615 | 50 |
| 60 | 02610 | *99034 | *00966 | 03577 | 40 |
| 70 | 02732 | *99193 | *00807 | 03539 | 30 |
| 80 | 02853 | *99353 | *00647 | 03500 | 20 |
| 90 | 02974 | *99513 | *00487 | 03462 | 10 |
| **61 oo** | 03096 | *99672 | *00328 | 03423 | **39 oo** |
| 10 | 03217 | *99832 | *00168 | 03385 | 90 |
| 20 | 03338 | *99992 | *00008 | 03347 | 80 |
| 30 | 03460 | 00151 | 99849 | 03308 | 70 |
| 40 | 03581 | 00311 | 99689 | 03270 | 60 |
| 50 | 03702 | 00471 | 99529 | 03232 | 50 |
| 60 | 03824 | 00630 | 99370 | 03193 | 40 |
| 70 | 03945 | 00790 | 99210 | 03155 | 30 |
| 80 | 04066 | 00950 | 99050 | 03117 | 20 |
| 90 | 04188 | 01109 | 98891 | 03078 | 10 |
| **62 oo** | 04309 | 01269 | 98731 | 03040 | **38 oo** |
| 10 | 04430 | 01429 | 98571 | 03001 | 90 |
| 20 | 04551 | 01588 | 98412 | 02963 | 80 |
| 30 | 04673 | 01748 | 98252 | 02925 | 70 |
| 40 | 04794 | 01908 | 98092 | 02886 | 60 |
| 50 | 04915 | 02067 | 97933 | 02848 | 50 |
| 60 | 05036 | 02227 | 97773 | 02810 | 40 |
| 70 | 05158 | 02386 | 97614 | 02771 | 30 |
| 80 | 05279 | 02546 | 97454 | 02733 | 20 |
| 90 | 05400 | 02706 | 97294 | 02694 | 10 |
| **63 oo** | 05521 | 02865 | 97135 | 02656 | **37 oo** |
| 10 | 05643 | 03025 | 96975 | 02618 | 90 |
| 20 | 05764 | 03185 | 96815 | 02579 | 80 |
| 30 | 05885 | 03344 | 96656 | 02541 | 70 |
| 40 | 06006 | 03504 | 96496 | 02502 | 60 |
| 50 | 06127 | 03663 | 96337 | 02464 | 50 |
| 60 | 06249 | 03823 | 96177 | 02426 | 40 |
| 70 | 06370 | 03983 | 96017 | 02387 | 30 |
| 80 | 06491 | 04142 | 95858 | 02349 | 20 |
| 90 | 06612 | 04302 | 95698 | 02310 | 10 |
| **64 oo** | 06733 | 04461 | 95539 | 02272 | **36 oo** |
| 10 | 06855 | 04621 | 95379 | 02234 | 90 |
| 20 | 06976 | 04781 | 95219 | 02195 | 80 |
| 30 | 07097 | 04940 | 95060 | 02157 | 70 |
| 40 | 07218 | 05100 | 94900 | 02118 | 60 |
| 50 | 07339 | 05259 | 94741 | 02080 | 50 |
| 60 | 07460 | 05419 | 94581 | 02042 | 40 |
| 70 | 07582 | 05578 | 94422 | 02003 | 30 |
| 80 | 07703 | 05738 | 94262 | 01965 | 20 |
| 90 | 07824 | 05898 | 94102 | 01926 | 10 |
| **65 oo** | 07945 | 06057 | 93943 | 01888 | **35 oo** |
| | **9.69** | **9.75** | **0.24** | **9.94** | c cc |
| | log cos | log ctg | log tg | log sin | **67g** |
| | 121 | 159 | 159 | 39 | |

| 32g | 122 | 160 | 160 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.75** | **0.24** | **9.94** | |
| **65 oo** | 07945 | 06057 | 93943 | 01888 | **35 oo** |
| 10 | 08066 | 06217 | 93783 | 01850 | 90 |
| 20 | 08187 | 06376 | 93624 | 01811 | 80 |
| 30 | 08309 | 06536 | 93464 | 01773 | 70 |
| 40 | 08430 | 06695 | 93305 | 01734 | 60 |
| 50 | 08551 | 06855 | 93145 | 01696 | 50 |
| 60 | 08672 | 07014 | 92986 | 01657 | 40 |
| 70 | 08793 | 07174 | 92826 | 01619 | 30 |
| 80 | 08914 | 07333 | 92667 | 01581 | 20 |
| 90 | 09035 | 07493 | 92507 | 01542 | 10 |
| **66 oo** | 09156 | 07653 | 92347 | 01504 | **34 oo** |
| 10 | 09277 | 07812 | 92188 | 01465 | 90 |
| 20 | 09398 | 07972 | 92028 | 01427 | 80 |
| 30 | 09520 | 08131 | 91869 | 01388 | 70 |
| 40 | 09641 | 08291 | 91709 | 01350 | 60 |
| 50 | 09762 | 08450 | 91550 | 01312 | 50 |
| 60 | 09883 | 08610 | 91390 | 01273 | 40 |
| 70 | 10004 | 08769 | 91231 | 01235 | 30 |
| 80 | 10125 | 08929 | 91071 | 01196 | 20 |
| 90 | 10246 | 09088 | 90912 | 01158 | 10 |
| **67 oo** | 10367 | 09248 | 90752 | 01119 | **33 oo** |
| 10 | 10488 | 09407 | 90593 | 01081 | 90 |
| 20 | 10609 | 09567 | 90433 | 01042 | 80 |
| 30 | 10730 | 09726 | 90274 | 01004 | 70 |
| 40 | 10851 | 09886 | 90114 | 00966 | 60 |
| 50 | 10972 | 10045 | 89955 | 00927 | 50 |
| 60 | 11093 | 10205 | 89795 | 00889 | 40 |
| 70 | 11214 | 10364 | 89636 | 00850 | 30 |
| 80 | 11335 | 10524 | 89476 | 00812 | 20 |
| 90 | 11456 | 10683 | 89317 | 00773 | 10 |
| **68 oo** | 11577 | 10843 | 89157 | 00735 | **32 oo** |
| 10 | 11698 | 11002 | 88998 | 00696 | 90 |
| 20 | 11819 | 11161 | 88839 | 00658 | 80 |
| 30 | 11940 | 11321 | 88679 | 00619 | 70 |
| 40 | 12061 | 11480 | 88520 | 00581 | 60 |
| 50 | 12182 | 11640 | 88360 | 00543 | 50 |
| 60 | 12303 | 11799 | 88201 | 00504 | 40 |
| 70 | 12424 | 11959 | 88041 | 00466 | 30 |
| 80 | 12545 | 12118 | 87882 | 00427 | 20 |
| 90 | 12666 | 12278 | 87722 | 00389 | 10 |
| **69 oo** | 12787 | 12437 | 87563 | 00350 | **31 oo** |
| 10 | 12908 | 12596 | 87404 | 00312 | 90 |
| 20 | 13029 | 12756 | 87244 | 00273 | 80 |
| 30 | 13150 | 12915 | 87085 | 00235 | 70 |
| 40 | 13271 | 13075 | 86925 | 00196 | 60 |
| 50 | 13392 | 13234 | 86766 | 00158 | 50 |
| 60 | 13513 | 13394 | 86606 | 00119 | 40 |
| 70 | 13634 | 13553 | 86447 | 00081 | 30 |
| 80 | 13755 | 13712 | 86288 | 00042 | 20 |
| 90 | 13876 | 13872 | 86128 | 00004 | 10 |
| **70 oo** | 13997 | 14031 | 85969 | *99965 | **30 oo** |
| | **9.69** | **9.75** | **0.24** | ***9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **67g** |
| | 121 | 159 | 159 | 39 | |

| | 160 | 159 | 122 | 121 | 39 | 38 | |
|---|---|---|---|---|---|---|---|
| 1 | 16,0 | 15,9 | 12,2 | 12,1 | 3,9 | 3,8 | 1 |
| 2 | 32,0 | 31,8 | 24,4 | 24,2 | 7,8 | 7,6 | 2 |
| 3 | 48,0 | 47,7 | 36,6 | 36,3 | 11,7 | 11,4 | 3 |
| 4 | 64,0 | 63,6 | 48,8 | 48,4 | 15,6 | 15,2 | 4 |
| 5 | 80,0 | 79,5 | 61,0 | 60,5 | 19,5 | 19,0 | 5 |
| 6 | 96,0 | 95,4 | 73,2 | 72,6 | 23,4 | 22,8 | 6 |
| 7 | 112,0 | 111,3 | 85,4 | 84,7 | 27,3 | 26,6 | 7 |
| 8 | 128,0 | 127,2 | 97,6 | 96,8 | 31,2 | 30,4 | 8 |
| 9 | 144,0 | 143,1 | 109,8 | 108,9 | 35,1 | 34,2 | 9 |

| 32g | 121 | 160 | 160 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.75** | **0.24** | **9.93** | |
| **70 oo** | 13997 | 14031 | 85969 | 99965 | **30 oo** |
| 10 | 14118 | 14191 | 85809 | 99927 | 90 |
| 20 | 14239 | 14350 | 85650 | 99888 | 80 |
| 30 | 14359 | 14509 | 85491 | 99850 | 70 |
| 40 | 14480 | 14669 | 85331 | 99811 | 60 |
| 50 | 14601 | 14828 | 85172 | 99773 | 50 |
| 60 | 14722 | 14988 | 85012 | 99734 | 40 |
| 70 | 14843 | 15147 | 84853 | 99696 | 30 |
| 80 | 14964 | 15306 | 84694 | 99657 | 20 |
| 90 | 15085 | 15466 | 84534 | 99619 | 10 |
| **71 oo** | 15206 | 15625 | 84375 | 99580 | **29 oo** |
| 10 | 15327 | 15785 | 84215 | 99542 | 90 |
| 20 | 15447 | 15944 | 84056 | 99503 | 80 |
| 30 | 15568 | 16103 | 83897 | 99465 | 70 |
| 40 | 15689 | 16263 | 83737 | 99426 | 60 |
| 50 | 15810 | 16422 | 83578 | 99388 | 50 |
| 60 | 15931 | 16581 | 83419 | 99349 | 40 |
| 70 | 16052 | 16741 | 83259 | 99311 | 30 |
| 80 | 16173 | 16900 | 83100 | 99272 | 20 |
| 90 | 16293 | 17059 | 82941 | 99234 | 10 |
| **72 oo** | 16414 | 17219 | 82781 | 99195 | **28 oo** |
| 10 | 16535 | 17378 | 82622 | 99157 | 90 |
| 20 | 16656 | 17537 | 82463 | 99118 | 80 |
| 30 | 16777 | 17697 | 82303 | 99080 | 70 |
| 40 | 16898 | 17856 | 82144 | 99041 | 60 |
| 50 | 17018 | 18016 | 81984 | 99003 | 50 |
| 60 | 17139 | 18175 | 81825 | 98964 | 40 |
| 70 | 17260 | 18334 | 81666 | 98926 | 30 |
| 80 | 17381 | 18493 | 81507 | 98887 | 20 |
| 90 | 17502 | 18653 | 81347 | 98849 | 10 |
| **73 oo** | 17622 | 18812 | 81188 | 98810 | **27 oo** |
| 10 | 17743 | 18971 | 81029 | 98772 | 90 |
| 20 | 17864 | 19131 | 80869 | 98733 | 80 |
| 30 | 17985 | 19290 | 80710 | 98695 | 70 |
| 40 | 18105 | 19449 | 80551 | 98656 | 60 |
| 50 | 18226 | 19609 | 80391 | 98618 | 50 |
| 60 | 18347 | 19768 | 80232 | 98579 | 40 |
| 70 | 18468 | 19927 | 80073 | 98540 | 30 |
| 80 | 18588 | 20087 | 79913 | 98502 | 20 |
| 90 | 18709 | 20246 | 79754 | 98463 | 10 |
| **74 oo** | 18830 | 20405 | 79595 | 98425 | **26 oo** |
| 10 | 18951 | 20564 | 79436 | 98386 | 90 |
| 20 | 19071 | 20724 | 79276 | 98348 | 80 |
| 30 | 19192 | 20883 | 79117 | 98309 | 70 |
| 40 | 19313 | 21042 | 78958 | 98271 | 60 |
| 50 | 19434 | 21202 | 78798 | 98232 | 50 |
| 60 | 19554 | 21361 | 78639 | 98194 | 40 |
| 70 | 19675 | 21520 | 78480 | 98155 | 30 |
| 80 | 19796 | 21679 | 78321 | 98116 | 20 |
| 90 | 19916 | 21839 | 78161 | 98078 | 10 |
| **75 oo** | 20037 | 21998 | 78002 | 98039 | **25 oo** |
| | **9.69** | **9.75** | **0.24** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **67g** |
| | 120 | 159 | 159 | 39 | |

| 32g | 121 | 160 | 160 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.75** | **0.24** | **9.93** | |
| **75 oo** | 20037 | 21998 | 78002 | 98039 | **25 oo** |
| 10 | 20158 | 22157 | 77843 | 98001 | 90 |
| 20 | 20279 | 22316 | 77684 | 97962 | 80 |
| 30 | 20399 | 22476 | 77524 | 97924 | 70 |
| 40 | 20520 | 22635 | 77365 | 97885 | 60 |
| 50 | 20641 | 22794 | 77206 | 97847 | 50 |
| 60 | 20761 | 22953 | 77047 | 97808 | 40 |
| 70 | 20882 | 23113 | 76887 | 97769 | 30 |
| 80 | 21003 | 23272 | 76728 | 97731 | 20 |
| 90 | 21123 | 23431 | 76569 | 97692 | 10 |
| **76 oo** | 21244 | 23590 | 76410 | 97654 | **24 oo** |
| 10 | 21365 | 23749 | 76251 | 97615 | 90 |
| 20 | 21485 | 23909 | 76091 | 97577 | 80 |
| 30 | 21606 | 24068 | 75932 | 97538 | 70 |
| 40 | 21727 | 24227 | 75773 | 97499 | 60 |
| 50 | 21847 | 24386 | 75614 | 97461 | 50 |
| 60 | 21968 | 24546 | 75454 | 97422 | 40 |
| 70 | 22088 | 24705 | 75295 | 97384 | 30 |
| 80 | 22209 | 24864 | 75136 | 97345 | 20 |
| 90 | 22330 | 25023 | 74977 | 97306 | 10 |
| **77 oo** | 22450 | 25182 | 74818 | 97268 | **23 oo** |
| 10 | 22571 | 25342 | 74658 | 97229 | 90 |
| 20 | 22691 | 25501 | 74499 | 97191 | 80 |
| 30 | 22812 | 25660 | 74340 | 97152 | 70 |
| 40 | 22933 | 25819 | 74181 | 97114 | 60 |
| 50 | 23053 | 25978 | 74022 | 97075 | 50 |
| 60 | 23174 | 26137 | 73863 | 97036 | 40 |
| 70 | 23294 | 26297 | 73703 | 96998 | 30 |
| 80 | 23415 | 26456 | 73544 | 96959 | 20 |
| 90 | 23536 | 26615 | 73385 | 96921 | 10 |
| **78 oo** | 23656 | 26774 | 73226 | 96882 | **22 oo** |
| 10 | 23777 | 26933 | 73067 | 96843 | 90 |
| 20 | 23897 | 27093 | 72907 | 96805 | 80 |
| 30 | 24018 | 27252 | 72748 | 96766 | 70 |
| 40 | 24138 | 27411 | 72589 | 96728 | 60 |
| 50 | 24259 | 27570 | 72430 | 96689 | 50 |
| 60 | 24379 | 27729 | 72271 | 96650 | 40 |
| 70 | 24500 | 27888 | 72112 | 96612 | 30 |
| 80 | 24621 | 28047 | 71953 | 96573 | 20 |
| 90 | 24741 | 28207 | 71793 | 96535 | 10 |
| **79 oo** | 24862 | 28366 | 71634 | 96496 | **21 oo** |
| 10 | 24982 | 28525 | 71475 | 96457 | 90 |
| 20 | 25103 | 28684 | 71316 | 96419 | 80 |
| 30 | 25223 | 28843 | 71157 | 96380 | 70 |
| 40 | 25344 | 29002 | 70998 | 96341 | 60 |
| 50 | 25464 | 29161 | 70839 | 96303 | 50 |
| 60 | 25585 | 29320 | 70680 | 96264 | 40 |
| 70 | 25705 | 29480 | 70520 | 96226 | 30 |
| 80 | 25826 | 29639 | 70361 | 96187 | 20 |
| 90 | 25946 | 29798 | 70202 | 96148 | 10 |
| **80 oo** | 26067 | 29957 | 70043 | 96110 | **20 oo** |
| | **9.69** | **9.75** | **0.24** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **67g** |
| | 120 | 159 | 159 | 39 | |

| | 160 | 159 | 121 | 120 | 39 | 38 | |
|---|---|---|---|---|---|---|---|
| 1 | 16,0 | 15,9 | 12,1 | 12,0 | 3,9 | 3,8 | 1 |
| 2 | 32,0 | 31,8 | 24,2 | 24,0 | 7,8 | 7,6 | 2 |
| 3 | 48,0 | 47,7 | 36,3 | 36,0 | 11,7 | 11,4 | 3 |
| 4 | 64,0 | 63,6 | 48,4 | 48,0 | 15,6 | 15,2 | 4 |
| 5 | 80,0 | 79,5 | 60,5 | 60,0 | 19,5 | 19,0 | 5 |
| 6 | 96,0 | 95,4 | 72,6 | 72,0 | 23,4 | 22,8 | 6 |
| 7 | 112,0 | 111,3 | 84,7 | 84,0 | 27,3 | 26,6 | 7 |
| 8 | 128,0 | 127,2 | 96,8 | 96,0 | 31,2 | 30,4 | 8 |
| 9 | 144,0 | 143,1 | 108,9 | 108,0 | 35,1 | 34,2 | 9 |

| **32g** | 121 | 160 | 160 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.75** | **0.24** | **9.93** | |
| **80 oo** | 26067 | 29957 | 70043 | 96110 | **20 oo** |
| 10 | 26187 | 30116 | 69884 | 96071 | 90 |
| 20 | 26308 | 30275 | 69725 | 96032 | 80 |
| 30 | 26428 | 30434 | 69566 | 95994 | 70 |
| 40 | 26548 | 30593 | 69407 | 95955 | 60 |
| 50 | 26669 | 30752 | 69248 | 95917 | 50 |
| 60 | 26789 | 30911 | 69089 | 95878 | 40 |
| 70 | 26910 | 31071 | 68929 | 95839 | 30 |
| 80 | 27030 | 31230 | 68770 | 95801 | 20 |
| 90 | 27151 | 31389 | 68611 | 95762 | 10 |
| **81 oo** | 27271 | 31548 | 68452 | 95723 | **19 oo** |
| 10 | 27392 | 31707 | 68293 | 95685 | 90 |
| 20 | 27512 | 31866 | 68134 | 95646 | 80 |
| 30 | 27632 | 32025 | 67975 | 95607 | 70 |
| 40 | 27753 | 32184 | 67816 | 95569 | 60 |
| 50 | 27873 | 32343 | 67657 | 95530 | 50 |
| 60 | 27994 | 32502 | 67498 | 95491 | 40 |
| 70 | 28114 | 32661 | 67339 | 95453 | 30 |
| 80 | 28235 | 32820 | 67180 | 95414 | 20 |
| 90 | 28355 | 32979 | 67021 | 95376 | 10 |
| **82 oo** | 28475 | 33138 | 66862 | 95337 | **18 oo** |
| 10 | 28596 | 33297 | 66703 | 95298 | 90 |
| 20 | 28716 | 33457 | 66543 | 95260 | 80 |
| 30 | 28836 | 33616 | 66384 | 95221 | 70 |
| 40 | 28957 | 33775 | 66225 | 95182 | 60 |
| 50 | 29077 | 33934 | 66066 | 95144 | 50 |
| 60 | 29198 | 34093 | 65907 | 95105 | 40 |
| 70 | 29318 | 34252 | 65748 | 95066 | 30 |
| 80 | 29438 | 34411 | 65589 | 95028 | 20 |
| 90 | 29559 | 34570 | 65430 | 94989 | 10 |
| **83 oo** | 29679 | 34729 | 65271 | 94950 | **17 oo** |
| 10 | 29799 | 34888 | 65112 | 94912 | 90 |
| 20 | 29920 | 35047 | 64953 | 94873 | 80 |
| 30 | 30040 | 35206 | 64794 | 94834 | 70 |
| 40 | 30160 | 35365 | 64635 | 94796 | 60 |
| 50 | 30281 | 35524 | 64476 | 94757 | 50 |
| 60 | 30401 | 35683 | 64317 | 94718 | 40 |
| 70 | 30521 | 35842 | 64158 | 94680 | 30 |
| 80 | 30642 | 36001 | 63999 | 94641 | 20 |
| 90 | 30762 | 36160 | 63840 | 94602 | 10 |
| **84 oo** | 30882 | 36319 | 63681 | 94563 | **16 oo** |
| 10 | 31003 | 36478 | 63522 | 94525 | 90 |
| 20 | 31123 | 36637 | 63363 | 94486 | 80 |
| 30 | 31243 | 36796 | 63204 | 94447 | 70 |
| 40 | 31363 | 36955 | 63045 | 94409 | 60 |
| 50 | 31484 | 37114 | 62886 | 94370 | 50 |
| 60 | 31604 | 37273 | 62727 | 94331 | 40 |
| 70 | 31724 | 37432 | 62568 | 94293 | 30 |
| 80 | 31844 | 37591 | 62409 | 94254 | 20 |
| 90 | 31965 | 37750 | 62250 | 94215 | 10 |
| **85 oo** | 32085 | 37908 | 62092 | 94177 | **15 oo** |
| | **9.69** | **9.75** | **0.24** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **67g** |
| | 120 | 158 | 158 | 39 | |

| **32g** | 121 | 159 | 159 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.75** | **0.24** | **9.93** | |
| **85 oo** | 32085 | 37908 | 62092 | 94177 | **15 oo** |
| 10 | 32205 | 38067 | 61933 | 94138 | 90 |
| 20 | 32326 | 38226 | 61774 | 94099 | 80 |
| 30 | 32446 | 38385 | 61615 | 94060 | 70 |
| 40 | 32566 | 38544 | 61456 | 94022 | 60 |
| 50 | 32686 | 38703 | 61297 | 93983 | 50 |
| 60 | 32806 | 38862 | 61138 | 93944 | 40 |
| 70 | 32927 | 39021 | 60979 | 93906 | 30 |
| 80 | 33047 | 39180 | 60820 | 93867 | 20 |
| 90 | 33167 | 39339 | 60661 | 93828 | 10 |
| **86 oo** | 33287 | 39498 | 60502 | 93789 | **14 oo** |
| 10 | 33408 | 39657 | 60343 | 93751 | 90 |
| 20 | 33528 | 39816 | 60184 | 93712 | 80 |
| 30 | 33648 | 39975 | 60025 | 93673 | 70 |
| 40 | 33768 | 40134 | 59866 | 93635 | 60 |
| 50 | 33888 | 40292 | 59708 | 93596 | 50 |
| 60 | 34009 | 40451 | 59549 | 93557 | 40 |
| 70 | 34129 | 40610 | 59390 | 93518 | 30 |
| 80 | 34249 | 40769 | 59231 | 93480 | 20 |
| 90 | 34369 | 40928 | 59072 | 93441 | 10 |
| **87 oo** | 34489 | 41087 | 58913 | 93402 | **13 oo** |
| 10 | 34609 | 41246 | 58754 | 93364 | 90 |
| 20 | 34730 | 41405 | 58595 | 93325 | 80 |
| 30 | 34850 | 41564 | 58436 | 93286 | 70 |
| 40 | 34970 | 41723 | 58277 | 93247 | 60 |
| 50 | 35090 | 41881 | 58119 | 93209 | 50 |
| 60 | 35210 | 42040 | 57960 | 93170 | 40 |
| 70 | 35330 | 42199 | 57801 | 93131 | 30 |
| 80 | 35451 | 42358 | 57642 | 93092 | 20 |
| 90 | 35571 | 42517 | 57483 | 93054 | 10 |
| **88 oo** | 35691 | 42676 | 57324 | 93015 | **12 oo** |
| 10 | 35811 | 42835 | 57165 | 92976 | 90 |
| 20 | 35931 | 42994 | 57006 | 92937 | 80 |
| 30 | 36051 | 43152 | 56848 | 92899 | 70 |
| 40 | 36171 | 43311 | 56689 | 92860 | 60 |
| 50 | 36291 | 43470 | 56530 | 92821 | 50 |
| 60 | 36411 | 43629 | 56371 | 92782 | 40 |
| 70 | 36532 | 43788 | 56212 | 92744 | 30 |
| 80 | 36652 | 43947 | 56053 | 92705 | 20 |
| 90 | 36772 | 44105 | 55895 | 92666 | 10 |
| **89 oo** | 36892 | 44264 | 55736 | 92627 | **11 oo** |
| 10 | 37012 | 44423 | 55577 | 92589 | 90 |
| 20 | 37132 | 44582 | 55418 | 92550 | 80 |
| 30 | 37252 | 44741 | 55259 | 92511 | 70 |
| 40 | 37372 | 44900 | 55100 | 92472 | 60 |
| 50 | 37492 | 45058 | 54942 | 92434 | 50 |
| 60 | 37612 | 45217 | 54783 | 92395 | 40 |
| 70 | 37732 | 45376 | 54624 | 92356 | 30 |
| 80 | 37852 | 45535 | 54465 | 92317 | 20 |
| 90 | 37972 | 45694 | 54306 | 92279 | 10 |
| **90 oo** | 38092 | 45853 | 54147 | 92240 | **10 oo** |
| | **9.69** | **9.75** | **0.24** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **67g** |
| | 120 | 158 | 158 | 39 | |

| | 160 | 159 | 158 | 121 | 120 | 39 | 38 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 16,0 | 15,9 | 15,8 | 12,1 | 12,0 | 3,9 | 3,8 | 1 |
| 2 | 32,0 | 31,8 | 31,6 | 24,2 | 24,0 | 7,8 | 7,6 | 2 |
| 3 | 48,0 | 47,7 | 47,4 | 36,3 | 36,0 | 11,7 | 11,4 | 3 |
| 4 | 64,0 | 63,6 | 63,2 | 48,4 | 48,0 | 15,6 | 15,2 | 4 |
| 5 | 80,0 | 79,5 | 79,0 | 60,5 | 60,0 | 19,5 | 19,0 | 5 |
| 6 | 96,0 | 95,4 | 94,8 | 72,6 | 72,0 | 23,4 | 22,8 | 6 |
| 7 | 112,0 | 111,3 | 110,6 | 84,7 | 84,0 | 27,3 | 26,6 | 7 |
| 8 | 128,0 | 127,2 | 126,4 | 96,8 | 96,0 | 31,2 | 30,4 | 8 |
| 9 | 144,0 | 143,1 | 142,2 | 108,9 | 108,0 | 35,1 | 34,2 | 9 |

| 32g | 121 | 159 | 159 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.75** | **0.24** | **9.93** | |
| **90 oo** | 38092 | 45853 | 54147 | 92240 | **10 oo** |
| 10 | 38212 | 46011 | 53989 | 92201 | 90 |
| 20 | 38332 | 46170 | 53830 | 92162 | 80 |
| 30 | 38453 | 46329 | 53671 | 92124 | 70 |
| 40 | 38573 | 46488 | 53512 | 92085 | 60 |
| 50 | 38693 | 46647 | 53353 | 92046 | 50 |
| 60 | 38813 | 46805 | 53195 | 92007 | 40 |
| 70 | 38933 | 46964 | 53036 | 91968 | 30 |
| 80 | 39053 | 47123 | 52877 | 91930 | 20 |
| 90 | 39173 | 47282 | 52718 | 91891 | 10 |
| **91 oo** | 39293 | 47440 | 52560 | 91852 | **09 oo** |
| 10 | 39413 | 47599 | 52401 | 91813 | 90 |
| 20 | 39533 | 47758 | 52242 | 91775 | 80 |
| 30 | 39653 | 47917 | 52083 | 91736 | 70 |
| 40 | 39773 | 48076 | 51924 | 91697 | 60 |
| 50 | 39892 | 48234 | 51766 | 91658 | 50 |
| 60 | 40012 | 48393 | 51607 | 91619 | 40 |
| 70 | 40132 | 48552 | 51448 | 91581 | 30 |
| 80 | 40252 | 48711 | 51289 | 91542 | 20 |
| 90 | 40372 | 48869 | 51131 | 91503 | 10 |
| **92 oo** | 40492 | 49028 | 50972 | 91464 | **08 oo** |
| 10 | 40612 | 49187 | 50813 | 91425 | 90 |
| 20 | 40732 | 49346 | 50654 | 91387 | 80 |
| 30 | 40852 | 49504 | 50496 | 91348 | 70 |
| 40 | 40972 | 49663 | 50337 | 91309 | 60 |
| 50 | 41092 | 49822 | 50178 | 91270 | 50 |
| 60 | 41212 | 49981 | 50019 | 91231 | 40 |
| 70 | 41332 | 50139 | 49861 | 91193 | 30 |
| 80 | 41452 | 50298 | 49702 | 91154 | 20 |
| 90 | 41572 | 50457 | 49543 | 91115 | 10 |
| **93 oo** | 41692 | 50615 | 49385 | 91076 | **07 oo** |
| 10 | 41811 | 50774 | 49226 | 91037 | 90 |
| 20 | 41931 | 50933 | 49067 | 90999 | 80 |
| 30 | 42051 | 51092 | 48908 | 90960 | 70 |
| 40 | 42171 | 51250 | 48750 | 90921 | 60 |
| 50 | 42291 | 51409 | 48591 | 90882 | 50 |
| 60 | 42411 | 51568 | 48432 | 90843 | 40 |
| 70 | 42531 | 51726 | 48274 | 90804 | 30 |
| 80 | 42651 | 51885 | 48115 | 90766 | 20 |
| 90 | 42771 | 52044 | 47956 | 90727 | 10 |
| **94 oo** | 42890 | 52202 | 47798 | 90688 | **06 oo** |
| 10 | 43010 | 52361 | 47639 | 90649 | 90 |
| 20 | 43130 | 52520 | 47480 | 90610 | 80 |
| 30 | 43250 | 52679 | 47321 | 90571 | 70 |
| 40 | 43370 | 52837 | 47163 | 90533 | 60 |
| 50 | 43490 | 52996 | 47004 | 90494 | 50 |
| 60 | 43610 | 53155 | 46845 | 90455 | 40 |
| 70 | 43729 | 53313 | 46687 | 90416 | 30 |
| 80 | 43849 | 53472 | 46528 | 90377 | 20 |
| 90 | 43969 | 53631 | 46369 | 90338 | 10 |
| **95 oo** | 44089 | 53789 | 46211 | 90300 | **05 oo** |
| | **9.69** | **9.75** | **0.24** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **67g** |
| | 119 | 158 | 158 | 39 | |

| 32g | 120 | 159 | 159 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.75** | **0.24** | **9.93** | |
| **95 oo** | 44089 | 53789 | 46211 | 90300 | **05 oo** |
| 10 | 44209 | 53948 | 46052 | 90261 | 90 |
| 20 | 44328 | 54107 | 45893 | 90222 | 80 |
| 30 | 44448 | 54265 | 45735 | 90183 | 70 |
| 40 | 44568 | 54424 | 45576 | 90144 | 60 |
| 50 | 44688 | 54582 | 45418 | 90105 | 50 |
| 60 | 44808 | 54741 | 45259 | 90067 | 40 |
| 70 | 44927 | 54900 | 45100 | 90028 | 30 |
| 80 | 45047 | 55058 | 44942 | 89989 | 20 |
| 90 | 45167 | 55217 | 44783 | 89950 | 10 |
| **96 oo** | 45287 | 55376 | 44624 | 89911 | **04 oo** |
| 10 | 45407 | 55534 | 44466 | 89872 | 90 |
| 20 | 45526 | 55693 | 44307 | 89833 | 80 |
| 30 | 45646 | 55852 | 44148 | 89795 | 70 |
| 40 | 45766 | 56010 | 43990 | 89756 | 60 |
| 50 | 45886 | 56169 | 43831 | 89717 | 50 |
| 60 | 46005 | 56327 | 43673 | 89678 | 40 |
| 70 | 46125 | 56486 | 43514 | 89639 | 30 |
| 80 | 46245 | 56645 | 43355 | 89600 | 20 |
| 90 | 46365 | 56803 | 43197 | 89561 | 10 |
| **97 oo** | 46484 | 56962 | 43038 | 89523 | **03 oo** |
| 10 | 46604 | 57120 | 42880 | 89484 | 90 |
| 20 | 46724 | 57279 | 42721 | 89445 | 80 |
| 30 | 46844 | 57438 | 42562 | 89406 | 70 |
| 40 | 46963 | 57596 | 42404 | 89367 | 60 |
| 50 | 47083 | 57755 | 42245 | 89328 | 50 |
| 60 | 47203 | 57913 | 42087 | 89289 | 40 |
| 70 | 47322 | 58072 | 41928 | 89250 | 30 |
| 80 | 47442 | 58231 | 41769 | 89212 | 20 |
| 90 | 47562 | 58389 | 41611 | 89173 | 10 |
| **98 oo** | 47681 | 58548 | 41452 | 89134 | **02 oo** |
| 10 | 47801 | 58706 | 41294 | 89095 | 90 |
| 20 | 47921 | 58865 | 41135 | 89056 | 80 |
| 30 | 48040 | 59023 | 40977 | 89017 | 70 |
| 40 | 48160 | 59182 | 40818 | 88978 | 60 |
| 50 | 48280 | 59340 | 40660 | 88939 | 50 |
| 60 | 48399 | 59499 | 40501 | 88900 | 40 |
| 70 | 48519 | 59658 | 40342 | 88862 | 30 |
| 80 | 48639 | 59816 | 40184 | 88823 | 20 |
| 90 | 48758 | 59975 | 40025 | 88784 | 10 |
| **99 oo** | 48878 | 60133 | 39867 | 88745 | **01 oo** |
| 10 | 48998 | 60292 | 39708 | 88706 | 90 |
| 20 | 49117 | 60450 | 39550 | 88667 | 80 |
| 30 | 49237 | 60609 | 39391 | 88628 | 70 |
| 40 | 49357 | 60767 | 39233 | 88589 | 60 |
| 50 | 49476 | 60926 | 39074 | 88550 | 50 |
| 60 | 49596 | 61084 | 38916 | 88511 | 40 |
| 70 | 49715 | 61243 | 38757 | 88473 | 30 |
| 80 | 49835 | 61401 | 38599 | 88434 | 20 |
| 90 | 49955 | 61560 | 38440 | 88395 | 10 |
| **100 oo** | 50074 | 61718 | 38282 | 88356 | **00 oo** |
| | **9.69** | **9.75** | **0.24** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **67g** |
| | 119 | 158 | 158 | 39 | |

| | 159 | 158 | 121 | 120 | 119 | 39 | 38 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,9 | 15,8 | 12,1 | 12,0 | 11,9 | 3,9 | 3,8 | 1 |
| 2 | 31,8 | 31,6 | 24,2 | 24,0 | 23,8 | 7,8 | 7,6 | 2 |
| 3 | 47,7 | 47,4 | 36,3 | 36,0 | 35,7 | 11,7 | 11,4 | 3 |
| 4 | 63,6 | 63,2 | 48,4 | 48,0 | 47,6 | 15,6 | 15,2 | 4 |
| 5 | 79,5 | 79,0 | 60,5 | 60,0 | 59,5 | 19,5 | 19,0 | 5 |
| 6 | 95,4 | 94,8 | 72,6 | 72,0 | 71,4 | 23,4 | 22,8 | 6 |
| 7 | 111,3 | 110,6 | 84,7 | 84,0 | 83,3 | 27,3 | 26,6 | 7 |
| 8 | 127,2 | 126,4 | 96,8 | 96,0 | 95,2 | 31,2 | 30,4 | 8 |
| 9 | 143,1 | 142,2 | 108,9 | 108,0 | 107,1 | 35,1 | 34,2 | 9 |

| 33g | 120 | 159 | 159 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.75** | **0.24** | **9.93** | |
| **00 oo** | 50074 | 61718 | 38282 | 88356 | **100 oo** |
| 10 | 50194 | 61877 | 38123 | 88317 | 90 |
| 20 | 50314 | 62036 | 37964 | 88278 | 80 |
| 30 | 50433 | 62194 | 37806 | 88239 | 70 |
| 40 | 50553 | 62353 | 37647 | 88200 | 60 |
| 50 | 50672 | 62511 | 37489 | 88161 | 50 |
| 60 | 50792 | 62670 | 37330 | 88122 | 40 |
| 70 | 50911 | 62828 | 37172 | 88083 | 30 |
| 80 | 51031 | 62986 | 37014 | 88044 | 20 |
| 90 | 51151 | 63145 | 36855 | 88006 | 10 |
| **01 oo** | 51270 | 63303 | 36697 | 87967 | **99 oo** |
| 10 | 51390 | 63462 | 36538 | 87928 | 90 |
| 20 | 51509 | 63620 | 36380 | 87889 | 80 |
| 30 | 51629 | 63779 | 36221 | 87850 | 70 |
| 40 | 51748 | 63937 | 36063 | 87811 | 60 |
| 50 | 51868 | 64096 | 35904 | 87772 | 50 |
| 60 | 51987 | 64254 | 35746 | 87733 | 40 |
| 70 | 52107 | 64413 | 35587 | 87694 | 30 |
| 80 | 52226 | 64571 | 35429 | 87655 | 20 |
| 90 | 52346 | 64730 | 35270 | 87616 | 10 |
| **02 oo** | 52465 | 64888 | 35112 | 87577 | **98 oo** |
| 10 | 52585 | 65047 | 34953 | 87538 | 90 |
| 20 | 52704 | 65205 | 34795 | 87499 | 80 |
| 30 | 52824 | 65363 | 34637 | 87460 | 70 |
| 40 | 52943 | 65522 | 34478 | 87422 | 60 |
| 50 | 53063 | 65680 | 34320 | 87383 | 50 |
| 60 | 53182 | 65839 | 34161 | 87344 | 40 |
| 70 | 53302 | 65997 | 34003 | 87305 | 30 |
| 80 | 53421 | 66156 | 33844 | 87266 | 20 |
| 90 | 53541 | 66314 | 33686 | 87227 | 10 |
| **03 oo** | 53660 | 66473 | 33527 | 87188 | **97 oo** |
| 10 | 53780 | 66631 | 33369 | 87149 | 90 |
| 20 | 53899 | 66789 | 33211 | 87110 | 80 |
| 30 | 54019 | 66948 | 33052 | 87071 | 70 |
| 40 | 54138 | 67106 | 32894 | 87032 | 60 |
| 50 | 54258 | 67265 | 32735 | 86993 | 50 |
| 60 | 54377 | 67423 | 32577 | 86954 | 40 |
| 70 | 54497 | 67581 | 32419 | 86915 | 30 |
| 80 | 54616 | 67740 | 32260 | 86876 | 20 |
| 90 | 54735 | 67898 | 32102 | 86837 | 10 |
| **04 oo** | 54855 | 68057 | 31943 | 86798 | **96 oo** |
| 10 | 54974 | 68215 | 31785 | 86759 | 90 |
| 20 | 55094 | 68373 | 31627 | 86720 | 80 |
| 30 | 55213 | 68532 | 31468 | 86681 | 70 |
| 40 | 55333 | 68690 | 31310 | 86642 | 60 |
| 50 | 55452 | 68849 | 31151 | 86603 | 50 |
| 60 | 55571 | 69007 | 30993 | 86564 | 40 |
| 70 | 55691 | 69165 | 30835 | 86525 | 30 |
| 80 | 55810 | 69324 | 30676 | 86486 | 20 |
| 90 | 55929 | 69482 | 30518 | 86447 | 10 |
| **05 oo** | 56049 | 69640 | 30360 | 86408 | **95 oo** |
| | **9.69** | **9.75** | **0.24** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 119 | 158 | 158 | 39 | 66g |

| 33g | 120 | 159 | 159 | 38 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.75** | **0.24** | **9.93** | |
| **05 oo** | 56049 | 69640 | 30360 | 86408 | **95 oo** |
| 10 | 56168 | 69799 | 30201 | 86369 | 90 |
| 20 | 56288 | 69957 | 30043 | 86331 | 80 |
| 30 | 56407 | 70115 | 29885 | 86292 | 70 |
| 40 | 56526 | 70274 | 29726 | 86253 | 60 |
| 50 | 56646 | 70432 | 29568 | 86214 | 50 |
| 60 | 56765 | 70591 | 29409 | 86175 | 40 |
| 70 | 56884 | 70749 | 29251 | 86136 | 30 |
| 80 | 57004 | 70907 | 29093 | 86097 | 20 |
| 90 | 57123 | 71066 | 28934 | 86058 | 10 |
| **06 oo** | 57242 | 71224 | 28776 | 86019 | **94 oo** |
| 10 | 57362 | 71382 | 28618 | 85980 | 90 |
| 20 | 57481 | 71541 | 28459 | 85941 | 80 |
| 30 | 57600 | 71699 | 28301 | 85902 | 70 |
| 40 | 57720 | 71857 | 28143 | 85863 | 60 |
| 50 | 57839 | 72016 | 27984 | 85824 | 50 |
| 60 | 57958 | 72174 | 27826 | 85785 | 40 |
| 70 | 58078 | 72332 | 27668 | 85746 | 30 |
| 80 | 58197 | 72490 | 27510 | 85707 | 20 |
| 90 | 58316 | 72649 | 27351 | 85668 | 10 |
| **07 oo** | 58436 | 72807 | 27193 | 85629 | **93 oo** |
| 10 | 58555 | 72965 | 27035 | 85590 | 90 |
| 20 | 58674 | 73124 | 26876 | 85551 | 80 |
| 30 | 58794 | 73282 | 26718 | 85512 | 70 |
| 40 | 58913 | 73440 | 26560 | 85472 | 60 |
| 50 | 59032 | 73599 | 26401 | 85433 | 50 |
| 60 | 59151 | 73757 | 26243 | 85394 | 40 |
| 70 | 59271 | 73915 | 26085 | 85355 | 30 |
| 80 | 59390 | 74073 | 25927 | 85316 | 20 |
| 90 | 59509 | 74232 | 25768 | 85277 | 10 |
| **08 oo** | 59628 | 74390 | 25610 | 85238 | **92 oo** |
| 10 | 59748 | 74548 | 25452 | 85199 | 90 |
| 20 | 59867 | 74707 | 25293 | 85160 | 80 |
| 30 | 59986 | 74865 | 25135 | 85121 | 70 |
| 40 | 60105 | 75023 | 24977 | 85082 | 60 |
| 50 | 60225 | 75181 | 24819 | 85043 | 50 |
| 60 | 60344 | 75340 | 24660 | 85004 | 40 |
| 70 | 60463 | 75498 | 24502 | 84965 | 30 |
| 80 | 60582 | 75656 | 24344 | 84926 | 20 |
| 90 | 60701 | 75814 | 24186 | 84887 | 10 |
| **09 oo** | 60821 | 75973 | 24027 | 84848 | **91 oo** |
| 10 | 60940 | 76131 | 23869 | 84809 | 90 |
| 20 | 61059 | 76289 | 23711 | 84770 | 80 |
| 30 | 61178 | 76447 | 23553 | 84731 | 70 |
| 40 | 61297 | 76606 | 23394 | 84692 | 60 |
| 50 | 61417 | 76764 | 23236 | 84653 | 50 |
| 60 | 61536 | 76922 | 23078 | 84614 | 40 |
| 70 | 61655 | 77080 | 22920 | 84575 | 30 |
| 80 | 61774 | 77239 | 22761 | 84536 | 20 |
| 90 | 61893 | 77397 | 22603 | 84497 | 10 |
| **10 oo** | 62013 | 77555 | 22445 | 84458 | **90 oo** |
| | **9.69** | **9.75** | **0.24** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 119 | 158 | 158 | 40 | 66g |

| | 159 | 158 | 120 | 119 | 40 | 39 | 38 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,9 | 15,8 | 12,0 | 11,9 | 4,0 | 3,9 | 3,8 | 1 |
| 2 | 31,8 | 31,6 | 24,0 | 23,8 | 8,0 | 7,8 | 7,6 | 2 |
| 3 | 47,7 | 47,4 | 36,0 | 35,7 | 12,0 | 11,7 | 11,4 | 3 |
| 4 | 63,6 | 63,2 | 48,0 | 47,6 | 16,0 | 15,6 | 15,2 | 4 |
| 5 | 79,5 | 79,0 | 60,0 | 59,5 | 20,0 | 19,5 | 19,0 | 5 |
| 6 | 95,4 | 94,8 | 72,0 | 71,4 | 24,0 | 23,4 | 22,8 | 6 |
| 7 | 111,3 | 110,6 | 84,0 | 83,3 | 28,0 | 27,3 | 26,6 | 7 |
| 8 | 127,2 | 126,4 | 96,0 | 95,2 | 32,0 | 31,2 | 30,4 | 8 |
| 9 | 143,1 | 142,2 | 108,0 | 107,1 | 36,0 | 35,1 | 34,2 | 9 |

| 33g | 120 | 159 | 159 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.75** | **0.24** | **9.93** | |
| **10 oo** | 62013 | 77555 | 22445 | 84458 | **90 oo** |
| 10 | 62132 | 77713 | 22287 | 84419 | 90 |
| 20 | 62251 | 77871 | 22129 | 84379 | 80 |
| 30 | 62370 | 78030 | 21970 | 84340 | 70 |
| 40 | 62489 | 78188 | 21812 | 84301 | 60 |
| 50 | 62608 | 78346 | 21654 | 84262 | 50 |
| 60 | 62727 | 78504 | 21496 | 84223 | 40 |
| 70 | 62847 | 78662 | 21338 | 84184 | 30 |
| 80 | 62966 | 78821 | 21179 | 84145 | 20 |
| 90 | 63085 | 78979 | 21021 | 84106 | 10 |
| **11 oo** | 63204 | 79137 | 20863 | 84067 | **89 oo** |
| 10 | 63323 | 79295 | 20705 | 84028 | 90 |
| 20 | 63442 | 79453 | 20547 | 83989 | 80 |
| 30 | 63561 | 79612 | 20388 | 83950 | 70 |
| 40 | 63680 | 79770 | 20230 | 83911 | 60 |
| 50 | 63800 | 79928 | 20072 | 83872 | 50 |
| 60 | 63919 | 80086 | 19914 | 83833 | 40 |
| 70 | 64038 | 80244 | 19756 | 83793 | 30 |
| 80 | 64157 | 80402 | 19598 | 83754 | 20 |
| 90 | 64276 | 80561 | 19439 | 83715 | 10 |
| **12 oo** | 64395 | 80719 | 19281 | 83676 | **88 oo** |
| 10 | 64514 | 80877 | 19123 | 83637 | 90 |
| 20 | 64633 | 81035 | 18965 | 83598 | 80 |
| 30 | 64752 | 81193 | 18807 | 83559 | 70 |
| 40 | 64871 | 81351 | 18649 | 83520 | 60 |
| 50 | 64990 | 81510 | 18490 | 83481 | 50 |
| 60 | 65109 | 81668 | 18332 | 83442 | 40 |
| 70 | 65228 | 81826 | 18174 | 83403 | 30 |
| 80 | 65347 | 81984 | 18016 | 83364 | 20 |
| 90 | 65467 | 82142 | 17858 | 83324 | 10 |
| **13 oo** | 65586 | 82300 | 17700 | 83285 | **87 oo** |
| 10 | 65705 | 82458 | 17542 | 83246 | 90 |
| 20 | 65824 | 82616 | 17384 | 83207 | 80 |
| 30 | 65943 | 82775 | 17225 | 83168 | 70 |
| 40 | 66062 | 82933 | 17067 | 83129 | 60 |
| 50 | 66181 | 83091 | 16909 | 83090 | 50 |
| 60 | 66300 | 83249 | 16751 | 83051 | 40 |
| 70 | 66419 | 83407 | 16593 | 83012 | 30 |
| 80 | 66538 | 83565 | 16435 | 82973 | 20 |
| 90 | 66657 | 83723 | 16277 | 82933 | 10 |
| **14 oo** | 66776 | 83881 | 16119 | 82894 | **86 oo** |
| 10 | 66895 | 84039 | 15961 | 82855 | 90 |
| 20 | 67014 | 84198 | 15802 | 82816 | 80 |
| 30 | 67133 | 84356 | 15644 | 82777 | 70 |
| 40 | 67252 | 84514 | 15486 | 82738 | 60 |
| 50 | 67371 | 84672 | 15328 | 82699 | 50 |
| 60 | 67490 | 84830 | 15170 | 82660 | 40 |
| 70 | 67609 | 84988 | 15012 | 82620 | 30 |
| 80 | 67727 | 85146 | 14854 | 82581 | 20 |
| 90 | 67846 | 85304 | 14696 | 82542 | 10 |
| **15 oo** | 67965 | 85462 | 14538 | 82503 | **85 oo** |
| | **9.69** | **9.75** | **0.24** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 118 | 158 | 158 | 40 | 66g |

| 33g | 119 | 159 | 159 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.75** | **0.24** | **9.93** | |
| **15 oo** | 67965 | 85462 | 14538 | 82503 | **85 oo** |
| 10 | 68084 | 85620 | 14380 | 82464 | 90 |
| 20 | 68203 | 85778 | 14222 | 82425 | 80 |
| 30 | 68322 | 85936 | 14064 | 82386 | 70 |
| 40 | 68441 | 86095 | 13905 | 82347 | 60 |
| 50 | 68560 | 86253 | 13747 | 82307 | 50 |
| 60 | 68679 | 86411 | 13589 | 82268 | 40 |
| 70 | 68798 | 86569 | 13431 | 82229 | 30 |
| 80 | 68917 | 86727 | 13273 | 82190 | 20 |
| 90 | 69036 | 86885 | 13115 | 82151 | 10 |
| **16 oo** | 69155 | 87043 | 12957 | 82112 | **84 oo** |
| 10 | 69274 | 87201 | 12799 | 82073 | 90 |
| 20 | 69392 | 87359 | 12641 | 82034 | 80 |
| 30 | 69511 | 87517 | 12483 | 81994 | 70 |
| 40 | 69630 | 87675 | 12325 | 81955 | 60 |
| 50 | 69749 | 87833 | 12167 | 81916 | 50 |
| 60 | 69868 | 87991 | 12009 | 81877 | 40 |
| 70 | 69987 | 88149 | 11851 | 81838 | 30 |
| 80 | 70106 | 88307 | 11693 | 81799 | 20 |
| 90 | 70225 | 88465 | 11535 | 81760 | 10 |
| **17 oo** | 70343 | 88623 | 11377 | 81720 | **83 oo** |
| 10 | 70462 | 88781 | 11219 | 81681 | 90 |
| 20 | 70581 | 88939 | 11061 | 81642 | 80 |
| 30 | 70700 | 89097 | 10903 | 81603 | 70 |
| 40 | 70819 | 89255 | 10745 | 81564 | 60 |
| 50 | 70938 | 89413 | 10587 | 81525 | 50 |
| 60 | 71057 | 89571 | 10429 | 81485 | 40 |
| 70 | 71175 | 89729 | 10271 | 81446 | 30 |
| 80 | 71294 | 89887 | 10113 | 81407 | 20 |
| 90 | 71413 | 90045 | 09955 | 81368 | 10 |
| **18 oo** | 71532 | 90203 | 09797 | 81329 | **82 oo** |
| 10 | 71651 | 90361 | 09639 | 81290 | 90 |
| 20 | 71770 | 90519 | 09481 | 81250 | 80 |
| 30 | 71888 | 90677 | 09323 | 81211 | 70 |
| 40 | 72007 | 90835 | 09165 | 81172 | 60 |
| 50 | 72126 | 90993 | 09007 | 81133 | 50 |
| 60 | 72245 | 91151 | 08849 | 81094 | 40 |
| 70 | 72364 | 91309 | 08691 | 81055 | 30 |
| 80 | 72482 | 91467 | 08533 | 81015 | 20 |
| 90 | 72601 | 91625 | 08375 | 80976 | 10 |
| **19 oo** | 72720 | 91783 | 08217 | 80937 | **81 oo** |
| 10 | 72839 | 91941 | 08059 | 80898 | 90 |
| 20 | 72957 | 92099 | 07901 | 80859 | 80 |
| 30 | 73076 | 92257 | 07743 | 80819 | 70 |
| 40 | 73195 | 92415 | 07585 | 80780 | 60 |
| 50 | 73314 | 92573 | 07427 | 80741 | 50 |
| 60 | 73432 | 92731 | 07269 | 80702 | 40 |
| 70 | 73551 | 92888 | 07112 | 80663 | 30 |
| 80 | 73670 | 93046 | 06954 | 80624 | 20 |
| 90 | 73789 | 93204 | 06796 | 80584 | 10 |
| **20 oo** | 73907 | 93362 | 06638 | 80545 | **80 oo** |
| | **9.69** | **9.75** | **0.24** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 118 | 157 | 157 | 40 | 66g |

| | 159 | 158 | 157 | 120 | 119 | 118 | 40 | 39 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 15,9 | 15,8 | 15,7 | 12,0 | 11,9 | 11,8 | 4,0 | 3,9 | 1 |
| 2 | 31,8 | 31,6 | 31,4 | 24,0 | 23,8 | 23,6 | 8,0 | 7,8 | 2 |
| 3 | 47,7 | 47,4 | 47,1 | 36,0 | 35,7 | 35,4 | 12,0 | 11,7 | 3 |
| 4 | 63,6 | 63,2 | 62,8 | 48,0 | 47,6 | 47,2 | 16,0 | 15,6 | 4 |
| 5 | 79,5 | 79,0 | 78,5 | 60,0 | 59,5 | 59,0 | 20,0 | 19,5 | 5 |
| 6 | 95,4 | 94,8 | 94,2 | 72,0 | 71,4 | 70,8 | 24,0 | 23,4 | 6 |
| 7 | 111,3 | 110,6 | 109,9 | 84,0 | 83,3 | 82,6 | 28,0 | 27,3 | 7 |
| 8 | 127,2 | 126,4 | 125,6 | 96,0 | 95,2 | 94,4 | 32,0 | 31,2 | 8 |
| 9 | 143,1 | 142,2 | 141,3 | 108,0 | 107,1 | 106,2 | 36,0 | 35,1 | 9 |

| 33g | 119 | 158 | 158 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.75** | **0.24** | **9.93** | |
| **20 oo** | 73907 | 93362 | 06638 | 80545 | **80 oo** |
| 10 | 74026 | 93520 | 06480 | 80506 | 90 |
| 20 | 74145 | 93678 | 06322 | 80467 | 80 |
| 30 | 74264 | 93836 | 06164 | 80428 | 70 |
| 40 | 74382 | 93994 | 06006 | 80388 | 60 |
| 50 | 74501 | 94152 | 05848 | 80349 | 50 |
| 60 | 74620 | 94310 | 05690 | 80310 | 40 |
| 70 | 74738 | 94468 | 05532 | 80271 | 30 |
| 80 | 74857 | 94626 | 05374 | 80232 | 20 |
| 90 | 74976 | 94784 | 05216 | 80192 | 10 |
| **21 oo** | 75094 | 94941 | 05059 | 80153 | **79 oo** |
| 10 | 75213 | 95099 | 04901 | 80114 | 90 |
| 20 | 75332 | 95257 | 04743 | 80075 | 80 |
| 30 | 75451 | 95415 | 04585 | 80035 | 70 |
| 40 | 75569 | 95573 | 04427 | 79996 | 60 |
| 50 | 75688 | 95731 | 04269 | 79957 | 50 |
| 60 | 75807 | 95889 | 04111 | 79918 | 40 |
| 70 | 75925 | 96047 | 03953 | 79879 | 30 |
| 80 | 76044 | 96205 | 03795 | 79839 | 20 |
| 90 | 76163 | 96362 | 03638 | 79800 | 10 |
| **22 oo** | 76281 | 96520 | 03480 | 79761 | **78 oo** |
| 10 | 76400 | 96678 | 03322 | 79722 | 90 |
| 20 | 76518 | 96836 | 03164 | 79682 | 80 |
| 30 | 76637 | 96994 | 03006 | 79643 | 70 |
| 40 | 76756 | 97152 | 02848 | 79604 | 60 |
| 50 | 76874 | 97310 | 02690 | 79565 | 50 |
| 60 | 76993 | 97467 | 02533 | 79526 | 40 |
| 70 | 77112 | 97625 | 02375 | 79486 | 30 |
| 80 | 77230 | 97783 | 02217 | 79447 | 20 |
| 90 | 77349 | 97941 | 02059 | 79408 | 10 |
| **23 oo** | 77467 | 98099 | 01901 | 79369 | **77 oo** |
| 10 | 77586 | 98257 | 01743 | 79329 | 90 |
| 20 | 77705 | 98414 | 01586 | 79290 | 80 |
| 30 | 77823 | 98572 | 01428 | 79251 | 70 |
| 40 | 77942 | 98730 | 01270 | 79212 | 60 |
| 50 | 78060 | 98888 | 01112 | 79172 | 50 |
| 60 | 78179 | 99046 | 00954 | 79133 | 40 |
| 70 | 78298 | 99204 | 00796 | 79094 | 30 |
| 80 | 78416 | 99361 | 00639 | 79055 | 20 |
| 90 | 78535 | 99519 | 00481 | 79015 | 10 |
| **24 oo** | 78653 | 99677 | 00323 | 78976 | **76 oo** |
| 10 | 78772 | 99835 | 00165 | 78937 | 90 |
| 20 | 78890 | 99993 | 00007 | 78898 | 80 |
| 30 | 79009 | *00151 | *99849 | 78858 | 70 |
| 40 | 79127 | *00308 | *99692 | 78819 | 60 |
| 50 | 79246 | *00466 | *99534 | 78780 | 50 |
| 60 | 79364 | *00624 | *99376 | 78741 | 40 |
| 70 | 79483 | *00782 | *99218 | 78701 | 30 |
| 80 | 79602 | *00939 | *99061 | 78662 | 20 |
| 90 | 79720 | *01097 | *98903 | 78623 | 10 |
| **25 oo** | 79839 | *01255 | *98745 | 78584 | **75 oo** |
| | **9.69** | ***9.76** | ***0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **66g** |
| | 118 | 157 | 157 | 40 | |

| 33g | 119 | 158 | 158 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.76** | **0.23** | **9.93** | |
| **25 oo** | 79839 | 01255 | 98745 | 78584 | **75 oo** |
| 10 | 79957 | 01413 | 98587 | 78544 | 90 |
| 20 | 80076 | 01571 | 98429 | 78505 | 80 |
| 30 | 80194 | 01728 | 98272 | 78466 | 70 |
| 40 | 80313 | 01886 | 98114 | 78426 | 60 |
| 50 | 80431 | 02044 | 97956 | 78387 | 50 |
| 60 | 80550 | 02202 | 97798 | 78348 | 40 |
| 70 | 80668 | 02359 | 97641 | 78309 | 30 |
| 80 | 80787 | 02517 | 97483 | 78269 | 20 |
| 90 | 80905 | 02675 | 97325 | 78230 | 10 |
| **26 oo** | 81024 | 02833 | 97167 | 78191 | **74 oo** |
| 10 | 81142 | 02991 | 97009 | 78152 | 90 |
| 20 | 81260 | 03148 | 96852 | 78112 | 80 |
| 30 | 81379 | 03306 | 96694 | 78073 | 70 |
| 40 | 81497 | 03464 | 96536 | 78034 | 60 |
| 50 | 81616 | 03621 | 96379 | 77994 | 50 |
| 60 | 81734 | 03779 | 96221 | 77955 | 40 |
| 70 | 81853 | 03937 | 96063 | 77916 | 30 |
| 80 | 81971 | 04095 | 95905 | 77876 | 20 |
| 90 | 82090 | 04252 | 95748 | 77837 | 10 |
| **27 oo** | 82208 | 04410 | 95590 | 77798 | **73 oo** |
| 10 | 82326 | 04568 | 95432 | 77759 | 90 |
| 20 | 82445 | 04726 | 95274 | 77719 | 80 |
| 30 | 82563 | 04883 | 95117 | 77680 | 70 |
| 40 | 82682 | 05041 | 94959 | 77641 | 60 |
| 50 | 82800 | 05199 | 94801 | 77601 | 50 |
| 60 | 82919 | 05356 | 94644 | 77562 | 40 |
| 70 | 83037 | 05514 | 94486 | 77523 | 30 |
| 80 | 83155 | 05672 | 94328 | 77483 | 20 |
| 90 | 83274 | 05830 | 94170 | 77444 | 10 |
| **28 oo** | 83392 | 05987 | 94013 | 77405 | **72 oo** |
| 10 | 83511 | 06145 | 93855 | 77366 | 90 |
| 20 | 83629 | 06303 | 93697 | 77326 | 80 |
| 30 | 83747 | 06460 | 93540 | 77287 | 70 |
| 40 | 83866 | 06618 | 93382 | 77248 | 60 |
| 50 | 83984 | 06776 | 93224 | 77208 | 50 |
| 60 | 84102 | 06933 | 93067 | 77169 | 40 |
| 70 | 84221 | 07091 | 92909 | 77130 | 30 |
| 80 | 84339 | 07249 | 92751 | 77090 | 20 |
| 90 | 84457 | 07406 | 92594 | 77051 | 10 |
| **29 oo** | 84576 | 07564 | 92436 | 77012 | **71 oo** |
| 10 | 84694 | 07722 | 92278 | 76972 | 90 |
| 20 | 84812 | 07879 | 92121 | 76933 | 80 |
| 30 | 84931 | 08037 | 91963 | 76894 | 70 |
| 40 | 85049 | 08195 | 91805 | 76854 | 60 |
| 50 | 85167 | 08352 | 91648 | 76815 | 50 |
| 60 | 85286 | 08510 | 91490 | 76776 | 40 |
| 70 | 85404 | 08668 | 91332 | 76736 | 30 |
| 80 | 85522 | 08825 | 91175 | 76697 | 20 |
| 90 | 85641 | 08983 | 91017 | 76658 | 10 |
| **30 oo** | 85759 | 09141 | 90859 | 76618 | **70 oo** |
| | **9.69** | **9.76** | **0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **66g** |
| | 118 | 157 | 157 | 40 | |

| | 158 | 157 | 119 | 118 | 40 | 39 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,8 | 15,7 | 11,9 | 11,8 | 4,0 | 3,9 | 1 |
| 2 | 31,6 | 31,4 | 23,8 | 23,6 | 8,0 | 7,8 | 2 |
| 3 | 47,4 | 47,1 | 35,7 | 35,4 | 12,0 | 11,7 | 3 |
| 4 | 63,2 | 62,8 | 47,6 | 47,2 | 16,0 | 15,6 | 4 |
| 5 | 79,0 | 78,5 | 59,5 | 59,0 | 20,0 | 19,5 | 5 |
| 6 | 94,8 | 94,2 | 71,4 | 70,8 | 24,0 | 23,4 | 6 |
| 7 | 110,6 | 109,9 | 83,3 | 82,6 | 28,0 | 27,3 | 7 |
| 8 | 126,4 | 125,6 | 95,2 | 94,4 | 32,0 | 31,2 | 8 |
| 9 | 142,2 | 141,3 | 107,1 | 106,2 | 36,0 | 35,1 | 9 |

| 33g | 119 | 158 | 158 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.76** | **0.23** | **9.93** | |
| **30 oo** | 85759 | 09141 | 90859 | 76618 | **70 oo** |
| 10 | 85877 | 09298 | 90702 | 76579 | 90 |
| 20 | 85996 | 09456 | 90544 | 76540 | 80 |
| 30 | 86114 | 09614 | 90386 | 76500 | 70 |
| 40 | 86232 | 09771 | 90229 | 76461 | 60 |
| 50 | 86350 | 09929 | 90071 | 76422 | 50 |
| 60 | 86469 | 10086 | 89914 | 76382 | 40 |
| 70 | 86587 | 10244 | 89756 | 76343 | 30 |
| 80 | 86705 | 10402 | 89598 | 76304 | 20 |
| 90 | 86824 | 10559 | 89441 | 76264 | 10 |
| **31 oo** | 86942 | 10717 | 89283 | 76225 | **69 oo** |
| 10 | 87060 | 10875 | 89125 | 76186 | 90 |
| 20 | 87178 | 11032 | 88968 | 76146 | 80 |
| 30 | 87297 | 11190 | 88810 | 76107 | 70 |
| 40 | 87415 | 11347 | 88653 | 76068 | 60 |
| 50 | 87533 | 11505 | 88495 | 76028 | 50 |
| 60 | 87651 | 11663 | 88337 | 75989 | 40 |
| 70 | 87770 | 11820 | 88180 | 75949 | 30 |
| 80 | 87888 | 11978 | 88022 | 75910 | 20 |
| 90 | 88006 | 12135 | 87865 | 75871 | 10 |
| **32 oo** | 88124 | 12293 | 87707 | 75831 | **68 oo** |
| 10 | 88242 | 12450 | 87550 | 75792 | 90 |
| 20 | 88361 | 12608 | 87392 | 75753 | 80 |
| 30 | 88479 | 12766 | 87234 | 75713 | 70 |
| 40 | 88597 | 12923 | 87077 | 75674 | 60 |
| 50 | 88715 | 13081 | 86919 | 75634 | 50 |
| 60 | 88833 | 13238 | 86762 | 75595 | 40 |
| 70 | 88952 | 13396 | 86604 | 75556 | 30 |
| 80 | 89070 | 13553 | 86447 | 75516 | 20 |
| 90 | 89188 | 13711 | 86289 | 75477 | 10 |
| **33 oo** | 89306 | 13869 | 86131 | 75438 | **67 oo** |
| 10 | 89424 | 14026 | 85974 | 75398 | 90 |
| 20 | 89542 | 14184 | 85816 | 75359 | 80 |
| 30 | 89661 | 14341 | 85659 | 75319 | 70 |
| 40 | 89779 | 14499 | 85501 | 75280 | 60 |
| 50 | 89897 | 14656 | 85344 | 75241 | 50 |
| 60 | 90015 | 14814 | 85186 | 75201 | 40 |
| 70 | 90133 | 14971 | 85029 | 75162 | 30 |
| 80 | 90251 | 15129 | 84871 | 75122 | 20 |
| 90 | 90370 | 15286 | 84714 | 75083 | 10 |
| **34 oo** | 90488 | 15444 | 84556 | 75044 | **66 oo** |
| 10 | 90606 | 15601 | 84399 | 75004 | 90 |
| 20 | 90724 | 15759 | 84241 | 74965 | 80 |
| 30 | 90842 | 15917 | 84083 | 74926 | 70 |
| 40 | 90960 | 16074 | 83926 | 74886 | 60 |
| 50 | 91078 | 16232 | 83768 | 74847 | 50 |
| 60 | 91196 | 16389 | 83611 | 74807 | 40 |
| 70 | 91314 | 16547 | 83453 | 74768 | 30 |
| 80 | 91433 | 16704 | 83296 | 74728 | 20 |
| 90 | 91551 | 16862 | 83138 | 74689 | 10 |
| **35 oo** | 91669 | 17019 | 82981 | 74650 | **65 oo** |
| | **9.69** | **9.76** | **0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 66g |
| | 118 | 157 | 157 | 40 | |

| 33g | 119 | 158 | 158 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.69** | **9.76** | **0.23** | **9.93** | |
| **35 oo** | 91669 | 17019 | 82981 | 74650 | **65 oo** |
| 10 | 91787 | 17177 | 82823 | 74610 | 90 |
| 20 | 91905 | 17334 | 82666 | 74571 | 80 |
| 30 | 92023 | 17492 | 82508 | 74531 | 70 |
| 40 | 92141 | 17649 | 82351 | 74492 | 60 |
| 50 | 92259 | 17807 | 82193 | 74453 | 50 |
| 60 | 92377 | 17964 | 82036 | 74413 | 40 |
| 70 | 92495 | 18121 | 81879 | 74374 | 30 |
| 80 | 92613 | 18279 | 81721 | 74334 | 20 |
| 90 | 92731 | 18436 | 81564 | 74295 | 10 |
| **36 oo** | 92849 | 18594 | 81406 | 74256 | **64 oo** |
| 10 | 92967 | 18751 | 81249 | 74216 | 90 |
| 20 | 93085 | 18909 | 81091 | 74177 | 80 |
| 30 | 93204 | 19066 | 80934 | 74137 | 70 |
| 40 | 93322 | 19224 | 80776 | 74098 | 60 |
| 50 | 93440 | 19381 | 80619 | 74058 | 50 |
| 60 | 93558 | 19539 | 80461 | 74019 | 40 |
| 70 | 93676 | 19696 | 80304 | 73980 | 30 |
| 80 | 93794 | 19854 | 80146 | 73940 | 20 |
| 90 | 93912 | 20011 | 79989 | 73901 | 10 |
| **37 oo** | 94030 | 20168 | 79832 | 73861 | **63 oo** |
| 10 | 94148 | 20326 | 79674 | 73822 | 90 |
| 20 | 94266 | 20483 | 79517 | 73782 | 80 |
| 30 | 94384 | 20641 | 79359 | 73743 | 70 |
| 40 | 94502 | 20798 | 79202 | 73703 | 60 |
| 50 | 94620 | 20956 | 79044 | 73664 | 50 |
| 60 | 94738 | 21113 | 78887 | 73625 | 40 |
| 70 | 94856 | 21270 | 78730 | 73585 | 30 |
| 80 | 94974 | 21428 | 78572 | 73546 | 20 |
| 90 | 95091 | 21585 | 78415 | 73506 | 10 |
| **38 oo** | 95209 | 21743 | 78257 | 73467 | **62 oo** |
| 10 | 95327 | 21900 | 78100 | 73427 | 90 |
| 20 | 95445 | 22058 | 77942 | 73388 | 80 |
| 30 | 95563 | 22215 | 77785 | 73348 | 70 |
| 40 | 95681 | 22372 | 77628 | 73309 | 60 |
| 50 | 95799 | 22530 | 77470 | 73269 | 50 |
| 60 | 95917 | 22687 | 77313 | 73230 | 40 |
| 70 | 96035 | 22845 | 77155 | 73191 | 30 |
| 80 | 96153 | 23002 | 76998 | 73151 | 20 |
| 90 | 96271 | 23159 | 76841 | 73112 | 10 |
| **39 oo** | 96389 | 23317 | 76683 | 73072 | **61 oo** |
| 10 | 96507 | 23474 | 76526 | 73033 | 90 |
| 20 | 96625 | 23631 | 76369 | 72993 | 80 |
| 30 | 96743 | 23789 | 76211 | 72954 | 70 |
| 40 | 96860 | 23946 | 76054 | 72914 | 60 |
| 50 | 96978 | 24104 | 75896 | 72875 | 50 |
| 60 | 97096 | 24261 | 75739 | 72835 | 40 |
| 70 | 97214 | 24418 | 75582 | 72796 | 30 |
| 80 | 97332 | 24576 | 75424 | 72756 | 20 |
| 90 | 97450 | 24733 | 75267 | 72717 | 10 |
| **40 oo** | 97568 | 24890 | 75110 | 72677 | **60 oo** |
| | **9.69** | **9.76** | **0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 66g |
| | 117 | 157 | 157 | 40 | |

| | 158 | 157 | 119 | 118 | 117 | 40 | 39 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,8 | 15,7 | 11,9 | 11,8 | 11,7 | 4,0 | 3,9 | 1 |
| 2 | 31,6 | 31,4 | 23,8 | 23,6 | 23,4 | 8,0 | 7,8 | 2 |
| 3 | 47,4 | 47,1 | 35,7 | 35,4 | 35,1 | 12,0 | 11,7 | 3 |
| 4 | 63,2 | 62,8 | 47,6 | 47,2 | 46,8 | 16,0 | 15,6 | 4 |
| 5 | 79,0 | 78,5 | 59,5 | 59,0 | 58,5 | 20,0 | 19,5 | 5 |
| 6 | 94,8 | 94,2 | 71,4 | 70,8 | 70,2 | 24,0 | 23,4 | 6 |
| 7 | 110,6 | 109,9 | 83,3 | 82,6 | 81,9 | 28,0 | 27,3 | 7 |
| 8 | 126,4 | 125,6 | 95,2 | 94,4 | 93,6 | 32,0 | 31,2 | 8 |
| 9 | 142,2 | 141,3 | 107,1 | 106,2 | 105,3 | 36,0 | 35,1 | 9 |

| **33g** | 118 | 158 | 158 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.69** | **9.76** | **0.23** | **9.93** | |
| **40 oo** | ∗97568 | 24890 | 75110 | 72677 | **60 oo** |
| 10 | ∗97686 | 25048 | 74952 | 72638 | 90 |
| 20 | ∗97803 | 25205 | 74795 | 72598 | 80 |
| 30 | ∗97921 | 25362 | 74638 | 72559 | 70 |
| 40 | ∗98039 | 25520 | 74480 | 72519 | 60 |
| 50 | ∗98157 | 25677 | 74323 | 72480 | 50 |
| 60 | ∗98275 | 25834 | 74166 | 72440 | 40 |
| 70 | ∗98393 | 25992 | 74008 | 72401 | 30 |
| 80 | ∗98511 | 26149 | 73851 | 72361 | 20 |
| 90 | ∗98628 | 26306 | 73694 | 72322 | 10 |
| **41 oo** | ∗98746 | 26464 | 73536 | 72283 | **59 oo** |
| 10 | ∗98864 | 26621 | 73379 | 72243 | 90 |
| 20 | ∗98982 | 26778 | 73222 | 72204 | 80 |
| 30 | ∗99100 | 26936 | 73064 | 72164 | 70 |
| 40 | ∗99218 | 27093 | 72907 | 72125 | 60 |
| 50 | ∗99335 | 27250 | 72750 | 72085 | 50 |
| 60 | ∗99453 | 27408 | 72592 | 72046 | 40 |
| 70 | ∗99571 | 27565 | 72435 | 72006 | 30 |
| 80 | ∗99689 | 27722 | 72278 | 71966 | 20 |
| 90 | ∗99807 | 27880 | 72120 | 71927 | 10 |
| **42 oo** | ∗99924 | 28037 | 71963 | 71887 | **58 oo** |
| 10 | 00042 | 28194 | 71806 | 71848 | 90 |
| 20 | 00160 | 28351 | 71649 | 71808 | 80 |
| 30 | 00278 | 28509 | 71491 | 71769 | 70 |
| 40 | 00395 | 28666 | 71334 | 71729 | 60 |
| 50 | 00513 | 28823 | 71177 | 71690 | 50 |
| 60 | 00631 | 28981 | 71019 | 71650 | 40 |
| 70 | 00749 | 29138 | 70862 | 71611 | 30 |
| 80 | 00867 | 29295 | 70705 | 71571 | 20 |
| 90 | 00984 | 29452 | 70548 | 71532 | 10 |
| **43 oo** | 01102 | 29610 | 70390 | 71492 | **57 oo** |
| 10 | 01220 | 29767 | 70233 | 71453 | 90 |
| 20 | 01338 | 29924 | 70076 | 71413 | 80 |
| 30 | 01455 | 30082 | 69918 | 71374 | 70 |
| 40 | 01573 | 30239 | 69761 | 71334 | 60 |
| 50 | 01691 | 30396 | 69604 | 71295 | 50 |
| 60 | 01808 | 30553 | 69447 | 71255 | 40 |
| 70 | 01926 | 30711 | 69289 | 71216 | 30 |
| 80 | 02044 | 30868 | 69132 | 71176 | 20 |
| 90 | 02162 | 31025 | 68975 | 71137 | 10 |
| **44 oo** | 02279 | 31182 | 68818 | 71097 | **56 oo** |
| 10 | 02397 | 31340 | 68660 | 71057 | 90 |
| 20 | 02515 | 31497 | 68503 | 71018 | 80 |
| 30 | 02632 | 31654 | 68346 | 70978 | 70 |
| 40 | 02750 | 31811 | 68189 | 70939 | 60 |
| 50 | 02868 | 31968 | 68032 | 70899 | 50 |
| 60 | 02985 | 32126 | 67874 | 70860 | 40 |
| 70 | 03103 | 32283 | 67717 | 70820 | 30 |
| 80 | 03221 | 32440 | 67560 | 70781 | 20 |
| 90 | 03338 | 32597 | 67403 | 70741 | 10 |
| **45 oo** | 03456 | 32755 | 67245 | 70702 | **55 oo** |
| | **9.70** | **9.76** | **0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **66g** |
| | 117 | 157 | 157 | 40 | |

| **33g** | 118 | 158 | 158 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.76** | **0.23** | **9.93** | |
| **45 oo** | 03456 | 32755 | 67245 | 70702 | **55 oo** |
| 10 | 03574 | 32912 | 67088 | 70662 | 90 |
| 20 | 03691 | 33069 | 66931 | 70622 | 80 |
| 30 | 03809 | 33226 | 66774 | 70583 | 70 |
| 40 | 03927 | 33383 | 66617 | 70543 | 60 |
| 50 | 04044 | 33541 | 66459 | 70504 | 50 |
| 60 | 04162 | 33698 | 66302 | 70464 | 40 |
| 70 | 04280 | 33855 | 66145 | 70425 | 30 |
| 80 | 04397 | 34012 | 65988 | 70385 | 20 |
| 90 | 04515 | 34169 | 65831 | 70346 | 10 |
| **46 oo** | 04632 | 34327 | 65673 | 70306 | **54 oo** |
| 10 | 04750 | 34484 | 65516 | 70266 | 90 |
| 20 | 04868 | 34641 | 65359 | 70227 | 80 |
| 30 | 04985 | 34798 | 65202 | 70187 | 70 |
| 40 | 05103 | 34955 | 65045 | 70148 | 60 |
| 50 | 05221 | 35112 | 64888 | 70108 | 50 |
| 60 | 05338 | 35270 | 64730 | 70069 | 40 |
| 70 | 05456 | 35427 | 64573 | 70029 | 30 |
| 80 | 05573 | 35584 | 64416 | 69989 | 20 |
| 90 | 05691 | 35741 | 64259 | 69950 | 10 |
| **47 oo** | 05808 | 35898 | 64102 | 69910 | **53 oo** |
| 10 | 05926 | 36055 | 63945 | 69871 | 90 |
| 20 | 06044 | 36213 | 63787 | 69831 | 80 |
| 30 | 06161 | 36370 | 63630 | 69791 | 70 |
| 40 | 06279 | 36527 | 63473 | 69752 | 60 |
| 50 | 06396 | 36684 | 63316 | 69712 | 50 |
| 60 | 06514 | 36841 | 63159 | 69673 | 40 |
| 70 | 06631 | 36998 | 63002 | 69633 | 30 |
| 80 | 06749 | 37155 | 62845 | 69593 | 20 |
| 90 | 06866 | 37313 | 62687 | 69554 | 10 |
| **48 oo** | 06984 | 37470 | 62530 | 69514 | **52 oo** |
| 10 | 07102 | 37627 | 62373 | 69475 | 90 |
| 20 | 07219 | 37784 | 62216 | 69435 | 80 |
| 30 | 07337 | 37941 | 62059 | 69396 | 70 |
| 40 | 07454 | 38098 | 61902 | 69356 | 60 |
| 50 | 07572 | 38255 | 61745 | 69316 | 50 |
| 60 | 07689 | 38412 | 61588 | 69277 | 40 |
| 70 | 07807 | 38569 | 61431 | 69237 | 30 |
| 80 | 07924 | 38727 | 61273 | 69197 | 20 |
| 90 | 08042 | 38884 | 61116 | 69158 | 10 |
| **49 oo** | 08159 | 39041 | 60959 | 69118 | **51 oo** |
| 10 | 08277 | 39198 | 60802 | 69079 | 90 |
| 20 | 08394 | 39355 | 60645 | 69039 | 80 |
| 30 | 08512 | 39512 | 60488 | 68999 | 70 |
| 40 | 08629 | 39669 | 60331 | 68960 | 60 |
| 50 | 08746 | 39826 | 60174 | 68920 | 50 |
| 60 | 08864 | 39983 | 60017 | 68881 | 40 |
| 70 | 08981 | 40140 | 59860 | 68841 | 30 |
| 80 | 09099 | 40298 | 59702 | 68801 | 20 |
| 90 | 09216 | 40455 | 59545 | 68762 | 10 |
| **50 oo** | 09334 | 40612 | 59388 | 68722 | **50 oo** |
| | **9.70** | **9.76** | **0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **66g** |
| | 117 | 157 | 157 | 40 | |

| | 158 | 157 | 118 | 117 | 40 | 39 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,8 | 15,7 | 11,8 | 11,7 | 4,0 | 3,9 | 1 |
| 2 | 31,6 | 31,4 | 23,6 | 23,4 | 8,0 | 7,8 | 2 |
| 3 | 47,4 | 47,1 | 35,4 | 35,1 | 12,0 | 11,7 | 3 |
| 4 | 63,2 | 62,8 | 47,2 | 46,8 | 16,0 | 15,6 | 4 |
| 5 | 79,0 | 78,5 | 59,0 | 58,5 | 20,0 | 19,5 | 5 |
| 6 | 94,8 | 94,2 | 70,8 | 70,2 | 24,0 | 23,4 | 6 |
| 7 | 110,6 | 109,9 | 82,6 | 81,9 | 28,0 | 27,3 | 7 |
| 8 | 126,4 | 125,6 | 94,4 | 93,6 | 32,0 | 31,2 | 8 |
| 9 | 142,2 | 141,3 | 106,2 | 105,3 | 36,0 | 35,1 | 9 |

| 33g | 118 | 158 | 158 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.76** | **0.23** | **9.93** | |
| **50 oo** | 09334 | 40612 | 59388 | 68722 | **50 oo** |
| 10 | 09451 | 40769 | 59231 | 68682 | 90 |
| 20 | 09569 | 40926 | 59074 | 68643 | 80 |
| 30 | 09686 | 41083 | 58917 | 68603 | 70 |
| 40 | 09804 | 41240 | 58760 | 68564 | 60 |
| 50 | 09921 | 41397 | 58603 | 68524 | 50 |
| 60 | 10038 | 41554 | 58446 | 68484 | 40 |
| 70 | 10156 | 41711 | 58289 | 68445 | 30 |
| 80 | 10273 | 41868 | 58132 | 68405 | 20 |
| 90 | 10391 | 42025 | 57975 | 68365 | 10 |
| **51 oo** | 10508 | 42182 | 57818 | 68326 | **49 oo** |
| 10 | 10625 | 42339 | 57661 | 68286 | 90 |
| 20 | 10743 | 42496 | 57504 | 68246 | 80 |
| 30 | 10860 | 42653 | 57347 | 68207 | 70 |
| 40 | 10978 | 42810 | 57190 | 68167 | 60 |
| 50 | 11095 | 42967 | 57033 | 68128 | 50 |
| 60 | 11212 | 43124 | 56876 | 68088 | 40 |
| 70 | 11330 | 43281 | 56719 | 68048 | 30 |
| 80 | 11447 | 43439 | 56561 | 68009 | 20 |
| 90 | 11564 | 43596 | 56404 | 67969 | 10 |
| **52 oo** | 11682 | 43753 | 56247 | 67929 | **48 oo** |
| 10 | 11799 | 43910 | 56090 | 67890 | 90 |
| 20 | 11917 | 44067 | 55933 | 67850 | 80 |
| 30 | 12034 | 44224 | 55776 | 67810 | 70 |
| 40 | 12151 | 44381 | 55619 | 67771 | 60 |
| 50 | 12269 | 44538 | 55462 | 67731 | 50 |
| 60 | 12386 | 44695 | 55305 | 67691 | 40 |
| 70 | 12503 | 44852 | 55148 | 67652 | 30 |
| 80 | 12621 | 45009 | 54991 | 67612 | 20 |
| 90 | 12738 | 45166 | 54834 | 67572 | 10 |
| **53 oo** | 12855 | 45323 | 54677 | 67533 | **47 oo** |
| 10 | 12973 | 45480 | 54520 | 67493 | 90 |
| 20 | 13090 | 45637 | 54363 | 67453 | 80 |
| 30 | 13207 | 45794 | 54206 | 67414 | 70 |
| 40 | 13325 | 45950 | 54050 | 67374 | 60 |
| 50 | 13442 | 46107 | 53893 | 67334 | 50 |
| 60 | 13559 | 46264 | 53736 | 67295 | 40 |
| 70 | 13676 | 46421 | 53579 | 67255 | 30 |
| 80 | 13794 | 46578 | 53422 | 67215 | 20 |
| 90 | 13911 | 46735 | 53265 | 67176 | 10 |
| **54 oo** | 14028 | 46892 | 53108 | 67136 | **46 oo** |
| 10 | 14146 | 47049 | 52951 | 67096 | 90 |
| 20 | 14263 | 47206 | 52794 | 67057 | 80 |
| 30 | 14380 | 47363 | 52637 | 67017 | 70 |
| 40 | 14497 | 47520 | 52480 | 66977 | 60 |
| 50 | 14615 | 47677 | 52323 | 66938 | 50 |
| 60 | 14732 | 47834 | 52166 | 66898 | 40 |
| 70 | 14849 | 47991 | 52009 | 66858 | 30 |
| 80 | 14966 | 48148 | 51852 | 66818 | 20 |
| 90 | 15084 | 48305 | 51695 | 66779 | 10 |
| **55 oo** | 15201 | 48462 | 51538 | 66739 | **45 oo** |
| | **9.70** | **9.76** | **0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 66g |
| | 117 | 156 | 156 | 40 | |

| 33g | 118 | 157 | 157 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.76** | **0.23** | **9.93** | |
| **55 oo** | 15201 | 48462 | 51538 | 66739 | **45 oo** |
| 10 | 15318 | 48619 | 51381 | 66699 | 90 |
| 20 | 15435 | 48776 | 51224 | 66660 | 80 |
| 30 | 15553 | 48933 | 51067 | 66620 | 70 |
| 40 | 15670 | 49089 | 50911 | 66580 | 60 |
| 50 | 15787 | 49246 | 50754 | 66541 | 50 |
| 60 | 15904 | 49403 | 50597 | 66501 | 40 |
| 70 | 16021 | 49560 | 50440 | 66461 | 30 |
| 80 | 16139 | 49717 | 50283 | 66421 | 20 |
| 90 | 16256 | 49874 | 50126 | 66382 | 10 |
| **56 oo** | 16373 | 50031 | 49969 | 66342 | **44 oo** |
| 10 | 16490 | 50188 | 49812 | 66302 | 90 |
| 20 | 16607 | 50345 | 49655 | 66263 | 80 |
| 30 | 16725 | 50502 | 49498 | 66223 | 70 |
| 40 | 16842 | 50659 | 49341 | 66183 | 60 |
| 50 | 16959 | 50815 | 49185 | 66143 | 50 |
| 60 | 17076 | 50972 | 49028 | 66104 | 40 |
| 70 | 17193 | 51129 | 48871 | 66064 | 30 |
| 80 | 17310 | 51286 | 48714 | 66024 | 20 |
| 90 | 17428 | 51443 | 48557 | 65985 | 10 |
| **57 oo** | 17545 | 51600 | 48400 | 65945 | **43 oo** |
| 10 | 17662 | 51757 | 48243 | 65905 | 90 |
| 20 | 17779 | 51914 | 48086 | 65865 | 80 |
| 30 | 17896 | 52070 | 47930 | 65826 | 70 |
| 40 | 18013 | 52227 | 47773 | 65786 | 60 |
| 50 | 18130 | 52384 | 47616 | 65746 | 50 |
| 60 | 18248 | 52541 | 47459 | 65706 | 40 |
| 70 | 18365 | 52698 | 47302 | 65667 | 30 |
| 80 | 18482 | 52855 | 47145 | 65627 | 20 |
| 90 | 18599 | 53012 | 46988 | 65587 | 10 |
| **58 oo** | 18716 | 53168 | 46832 | 65548 | **42 oo** |
| 10 | 18833 | 53325 | 46675 | 65508 | 90 |
| 20 | 18950 | 53482 | 46518 | 65468 | 80 |
| 30 | 19067 | 53639 | 46361 | 65428 | 70 |
| 40 | 19184 | 53796 | 46204 | 65389 | 60 |
| 50 | 19301 | 53953 | 46047 | 65349 | 50 |
| 60 | 19419 | 54109 | 45891 | 65309 | 40 |
| 70 | 19536 | 54266 | 45734 | 65269 | 30 |
| 80 | 19653 | 54423 | 45577 | 65230 | 20 |
| 90 | 19770 | 54580 | 45420 | 65190 | 10 |
| **59 oo** | 19887 | 54737 | 45263 | 65150 | **41 oo** |
| 10 | 20004 | 54894 | 45106 | 65110 | 90 |
| 20 | 20121 | 55050 | 44950 | 65071 | 80 |
| 30 | 20238 | 55207 | 44793 | 65031 | 70 |
| 40 | 20355 | 55364 | 44636 | 64991 | 60 |
| 50 | 20472 | 55521 | 44479 | 64951 | 50 |
| 60 | 20589 | 55678 | 44322 | 64912 | 40 |
| 70 | 20706 | 55834 | 44166 | 64872 | 30 |
| 80 | 20823 | 55991 | 44009 | 64832 | 20 |
| 90 | 20940 | 56148 | 43852 | 64792 | 10 |
| **60 oo** | 21057 | 56305 | 43695 | 64752 | **40 oo** |
| | **9.70** | **9.76** | **0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 66g |
| | 117 | 156 | 156 | 40 | |

| | 158 | 157 | 156 | 118 | 117 | 40 | 39 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,8 | 15,7 | 15,6 | 11,8 | 11,7 | 4,0 | 3,9 | 1 |
| 2 | 31,6 | 31,4 | 31,2 | 23,6 | 23,4 | 8,0 | 7,8 | 2 |
| 3 | 47,4 | 47,1 | 46,8 | 35,4 | 35,1 | 12,0 | 11,7 | 3 |
| 4 | 63,2 | 62,8 | 62,4 | 47,2 | 46,8 | 16,0 | 15,6 | 4 |
| 5 | 79,0 | 78,5 | 78,0 | 59,0 | 58,5 | 20,0 | 19,5 | 5 |
| 6 | 94,8 | 94,2 | 93,6 | 70,8 | 70,2 | 24,0 | 23,4 | 6 |
| 7 | 110,6 | 109,9 | 109,2 | 82,6 | 81,9 | 28,0 | 27,3 | 7 |
| 8 | 126,4 | 125,6 | 124,8 | 94,4 | 93,6 | 32,0 | 31,2 | 8 |
| 9 | 142,2 | 141,3 | 140,4 | 106,2 | 105,3 | 36,0 | 35,1 | 9 |

| 33g | 117 | 157 | 157 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.76** | **0.23** | **9.93** | |
| **60 oo** | 21057 | 56305 | 43695 | 64752 | **40 oo** |
| 10 | 21174 | 56462 | 43538 | 64713 | 90 |
| 20 | 21291 | 56618 | 43382 | 64673 | 80 |
| 30 | 21408 | 56775 | 43225 | 64633 | 70 |
| 40 | 21525 | 56932 | 43068 | 64593 | 60 |
| 50 | 21642 | 57089 | 42911 | 64554 | 50 |
| 60 | 21759 | 57246 | 42754 | 64514 | 40 |
| 70 | 21876 | 57402 | 42598 | 64474 | 30 |
| 80 | 21993 | 57559 | 42441 | 64434 | 20 |
| 90 | 22110 | 57716 | 42284 | 64394 | 10 |
| **61 oo** | 22227 | 57873 | 42127 | 64355 | **39 oo** |
| 10 | 22344 | 58029 | 41971 | 64315 | 90 |
| 20 | 22461 | 58186 | 41814 | 64275 | 80 |
| 30 | 22578 | 58343 | 41657 | 64235 | 70 |
| 40 | 22695 | 58500 | 41500 | 64196 | 60 |
| 50 | 22812 | 58656 | 41344 | 64156 | 50 |
| 60 | 22929 | 58813 | 41187 | 64116 | 40 |
| 70 | 23046 | 58970 | 41030 | 64076 | 30 |
| 80 | 23163 | 59127 | 40873 | 64036 | 20 |
| 90 | 23280 | 59283 | 40717 | 63997 | 10 |
| **62 oo** | 23397 | 59440 | 40560 | 63957 | **38 oo** |
| 10 | 23514 | 59597 | 40403 | 63917 | 90 |
| 20 | 23631 | 59754 | 40246 | 63877 | 80 |
| 30 | 23748 | 59910 | 40090 | 63837 | 70 |
| 40 | 23865 | 60067 | 39933 | 63798 | 60 |
| 50 | 23982 | 60224 | 39776 | 63758 | 50 |
| 60 | 24098 | 60380 | 39620 | 63718 | 40 |
| 70 | 24215 | 60537 | 39463 | 63678 | 30 |
| 80 | 24332 | 60694 | 39306 | 63638 | 20 |
| 90 | 24449 | 60851 | 39149 | 63599 | 10 |
| **63 oo** | 24566 | 61007 | 38993 | 63559 | **37 oo** |
| 10 | 24683 | 61164 | 38836 | 63519 | 90 |
| 20 | 24800 | 61321 | 38679 | 63479 | 80 |
| 30 | 24917 | 61477 | 38523 | 63439 | 70 |
| 40 | 25034 | 61634 | 38366 | 63400 | 60 |
| 50 | 25151 | 61791 | 38209 | 63360 | 50 |
| 60 | 25267 | 61948 | 38052 | 63320 | 40 |
| 70 | 25384 | 62104 | 37896 | 63280 | 30 |
| 80 | 25501 | 62261 | 37739 | 63240 | 20 |
| 90 | 25618 | 62418 | 37582 | 63200 | 10 |
| **64 oo** | 25735 | 62574 | 37426 | 63161 | **36 oo** |
| 10 | 25852 | 62731 | 37269 | 63121 | 90 |
| 20 | 25969 | 62888 | 37112 | 63081 | 80 |
| 30 | 26085 | 63044 | 36956 | 63041 | 70 |
| 40 | 26202 | 63201 | 36799 | 63001 | 60 |
| 50 | 26319 | 63358 | 36642 | 62961 | 50 |
| 60 | 26436 | 63514 | 36486 | 62922 | 40 |
| 70 | 26553 | 63671 | 36329 | 62882 | 30 |
| 80 | 26670 | 63828 | 36172 | 62842 | 20 |
| 90 | 26786 | 63984 | 36016 | 62802 | 10 |
| **65 oo** | 26903 | 64141 | 35859 | 62762 | **35 oo** |
| | **9.70** | **9.76** | **0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 66g |
| | 116 | 156 | 156 | 40 | |

| 33g | 117 | 157 | 157 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.76** | **0.23** | **9.93** | |
| **65 oo** | 26903 | 64141 | 35859 | 62762 | **35 oo** |
| 10 | 27020 | 64298 | 35702 | 62722 | 90 |
| 20 | 27137 | 64454 | 35546 | 62683 | 80 |
| 30 | 27254 | 64611 | 35389 | 62643 | 70 |
| 40 | 27370 | 64768 | 35232 | 62603 | 60 |
| 50 | 27487 | 64924 | 35076 | 62563 | 50 |
| 60 | 27604 | 65081 | 34919 | 62523 | 40 |
| 70 | 27721 | 65237 | 34763 | 62483 | 30 |
| 80 | 27838 | 65394 | 34606 | 62443 | 20 |
| 90 | 27954 | 65551 | 34449 | 62404 | 10 |
| **66 oo** | 28071 | 65707 | 34293 | 62364 | **34 oo** |
| 10 | 28188 | 65864 | 34136 | 62324 | 90 |
| 20 | 28305 | 66021 | 33979 | 62284 | 80 |
| 30 | 28421 | 66177 | 33823 | 62244 | 70 |
| 40 | 28538 | 66334 | 33666 | 62204 | 60 |
| 50 | 28655 | 66490 | 33510 | 62165 | 50 |
| 60 | 28772 | 66647 | 33353 | 62125 | 40 |
| 70 | 28888 | 66804 | 33196 | 62085 | 30 |
| 80 | 29005 | 66960 | 33040 | 62045 | 20 |
| 90 | 29122 | 67117 | 32883 | 62005 | 10 |
| **67 oo** | 29239 | 67273 | 32727 | 61965 | **33 oo** |
| 10 | 29355 | 67430 | 32570 | 61925 | 90 |
| 20 | 29472 | 67587 | 32413 | 61885 | 80 |
| 30 | 29589 | 67743 | 32257 | 61846 | 70 |
| 40 | 29705 | 67900 | 32100 | 61806 | 60 |
| 50 | 29822 | 68056 | 31944 | 61766 | 50 |
| 60 | 29939 | 68213 | 31787 | 61726 | 40 |
| 70 | 30056 | 68370 | 31630 | 61686 | 30 |
| 80 | 30172 | 68526 | 31474 | 61646 | 20 |
| 90 | 30289 | 68683 | 31317 | 61606 | 10 |
| **68 oo** | 30406 | 68839 | 31161 | 61566 | **32 oo** |
| 10 | 30522 | 68996 | 31004 | 61527 | 90 |
| 20 | 30639 | 69152 | 30848 | 61487 | 80 |
| 30 | 30756 | 69309 | 30691 | 61447 | 70 |
| 40 | 30872 | 69466 | 30534 | 61407 | 60 |
| 50 | 30989 | 69622 | 30378 | 61367 | 50 |
| 60 | 31106 | 69779 | 30221 | 61327 | 40 |
| 70 | 31222 | 69935 | 30065 | 61287 | 30 |
| 80 | 31339 | 70092 | 29908 | 61247 | 20 |
| 90 | 31456 | 70248 | 29752 | 61207 | 10 |
| **69 oo** | 31572 | 70405 | 29595 | 61168 | **31 oo** |
| 10 | 31689 | 70561 | 29439 | 61128 | 90 |
| 20 | 31806 | 70718 | 29282 | 61088 | 80 |
| 30 | 31922 | 70874 | 29126 | 61048 | 70 |
| 40 | 32039 | 71031 | 28969 | 61008 | 60 |
| 50 | 32156 | 71188 | 28812 | 60968 | 50 |
| 60 | 32272 | 71344 | 28656 | 60928 | 40 |
| 70 | 32389 | 71501 | 28499 | 60888 | 30 |
| 80 | 32505 | 71657 | 28343 | 60848 | 20 |
| 90 | 32622 | 71814 | 28186 | 60808 | 10 |
| **70 oo** | 32739 | 71970 | 28030 | 60768 | **30 oo** |
| | **9.70** | **9.76** | **0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 66g |
| | 116 | 156 | 156 | 40 | |

| | 157 | 156 | 117 | 116 | 40 | 39 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,7 | 15,6 | 11,7 | 11,6 | 4,0 | 3,9 | 1 |
| 2 | 31,4 | 31,2 | 23,4 | 23,2 | 8,0 | 7,8 | 2 |
| 3 | 47,1 | 46,8 | 35,1 | 34,8 | 12,0 | 11,7 | 3 |
| 4 | 62,8 | 62,4 | 46,8 | 46,4 | 16,0 | 15,6 | 4 |
| 5 | 78,5 | 78,0 | 58,5 | 58,0 | 20,0 | 19,5 | 5 |
| 6 | 94,2 | 93,6 | 70,2 | 69,6 | 24,0 | 23,4 | 6 |
| 7 | 109,9 | 109,2 | 81,9 | 81,2 | 28,0 | 27,3 | 7 |
| 8 | 125,6 | 124,8 | 93,6 | 92,8 | 32,0 | 31,2 | 8 |
| 9 | 141,3 | 140,4 | 105,3 | 104,4 | 36,0 | 35,1 | 9 |

| 33g | 117 | 157 | 157 | 39 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.76** | **0.23** | **9.93** | |
| **70 oo** | 32739 | 71970 | 28030 | 60768 | **30 oo** |
| 10 | 32855 | 72127 | 27873 | 60729 | 90 |
| 20 | 32972 | 72283 | 27717 | 60689 | 80 |
| 30 | 33088 | 72440 | 27560 | 60649 | 70 |
| 40 | 33205 | 72596 | 27404 | 60609 | 60 |
| 50 | 33322 | 72753 | 27247 | 60569 | 50 |
| 60 | 33438 | 72909 | 27091 | 60529 | 40 |
| 70 | 33555 | 73066 | 26934 | 60489 | 30 |
| 80 | 33671 | 73222 | 26778 | 60449 | 20 |
| 90 | 33788 | 73379 | 26621 | 60409 | 10 |
| **71 oo** | 33904 | 73535 | 26465 | 60369 | **29 oo** |
| 10 | 34021 | 73692 | 26308 | 60329 | 90 |
| 20 | 34138 | 73848 | 26152 | 60289 | 80 |
| 30 | 34254 | 74005 | 25995 | 60249 | 70 |
| 40 | 34371 | 74161 | 25839 | 60210 | 60 |
| 50 | 34487 | 74318 | 25682 | 60170 | 50 |
| 60 | 34604 | 74474 | 25526 | 60130 | 40 |
| 70 | 34720 | 74630 | 25370 | 60090 | 30 |
| 80 | 34837 | 74787 | 25213 | 60050 | 20 |
| 90 | 34953 | 74943 | 25057 | 60010 | 10 |
| **72 oo** | 35070 | 75100 | 24900 | 59970 | **28 oo** |
| 10 | 35186 | 75256 | 24744 | 59930 | 90 |
| 20 | 35303 | 75413 | 24587 | 59890 | 80 |
| 30 | 35419 | 75569 | 24431 | 59850 | 70 |
| 40 | 35536 | 75726 | 24274 | 59810 | 60 |
| 50 | 35652 | 75882 | 24118 | 59770 | 50 |
| 60 | 35769 | 76039 | 23961 | 59730 | 40 |
| 70 | 35885 | 76195 | 23805 | 59690 | 30 |
| 80 | 36002 | 76351 | 23649 | 59650 | 20 |
| 90 | 36118 | 76508 | 23492 | 59610 | 10 |
| **73 oo** | 36235 | 76664 | 23336 | 59570 | **27 oo** |
| 10 | 36351 | 76821 | 23179 | 59531 | 90 |
| 20 | 36468 | 76977 | 23023 | 59491 | 80 |
| 30 | 36584 | 77134 | 22866 | 59451 | 70 |
| 40 | 36701 | 77290 | 22710 | 59411 | 60 |
| 50 | 36817 | 77446 | 22554 | 59371 | 50 |
| 60 | 36934 | 77603 | 22397 | 59331 | 40 |
| 70 | 37050 | 77759 | 22241 | 59291 | 30 |
| 80 | 37166 | 77916 | 22084 | 59251 | 20 |
| 90 | 37283 | 78072 | 21928 | 59211 | 10 |
| **74 oo** | 37399 | 78228 | 21772 | 59171 | **26 oo** |
| 10 | 37516 | 78385 | 21615 | 59131 | 90 |
| 20 | 37632 | 78541 | 21459 | 59091 | 80 |
| 30 | 37749 | 78698 | 21302 | 59051 | 70 |
| 40 | 37865 | 78854 | 21146 | 59011 | 60 |
| 50 | 37981 | 79010 | 20990 | 58971 | 50 |
| 60 | 38098 | 79167 | 20833 | 58931 | 40 |
| 70 | 38214 | 79323 | 20677 | 58891 | 30 |
| 80 | 38331 | 79480 | 20520 | 58851 | 20 |
| 90 | 38447 | 79636 | 20364 | 58811 | 10 |
| **75 oo** | 38563 | 79792 | 20208 | 58771 | **25 oo** |
| | **9.70** | **9.76** | **0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 66g |
| | 116 | 156 | 156 | 40 | |

| 33g | 117 | 157 | 157 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.76** | **0.23** | **9.93** | |
| **75 oo** | 38563 | 79792 | 20208 | 58771 | **25 oo** |
| 10 | 38680 | 79949 | 20051 | 58731 | 90 |
| 20 | 38796 | 80105 | 19895 | 58691 | 80 |
| 30 | 38913 | 80261 | 19739 | 58651 | 70 |
| 40 | 39029 | 80418 | 19582 | 58611 | 60 |
| 50 | 39145 | 80574 | 19426 | 58571 | 50 |
| 60 | 39262 | 80731 | 19269 | 58531 | 40 |
| 70 | 39378 | 80887 | 19113 | 58491 | 30 |
| 80 | 39494 | 81043 | 18957 | 58451 | 20 |
| 90 | 39611 | 81200 | 18800 | 58411 | 10 |
| **76 oo** | 39727 | 81356 | 18644 | 58371 | **24 oo** |
| 10 | 39844 | 81512 | 18488 | 58331 | 90 |
| 20 | 39960 | 81669 | 18331 | 58291 | 80 |
| 30 | 40076 | 81825 | 18175 | 58251 | 70 |
| 40 | 40193 | 81981 | 18019 | 58211 | 60 |
| 50 | 40309 | 82138 | 17862 | 58171 | 50 |
| 60 | 40425 | 82294 | 17706 | 58131 | 40 |
| 70 | 40542 | 82450 | 17550 | 58091 | 30 |
| 80 | 40658 | 82607 | 17393 | 58051 | 20 |
| 90 | 40774 | 82763 | 17237 | 58011 | 10 |
| **77 oo** | 40890 | 82919 | 17081 | 57971 | **23 oo** |
| 10 | 41007 | 83076 | 16924 | 57931 | 90 |
| 20 | 41123 | 83232 | 16768 | 57891 | 80 |
| 30 | 41239 | 83388 | 16612 | 57851 | 70 |
| 40 | 41356 | 83545 | 16455 | 57811 | 60 |
| 50 | 41472 | 83701 | 16299 | 57771 | 50 |
| 60 | 41588 | 83857 | 16143 | 57731 | 40 |
| 70 | 41705 | 84014 | 15986 | 57691 | 30 |
| 80 | 41821 | 84170 | 15830 | 57651 | 20 |
| 90 | 41937 | 84326 | 15674 | 57611 | 10 |
| **78 oo** | 42053 | 84482 | 15518 | 57571 | **22 oo** |
| 10 | 42170 | 84639 | 15361 | 57531 | 90 |
| 20 | 42286 | 84795 | 15205 | 57491 | 80 |
| 30 | 42402 | 84951 | 15049 | 57451 | 70 |
| 40 | 42518 | 85108 | 14892 | 57411 | 60 |
| 50 | 42635 | 85264 | 14736 | 57371 | 50 |
| 60 | 42751 | 85420 | 14580 | 57331 | 40 |
| 70 | 42867 | 85576 | 14424 | 57291 | 30 |
| 80 | 42983 | 85733 | 14267 | 57251 | 20 |
| 90 | 43100 | 85889 | 14111 | 57211 | 10 |
| **79 oo** | 43216 | 86045 | 13955 | 57171 | **21 oo** |
| 10 | 43332 | 86201 | 13799 | 57131 | 90 |
| 20 | 43448 | 86358 | 13642 | 57090 | 80 |
| 30 | 43564 | 86514 | 13486 | 57050 | 70 |
| 40 | 43681 | 86670 | 13330 | 57010 | 60 |
| 50 | 43797 | 86827 | 13173 | 56970 | 50 |
| 60 | 43913 | 86983 | 13017 | 56930 | 40 |
| 70 | 44029 | 87139 | 12861 | 56890 | 30 |
| 80 | 44145 | 87295 | 12705 | 56850 | 20 |
| 90 | 44262 | 87452 | 12548 | 56810 | 10 |
| **80 oo** | 44378 | 87608 | 12392 | 56770 | **20 oo** |
| | **9.70** | **9.76** | **0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 66g |
| | 116 | 156 | 156 | 41 | |

| | 157 | 156 | 117 | 116 | 41 | 40 | 39 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,7 | 15,6 | 11,7 | 11,6 | 4,1 | 4,0 | 3,9 | 1 |
| 2 | 31,4 | 31,2 | 23,4 | 23,2 | 8,2 | 8,0 | 7,8 | 2 |
| 3 | 47,1 | 46,8 | 35,1 | 34,8 | 12,3 | 12,0 | 11,7 | 3 |
| 4 | 62,8 | 62,4 | 46,8 | 46,4 | 16,4 | 16,0 | 15,6 | 4 |
| 5 | 78,5 | 78,0 | 58,5 | 58,0 | 20,5 | 20,0 | 19,5 | 5 |
| 6 | 94,2 | 93,6 | 70,2 | 69,6 | 24,6 | 24,0 | 23,4 | 6 |
| 7 | 109,9 | 109,2 | 81,9 | 81,2 | 28,7 | 28,0 | 27,3 | 7 |
| 8 | 125,6 | 124,8 | 93,6 | 92,8 | 32,8 | 32,0 | 31,2 | 8 |
| 9 | 141,3 | 140,4 | 105,3 | 104,4 | 36,9 | 36,0 | 35,1 | 9 |

| 33g | 117 | 157 | 157 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.76** | **0.23** | **9.93** | |
| **80 oo** | 44378 | 87608 | 12392 | 56770 | **20 oo** |
| 10 | 44494 | 87764 | 12236 | 56730 | 90 |
| 20 | 44610 | 87920 | 12080 | 56690 | 80 |
| 30 | 44726 | 88076 | 11924 | 56650 | 70 |
| 40 | 44843 | 88233 | 11767 | 56610 | 60 |
| 50 | 44959 | 88389 | 11611 | 56570 | 50 |
| 60 | 45075 | 88545 | 11455 | 56530 | 40 |
| 70 | 45191 | 88701 | 11299 | 56490 | 30 |
| 80 | 45307 | 88858 | 11142 | 56450 | 20 |
| 90 | 45423 | 89014 | 10986 | 56410 | 10 |
| **81 oo** | 45539 | 89170 | 10830 | 56369 | **19 oo** |
| 10 | 45656 | 89326 | 10674 | 56329 | 90 |
| 20 | 45772 | 89482 | 10518 | 56289 | 80 |
| 30 | 45888 | 89639 | 10361 | 56249 | 70 |
| 40 | 46004 | 89795 | 10205 | 56209 | 60 |
| 50 | 46120 | 89951 | 10049 | 56169 | 50 |
| 60 | 46236 | 90107 | 09893 | 56129 | 40 |
| 70 | 46352 | 90263 | 09737 | 56089 | 30 |
| 80 | 46468 | 90420 | 09580 | 56049 | 20 |
| 90 | 46585 | 90576 | 09424 | 56009 | 10 |
| **82 oo** | 46701 | 90732 | 09268 | 55969 | **18 oo** |
| 10 | 46817 | 90888 | 09112 | 55929 | 90 |
| 20 | 46933 | 91044 | 08956 | 55889 | 80 |
| 30 | 47049 | 91201 | 08799 | 55848 | 70 |
| 40 | 47165 | 91357 | 08643 | 55808 | 60 |
| 50 | 47281 | 91513 | 08487 | 55768 | 50 |
| 60 | 47397 | 91669 | 08331 | 55728 | 40 |
| 70 | 47513 | 91825 | 08175 | 55688 | 30 |
| 80 | 47629 | 91981 | 08019 | 55648 | 20 |
| 90 | 47745 | 92138 | 07862 | 55608 | 10 |
| **83 oo** | 47861 | 92294 | 07706 | 55568 | **17 oo** |
| 10 | 47978 | 92450 | 07550 | 55528 | 90 |
| 20 | 48094 | 92606 | 07394 | 55488 | 80 |
| 30 | 48210 | 92762 | 07238 | 55447 | 70 |
| 40 | 48326 | 92918 | 07082 | 55407 | 60 |
| 50 | 48442 | 93074 | 06926 | 55367 | 50 |
| 60 | 48558 | 93231 | 06769 | 55327 | 40 |
| 70 | 48674 | 93387 | 06613 | 55287 | 30 |
| 80 | 48790 | 93543 | 06457 | 55247 | 20 |
| 90 | 48906 | 93699 | 06301 | 55207 | 10 |
| **84 oo** | 49022 | 93855 | 06145 | 55167 | **16 oo** |
| 10 | 49138 | 94011 | 05989 | 55127 | 90 |
| 20 | 49254 | 94167 | 05833 | 55086 | 80 |
| 30 | 49370 | 94323 | 05677 | 55046 | 70 |
| 40 | 49486 | 94480 | 05520 | 55006 | 60 |
| 50 | 49602 | 94636 | 05364 | 54966 | 50 |
| 60 | 49718 | 94792 | 05208 | 54926 | 40 |
| 70 | 49834 | 94948 | 05052 | 54886 | 30 |
| 80 | 49950 | 95104 | 04896 | 54846 | 20 |
| 90 | 50066 | 95260 | 04740 | 54806 | 10 |
| **85 oo** | 50182 | 95416 | 04584 | 54766 | **15 oo** |
| | **9.70** | **9.76** | **0.23** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 66g |
| | 116 | 156 | 156 | 41 | |

| 33g | 116 | 157 | 157 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.76** | **0.23** | **9.93** | |
| **85 oo** | 50182 | 95416 | 04584 | 54766 | **15 oo** |
| 10 | 50298 | 95572 | 04428 | 54725 | 90 |
| 20 | 50414 | 95728 | 04272 | 54685 | 80 |
| 30 | 50530 | 95885 | 04115 | 54645 | 70 |
| 40 | 50646 | 96041 | 03959 | 54605 | 60 |
| 50 | 50762 | 96197 | 03803 | 54565 | 50 |
| 60 | 50878 | 96353 | 03647 | 54525 | 40 |
| 70 | 50993 | 96509 | 03491 | 54485 | 30 |
| 80 | 51109 | 96665 | 03335 | 54444 | 20 |
| 90 | 51225 | 96821 | 03179 | 54404 | 10 |
| **86 oo** | 51341 | 96977 | 03023 | 54364 | **14 oo** |
| 10 | 51457 | 97133 | 02867 | 54324 | 90 |
| 20 | 51573 | 97289 | 02711 | 54284 | 80 |
| 30 | 51689 | 97445 | 02555 | 54244 | 70 |
| 40 | 51805 | 97601 | 02399 | 54204 | 60 |
| 50 | 51921 | 97758 | 02242 | 54163 | 50 |
| 60 | 52037 | 97914 | 02086 | 54123 | 40 |
| 70 | 52153 | 98070 | 01930 | 54083 | 30 |
| 80 | 52269 | 98226 | 01774 | 54043 | 20 |
| 90 | 52385 | 98382 | 01618 | 54003 | 10 |
| **87 oo** | 52500 | 98538 | 01462 | 53963 | **13 oo** |
| 10 | 52616 | 98694 | 01306 | 53923 | 90 |
| 20 | 52732 | 98850 | 01150 | 53882 | 80 |
| 30 | 52848 | 99006 | 00994 | 53842 | 70 |
| 40 | 52964 | 99162 | 00838 | 53802 | 60 |
| 50 | 53080 | 99318 | 00682 | 53762 | 50 |
| 60 | 53196 | 99474 | 00526 | 53722 | 40 |
| 70 | 53312 | 99630 | 00370 | 53682 | 30 |
| 80 | 53427 | 99786 | 00214 | 53641 | 20 |
| 90 | 53543 | 99942 | 00058 | 53601 | 10 |
| **88 oo** | 53659 | *00098 | *99902 | 53561 | **12 oo** |
| 10 | 53775 | *00254 | *99746 | 53521 | 90 |
| 20 | 53891 | *00410 | *99590 | 53481 | 80 |
| 30 | 54007 | *00566 | *99434 | 53440 | 70 |
| 40 | 54123 | *00722 | *99278 | 53400 | 60 |
| 50 | 54238 | *00878 | *99122 | 53360 | 50 |
| 60 | 54354 | *01034 | *98966 | 53320 | 40 |
| 70 | 54470 | *01190 | *98810 | 53280 | 30 |
| 80 | 54586 | *01346 | *98654 | 53240 | 20 |
| 90 | 54702 | *01502 | *98498 | 53199 | 10 |
| **89 oo** | 54817 | *01658 | *98342 | 53159 | **11 oo** |
| 10 | 54933 | *01814 | *98186 | 53119 | 90 |
| 20 | 55049 | *01970 | *98030 | 53079 | 80 |
| 30 | 55165 | *02126 | *97874 | 53039 | 70 |
| 40 | 55281 | *02282 | *97718 | 52998 | 60 |
| 50 | 55396 | *02438 | *97562 | 52958 | 50 |
| 60 | 55512 | *02594 | *97406 | 52918 | 40 |
| 70 | 55628 | *02750 | *97250 | 52878 | 30 |
| 80 | 55744 | *02906 | *97094 | 52838 | 20 |
| 90 | 55860 | *03062 | *96938 | 52798 | 10 |
| **90 oo** | 55975 | *03218 | *96782 | 52757 | **10 oo** |
| | **9.70** | ***9.77** | ***0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 66g |
| | 115 | 156 | 156 | 41 | |

| | 157 | 156 | 117 | 116 | 115 | 41 | 40 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,7 | 15,6 | 11,7 | 11,6 | 11,5 | 4,1 | 4,0 | 1 |
| 2 | 31,4 | 31,2 | 23,4 | 23,2 | 23,0 | 8,2 | 8,0 | 2 |
| 3 | 47,1 | 46,8 | 35,1 | 34,8 | 34,5 | 12,3 | 12,0 | 3 |
| 4 | 62,8 | 62,4 | 46,8 | 46,4 | 46,0 | 16,4 | 16,0 | 4 |
| 5 | 78,5 | 78,0 | 58,5 | 58,0 | 57,5 | 20,5 | 20,0 | 5 |
| 6 | 94,2 | 93,6 | 70,2 | 69,6 | 69,0 | 24,6 | 24,0 | 6 |
| 7 | 109,9 | 109,2 | 81,9 | 81,2 | 80,5 | 28,7 | 28,0 | 7 |
| 8 | 125,6 | 124,8 | 93,6 | 92,8 | 92,0 | 32,8 | 32,0 | 8 |
| 9 | 141,3 | 140,4 | 105,3 | 104,4 | 103,5 | 36,9 | 36,0 | 9 |

| 33g | 116 | 156 | 156 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.77** | **0.22** | **9.93** | |
| **90 00** | 55975 | 03218 | 96782 | 52757 | **10 00** |
| 10 | 56091 | 03374 | 96626 | 52717 | 90 |
| 20 | 56207 | 03530 | 96470 | 52677 | 80 |
| 30 | 56323 | 03686 | 96314 | 52637 | 70 |
| 40 | 56438 | 03842 | 96158 | 52596 | 60 |
| 50 | 56554 | 03998 | 96002 | 52556 | 50 |
| 60 | 56670 | 04154 | 95846 | 52516 | 40 |
| 70 | 56786 | 04310 | 95690 | 52476 | 30 |
| 80 | 56901 | 04466 | 95534 | 52436 | 20 |
| 90 | 57017 | 04622 | 95378 | 52395 | 10 |
| **91 00** | 57133 | 04778 | 95222 | 52355 | **09 00** |
| 10 | 57248 | 04933 | 95067 | 52315 | 90 |
| 20 | 57364 | 05089 | 94911 | 52275 | 80 |
| 30 | 57480 | 05245 | 94755 | 52235 | 70 |
| 40 | 57596 | 05401 | 94599 | 52194 | 60 |
| 50 | 57711 | 05557 | 94443 | 52154 | 50 |
| 60 | 57827 | 05713 | 94287 | 52114 | 40 |
| 70 | 57943 | 05869 | 94131 | 52074 | 30 |
| 80 | 58058 | 06025 | 93975 | 52033 | 20 |
| 90 | 58174 | 06181 | 93819 | 51993 | 10 |
| **92 00** | 58290 | 06337 | 93663 | 51953 | **08 00** |
| 10 | 58405 | 06493 | 93507 | 51913 | 90 |
| 20 | 58521 | 06649 | 93351 | 51873 | 80 |
| 30 | 58637 | 06804 | 93196 | 51832 | 70 |
| 40 | 58752 | 06960 | 93040 | 51792 | 60 |
| 50 | 58868 | 07116 | 92884 | 51752 | 50 |
| 60 | 58984 | 07272 | 92728 | 51712 | 40 |
| 70 | 59099 | 07428 | 92572 | 51671 | 30 |
| 80 | 59215 | 07584 | 92416 | 51631 | 20 |
| 90 | 59331 | 07740 | 92260 | 51591 | 10 |
| **93 00** | 59446 | 07896 | 92104 | 51551 | **07 00** |
| 10 | 59562 | 08052 | 91948 | 51510 | 90 |
| 20 | 59678 | 08208 | 91792 | 51470 | 80 |
| 30 | 59793 | 08363 | 91637 | 51430 | 70 |
| 40 | 59909 | 08519 | 91481 | 51390 | 60 |
| 50 | 60025 | 08675 | 91325 | 51349 | 50 |
| 60 | 60140 | 08831 | 91169 | 51309 | 40 |
| 70 | 60256 | 08987 | 91013 | 51269 | 30 |
| 80 | 60371 | 09143 | 90857 | 51229 | 20 |
| 90 | 60487 | 09299 | 90701 | 51188 | 10 |
| **94 00** | 60603 | 09454 | 90546 | 51148 | **06 00** |
| 10 | 60718 | 09610 | 90390 | 51108 | 90 |
| 20 | 60834 | 09766 | 90234 | 51068 | 80 |
| 30 | 60949 | 09922 | 90078 | 51027 | 70 |
| 40 | 61065 | 10078 | 89922 | 50987 | 60 |
| 50 | 61181 | 10234 | 89766 | 50947 | 50 |
| 60 | 61296 | 10390 | 89610 | 50907 | 40 |
| 70 | 61412 | 10545 | 89455 | 50866 | 30 |
| 80 | 61527 | 10701 | 89299 | 50826 | 20 |
| 90 | 61643 | 10857 | 89143 | 50786 | 10 |
| **95 00** | 61758 | 11013 | 88987 | 50746 | **05 00** |
| | **9.70** | **9.77** | **0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **66g** |
| | 115 | 155 | 155 | 41 | |

| 33g | 116 | 156 | 156 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.77** | **0.22** | **9.93** | |
| **95 00** | 61758 | 11013 | 88987 | 50746 | **05 00** |
| 10 | 61874 | 11169 | 88831 | 50705 | 90 |
| 20 | 61990 | 11325 | 88675 | 50665 | 80 |
| 30 | 62105 | 11480 | 88520 | 50625 | 70 |
| 40 | 62221 | 11636 | 88364 | 50584 | 60 |
| 50 | 62336 | 11792 | 88208 | 50544 | 50 |
| 60 | 62452 | 11948 | 88052 | 50504 | 40 |
| 70 | 62567 | 12104 | 87896 | 50464 | 30 |
| 80 | 62683 | 12259 | 87741 | 50423 | 20 |
| 90 | 62798 | 12415 | 87585 | 50383 | 10 |
| **96 00** | 62914 | 12571 | 87429 | 50343 | **04 00** |
| 10 | 63029 | 12727 | 87273 | 50302 | 90 |
| 20 | 63145 | 12883 | 87117 | 50262 | 80 |
| 30 | 63260 | 13038 | 86962 | 50222 | 70 |
| 40 | 63376 | 13194 | 86806 | 50182 | 60 |
| 50 | 63491 | 13350 | 86650 | 50141 | 50 |
| 60 | 63607 | 13506 | 86494 | 50101 | 40 |
| 70 | 63722 | 13662 | 86338 | 50061 | 30 |
| 80 | 63838 | 13817 | 86183 | 50020 | 20 |
| 90 | 63953 | 13973 | 86027 | 49980 | 10 |
| **97 00** | 64069 | 14129 | 85871 | 49940 | **03 00** |
| 10 | 64184 | 14285 | 85715 | 49899 | 90 |
| 20 | 64300 | 14441 | 85559 | 49859 | 80 |
| 30 | 64415 | 14596 | 85404 | 49819 | 70 |
| 40 | 64531 | 14752 | 85248 | 49779 | 60 |
| 50 | 64646 | 14908 | 85092 | 49738 | 50 |
| 60 | 64762 | 15064 | 84936 | 49698 | 40 |
| 70 | 64877 | 15219 | 84781 | 49658 | 30 |
| 80 | 64992 | 15375 | 84625 | 49617 | 20 |
| 90 | 65108 | 15531 | 84469 | 49577 | 10 |
| **98 00** | 65223 | 15687 | 84313 | 49537 | **02 00** |
| 10 | 65339 | 15842 | 84158 | 49496 | 90 |
| 20 | 65454 | 15998 | 84002 | 49456 | 80 |
| 30 | 65570 | 16154 | 83846 | 49416 | 70 |
| 40 | 65685 | 16310 | 83690 | 49375 | 60 |
| 50 | 65800 | 16465 | 83535 | 49335 | 50 |
| 60 | 65916 | 16621 | 83379 | 49295 | 40 |
| 70 | 66031 | 16777 | 83223 | 49254 | 30 |
| 80 | 66147 | 16933 | 83067 | 49214 | 20 |
| 90 | 66262 | 17088 | 82912 | 49174 | 10 |
| **99 00** | 66377 | 17244 | 82756 | 49133 | **01 00** |
| 10 | 66493 | 17400 | 82600 | 49093 | 90 |
| 20 | 66608 | 17555 | 82445 | 49053 | 80 |
| 30 | 66724 | 17711 | 82289 | 49012 | 70 |
| 40 | 66839 | 17867 | 82133 | 48972 | 60 |
| 50 | 66954 | 18023 | 81977 | 48932 | 50 |
| 60 | 67070 | 18178 | 81822 | 48891 | 40 |
| 70 | 67185 | 18334 | 81666 | 48851 | 30 |
| 80 | 67300 | 18490 | 81510 | 48811 | 20 |
| 90 | 67416 | 18645 | 81355 | 48770 | 10 |
| **100 00** | 67531 | 18801 | 81199 | 48730 | **00 00** |
| | **9.70** | **9.77** | **0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **66g** |
| | 115 | 155 | 155 | 41 | |

| | 156 | 155 | 116 | 115 | 41 | 40 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,6 | 15,5 | 11,6 | 11,5 | 4,1 | 4,0 | 1 |
| 2 | 31,2 | 31,0 | 23,2 | 23,0 | 8,2 | 8,0 | 2 |
| 3 | 46,8 | 46,5 | 34,8 | 34,5 | 12,3 | 12,0 | 3 |
| 4 | 62,4 | 62,0 | 46,4 | 46,0 | 16,4 | 16,0 | 4 |
| 5 | 78,0 | 77,5 | 58,0 | 57,5 | 20,5 | 20,0 | 5 |
| 6 | 93,6 | 93,0 | 69,6 | 69,0 | 24,6 | 24,0 | 6 |
| 7 | 109,2 | 108,5 | 81,2 | 80,5 | 28,7 | 28,0 | 7 |
| 8 | 124,8 | 124,0 | 92,8 | 92,0 | 32,8 | 32,0 | 8 |
| 9 | 140,4 | 139,5 | 104,4 | 103,5 | 36,9 | 36,0 | 9 |

| 34g | 116 | 156 | 156 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.77** | **0.22** | **9.93** | |
| **00 oo** | 67531 | 18801 | 81199 | 48730 | **100 oo** |
| 10 | 67647 | 18957 | 81043 | 48690 | 90 |
| 20 | 67762 | 19112 | 80888 | 48649 | 80 |
| 30 | 67877 | 19268 | 80732 | 48609 | 70 |
| 40 | 67993 | 19424 | 80576 | 48569 | 60 |
| 50 | 68108 | 19580 | 80420 | 48528 | 50 |
| 60 | 68223 | 19735 | 80265 | 48488 | 40 |
| 70 | 68339 | 19891 | 80109 | 48448 | 30 |
| 80 | 68454 | 20047 | 79953 | 48407 | 20 |
| 90 | 68569 | 20202 | 79798 | 48367 | 10 |
| **01 oo** | 68684 | 20358 | 79642 | 48327 | **99 oo** |
| 10 | 68800 | 20514 | 79486 | 48286 | 90 |
| 20 | 68915 | 20669 | 79331 | 48246 | 80 |
| 30 | 69030 | 20825 | 79175 | 48205 | 70 |
| 40 | 69146 | 20981 | 79019 | 48165 | 60 |
| 50 | 69261 | 21136 | 78864 | 48125 | 50 |
| 60 | 69376 | 21292 | 78708 | 48084 | 40 |
| 70 | 69492 | 21448 | 78552 | 48044 | 30 |
| 80 | 69607 | 21603 | 78397 | 48004 | 20 |
| 90 | 69722 | 21759 | 78241 | 47963 | 10 |
| **02 oo** | 69837 | 21914 | 78086 | 47923 | **98 oo** |
| 10 | 69953 | 22070 | 77930 | 47883 | 90 |
| 20 | 70068 | 22226 | 77774 | 47842 | 80 |
| 30 | 70183 | 22381 | 77619 | 47802 | 70 |
| 40 | 70298 | 22537 | 77463 | 47761 | 60 |
| 50 | 70414 | 22693 | 77307 | 47721 | 50 |
| 60 | 70529 | 22848 | 77152 | 47681 | 40 |
| 70 | 70644 | 23004 | 76996 | 47640 | 30 |
| 80 | 70759 | 23160 | 76840 | 47600 | 20 |
| 90 | 70875 | 23315 | 76685 | 47559 | 10 |
| **03 oo** | 70990 | 23471 | 76529 | 47519 | **97 oo** |
| 10 | 71105 | 23626 | 76374 | 47479 | 90 |
| 20 | 71220 | 23782 | 76218 | 47438 | 80 |
| 30 | 71336 | 23938 | 76062 | 47398 | 70 |
| 40 | 71451 | 24093 | 75907 | 47358 | 60 |
| 50 | 71566 | 24249 | 75751 | 47317 | 50 |
| 60 | 71681 | 24404 | 75596 | 47277 | 40 |
| 70 | 71796 | 24560 | 75440 | 47236 | 30 |
| 80 | 71912 | 24716 | 75284 | 47196 | 20 |
| 90 | 72027 | 24871 | 75129 | 47156 | 10 |
| **04 oo** | 72142 | 25027 | 74973 | 47115 | **96 oo** |
| 10 | 72257 | 25182 | 74818 | 47075 | 90 |
| 20 | 72372 | 25338 | 74662 | 47034 | 80 |
| 30 | 72487 | 25494 | 74506 | 46994 | 70 |
| 40 | 72603 | 25649 | 74351 | 46954 | 60 |
| 50 | 72718 | 25805 | 74195 | 46913 | 50 |
| 60 | 72833 | 25960 | 74040 | 46873 | 40 |
| 70 | 72948 | 26116 | 73884 | 46832 | 30 |
| 80 | 73063 | 26271 | 73729 | 46792 | 20 |
| 90 | 73178 | 26427 | 73573 | 46751 | 10 |
| **05 oo** | 73294 | 26583 | 73417 | 46711 | **95 oo** |
| | **9.70** | **9.77** | **0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 115 | 155 | 155 | 41 | **65g** |

| 34g | 116 | 156 | 156 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.77** | **0.22** | **9.93** | |
| **05 oo** | 73294 | 26583 | 73417 | 46711 | **95 oo** |
| 10 | 73409 | 26738 | 73262 | 46671 | 90 |
| 20 | 73524 | 26894 | 73106 | 46630 | 80 |
| 30 | 73639 | 27049 | 72951 | 46590 | 70 |
| 40 | 73754 | 27205 | 72795 | 46549 | 60 |
| 50 | 73869 | 27360 | 72640 | 46509 | 50 |
| 60 | 73984 | 27516 | 72484 | 46469 | 40 |
| 70 | 74100 | 27671 | 72329 | 46428 | 30 |
| 80 | 74215 | 27827 | 72173 | 46388 | 20 |
| 90 | 74330 | 27983 | 72017 | 46347 | 10 |
| **06 oo** | 74445 | 28138 | 71862 | 46307 | **94 oo** |
| 10 | 74560 | 28294 | 71706 | 46266 | 90 |
| 20 | 74675 | 28449 | 71551 | 46226 | 80 |
| 30 | 74790 | 28605 | 71395 | 46186 | 70 |
| 40 | 74905 | 28760 | 71240 | 46145 | 60 |
| 50 | 75020 | 28916 | 71084 | 46105 | 50 |
| 60 | 75135 | 29071 | 70929 | 46064 | 40 |
| 70 | 75250 | 29227 | 70773 | 46024 | 30 |
| 80 | 75366 | 29382 | 70618 | 45983 | 20 |
| 90 | 75481 | 29538 | 70462 | 45943 | 10 |
| **07 oo** | 75596 | 29693 | 70307 | 45902 | **93 oo** |
| 10 | 75711 | 29849 | 70151 | 45862 | 90 |
| 20 | 75826 | 30004 | 69996 | 45822 | 80 |
| 30 | 75941 | 30160 | 69840 | 45781 | 70 |
| 40 | 76056 | 30315 | 69685 | 45741 | 60 |
| 50 | 76171 | 30471 | 69529 | 45700 | 50 |
| 60 | 76286 | 30626 | 69374 | 45660 | 40 |
| 70 | 76401 | 30782 | 69218 | 45619 | 30 |
| 80 | 76516 | 30937 | 69063 | 45579 | 20 |
| 90 | 76631 | 31093 | 68907 | 45538 | 10 |
| **08 oo** | 76746 | 31248 | 68752 | 45498 | **92 oo** |
| 10 | 76861 | 31404 | 68596 | 45457 | 90 |
| 20 | 76976 | 31559 | 68441 | 45417 | 80 |
| 30 | 77091 | 31715 | 68285 | 45377 | 70 |
| 40 | 77206 | 31870 | 68130 | 45336 | 60 |
| 50 | 77321 | 32026 | 67974 | 45296 | 50 |
| 60 | 77436 | 32181 | 67819 | 45255 | 40 |
| 70 | 77551 | 32337 | 67663 | 45215 | 30 |
| 80 | 77666 | 32492 | 67508 | 45174 | 20 |
| 90 | 77781 | 32647 | 67353 | 45134 | 10 |
| **09 oo** | 77896 | 32803 | 67197 | 45093 | **91 oo** |
| 10 | 78011 | 32958 | 67042 | 45053 | 90 |
| 20 | 78126 | 33114 | 66886 | 45012 | 80 |
| 30 | 78241 | 33269 | 66731 | 44972 | 70 |
| 40 | 78356 | 33425 | 66575 | 44931 | 60 |
| 50 | 78471 | 33580 | 66420 | 44891 | 50 |
| 60 | 78586 | 33736 | 66264 | 44850 | 40 |
| 70 | 78701 | 33891 | 66109 | 44810 | 30 |
| 80 | 78816 | 34046 | 65954 | 44769 | 20 |
| 90 | 78931 | 34202 | 65798 | 44729 | 10 |
| **10 oo** | 79046 | 34357 | 65643 | 44688 | **90 oo** |
| | **9.70** | **9.77** | **0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 115 | 155 | 155 | 41 | **65g** |

| | 156 | 155 | 116 | 115 | 41 | 40 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,6 | 15,5 | 11,6 | 11,5 | 4,1 | 4,0 | 1 |
| 2 | 31,2 | 31,0 | 23,2 | 23,0 | 8,2 | 8,0 | 2 |
| 3 | 46,8 | 46,5 | 34,8 | 34,5 | 12,3 | 12,0 | 3 |
| 4 | 62,4 | 62,0 | 46,4 | 46,0 | 16,4 | 16,0 | 4 |
| 5 | 78,0 | 77,5 | 58,0 | 57,5 | 20,5 | 20,0 | 5 |
| 6 | 93,6 | 93,0 | 69,6 | 69,0 | 24,6 | 24,0 | 6 |
| 7 | 109,2 | 108,5 | 81,2 | 80,5 | 28,7 | 28,0 | 7 |
| 8 | 124,8 | 124,0 | 92,8 | 92,0 | 32,8 | 32,0 | 8 |
| 9 | 140,4 | 139,5 | 104,4 | 103,5 | 36,9 | 36,0 | 9 |

| 34g | 115 | 156 | 156 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.77** | **0.22** | **9.93** | |
| **10 oo** | 79046 | 34357 | 65643 | 44688 | **90 oo** |
| 10 | 79161 | 34513 | 65487 | 44648 | 90 |
| 20 | 79276 | 34668 | 65332 | 44607 | 80 |
| 30 | 79391 | 34824 | 65176 | 44567 | 70 |
| 40 | 79505 | 34979 | 65021 | 44526 | 60 |
| 50 | 79620 | 35134 | 64866 | 44486 | 50 |
| 60 | 79735 | 35290 | 64710 | 44445 | 40 |
| 70 | 79850 | 35445 | 64555 | 44405 | 30 |
| 80 | 79965 | 35601 | 64399 | 44364 | 20 |
| 90 | 80080 | 35756 | 64244 | 44324 | 10 |
| **11 oo** | 80195 | 35911 | 64089 | 44283 | **89 oo** |
| 10 | 80310 | 36067 | 63933 | 44243 | 90 |
| 20 | 80425 | 36222 | 63778 | 44202 | 80 |
| 30 | 80540 | 36378 | 63622 | 44162 | 70 |
| 40 | 80654 | 36533 | 63467 | 44121 | 60 |
| 50 | 80769 | 36688 | 63312 | 44081 | 50 |
| 60 | 80884 | 36844 | 63156 | 44040 | 40 |
| 70 | 80999 | 36999 | 63001 | 44000 | 30 |
| 80 | 81114 | 37155 | 62845 | 43959 | 20 |
| 90 | 81229 | 37310 | 62690 | 43919 | 10 |
| **12 oo** | 81344 | 37465 | 62535 | 43878 | **88 oo** |
| 10 | 81459 | 37621 | 62379 | 43838 | 90 |
| 20 | 81573 | 37776 | 62224 | 43797 | 80 |
| 30 | 81688 | 37931 | 62069 | 43757 | 70 |
| 40 | 81803 | 38087 | 61913 | 43716 | 60 |
| 50 | 81918 | 38242 | 61758 | 43676 | 50 |
| 60 | 82033 | 38398 | 61602 | 43635 | 40 |
| 70 | 82148 | 38553 | 61447 | 43595 | 30 |
| 80 | 82262 | 38708 | 61292 | 43554 | 20 |
| 90 | 82377 | 38864 | 61136 | 43514 | 10 |
| **13 oo** | 82492 | 39019 | 60981 | 43473 | **87 oo** |
| 10 | 82607 | 39174 | 60826 | 43433 | 90 |
| 20 | 82722 | 39330 | 60670 | 43392 | 80 |
| 30 | 82836 | 39485 | 60515 | 43351 | 70 |
| 40 | 82951 | 39640 | 60360 | 43311 | 60 |
| 50 | 83066 | 39796 | 60204 | 43270 | 50 |
| 60 | 83181 | 39951 | 60049 | 43230 | 40 |
| 70 | 83296 | 40106 | 59894 | 43189 | 30 |
| 80 | 83410 | 40262 | 59738 | 43149 | 20 |
| 90 | 83525 | 40417 | 59583 | 43108 | 10 |
| **14 oo** | 83640 | 40572 | 59428 | 43068 | **86 oo** |
| 10 | 83755 | 40728 | 59272 | 43027 | 90 |
| 20 | 83870 | 40883 | 59117 | 42987 | 80 |
| 30 | 83984 | 41038 | 58962 | 42946 | 70 |
| 40 | 84099 | 41194 | 58806 | 42905 | 60 |
| 50 | 84214 | 41349 | 58651 | 42865 | 50 |
| 60 | 84329 | 41504 | 58496 | 42824 | 40 |
| 70 | 84443 | 41660 | 58340 | 42784 | 30 |
| 80 | 84558 | 41815 | 58185 | 42743 | 20 |
| 90 | 84673 | 41970 | 58030 | 42703 | 10 |
| **15 oo** | 84788 | 42125 | 57875 | 42662 | **85 oo** |
| | **9.70** | **9.77** | **0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 65g |
| | 114 | 155 | 155 | 41 | |

| 34g | 115 | 156 | 156 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.77** | **0.22** | **9.93** | |
| **15 oo** | 84788 | 42125 | 57875 | 42662 | **85 oo** |
| 10 | 84902 | 42281 | 57719 | 42622 | 90 |
| 20 | 85017 | 42436 | 57564 | 42581 | 80 |
| 30 | 85132 | 42591 | 57409 | 42540 | 70 |
| 40 | 85246 | 42747 | 57253 | 42500 | 60 |
| 50 | 85361 | 42902 | 57098 | 42459 | 50 |
| 60 | 85476 | 43057 | 56943 | 42419 | 40 |
| 70 | 85591 | 43212 | 56788 | 42378 | 30 |
| 80 | 85705 | 43368 | 56632 | 42338 | 20 |
| 90 | 85820 | 43523 | 56477 | 42297 | 10 |
| **16 oo** | 85935 | 43678 | 56322 | 42256 | **84 oo** |
| 10 | 86049 | 43834 | 56166 | 42216 | 90 |
| 20 | 86164 | 43989 | 56011 | 42175 | 80 |
| 30 | 86279 | 44144 | 55856 | 42135 | 70 |
| 40 | 86393 | 44299 | 55701 | 42094 | 60 |
| 50 | 86508 | 44455 | 55545 | 42054 | 50 |
| 60 | 86623 | 44610 | 55390 | 42013 | 40 |
| 70 | 86737 | 44765 | 55235 | 41972 | 30 |
| 80 | 86852 | 44920 | 55080 | 41932 | 20 |
| 90 | 86967 | 45076 | 54924 | 41891 | 10 |
| **17 oo** | 87081 | 45231 | 54769 | 41851 | **83 oo** |
| 10 | 87196 | 45386 | 54614 | 41810 | 90 |
| 20 | 87311 | 45541 | 54459 | 41769 | 80 |
| 30 | 87425 | 45697 | 54303 | 41729 | 70 |
| 40 | 87540 | 45852 | 54148 | 41688 | 60 |
| 50 | 87655 | 46007 | 53993 | 41648 | 50 |
| 60 | 87769 | 46162 | 53838 | 41607 | 40 |
| 70 | 87884 | 46317 | 53683 | 41566 | 30 |
| 80 | 87998 | 46473 | 53527 | 41526 | 20 |
| 90 | 88113 | 46628 | 53372 | 41485 | 10 |
| **18 oo** | 88228 | 46783 | 53217 | 41445 | **82 oo** |
| 10 | 88342 | 46938 | 53062 | 41404 | 90 |
| 20 | 88457 | 47094 | 52906 | 41363 | 80 |
| 30 | 88572 | 47249 | 52751 | 41323 | 70 |
| 40 | 88686 | 47404 | 52596 | 41282 | 60 |
| 50 | 88801 | 47559 | 52441 | 41242 | 50 |
| 60 | 88915 | 47714 | 52286 | 41201 | 40 |
| 70 | 89030 | 47870 | 52130 | 41160 | 30 |
| 80 | 89144 | 48025 | 51975 | 41120 | 20 |
| 90 | 89259 | 48180 | 51820 | 41079 | 10 |
| **19 oo** | 89374 | 48335 | 51665 | 41038 | **81 oo** |
| 10 | 89488 | 48490 | 51510 | 40998 | 90 |
| 20 | 89603 | 48645 | 51355 | 40957 | 80 |
| 30 | 89717 | 48801 | 51199 | 40917 | 70 |
| 40 | 89832 | 48956 | 51044 | 40876 | 60 |
| 50 | 89946 | 49111 | 50889 | 40835 | 50 |
| 60 | 90061 | 49266 | 50734 | 40795 | 40 |
| 70 | 90176 | 49421 | 50579 | 40754 | 30 |
| 80 | 90290 | 49577 | 50423 | 40713 | 20 |
| 90 | 90405 | 49732 | 50268 | 40673 | 10 |
| **20 oo** | 90519 | 49887 | 50113 | 40632 | **80 oo** |
| | **9.70** | **9.77** | **0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 65g |
| | 114 | 155 | 155 | 41 | |

| | 156 | 155 | 115 | 114 | 41 | 40 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,6 | 15,5 | 11,5 | 11,4 | 4,1 | 4,0 | 1 |
| 2 | 31,2 | 31,0 | 23,0 | 22,8 | 8,2 | 8,0 | 2 |
| 3 | 46,8 | 46,5 | 34,5 | 34,2 | 12,3 | 12,0 | 3 |
| 4 | 62,4 | 62,0 | 46,0 | 45,6 | 16,4 | 16,0 | 4 |
| 5 | 78,0 | 77,5 | 57,5 | 57,0 | 20,5 | 20,0 | 5 |
| 6 | 93,6 | 93,0 | 69,0 | 68,4 | 24,6 | 24,0 | 6 |
| 7 | 109,2 | 108,5 | 80,5 | 79,8 | 28,7 | 28,0 | 7 |
| 8 | 124,8 | 124,0 | 92,0 | 91,2 | 32,8 | 32,0 | 8 |
| 9 | 140,4 | 139,5 | 103,5 | 102,6 | 36,9 | 36,0 | 9 |

| $34^g$ | 115 | 156 | 156 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.77** | **0.22** | **9.93** | |
| **20 oo** | 90519 | 49887 | 50113 | 40632 | **80 oo** |
| 10 | 90634 | 50042 | 49958 | 40592 | 90 |
| 20 | 90748 | 50197 | 49803 | 40551 | 80 |
| 30 | 90863 | 50352 | 49648 | 40510 | 70 |
| 40 | 90977 | 50508 | 49492 | 40470 | 60 |
| 50 | 91092 | 50663 | 49337 | 40429 | 50 |
| 60 | 91206 | 50818 | 49182 | 40388 | 40 |
| 70 | 91321 | 50973 | 49027 | 40348 | 30 |
| 80 | 91435 | 51128 | 48872 | 40307 | 20 |
| 90 | 91550 | 51283 | 48717 | 40266 | 10 |
| **21 oo** | 91664 | 51438 | 48562 | 40226 | **79 oo** |
| 10 | 91779 | 51594 | 48406 | 40185 | 90 |
| 20 | 91893 | 51749 | 48251 | 40145 | 80 |
| 30 | 92008 | 51904 | 48096 | 40104 | 70 |
| 40 | 92122 | 52059 | 47941 | 40063 | 60 |
| 50 | 92237 | 52214 | 47786 | 40023 | 50 |
| 60 | 92351 | 52369 | 47631 | 39982 | 40 |
| 70 | 92466 | 52524 | 47476 | 39941 | 30 |
| 80 | 92580 | 52679 | 47321 | 39901 | 20 |
| 90 | 92694 | 52835 | 47165 | 39860 | 10 |
| **22 oo** | 92809 | 52990 | 47010 | 39819 | **78 oo** |
| 10 | 92923 | 53145 | 46855 | 39779 | 90 |
| 20 | 93038 | 53300 | 46700 | 39738 | 80 |
| 30 | 93152 | 53455 | 46545 | 39697 | 70 |
| 40 | 93267 | 53610 | 46390 | 39657 | 60 |
| 50 | 93381 | 53765 | 46235 | 39616 | 50 |
| 60 | 93495 | 53920 | 46080 | 39575 | 40 |
| 70 | 93610 | 54075 | 45925 | 39535 | 30 |
| 80 | 93724 | 54230 | 45770 | 39494 | 20 |
| 90 | 93839 | 54386 | 45614 | 39453 | 10 |
| **23 oo** | 93953 | 54541 | 45459 | 39413 | **77 oo** |
| 10 | 94068 | 54696 | 45304 | 39372 | 90 |
| 20 | 94182 | 54851 | 45149 | 39331 | 80 |
| 30 | 94296 | 55006 | 44994 | 39291 | 70 |
| 40 | 94411 | 55161 | 44839 | 39250 | 60 |
| 50 | 94525 | 55316 | 44684 | 39209 | 50 |
| 60 | 94640 | 55471 | 44529 | 39168 | 40 |
| 70 | 94754 | 55626 | 44374 | 39128 | 30 |
| 80 | 94868 | 55781 | 44219 | 39087 | 20 |
| 90 | 94983 | 55936 | 44064 | 39046 | 10 |
| **24 oo** | 95097 | 56091 | 43909 | 39006 | **76 oo** |
| 10 | 95211 | 56246 | 43754 | 38965 | 90 |
| 20 | 95326 | 56401 | 43599 | 38924 | 80 |
| 30 | 95440 | 56556 | 43444 | 38884 | 70 |
| 40 | 95554 | 56712 | 43288 | 38843 | 60 |
| 50 | 95669 | 56867 | 43133 | 38802 | 50 |
| 60 | 95783 | 57022 | 42978 | 38762 | 40 |
| 70 | 95897 | 57177 | 42823 | 38721 | 30 |
| 80 | 96012 | 57332 | 42668 | 38680 | 20 |
| 90 | 96126 | 57487 | 42513 | 38639 | 10 |
| **25 oo** | 96240 | 57642 | 42358 | 38599 | **75 oo** |
| | **9.70** | **9.77** | **0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | $65^g$ |
| | 114 | 155 | 155 | 41 | |

| $34^g$ | 115 | 155 | 155 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.70** | **9.77** | **0.22** | **9.93** | |
| **25 oo** | 96240 | 57642 | 42358 | 38599 | **75 oo** |
| 10 | 96355 | 57797 | 42203 | 38558 | 90 |
| 20 | 96469 | 57952 | 42048 | 38517 | 80 |
| 30 | 96583 | 58107 | 41893 | 38477 | 70 |
| 40 | 96698 | 58262 | 41738 | 38436 | 60 |
| 50 | 96812 | 58417 | 41583 | 38395 | 50 |
| 60 | 96926 | 58572 | 41428 | 38354 | 40 |
| 70 | 97041 | 58727 | 41273 | 38314 | 30 |
| 80 | 97155 | 58882 | 41118 | 38273 | 20 |
| 90 | 97269 | 59037 | 40963 | 38232 | 10 |
| **26 oo** | 97383 | 59192 | 40808 | 38192 | **74 oo** |
| 10 | 97498 | 59347 | 40653 | 38151 | 90 |
| 20 | 97612 | 59502 | 40498 | 38110 | 80 |
| 30 | 97726 | 59657 | 40343 | 38069 | 70 |
| 40 | 97841 | 59812 | 40188 | 38029 | 60 |
| 50 | 97955 | 59967 | 40033 | 37988 | 50 |
| 60 | 98069 | 60122 | 39878 | 37947 | 40 |
| 70 | 98183 | 60277 | 39723 | 37906 | 30 |
| 80 | 98298 | 60432 | 39568 | 37866 | 20 |
| 90 | 98412 | 60587 | 39413 | 37825 | 10 |
| **27 oo** | 98526 | 60742 | 39258 | 37784 | **73 oo** |
| 10 | 98640 | 60897 | 39103 | 37744 | 90 |
| 20 | 98755 | 61052 | 38948 | 37703 | 80 |
| 30 | 98869 | 61207 | 38793 | 37662 | 70 |
| 40 | 98983 | 61362 | 38638 | 37621 | 60 |
| 50 | 99097 | 61517 | 38483 | 37581 | 50 |
| 60 | 99212 | 61672 | 38328 | 37540 | 40 |
| 70 | 99326 | 61827 | 38173 | 37499 | 30 |
| 80 | 99440 | 61982 | 38018 | 37458 | 20 |
| 90 | 99554 | 62137 | 37863 | 37418 | 10 |
| **28 oo** | 99668 | 62292 | 37708 | 37377 | **72 oo** |
| 10 | 99783 | 62446 | 37554 | 37336 | 90 |
| 20 | 99897 | 62601 | 37399 | 37295 | 80 |
| 30 | *00011 | 62756 | 37244 | 37255 | 70 |
| 40 | *00125 | 62911 | 37089 | 37214 | 60 |
| 50 | *00239 | 63066 | 36934 | 37173 | 50 |
| 60 | *00353 | 63221 | 36779 | 37132 | 40 |
| 70 | *00468 | 63376 | 36624 | 37092 | 30 |
| 80 | *00582 | 63531 | 36469 | 37051 | 20 |
| 90 | *00696 | 63686 | 36314 | 37010 | 10 |
| **29 oo** | *00810 | 63841 | 36159 | 36969 | **71 oo** |
| 10 | *00924 | 63996 | 36004 | 36928 | 90 |
| 20 | *01038 | 64151 | 35849 | 36888 | 80 |
| 30 | *01153 | 64306 | 35694 | 36847 | 70 |
| 40 | *01267 | 64461 | 35539 | 36806 | 60 |
| 50 | *01381 | 64616 | 35384 | 36765 | 50 |
| 60 | *01495 | 64770 | 35230 | 36725 | 40 |
| 70 | *01609 | 64925 | 35075 | 36684 | 30 |
| 80 | *01723 | 65080 | 34920 | 36643 | 20 |
| 90 | *01837 | 65235 | 34765 | 36602 | 10 |
| **30 oo** | *01952 | 65390 | 34610 | 36562 | **70 oo** |
| | ***9.71** | **9.77** | **0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | $65^g$ |
| | 114 | 154 | 154 | 41 | |

| | 156 | 155 | 154 | 115 | 114 | 41 | 40 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,6 | 15,5 | 15,4 | 11,5 | 11,4 | 4,1 | 4,0 | 1 |
| 2 | 31,2 | 31,0 | 30,8 | 23,0 | 22,8 | 8,2 | 8,0 | 2 |
| 3 | 46,8 | 46,5 | 46,2 | 34,5 | 34,2 | 12,3 | 12,0 | 3 |
| 4 | 62,4 | 62,0 | 61,6 | 46,0 | 45,6 | 16,4 | 16,0 | 4 |
| 5 | 78,0 | 77,5 | 77,0 | 57,5 | 57,0 | 20,5 | 20,0 | 5 |
| 6 | 93,6 | 93,0 | 92,4 | 69,0 | 68,4 | 24,6 | 24,0 | 6 |
| 7 | 109,2 | 108,5 | 107,8 | 80,5 | 79,8 | 28,7 | 28,0 | 7 |
| 8 | 124,8 | 124,0 | 123,2 | 92,0 | 91,2 | 32,8 | 32,0 | 8 |
| 9 | 140,4 | 139,5 | 138,6 | 103,5 | 102,6 | 36,9 | 36,0 | 9 |

| 34g | 115 | 155 | 155 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.77** | **0.22** | **9.93** | |
| **30 oo** | 01952 | 65390 | 34610 | 36562 | **70 oo** |
| 10 | 02066 | 65545 | 34455 | 36521 | 90 |
| 20 | 02180 | 65700 | 34300 | 36480 | 80 |
| 30 | 02294 | 65855 | 34145 | 36439 | 70 |
| 40 | 02408 | 66010 | 33990 | 36398 | 60 |
| 50 | 02522 | 66165 | 33835 | 36358 | 50 |
| 60 | 02636 | 66319 | 33681 | 36317 | 40 |
| 70 | 02750 | 66474 | 33526 | 36276 | 30 |
| 80 | 02864 | 66629 | 33371 | 36235 | 20 |
| 90 | 02979 | 66784 | 33216 | 36194 | 10 |
| **31 oo** | 03093 | 66939 | 33061 | 36154 | **69 oo** |
| 10 | 03207 | 67094 | 32906 | 36113 | 90 |
| 20 | 03321 | 67249 | 32751 | 36072 | 80 |
| 30 | 03435 | 67404 | 32596 | 36031 | 70 |
| 40 | 03549 | 67558 | 32442 | 35990 | 60 |
| 50 | 03663 | 67713 | 32287 | 35950 | 50 |
| 60 | 03777 | 67868 | 32132 | 35909 | 40 |
| 70 | 03891 | 68023 | 31977 | 35868 | 30 |
| 80 | 04005 | 68178 | 31822 | 35827 | 20 |
| 90 | 04119 | 68333 | 31667 | 35786 | 10 |
| **32 oo** | 04233 | 68488 | 31512 | 35746 | **68 oo** |
| 10 | 04347 | 68642 | 31358 | 35705 | 90 |
| 20 | 04461 | 68797 | 31203 | 35664 | 80 |
| 30 | 04575 | 68952 | 31048 | 35623 | 70 |
| 40 | 04689 | 69107 | 30893 | 35582 | 60 |
| 50 | 04803 | 69262 | 30738 | 35542 | 50 |
| 60 | 04917 | 69417 | 30583 | 35501 | 40 |
| 70 | 05031 | 69571 | 30429 | 35460 | 30 |
| 80 | 05145 | 69726 | 30274 | 35419 | 20 |
| 90 | 05259 | 69881 | 30119 | 35378 | 10 |
| **33 oo** | 05373 | 70036 | 29964 | 35337 | **67 oo** |
| 10 | 05487 | 70191 | 29809 | 35297 | 90 |
| 20 | 05601 | 70346 | 29654 | 35256 | 80 |
| 30 | 05715 | 70500 | 29500 | 35215 | 70 |
| 40 | 05829 | 70655 | 29345 | 35174 | 60 |
| 50 | 05943 | 70810 | 29190 | 35133 | 50 |
| 60 | 06057 | 70965 | 29035 | 35093 | 40 |
| 70 | 06171 | 71120 | 28880 | 35052 | 30 |
| 80 | 06285 | 71274 | 28726 | 35011 | 20 |
| 90 | 06399 | 71429 | 28571 | 34970 | 10 |
| **34 oo** | 06513 | 71584 | 28416 | 34929 | **66 oo** |
| 10 | 06627 | 71739 | 28261 | 34888 | 90 |
| 20 | 06741 | 71894 | 28106 | 34848 | 80 |
| 30 | 06855 | 72048 | 27952 | 34807 | 70 |
| 40 | 06969 | 72203 | 27797 | 34766 | 60 |
| 50 | 07083 | 72358 | 27642 | 34725 | 50 |
| 60 | 07197 | 72513 | 27487 | 34684 | 40 |
| 70 | 07311 | 72667 | 27333 | 34643 | 30 |
| 80 | 07425 | 72822 | 27178 | 34602 | 20 |
| 90 | 07539 | 72977 | 27023 | 34562 | 10 |
| **35 oo** | 07653 | 73132 | 26868 | 34521 | **65 oo** |
| | **9.71** | **9.77** | **0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **65g** |
| | 114 | 154 | 154 | 41 | |

| 34g | 114 | 155 | 155 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.77** | **0.22** | **9.93** | |
| **35 oo** | 07653 | 73132 | 26868 | 34521 | **65 oo** |
| 10 | 07766 | 73287 | 26713 | 34480 | 90 |
| 20 | 07880 | 73441 | 26559 | 34439 | 80 |
| 30 | 07994 | 73596 | 26404 | 34398 | 70 |
| 40 | 08108 | 73751 | 26249 | 34357 | 60 |
| 50 | 08222 | 73906 | 26094 | 34316 | 50 |
| 60 | 08336 | 74060 | 25940 | 34276 | 40 |
| 70 | 08450 | 74215 | 25785 | 34235 | 30 |
| 80 | 08564 | 74370 | 25630 | 34194 | 20 |
| 90 | 08678 | 74525 | 25475 | 34153 | 10 |
| **36 oo** | 08792 | 74679 | 25321 | 34112 | **64 oo** |
| 10 | 08905 | 74834 | 25166 | 34071 | 90 |
| 20 | 09019 | 74989 | 25011 | 34030 | 80 |
| 30 | 09133 | 75144 | 24856 | 33990 | 70 |
| 40 | 09247 | 75298 | 24702 | 33949 | 60 |
| 50 | 09361 | 75453 | 24547 | 33908 | 50 |
| 60 | 09475 | 75608 | 24392 | 33867 | 40 |
| 70 | 09589 | 75763 | 24237 | 33826 | 30 |
| 80 | 09702 | 75917 | 24083 | 33785 | 20 |
| 90 | 09816 | 76072 | 23928 | 33744 | 10 |
| **37 oo** | 09930 | 76227 | 23773 | 33703 | **63 oo** |
| 10 | 10044 | 76381 | 23619 | 33663 | 90 |
| 20 | 10158 | 76536 | 23464 | 33622 | 80 |
| 30 | 10272 | 76691 | 23309 | 33581 | 70 |
| 40 | 10385 | 76846 | 23154 | 33540 | 60 |
| 50 | 10499 | 77000 | 23000 | 33499 | 50 |
| 60 | 10613 | 77155 | 22845 | 33458 | 40 |
| 70 | 10727 | 77310 | 22690 | 33417 | 30 |
| 80 | 10841 | 77464 | 22536 | 33376 | 20 |
| 90 | 10954 | 77619 | 22381 | 33335 | 10 |
| **38 oo** | 11068 | 77774 | 22226 | 33295 | **62 oo** |
| 10 | 11182 | 77928 | 22072 | 33254 | 90 |
| 20 | 11296 | 78083 | 21917 | 33213 | 80 |
| 30 | 11410 | 78238 | 21762 | 33172 | 70 |
| 40 | 11523 | 78392 | 21608 | 33131 | 60 |
| 50 | 11637 | 78547 | 21453 | 33090 | 50 |
| 60 | 11751 | 78702 | 21298 | 33049 | 40 |
| 70 | 11865 | 78857 | 21143 | 33008 | 30 |
| 80 | 11978 | 79011 | 20989 | 32967 | 20 |
| 90 | 12092 | 79166 | 20834 | 32926 | 10 |
| **39 oo** | 12206 | 79321 | 20679 | 32885 | **61 oo** |
| 10 | 12320 | 79475 | 20525 | 32845 | 90 |
| 20 | 12434 | 79630 | 20370 | 32804 | 80 |
| 30 | 12547 | 79785 | 20215 | 32763 | 70 |
| 40 | 12661 | 79939 | 20061 | 32722 | 60 |
| 50 | 12775 | 80094 | 19906 | 32681 | 50 |
| 60 | 12888 | 80248 | 19752 | 32640 | 40 |
| 70 | 13002 | 80403 | 19597 | 32599 | 30 |
| 80 | 13116 | 80558 | 19442 | 32558 | 20 |
| 90 | 13230 | 80712 | 19288 | 32517 | 10 |
| **40 oo** | 13343 | 80867 | 19133 | 32476 | **60 oo** |
| | **9.71** | **9.77** | **0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **65g** |
| | 113 | 154 | 154 | 41 | |

| | 155 | 154 | 115 | 114 | 113 | 41 | 40 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,5 | 15,4 | 11,5 | 11,4 | 11,3 | 4,1 | 4,0 | 1 |
| 2 | 31,0 | 30,8 | 23,0 | 22,8 | 22,6 | 8,2 | 8,0 | 2 |
| 3 | 46,5 | 46,2 | 34,5 | 34,2 | 33,9 | 12,3 | 12,0 | 3 |
| 4 | 62,0 | 61,6 | 46,0 | 45,6 | 45,2 | 16,4 | 16,0 | 4 |
| 5 | 77,5 | 77,0 | 57,5 | 57,0 | 56,5 | 20,5 | 20,0 | 5 |
| 6 | 93,0 | 92,4 | 69,0 | 68,4 | 67,8 | 24,6 | 24,0 | 6 |
| 7 | 108,5 | 107,8 | 80,5 | 79,8 | 79,1 | 28,7 | 28,0 | 7 |
| 8 | 124,0 | 123,2 | 92,0 | 91,2 | 90,4 | 32,8 | 32,0 | 8 |
| 9 | 139,5 | 138,6 | 103,5 | 102,6 | 101,7 | 36,9 | 36,0 | 9 |

| 34g | 114 | 155 | 155 | 40 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.77** | **0.22** | **9.93** | |
| **40 oo** | 13343 | 80867 | 19133 | 32476 | **60 oo** |
| 10 | 13457 | 81022 | 18978 | 32435 | 90 |
| 20 | 13571 | 81176 | 18824 | 32394 | 80 |
| 30 | 13684 | 81331 | 18669 | 32354 | 70 |
| 40 | 13798 | 81486 | 18514 | 32313 | 60 |
| 50 | 13912 | 81640 | 18360 | 32272 | 50 |
| 60 | 14026 | 81795 | 18205 | 32231 | 40 |
| 70 | 14139 | 81949 | 18051 | 32190 | 30 |
| 80 | 14253 | 82104 | 17896 | 32149 | 20 |
| 90 | 14367 | 82259 | 17741 | 32108 | 10 |
| **41 oo** | 14480 | 82413 | 17587 | 32067 | **59 oo** |
| 10 | 14594 | 82568 | 17432 | 32026 | 90 |
| 20 | 14708 | 82723 | 17277 | 31985 | 80 |
| 30 | 14821 | 82877 | 17123 | 31944 | 70 |
| 40 | 14935 | 83032 | 16968 | 31903 | 60 |
| 50 | 15049 | 83186 | 16814 | 31862 | 50 |
| 60 | 15162 | 83341 | 16659 | 31821 | 40 |
| 70 | 15276 | 83496 | 16504 | 31780 | 30 |
| 80 | 15390 | 83650 | 16350 | 31739 | 20 |
| 90 | 15503 | 83805 | 16195 | 31698 | 10 |
| **42 oo** | 15617 | 83959 | 16041 | 31657 | **58 oo** |
| 10 | 15730 | 84114 | 15886 | 31617 | 90 |
| 20 | 15844 | 84269 | 15731 | 31576 | 80 |
| 30 | 15958 | 84423 | 15577 | 31535 | 70 |
| 40 | 16071 | 84578 | 15422 | 31494 | 60 |
| 50 | 16185 | 84732 | 15268 | 31453 | 50 |
| 60 | 16299 | 84887 | 15113 | 31412 | 40 |
| 70 | 16412 | 85041 | 14959 | 31371 | 30 |
| 80 | 16526 | 85196 | 14804 | 31330 | 20 |
| 90 | 16639 | 85351 | 14649 | 31289 | 10 |
| **43 oo** | 16753 | 85505 | 14495 | 31248 | **57 oo** |
| 10 | 16867 | 85660 | 14340 | 31207 | 90 |
| 20 | 16980 | 85814 | 14186 | 31166 | 80 |
| 30 | 17094 | 85969 | 14031 | 31125 | 70 |
| 40 | 17207 | 86123 | 13877 | 31084 | 60 |
| 50 | 17321 | 86278 | 13722 | 31043 | 50 |
| 60 | 17434 | 86432 | 13568 | 31002 | 40 |
| 70 | 17548 | 86587 | 13413 | 30961 | 30 |
| 80 | 17662 | 86742 | 13258 | 30920 | 20 |
| 90 | 17775 | 86896 | 13104 | 30879 | 10 |
| **44 oo** | 17889 | 87051 | 12949 | 30838 | **56 oo** |
| 10 | 18002 | 87205 | 12795 | 30797 | 90 |
| 20 | 18116 | 87360 | 12640 | 30756 | 80 |
| 30 | 18229 | 87514 | 12486 | 30715 | 70 |
| 40 | 18343 | 87669 | 12331 | 30674 | 60 |
| 50 | 18456 | 87823 | 12177 | 30633 | 50 |
| 60 | 18570 | 87978 | 12022 | 30592 | 40 |
| 70 | 18683 | 88132 | 11868 | 30551 | 30 |
| 80 | 18797 | 88287 | 11713 | 30510 | 20 |
| 90 | 18911 | 88441 | 11559 | 30469 | 10 |
| **45 oo** | 19024 | 88596 | 11404 | 30428 | **55 oo** |
| | **9.71** | **9.77** | **0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 113 | 154 | 154 | 41 | 65g |

| 34g | 114 | 155 | 155 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.77** | **0.22** | **9.93** | |
| **45 oo** | 19024 | 88596 | 11404 | 30428 | **55 oo** |
| 10 | 19138 | 88750 | 11250 | 30387 | 90 |
| 20 | 19251 | 88905 | 11095 | 30346 | 80 |
| 30 | 19365 | 89059 | 10941 | 30305 | 70 |
| 40 | 19478 | 89214 | 10786 | 30264 | 60 |
| 50 | 19592 | 89368 | 10632 | 30223 | 50 |
| 60 | 19705 | 89523 | 10477 | 30182 | 40 |
| 70 | 19819 | 89677 | 10323 | 30141 | 30 |
| 80 | 19932 | 89832 | 10168 | 30100 | 20 |
| 90 | 20046 | 89986 | 10014 | 30059 | 10 |
| **46 oo** | 20159 | 90141 | 09859 | 30018 | **54 oo** |
| 10 | 20272 | 90295 | 09705 | 29977 | 90 |
| 20 | 20386 | 90450 | 09550 | 29936 | 80 |
| 30 | 20499 | 90604 | 09396 | 29895 | 70 |
| 40 | 20613 | 90759 | 09241 | 29854 | 60 |
| 50 | 20726 | 90913 | 09087 | 29813 | 50 |
| 60 | 20840 | 91068 | 08932 | 29772 | 40 |
| 70 | 20953 | 91222 | 08778 | 29731 | 30 |
| 80 | 21067 | 91377 | 08623 | 29690 | 20 |
| 90 | 21180 | 91531 | 08469 | 29649 | 10 |
| **47 oo** | 21293 | 91686 | 08314 | 29608 | **53 oo** |
| 10 | 21407 | 91840 | 08160 | 29567 | 90 |
| 20 | 21520 | 91994 | 08006 | 29526 | 80 |
| 30 | 21634 | 92149 | 07851 | 29485 | 70 |
| 40 | 21747 | 92303 | 07697 | 29444 | 60 |
| 50 | 21861 | 92458 | 07542 | 29403 | 50 |
| 60 | 21974 | 92612 | 07388 | 29362 | 40 |
| 70 | 22087 | 92767 | 07233 | 29321 | 30 |
| 80 | 22201 | 92921 | 07079 | 29280 | 20 |
| 90 | 22314 | 93076 | 06924 | 29239 | 10 |
| **48 oo** | 22428 | 93230 | 06770 | 29198 | **52 oo** |
| 10 | 22541 | 93384 | 06616 | 29157 | 90 |
| 20 | 22654 | 93539 | 06461 | 29116 | 80 |
| 30 | 22768 | 93693 | 06307 | 29074 | 70 |
| 40 | 22881 | 93848 | 06152 | 29033 | 60 |
| 50 | 22995 | 94002 | 05998 | 28992 | 50 |
| 60 | 23108 | 94157 | 05843 | 28951 | 40 |
| 70 | 23221 | 94311 | 05689 | 28910 | 30 |
| 80 | 23335 | 94465 | 05535 | 28869 | 20 |
| 90 | 23448 | 94620 | 05380 | 28828 | 10 |
| **49 oo** | 23561 | 94774 | 05226 | 28787 | **51 oo** |
| 10 | 23675 | 94929 | 05071 | 28746 | 90 |
| 20 | 23788 | 95083 | 04917 | 28705 | 80 |
| 30 | 23901 | 95237 | 04763 | 28664 | 70 |
| 40 | 24015 | 95392 | 04608 | 28623 | 60 |
| 50 | 24128 | 95546 | 04454 | 28582 | 50 |
| 60 | 24241 | 95701 | 04299 | 28541 | 40 |
| 70 | 24355 | 95855 | 04145 | 28500 | 30 |
| 80 | 24468 | 96009 | 03991 | 28459 | 20 |
| 90 | 24581 | 96164 | 03836 | 28418 | 10 |
| **50 oo** | 24695 | 96318 | 03682 | 28376 | **50 oo** |
| | **9.71** | **9.77** | **0.22** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 113 | 154 | 154 | 42 | 65g |

| | 155 | 154 | 114 | 113 | 42 | 41 | 40 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,5 | 15,4 | 11,4 | 11,3 | 4,2 | 4,1 | 4,0 | 1 |
| 2 | 31,0 | 30,8 | 22,8 | 22,6 | 8,4 | 8,2 | 8,0 | 2 |
| 3 | 46,5 | 46,2 | 34,2 | 33,9 | 12,6 | 12,3 | 12,0 | 3 |
| 4 | 62,0 | 61,6 | 45,6 | 45,2 | 16,8 | 16,4 | 16,0 | 4 |
| 5 | 77,5 | 77,0 | 57,0 | 56,5 | 21,0 | 20,5 | 20,0 | 5 |
| 6 | 93,0 | 92,4 | 68,4 | 67,8 | 25,2 | 24,6 | 24,0 | 6 |
| 7 | 108,5 | 107,8 | 79,8 | 79,1 | 29,4 | 28,7 | 28,0 | 7 |
| 8 | 124,0 | 123,2 | 91,2 | 90,4 | 33,6 | 32,8 | 32,0 | 8 |
| 9 | 139,5 | 138,6 | 102,6 | 101,7 | 37,8 | 36,9 | 36,0 | 9 |

| 34g | 114 | 155 | 155 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | ***9.77** | ***0.22** | **9.93** | |
| **50 oo** | 24695 | *96318 | *03682 | 28376 | **50 oo** |
| 10 | 24808 | *96473 | *03527 | 28335 | 90 |
| 20 | 24921 | *96627 | *03373 | 28294 | 80 |
| 30 | 25035 | *96781 | *03219 | 28253 | 70 |
| 40 | 25148 | *96936 | *03064 | 28212 | 60 |
| 50 | 25261 | *97090 | *02910 | 28171 | 50 |
| 60 | 25374 | *97244 | *02756 | 28130 | 40 |
| 70 | 25488 | *97399 | *02601 | 28089 | 30 |
| 80 | 25601 | *97553 | *02447 | 28048 | 20 |
| 90 | 25714 | *97707 | *02293 | 28007 | 10 |
| **51 oo** | 25828 | *97862 | *02138 | 27966 | **49 oo** |
| 10 | 25941 | *98016 | *01984 | 27925 | 90 |
| 20 | 26054 | *98171 | *01829 | 27884 | 80 |
| 30 | 26167 | *98325 | *01675 | 27842 | 70 |
| 40 | 26281 | *98479 | *01521 | 27801 | 60 |
| 50 | 26394 | *98634 | *01366 | 27760 | 50 |
| 60 | 26507 | *98788 | *01212 | 27719 | 40 |
| 70 | 26620 | *98942 | *01058 | 27678 | 30 |
| 80 | 26734 | *99097 | *00903 | 27637 | 20 |
| 90 | 26847 | *99251 | *00749 | 27596 | 10 |
| **52 oo** | 26960 | *99405 | *00595 | 27555 | **48 oo** |
| 10 | 27073 | *99560 | *00440 | 27514 | 90 |
| 20 | 27187 | *99714 | *00286 | 27473 | 80 |
| 30 | 27300 | *99868 | *00132 | 27431 | 70 |
| 40 | 27413 | 00023 | 99977 | 27390 | 60 |
| 50 | 27526 | 00177 | 99823 | 27349 | 50 |
| 60 | 27639 | 00331 | 99669 | 27308 | 40 |
| 70 | 27753 | 00486 | 99514 | 27267 | 30 |
| 80 | 27866 | 00640 | 99360 | 27226 | 20 |
| 90 | 27979 | 00794 | 99206 | 27185 | 10 |
| **53 oo** | 28092 | 00948 | 99052 | 27144 | **47 oo** |
| 10 | 28205 | 01103 | 98897 | 27103 | 90 |
| 20 | 28319 | 01257 | 98743 | 27061 | 80 |
| 30 | 28432 | 01411 | 98589 | 27020 | 70 |
| 40 | 28545 | 01566 | 98434 | 26979 | 60 |
| 50 | 28658 | 01720 | 98280 | 26938 | 50 |
| 60 | 28771 | 01874 | 98126 | 26897 | 40 |
| 70 | 28884 | 02029 | 97971 | 26856 | 30 |
| 80 | 28998 | 02183 | 97817 | 26815 | 20 |
| 90 | 29111 | 02337 | 97663 | 26774 | 10 |
| **54 oo** | 29224 | 02491 | 97509 | 26732 | **46 oo** |
| 10 | 29337 | 02646 | 97354 | 26691 | 90 |
| 20 | 29450 | 02800 | 97200 | 26650 | 80 |
| 30 | 29563 | 02954 | 97046 | 26609 | 70 |
| 40 | 29676 | 03108 | 96892 | 26568 | 60 |
| 50 | 29790 | 03263 | 96737 | 26527 | 50 |
| 60 | 29903 | 03417 | 96583 | 26486 | 40 |
| 70 | 30016 | 03571 | 96429 | 26445 | 30 |
| 80 | 30129 | 03726 | 96274 | 26403 | 20 |
| 90 | 30242 | 03880 | 96120 | 26362 | 10 |
| **55 oo** | 30355 | 04034 | 95966 | 26321 | **45 oo** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 65g |
| | 113 | 154 | 154 | 42 | |

| 34g | 114 | 155 | 155 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.78** | **0.21** | **9.93** | |
| **55 oo** | 30355 | 04034 | 95966 | 26321 | **45 oo** |
| 10 | 30468 | 04188 | 95812 | 26280 | 90 |
| 20 | 30581 | 04343 | 95657 | 26239 | 80 |
| 30 | 30694 | 04497 | 95503 | 26198 | 70 |
| 40 | 30808 | 04651 | 95349 | 26157 | 60 |
| 50 | 30921 | 04805 | 95195 | 26115 | 50 |
| 60 | 31034 | 04960 | 95040 | 26074 | 40 |
| 70 | 31147 | 05114 | 94886 | 26033 | 30 |
| 80 | 31260 | 05268 | 94732 | 25992 | 20 |
| 90 | 31373 | 05422 | 94578 | 25951 | 10 |
| **56 oo** | 31486 | 05576 | 94424 | 25910 | **44 oo** |
| 10 | 31599 | 05731 | 94269 | 25868 | 90 |
| 20 | 31712 | 05885 | 94115 | 25827 | 80 |
| 30 | 31825 | 06039 | 93961 | 25786 | 70 |
| 40 | 31938 | 06193 | 93807 | 25745 | 60 |
| 50 | 32051 | 06348 | 93652 | 25704 | 50 |
| 60 | 32164 | 06502 | 93498 | 25663 | 40 |
| 70 | 32277 | 06656 | 93344 | 25621 | 30 |
| 80 | 32390 | 06810 | 93190 | 25580 | 20 |
| 90 | 32504 | 06964 | 93036 | 25539 | 10 |
| **57 oo** | 32617 | 07119 | 92881 | 25498 | **43 oo** |
| 10 | 32730 | 07273 | 92727 | 25457 | 90 |
| 20 | 32843 | 07427 | 92573 | 25416 | 80 |
| 30 | 32956 | 07581 | 92419 | 25374 | 70 |
| 40 | 33069 | 07735 | 92265 | 25333 | 60 |
| 50 | 33182 | 07890 | 92110 | 25292 | 50 |
| 60 | 33295 | 08044 | 91956 | 25251 | 40 |
| 70 | 33408 | 08198 | 91802 | 25210 | 30 |
| 80 | 33521 | 08352 | 91648 | 25168 | 20 |
| 90 | 33634 | 08506 | 91494 | 25127 | 10 |
| **58 oo** | 33747 | 08661 | 91339 | 25086 | **42 oo** |
| 10 | 33860 | 08815 | 91185 | 25045 | 90 |
| 20 | 33973 | 08969 | 91031 | 25004 | 80 |
| 30 | 34086 | 09123 | 90877 | 24963 | 70 |
| 40 | 34199 | 09277 | 90723 | 24921 | 60 |
| 50 | 34312 | 09431 | 90569 | 24880 | 50 |
| 60 | 34425 | 09586 | 90414 | 24839 | 40 |
| 70 | 34537 | 09740 | 90260 | 24798 | 30 |
| 80 | 34650 | 09894 | 90106 | 24757 | 20 |
| 90 | 34763 | 10048 | 89952 | 24715 | 10 |
| **59 oo** | 34876 | 10202 | 89798 | 24674 | **41 oo** |
| 10 | 34989 | 10356 | 89644 | 24633 | 90 |
| 20 | 35102 | 10510 | 89490 | 24592 | 80 |
| 30 | 35215 | 10665 | 89335 | 24551 | 70 |
| 40 | 35328 | 10819 | 89181 | 24509 | 60 |
| 50 | 35441 | 10973 | 89027 | 24468 | 50 |
| 60 | 35554 | 11127 | 88873 | 24427 | 40 |
| 70 | 35667 | 11281 | 88719 | 24386 | 30 |
| 80 | 35780 | 11435 | 88565 | 24344 | 20 |
| 90 | 35893 | 11589 | 88411 | 24303 | 10 |
| **60 oo** | 36006 | 11744 | 88256 | 24262 | **40 oo** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 65g |
| | 112 | 154 | 154 | 42 | |

| | 155 | 154 | 114 | 113 | 112 | 42 | 41 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,5 | 15,4 | 11,4 | 11,3 | 11,2 | 4,2 | 4,1 | 1 |
| 2 | 31,0 | 30,8 | 22,8 | 22,6 | 22,4 | 8,4 | 8,2 | 2 |
| 3 | 46,5 | 46,2 | 34,2 | 33,9 | 33,6 | 12,6 | 12,3 | 3 |
| 4 | 62,0 | 61,6 | 45,6 | 45,2 | 44,8 | 16,8 | 16,4 | 4 |
| 5 | 77,5 | 77,0 | 57,0 | 56,5 | 56,0 | 21,0 | 20,5 | 5 |
| 6 | 93,0 | 92,4 | 68,4 | 67,8 | 67,2 | 25,2 | 24,6 | 6 |
| 7 | 108,5 | 107,8 | 79,8 | 79,1 | 78,4 | 29,4 | 28,7 | 7 |
| 8 | 124,0 | 123,2 | 91,2 | 90,4 | 89,6 | 33,6 | 32,8 | 8 |
| 9 | 139,5 | 138,6 | 102,6 | 101,7 | 100,8 | 37,8 | 36,9 | 9 |

| 34g | 113 | 155 | 155 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.78** | **0.21** | **9.93** | |
| **60 oo** | 36006 | 11744 | 88256 | 24262 | **40 oo** |
| 10 | 36119 | 11898 | 88102 | 24221 | 90 |
| 20 | 36231 | 12052 | 87948 | 24180 | 80 |
| 30 | 36344 | 12206 | 87794 | 24138 | 70 |
| 40 | 36457 | 12360 | 87640 | 24097 | 60 |
| 50 | 36570 | 12514 | 87486 | 24056 | 50 |
| 60 | 36683 | 12668 | 87332 | 24015 | 40 |
| 70 | 36796 | 12822 | 87178 | 23974 | 30 |
| 80 | 36909 | 12977 | 87023 | 23932 | 20 |
| 90 | 37022 | 13131 | 86869 | 23891 | 10 |
| **61 oo** | 37135 | 13285 | 86715 | 23850 | **39 oo** |
| 10 | 37247 | 13439 | 86561 | 23809 | 90 |
| 20 | 37360 | 13593 | 86407 | 23767 | 80 |
| 30 | 37473 | 13747 | 86253 | 23726 | 70 |
| 40 | 37586 | 13901 | 86099 | 23685 | 60 |
| 50 | 37699 | 14055 | 85945 | 23644 | 50 |
| 60 | 37812 | 14209 | 85791 | 23602 | 40 |
| 70 | 37925 | 14363 | 85637 | 23561 | 30 |
| 80 | 38037 | 14517 | 85483 | 23520 | 20 |
| 90 | 38150 | 14672 | 85328 | 23479 | 10 |
| **62 oo** | 38263 | 14826 | 85174 | 23437 | **38 oo** |
| 10 | 38376 | 14980 | 85020 | 23396 | 90 |
| 20 | 38489 | 15134 | 84866 | 23355 | 80 |
| 30 | 38602 | 15288 | 84712 | 23314 | 70 |
| 40 | 38714 | 15442 | 84558 | 23272 | 60 |
| 50 | 38827 | 15596 | 84404 | 23231 | 50 |
| 60 | 38940 | 15750 | 84250 | 23190 | 40 |
| 70 | 39053 | 15904 | 84096 | 23149 | 30 |
| 80 | 39166 | 16058 | 83942 | 23107 | 20 |
| 90 | 39278 | 16212 | 83788 | 23066 | 10 |
| **63 oo** | 39391 | 16366 | 83634 | 23025 | **37 oo** |
| 10 | 39504 | 16520 | 83480 | 22984 | 90 |
| 20 | 39617 | 16674 | 83326 | 22942 | 80 |
| 30 | 39729 | 16828 | 83172 | 22901 | 70 |
| 40 | 39842 | 16982 | 83018 | 22860 | 60 |
| 50 | 39955 | 17136 | 82864 | 22819 | 50 |
| 60 | 40068 | 17290 | 82710 | 22777 | 40 |
| 70 | 40181 | 17445 | 82555 | 22736 | 30 |
| 80 | 40293 | 17599 | 82401 | 22695 | 20 |
| 90 | 40406 | 17753 | 82247 | 22653 | 10 |
| **64 oo** | 40519 | 17907 | 82093 | 22612 | **36 oo** |
| 10 | 40632 | 18061 | 81939 | 22571 | 90 |
| 20 | 40744 | 18215 | 81785 | 22530 | 80 |
| 30 | 40857 | 18369 | 81631 | 22488 | 70 |
| 40 | 40970 | 18523 | 81477 | 22447 | 60 |
| 50 | 41083 | 18677 | 81323 | 22406 | 50 |
| 60 | 41195 | 18831 | 81169 | 22365 | 40 |
| 70 | 41308 | 18985 | 81015 | 22323 | 30 |
| 80 | 41421 | 19139 | 80861 | 22282 | 20 |
| 90 | 41533 | 19293 | 80707 | 22241 | 10 |
| **65 oo** | 41646 | 19447 | 80553 | 22199 | **35 oo** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 65g |
| | 112 | 154 | 154 | 42 | |

| 34g | 113 | 154 | 154 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.78** | **0.21** | **9.93** | |
| **65 oo** | 41646 | 19447 | 80553 | 22199 | **35 oo** |
| 10 | 41759 | 19601 | 80399 | 22158 | 90 |
| 20 | 41872 | 19755 | 80245 | 22117 | 80 |
| 30 | 41984 | 19909 | 80091 | 22075 | 70 |
| 40 | 42097 | 20063 | 79937 | 22034 | 60 |
| 50 | 42210 | 20217 | 79783 | 21993 | 50 |
| 60 | 42322 | 20371 | 79629 | 21952 | 40 |
| 70 | 42435 | 20525 | 79475 | 21910 | 30 |
| 80 | 42548 | 20679 | 79321 | 21869 | 20 |
| 90 | 42660 | 20833 | 79167 | 21828 | 10 |
| **66 oo** | 42773 | 20987 | 79013 | 21786 | **34 oo** |
| 10 | 42886 | 21141 | 78859 | 21745 | 90 |
| 20 | 42998 | 21295 | 78705 | 21704 | 80 |
| 30 | 43111 | 21449 | 78551 | 21662 | 70 |
| 40 | 43224 | 21602 | 78398 | 21621 | 60 |
| 50 | 43336 | 21756 | 78244 | 21580 | 50 |
| 60 | 43449 | 21910 | 78090 | 21539 | 40 |
| 70 | 43562 | 22064 | 77936 | 21497 | 30 |
| 80 | 43674 | 22218 | 77782 | 21456 | 20 |
| 90 | 43787 | 22372 | 77628 | 21415 | 10 |
| **67 oo** | 43899 | 22526 | 77474 | 21373 | **33 oo** |
| 10 | 44012 | 22680 | 77320 | 21332 | 90 |
| 20 | 44125 | 22834 | 77166 | 21291 | 80 |
| 30 | 44237 | 22988 | 77012 | 21249 | 70 |
| 40 | 44350 | 23142 | 76858 | 21208 | 60 |
| 50 | 44463 | 23296 | 76704 | 21167 | 50 |
| 60 | 44575 | 23450 | 76550 | 21125 | 40 |
| 70 | 44688 | 23604 | 76396 | 21084 | 30 |
| 80 | 44800 | 23758 | 76242 | 21043 | 20 |
| 90 | 44913 | 23912 | 76088 | 21001 | 10 |
| **68 oo** | 45026 | 24066 | 75934 | 20960 | **32 oo** |
| 10 | 45138 | 24220 | 75780 | 20919 | 90 |
| 20 | 45251 | 24373 | 75627 | 20877 | 80 |
| 30 | 45363 | 24527 | 75473 | 20836 | 70 |
| 40 | 45476 | 24681 | 75319 | 20795 | 60 |
| 50 | 45588 | 24835 | 75165 | 20753 | 50 |
| 60 | 45701 | 24989 | 75011 | 20712 | 40 |
| 70 | 45814 | 25143 | 74857 | 20671 | 30 |
| 80 | 45926 | 25297 | 74703 | 20629 | 20 |
| 90 | 46039 | 25451 | 74549 | 20588 | 10 |
| **69 oo** | 46151 | 25605 | 74395 | 20547 | **31 oo** |
| 10 | 46264 | 25759 | 74241 | 20505 | 90 |
| 20 | 46376 | 25912 | 74088 | 20464 | 80 |
| 30 | 46489 | 26066 | 73934 | 20423 | 70 |
| 40 | 46601 | 26220 | 73780 | 20381 | 60 |
| 50 | 46714 | 26374 | 73626 | 20340 | 50 |
| 60 | 46827 | 26528 | 73472 | 20298 | 40 |
| 70 | 46939 | 26682 | 73318 | 20257 | 30 |
| 80 | 47052 | 26836 | 73164 | 20216 | 20 |
| 90 | 47164 | 26990 | 73010 | 20174 | 10 |
| **70 oo** | 47277 | 27144 | 72856 | 20133 | **30 oo** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | 65g |
| | 112 | 153 | 153 | 42 | |

| | 155 | 154 | 153 | 113 | 112 | 42 | 41 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,5 | 15,4 | 15,3 | 11,3 | 11,2 | 4,2 | 4,1 | 1 |
| 2 | 31,0 | 30,8 | 30,6 | 22,6 | 22,4 | 8,4 | 8,2 | 2 |
| 3 | 46,5 | 46,2 | 45,9 | 33,9 | 33,6 | 12,6 | 12,3 | 3 |
| 4 | 62,0 | 61,6 | 61,2 | 45,2 | 44,8 | 16,8 | 16,4 | 4 |
| 5 | 77,5 | 77,0 | 76,5 | 56,5 | 56,0 | 21,0 | 20,5 | 5 |
| 6 | 93,0 | 92,4 | 91,8 | 67,8 | 67,2 | 25,2 | 24,6 | 6 |
| 7 | 108,5 | 107,8 | 107,1 | 79,1 | 78,4 | 29,4 | 28,7 | 7 |
| 8 | 124,0 | 123,2 | 122,4 | 90,4 | 89,6 | 33,6 | 32,8 | 8 |
| 9 | 139,5 | 138,6 | 137,7 | 101,7 | 100,8 | 37,8 | 36,9 | 9 |

| 34g | 113 | 154 | 154 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.78** | **0.21** | **9.93** | |
| **70 oo** | 47277 | 27144 | 72856 | 20133 | **30 oo** |
| 10 | 47389 | 27297 | 72703 | 20092 | 90 |
| 20 | 47502 | 27451 | 72549 | 20050 | 80 |
| 30 | 47614 | 27605 | 72395 | 20009 | 70 |
| 40 | 47727 | 27759 | 72241 | 19968 | 60 |
| 50 | 47839 | 27913 | 72087 | 19926 | 50 |
| 60 | 47952 | 28067 | 71933 | 19885 | 40 |
| 70 | 48064 | 28221 | 71779 | 19843 | 30 |
| 80 | 48177 | 28374 | 71626 | 19802 | 20 |
| 90 | 48289 | 28528 | 71472 | 19761 | 10 |
| **71 oo** | 48401 | 28682 | 71318 | 19719 | **29 oo** |
| 10 | 48514 | 28836 | 71164 | 19678 | 90 |
| 20 | 48626 | 28990 | 71010 | 19637 | 80 |
| 30 | 48739 | 29144 | 70856 | 19595 | 70 |
| 40 | 48851 | 29298 | 70702 | 19554 | 60 |
| 50 | 48964 | 29451 | 70549 | 19512 | 50 |
| 60 | 49076 | 29605 | 70395 | 19471 | 40 |
| 70 | 49189 | 29759 | 70241 | 19430 | 30 |
| 80 | 49301 | 29913 | 70087 | 19388 | 20 |
| 90 | 49414 | 30067 | 69933 | 19347 | 10 |
| **72 oo** | 49526 | 30221 | 69779 | 19305 | **28 oo** |
| 10 | 49638 | 30374 | 69626 | 19264 | 90 |
| 20 | 49751 | 30528 | 69472 | 19223 | 80 |
| 30 | 49863 | 30682 | 69318 | 19181 | 70 |
| 40 | 49976 | 30836 | 69164 | 19140 | 60 |
| 50 | 50088 | 30990 | 69010 | 19098 | 50 |
| 60 | 50200 | 31143 | 68857 | 19057 | 40 |
| 70 | 50313 | 31297 | 68703 | 19016 | 30 |
| 80 | 50425 | 31451 | 68549 | 18974 | 20 |
| 90 | 50538 | 31605 | 68395 | 18933 | 10 |
| **73 oo** | 50650 | 31759 | 68241 | 18891 | **27 oo** |
| 10 | 50762 | 31912 | 68088 | 18850 | 90 |
| 20 | 50875 | 32066 | 67934 | 18809 | 80 |
| 30 | 50987 | 32220 | 67780 | 18767 | 70 |
| 40 | 51100 | 32374 | 67626 | 18726 | 60 |
| 50 | 51212 | 32528 | 67472 | 18684 | 50 |
| 60 | 51324 | 32681 | 67319 | 18643 | 40 |
| 70 | 51437 | 32835 | 67165 | 18602 | 30 |
| 80 | 51549 | 32989 | 67011 | 18560 | 20 |
| 90 | 51661 | 33143 | 66857 | 18519 | 10 |
| **74 oo** | 51774 | 33296 | 66704 | 18477 | **26 oo** |
| 10 | 51886 | 33450 | 66550 | 18436 | 90 |
| 20 | 51998 | 33604 | 66396 | 18394 | 80 |
| 30 | 52111 | 33758 | 66242 | 18353 | 70 |
| 40 | 52223 | 33912 | 66088 | 18312 | 60 |
| 50 | 52335 | 34065 | 65935 | 18270 | 50 |
| 60 | 52448 | 34219 | 65781 | 18229 | 40 |
| 70 | 52560 | 34373 | 65627 | 18187 | 30 |
| 80 | 52672 | 34527 | 65473 | 18146 | 20 |
| 90 | 52785 | 34680 | 65320 | 18104 | 10 |
| **75 oo** | 52897 | 34834 | 65166 | 18063 | **25 oo** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **65g** |
| | 112 | 153 | 153 | 42 | |

| 34g | 113 | 154 | 154 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.78** | **0.21** | **9.93** | |
| **75 oo** | 52897 | 34834 | 65166 | 18063 | **25 oo** |
| 10 | 53009 | 34988 | 65012 | 18022 | 90 |
| 20 | 53122 | 35142 | 64858 | 17980 | 80 |
| 30 | 53234 | 35295 | 64705 | 17939 | 70 |
| 40 | 53346 | 35449 | 64551 | 17897 | 60 |
| 50 | 53459 | 35603 | 64397 | 17856 | 50 |
| 60 | 53571 | 35757 | 64243 | 17814 | 40 |
| 70 | 53683 | 35910 | 64090 | 17773 | 30 |
| 80 | 53795 | 36064 | 63936 | 17731 | 20 |
| 90 | 53908 | 36218 | 63782 | 17690 | 10 |
| **76 oo** | 54020 | 36371 | 63629 | 17649 | **24 oo** |
| 10 | 54132 | 36525 | 63475 | 17607 | 90 |
| 20 | 54245 | 36679 | 63321 | 17566 | 80 |
| 30 | 54357 | 36833 | 63167 | 17524 | 70 |
| 40 | 54469 | 36986 | 63014 | 17483 | 60 |
| 50 | 54581 | 37140 | 62860 | 17441 | 50 |
| 60 | 54694 | 37294 | 62706 | 17400 | 40 |
| 70 | 54806 | 37447 | 62553 | 17358 | 30 |
| 80 | 54918 | 37601 | 62399 | 17317 | 20 |
| 90 | 55030 | 37755 | 62245 | 17275 | 10 |
| **77 oo** | 55142 | 37909 | 62091 | 17234 | **23 oo** |
| 10 | 55255 | 38062 | 61938 | 17193 | 90 |
| 20 | 55367 | 38216 | 61784 | 17151 | 80 |
| 30 | 55479 | 38370 | 61630 | 17110 | 70 |
| 40 | 55591 | 38523 | 61477 | 17068 | 60 |
| 50 | 55704 | 38677 | 61323 | 17027 | 50 |
| 60 | 55816 | 38831 | 61169 | 16985 | 40 |
| 70 | 55928 | 38984 | 61016 | 16944 | 30 |
| 80 | 56040 | 39138 | 60862 | 16902 | 20 |
| 90 | 56152 | 39292 | 60708 | 16861 | 10 |
| **78 oo** | 56265 | 39445 | 60555 | 16819 | **22 oo** |
| 10 | 56377 | 39599 | 60401 | 16778 | 90 |
| 20 | 56489 | 39753 | 60247 | 16736 | 80 |
| 30 | 56601 | 39906 | 60094 | 16695 | 70 |
| 40 | 56713 | 40060 | 59940 | 16653 | 60 |
| 50 | 56826 | 40214 | 59786 | 16612 | 50 |
| 60 | 56938 | 40367 | 59633 | 16570 | 40 |
| 70 | 57050 | 40521 | 59479 | 16529 | 30 |
| 80 | 57162 | 40675 | 59325 | 16487 | 20 |
| 90 | 57274 | 40828 | 59172 | 16446 | 10 |
| **79 oo** | 57386 | 40982 | 59018 | 16404 | **21 oo** |
| 10 | 57498 | 41136 | 58864 | 16363 | 90 |
| 20 | 57611 | 41289 | 58711 | 16321 | 80 |
| 30 | 57723 | 41443 | 58557 | 16280 | 70 |
| 40 | 57835 | 41597 | 58403 | 16238 | 60 |
| 50 | 57947 | 41750 | 58250 | 16197 | 50 |
| 60 | 58059 | 41904 | 58096 | 16155 | 40 |
| 70 | 58171 | 42057 | 57943 | 16114 | 30 |
| 80 | 58283 | 42211 | 57789 | 16072 | 20 |
| 90 | 58396 | 42365 | 57635 | 16031 | 10 |
| **80 oo** | 58508 | 42518 | 57482 | 15989 | **20 oo** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | **65g** |
| | 112 | 153 | 153 | 42 | |

| | 154 | 153 | 113 | 112 | 42 | 41 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,4 | 15,3 | 11,3 | 11,2 | 4,2 | 4,1 | 1 |
| 2 | 30,8 | 30,6 | 22,6 | 22,4 | 8,4 | 8,2 | 2 |
| 3 | 46,2 | 45,9 | 33,9 | 33,6 | 12,6 | 12,3 | 3 |
| 4 | 61,6 | 61,2 | 45,2 | 44,8 | 16,8 | 16,4 | 4 |
| 5 | 77,0 | 76,5 | 56,5 | 56,0 | 21,0 | 20,5 | 5 |
| 6 | 92,4 | 91,8 | 67,8 | 67,2 | 25,2 | 24,6 | 6 |
| 7 | 107,8 | 107,1 | 79,1 | 78,4 | 29,4 | 28,7 | 7 |
| 8 | 123,2 | 122,4 | 90,4 | 89,6 | 33,6 | 32,8 | 8 |
| 9 | 138,6 | 137,7 | 101,7 | 100,8 | 37,8 | 36,9 | 9 |

| $34^g$ | 113 | 154 | 154 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.78** | **0.21** | **9.93** | |
| **80 oo** | 58508 | 42518 | 57482 | 15989 | **20 oo** |
| 10 | 58620 | 42672 | 57328 | 15948 | 90 |
| 20 | 58732 | 42826 | 57174 | 15906 | 80 |
| 30 | 58844 | 42979 | 57021 | 15865 | 70 |
| 40 | 58956 | 43133 | 56867 | 15823 | 60 |
| 50 | 59068 | 43286 | 56714 | 15782 | 50 |
| 60 | 59180 | 43440 | 56560 | 15740 | 40 |
| 70 | 59292 | 43594 | 56406 | 15699 | 30 |
| 80 | 59404 | 43747 | 56253 | 15657 | 20 |
| 90 | 59516 | 43901 | 56099 | 15616 | 10 |
| **81 oo** | 59629 | 44054 | 55946 | 15574 | **19 oo** |
| 10 | 59741 | 44208 | 55792 | 15533 | 90 |
| 20 | 59853 | 44362 | 55638 | 15491 | 80 |
| 30 | 59965 | 44515 | 55485 | 15450 | 70 |
| 40 | 60077 | 44669 | 55331 | 15408 | 60 |
| 50 | 60189 | 44822 | 55178 | 15367 | 50 |
| 60 | 60301 | 44976 | 55024 | 15325 | 40 |
| 70 | 60413 | 45130 | 54870 | 15283 | 30 |
| 80 | 60525 | 45283 | 54717 | 15242 | 20 |
| 90 | 60637 | 45437 | 54563 | 15200 | 10 |
| **82 oo** | 60749 | 45590 | 54410 | 15159 | **18 oo** |
| 10 | 60861 | 45744 | 54256 | 15117 | 90 |
| 20 | 60973 | 45897 | 54103 | 15076 | 80 |
| 30 | 61085 | 46051 | 53949 | 15034 | 70 |
| 40 | 61197 | 46205 | 53795 | 14993 | 60 |
| 50 | 61309 | 46358 | 53642 | 14951 | 50 |
| 60 | 61421 | 46512 | 53488 | 14910 | 40 |
| 70 | 61533 | 46665 | 53335 | 14868 | 30 |
| 80 | 61645 | 46819 | 53181 | 14826 | 20 |
| 90 | 61757 | 46972 | 53028 | 14785 | 10 |
| **83 oo** | 61869 | 47126 | 52874 | 14743 | **17 oo** |
| 10 | 61981 | 47279 | 52721 | 14702 | 90 |
| 20 | 62093 | 47433 | 52567 | 14660 | 80 |
| 30 | 62205 | 47586 | 52414 | 14619 | 70 |
| 40 | 62317 | 47740 | 52260 | 14577 | 60 |
| 50 | 62429 | 47894 | 52106 | 14536 | 50 |
| 60 | 62541 | 48047 | 51953 | 14494 | 40 |
| 70 | 62653 | 48201 | 51799 | 14452 | 30 |
| 80 | 62765 | 48354 | 51646 | 14411 | 20 |
| 90 | 62877 | 48508 | 51492 | 14369 | 10 |
| **84 oo** | 62989 | 48661 | 51339 | 14328 | **16 oo** |
| 10 | 63101 | 48815 | 51185 | 14286 | 90 |
| 20 | 63213 | 48968 | 51032 | 14245 | 80 |
| 30 | 63325 | 49122 | 50878 | 14203 | 70 |
| 40 | 63437 | 49275 | 50725 | 14161 | 60 |
| 50 | 63549 | 49429 | 50571 | 14120 | 50 |
| 60 | 63661 | 49582 | 50418 | 14078 | 40 |
| 70 | 63773 | 49736 | 50264 | 14037 | 30 |
| 80 | 63884 | 49889 | 50111 | 13995 | 20 |
| 90 | 63996 | 50043 | 49957 | 13954 | 10 |
| **85 oo** | 64108 | 50196 | 49804 | 13912 | **15 oo** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | $65^g$ |
| | 111 | 153 | 153 | 42 | |

| $34^g$ | 112 | 154 | 154 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.78** | **0.21** | **9.93** | |
| **85 oo** | 64108 | 50196 | 49804 | 13912 | **15 oo** |
| 10 | 64220 | 50350 | 49650 | 13870 | 90 |
| 20 | 64332 | 50503 | 49497 | 13829 | 80 |
| 30 | 64444 | 50657 | 49343 | 13787 | 70 |
| 40 | 64556 | 50810 | 49190 | 13746 | 60 |
| 50 | 64668 | 50964 | 49036 | 13704 | 50 |
| 60 | 64780 | 51117 | 48883 | 13662 | 40 |
| 70 | 64892 | 51271 | 48729 | 13621 | 30 |
| 80 | 65003 | 51424 | 48576 | 13579 | 20 |
| 90 | 65115 | 51578 | 48422 | 13538 | 10 |
| **86 oo** | 65227 | 51731 | 48269 | 13496 | **14 oo** |
| 10 | 65339 | 51885 | 48115 | 13454 | 90 |
| 20 | 65451 | 52038 | 47962 | 13413 | 80 |
| 30 | 65563 | 52192 | 47808 | 13371 | 70 |
| 40 | 65675 | 52345 | 47655 | 13330 | 60 |
| 50 | 65787 | 52499 | 47501 | 13288 | 50 |
| 60 | 65898 | 52652 | 47348 | 13246 | 40 |
| 70 | 66010 | 52805 | 47195 | 13205 | 30 |
| 80 | 66122 | 52959 | 47041 | 13163 | 20 |
| 90 | 66234 | 53112 | 46888 | 13122 | 10 |
| **87 oo** | 66346 | 53266 | 46734 | 13080 | **13 oo** |
| 10 | 66458 | 53419 | 46581 | 13038 | 90 |
| 20 | 66569 | 53573 | 46427 | 12997 | 80 |
| 30 | 66681 | 53726 | 46274 | 12955 | 70 |
| 40 | 66793 | 53880 | 46120 | 12914 | 60 |
| 50 | 66905 | 54033 | 45967 | 12872 | 50 |
| 60 | 67017 | 54186 | 45814 | 12830 | 40 |
| 70 | 67129 | 54340 | 45660 | 12789 | 30 |
| 80 | 67240 | 54493 | 45507 | 12747 | 20 |
| 90 | 67352 | 54647 | 45353 | 12705 | 10 |
| **88 oo** | 67464 | 54800 | 45200 | 12664 | **12 oo** |
| 10 | 67576 | 54954 | 45046 | 12622 | 90 |
| 20 | 67688 | 55107 | 44893 | 12581 | 80 |
| 30 | 67799 | 55260 | 44740 | 12539 | 70 |
| 40 | 67911 | 55414 | 44586 | 12497 | 60 |
| 50 | 68023 | 55567 | 44433 | 12456 | 50 |
| 60 | 68135 | 55721 | 44279 | 12414 | 40 |
| 70 | 68246 | 55874 | 44126 | 12372 | 30 |
| 80 | 68358 | 56027 | 43973 | 12331 | 20 |
| 90 | 68470 | 56181 | 43819 | 12289 | 10 |
| **89 oo** | 68582 | 56334 | 43666 | 12247 | **11 oo** |
| 10 | 68693 | 56488 | 43512 | 12206 | 90 |
| 20 | 68805 | 56641 | 43359 | 12164 | 80 |
| 30 | 68917 | 56794 | 43206 | 12123 | 70 |
| 40 | 69029 | 56948 | 43052 | 12081 | 60 |
| 50 | 69140 | 57101 | 42899 | 12039 | 50 |
| 60 | 69252 | 57255 | 42745 | 11998 | 40 |
| 70 | 69364 | 57408 | 42592 | 11956 | 30 |
| 80 | 69476 | 57561 | 42439 | 11914 | 20 |
| 90 | 69587 | 57715 | 42285 | 11873 | 10 |
| **90 oo** | 69699 | 57868 | 42132 | 11831 | **10 oo** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | $65^g$ |
| | 111 | 153 | 153 | 42 | |

| | 154 | 153 | 113 | 112 | 111 | 42 | 41 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,4 | 15,3 | 11,3 | 11,2 | 11,1 | 4,2 | 4,1 | 1 |
| 2 | 30,8 | 30,6 | 22,6 | 22,4 | 22,2 | 8,4 | 8,2 | 2 |
| 3 | 46,2 | 45,9 | 33,9 | 33,6 | 33,3 | 12,6 | 12,3 | 3 |
| 4 | 61,6 | 61,2 | 45,2 | 44,8 | 44,4 | 16,8 | 16,4 | 4 |
| 5 | 77,0 | 76,5 | 56,5 | 56,0 | 55,5 | 21,0 | 20,5 | 5 |
| 6 | 92,4 | 91,8 | 67,8 | 67,2 | 66,6 | 25,2 | 24,6 | 6 |
| 7 | 107,8 | 107,1 | 79,1 | 78,4 | 77,7 | 29,4 | 28,7 | 7 |
| 8 | 123,2 | 122,4 | 90,4 | 89,6 | 88,8 | 33,6 | 32,8 | 8 |
| 9 | 138,6 | 137,7 | 101,7 | 100,8 | 99,9 | 37,8 | 36,9 | 9 |

| 34g | 112 | 154 | 154 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.78** | **0.21** | **9.93** | |
| **90 oo** | 69699 | 57868 | 42132 | 11831 | **10 oo** |
| 10 | 69811 | 58021 | 41979 | 11789 | 90 |
| 20 | 69922 | 58175 | 41825 | 11748 | 80 |
| 30 | 70034 | 58328 | 41672 | 11706 | 70 |
| 40 | 70146 | 58482 | 41518 | 11664 | 60 |
| 50 | 70258 | 58635 | 41365 | 11623 | 50 |
| 60 | 70369 | 58788 | 41212 | 11581 | 40 |
| 70 | 70481 | 58942 | 41058 | 11539 | 30 |
| 80 | 70593 | 59095 | 40905 | 11498 | 20 |
| 90 | 70704 | 59248 | 40752 | 11456 | 10 |
| **91 oo** | 70816 | 59402 | 40598 | 11414 | **09 oo** |
| 10 | 70928 | 59555 | 40445 | 11373 | 90 |
| 20 | 71039 | 59708 | 40292 | 11331 | 80 |
| 30 | 71151 | 59862 | 40138 | 11289 | 70 |
| 40 | 71263 | 60015 | 39985 | 11248 | 60 |
| 50 | 71374 | 60168 | 39832 | 11206 | 50 |
| 60 | 71486 | 60322 | 39678 | 11164 | 40 |
| 70 | 71598 | 60475 | 39525 | 11123 | 30 |
| 80 | 71709 | 60628 | 39372 | 11081 | 20 |
| 90 | 71821 | 60782 | 39218 | 11039 | 10 |
| **92 oo** | 71933 | 60935 | 39065 | 10998 | **08 oo** |
| 10 | 72044 | 61088 | 38912 | 10956 | 90 |
| 20 | 72156 | 61242 | 38758 | 10914 | 80 |
| 30 | 72267 | 61395 | 38605 | 10872 | 70 |
| 40 | 72379 | 61548 | 38452 | 10831 | 60 |
| 50 | 72491 | 61702 | 38298 | 10789 | 50 |
| 60 | 72602 | 61855 | 38145 | 10747 | 40 |
| 70 | 72714 | 62008 | 37992 | 10706 | 30 |
| 80 | 72826 | 62162 | 37838 | 10664 | 20 |
| 90 | 72937 | 62315 | 37685 | 10622 | 10 |
| **93 oo** | 73049 | 62468 | 37532 | 10581 | **07 oo** |
| 10 | 73160 | 62622 | 37378 | 10539 | 90 |
| 20 | 73272 | 62775 | 37225 | 10497 | 80 |
| 30 | 73384 | 62928 | 37072 | 10455 | 70 |
| 40 | 73495 | 63081 | 36919 | 10414 | 60 |
| 50 | 73607 | 63235 | 36765 | 10372 | 50 |
| 60 | 73718 | 63388 | 36612 | 10330 | 40 |
| 70 | 73830 | 63541 | 36459 | 10289 | 30 |
| 80 | 73941 | 63695 | 36305 | 10247 | 20 |
| 90 | 74053 | 63848 | 36152 | 10205 | 10 |
| **94 oo** | 74165 | 64001 | 35999 | 10163 | **06 oo** |
| 10 | 74276 | 64154 | 35846 | 10122 | 90 |
| 20 | 74388 | 64308 | 35692 | 10080 | 80 |
| 30 | 74499 | 64461 | 35539 | 10038 | 70 |
| 40 | 74611 | 64614 | 35386 | 09997 | 60 |
| 50 | 74722 | 64767 | 35233 | 09955 | 50 |
| 60 | 74834 | 64921 | 35079 | 09913 | 40 |
| 70 | 74945 | 65074 | 34926 | 09871 | 30 |
| 80 | 75057 | 65227 | 34773 | 09830 | 20 |
| 90 | 75168 | 65380 | 34620 | 09788 | 10 |
| **95 oo** | 75280 | 65534 | 34466 | 09746 | **05 oo** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 111 | 153 | 153 | 42 | **65g** |

| 34g | 112 | 154 | 154 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.78** | **0.21** | **9.93** | |
| **95 oo** | 75280 | 65534 | 34466 | 09746 | **05 oo** |
| 10 | 75391 | 65687 | 34313 | 09705 | 90 |
| 20 | 75503 | 65840 | 34160 | 09663 | 80 |
| 30 | 75614 | 65993 | 34007 | 09621 | 70 |
| 40 | 75726 | 66147 | 33853 | 09579 | 60 |
| 50 | 75838 | 66300 | 33700 | 09538 | 50 |
| 60 | 75949 | 66453 | 33547 | 09496 | 40 |
| 70 | 76060 | 66606 | 33394 | 09454 | 30 |
| 80 | 76172 | 66760 | 33240 | 09412 | 20 |
| 90 | 76283 | 66913 | 33087 | 09371 | 10 |
| **96 oo** | 76395 | 67066 | 32934 | 09329 | **04 oo** |
| 10 | 76506 | 67219 | 32781 | 09287 | 90 |
| 20 | 76618 | 67373 | 32627 | 09245 | 80 |
| 30 | 76729 | 67526 | 32474 | 09204 | 70 |
| 40 | 76841 | 67679 | 32321 | 09162 | 60 |
| 50 | 76952 | 67832 | 32168 | 09120 | 50 |
| 60 | 77064 | 67985 | 32015 | 09078 | 40 |
| 70 | 77175 | 68139 | 31861 | 09037 | 30 |
| 80 | 77287 | 68292 | 31708 | 08995 | 20 |
| 90 | 77398 | 68445 | 31555 | 08953 | 10 |
| **97 oo** | 77510 | 68598 | 31402 | 08911 | **03 oo** |
| 10 | 77621 | 68751 | 31249 | 08870 | 90 |
| 20 | 77732 | 68905 | 31095 | 08828 | 80 |
| 30 | 77844 | 69058 | 30942 | 08786 | 70 |
| 40 | 77955 | 69211 | 30789 | 08744 | 60 |
| 50 | 78067 | 69364 | 30636 | 08703 | 50 |
| 60 | 78178 | 69517 | 30483 | 08661 | 40 |
| 70 | 78290 | 69671 | 30329 | 08619 | 30 |
| 80 | 78401 | 69824 | 30176 | 08577 | 20 |
| 90 | 78512 | 69977 | 30023 | 08535 | 10 |
| **98 oo** | 78624 | 70130 | 29870 | 08494 | **02 oo** |
| 10 | 78735 | 70283 | 29717 | 08452 | 90 |
| 20 | 78847 | 70436 | 29564 | 08410 | 80 |
| 30 | 78958 | 70590 | 29410 | 08368 | 70 |
| 40 | 79069 | 70743 | 29257 | 08327 | 60 |
| 50 | 79181 | 70896 | 29104 | 08285 | 50 |
| 60 | 79292 | 71049 | 28951 | 08243 | 40 |
| 70 | 79403 | 71202 | 28798 | 08201 | 30 |
| 80 | 79515 | 71355 | 28645 | 08159 | 20 |
| 90 | 79626 | 71509 | 28491 | 08118 | 10 |
| **99 oo** | 79738 | 71662 | 28338 | 08076 | **01 oo** |
| 10 | 79849 | 71815 | 28185 | 08034 | 90 |
| 20 | 79960 | 71968 | 28032 | 07992 | 80 |
| 30 | 80072 | 72121 | 27879 | 07950 | 70 |
| 40 | 80183 | 72274 | 27726 | 07909 | 60 |
| 50 | 80294 | 72427 | 27573 | 07867 | 50 |
| 60 | 80406 | 72581 | 27419 | 07825 | 40 |
| 70 | 80517 | 72734 | 27266 | 07783 | 30 |
| 80 | 80628 | 72887 | 27113 | 07741 | 20 |
| 90 | 80740 | 73040 | 26960 | 07700 | 10 |
| **100 oo** | 80851 | 73193 | 26807 | 07658 | **00 oo** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 111 | 153 | 153 | 42 | **65g** |

| | 154 | 153 | 112 | 111 | 42 | 41 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,4 | 15,3 | 11,2 | 11,1 | 4,2 | 4,1 | 1 |
| 2 | 30,8 | 30,6 | 22,4 | 22,2 | 8,4 | 8,2 | 2 |
| 3 | 46,2 | 45,9 | 33,6 | 33,3 | 12,6 | 12,3 | 3 |
| 4 | 61,6 | 61,2 | 44,8 | 44,4 | 16,8 | 16,4 | 4 |
| 5 | 77,0 | 76,5 | 56,0 | 55,5 | 21,0 | 20,5 | 5 |
| 6 | 92,4 | 91,8 | 67,2 | 66,6 | 25,2 | 24,6 | 6 |
| 7 | 107,8 | 107,1 | 78,4 | 77,7 | 29,4 | 28,7 | 7 |
| 8 | 123,2 | 122,4 | 89,6 | 88,8 | 33,6 | 32,8 | 8 |
| 9 | 138,6 | 137,7 | 100,8 | 99,9 | 37,8 | 36,9 | 9 |

| 35g | 112 | 154 | 154 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.78** | **0.21** | **9.93** | |
| **00 oo** | 80851 | 73193 | 26807 | 07658 | **100 oo** |
| 10 | 80962 | 73346 | 26654 | 07616 | 90 |
| 20 | 81074 | 73499 | 26501 | 07574 | 80 |
| 30 | 81185 | 73653 | 26347 | 07532 | 70 |
| 40 | 81296 | 73806 | 26194 | 07491 | 60 |
| 50 | 81408 | 73959 | 26041 | 07449 | 50 |
| 60 | 81519 | 74112 | 25888 | 07407 | 40 |
| 70 | 81630 | 74265 | 25735 | 07365 | 30 |
| 80 | 81741 | 74418 | 25582 | 07323 | 20 |
| 90 | 81853 | 74571 | 25429 | 07282 | 10 |
| **01 oo** | 81964 | 74724 | 25276 | 07240 | **99 oo** |
| 10 | 82075 | 74877 | 25123 | 07198 | 90 |
| 20 | 82187 | 75031 | 24969 | 07156 | 80 |
| 30 | 82298 | 75184 | 24816 | 07114 | 70 |
| 40 | 82409 | 75337 | 24663 | 07072 | 60 |
| 50 | 82520 | 75490 | 24510 | 07031 | 50 |
| 60 | 82632 | 75643 | 24357 | 06989 | 40 |
| 70 | 82743 | 75796 | 24204 | 06947 | 30 |
| 80 | 82854 | 75949 | 24051 | 06905 | 20 |
| 90 | 82965 | 76102 | 23898 | 06863 | 10 |
| **02 oo** | 83077 | 76255 | 23745 | 06821 | **98 oo** |
| 10 | 83188 | 76408 | 23592 | 06780 | 90 |
| 20 | 83299 | 76561 | 23439 | 06738 | 80 |
| 30 | 83410 | 76714 | 23286 | 06696 | 70 |
| 40 | 83522 | 76868 | 23132 | 06654 | 60 |
| 50 | 83633 | 77021 | 22979 | 06612 | 50 |
| 60 | 83744 | 77174 | 22826 | 06570 | 40 |
| 70 | 83855 | 77327 | 22673 | 06529 | 30 |
| 80 | 83967 | 77480 | 22520 | 06487 | 20 |
| 90 | 84078 | 77633 | 22367 | 06445 | 10 |
| **03 oo** | 84189 | 77786 | 22214 | 06403 | **97 oo** |
| 10 | 84300 | 77939 | 22061 | 06361 | 90 |
| 20 | 84411 | 78092 | 21908 | 06319 | 80 |
| 30 | 84523 | 78245 | 21755 | 06278 | 70 |
| 40 | 84634 | 78398 | 21602 | 06236 | 60 |
| 50 | 84745 | 78551 | 21449 | 06194 | 50 |
| 60 | 84856 | 78704 | 21296 | 06152 | 40 |
| 70 | 84967 | 78857 | 21143 | 06110 | 30 |
| 80 | 85078 | 79010 | 20990 | 06068 | 20 |
| 90 | 85190 | 79163 | 20837 | 06026 | 10 |
| **04 oo** | 85301 | 79316 | 20684 | 05985 | **96 oo** |
| 10 | 85412 | 79469 | 20531 | 05943 | 90 |
| 20 | 85523 | 79622 | 20378 | 05901 | 80 |
| 30 | 85634 | 79775 | 20225 | 05859 | 70 |
| 40 | 85745 | 79928 | 20072 | 05817 | 60 |
| 50 | 85857 | 80081 | 19919 | 05775 | 50 |
| 60 | 85968 | 80234 | 19766 | 05733 | 40 |
| 70 | 86079 | 80387 | 19613 | 05691 | 30 |
| 80 | 86190 | 80540 | 19460 | 05650 | 20 |
| 90 | 86301 | 80693 | 19307 | 05608 | 10 |
| **05 oo** | 86412 | 80846 | 19154 | 05566 | **95 oo** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 111 | 153 | 153 | 42 | 64g |

| 35g | 112 | 153 | 153 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.78** | **0.21** | **9.93** | |
| **05 oo** | 86412 | 80846 | 19154 | 05566 | **95 oo** |
| 10 | 86523 | 80999 | 19001 | 05524 | 90 |
| 20 | 86635 | 81152 | 18848 | 05482 | 80 |
| 30 | 86746 | 81305 | 18695 | 05440 | 70 |
| 40 | 86857 | 81458 | 18542 | 05398 | 60 |
| 50 | 86968 | 81611 | 18389 | 05356 | 50 |
| 60 | 87079 | 81764 | 18236 | 05314 | 40 |
| 70 | 87190 | 81917 | 18083 | 05273 | 30 |
| 80 | 87301 | 82070 | 17930 | 05231 | 20 |
| 90 | 87412 | 82223 | 17777 | 05189 | 10 |
| **06 oo** | 87523 | 82376 | 17624 | 05147 | **94 oo** |
| 10 | 87634 | 82529 | 17471 | 05105 | 90 |
| 20 | 87746 | 82682 | 17318 | 05063 | 80 |
| 30 | 87857 | 82835 | 17165 | 05021 | 70 |
| 40 | 87968 | 82988 | 17012 | 04979 | 60 |
| 50 | 88079 | 83141 | 16859 | 04937 | 50 |
| 60 | 88190 | 83294 | 16706 | 04896 | 40 |
| 70 | 88301 | 83447 | 16553 | 04854 | 30 |
| 80 | 88412 | 83600 | 16400 | 04812 | 20 |
| 90 | 88523 | 83753 | 16247 | 04770 | 10 |
| **07 oo** | 88634 | 83906 | 16094 | 04728 | **93 oo** |
| 10 | 88745 | 84059 | 15941 | 04686 | 90 |
| 20 | 88856 | 84212 | 15788 | 04644 | 80 |
| 30 | 88967 | 84365 | 15635 | 04602 | 70 |
| 40 | 89078 | 84518 | 15482 | 04560 | 60 |
| 50 | 89189 | 84671 | 15329 | 04518 | 50 |
| 60 | 89300 | 84824 | 15176 | 04476 | 40 |
| 70 | 89411 | 84977 | 15023 | 04435 | 30 |
| 80 | 89522 | 85130 | 14870 | 04393 | 20 |
| 90 | 89633 | 85283 | 14717 | 04351 | 10 |
| **08 oo** | 89744 | 85436 | 14564 | 04309 | **92 oo** |
| 10 | 89855 | 85588 | 14412 | 04267 | 90 |
| 20 | 89966 | 85741 | 14259 | 04225 | 80 |
| 30 | 90077 | 85894 | 14106 | 04183 | 70 |
| 40 | 90188 | 86047 | 13953 | 04141 | 60 |
| 50 | 90299 | 86200 | 13800 | 04099 | 50 |
| 60 | 90410 | 86353 | 13647 | 04057 | 40 |
| 70 | 90521 | 86506 | 13494 | 04015 | 30 |
| 80 | 90632 | 86659 | 13341 | 03973 | 20 |
| 90 | 90743 | 86812 | 13188 | 03931 | 10 |
| **09 oo** | 90854 | 86965 | 13035 | 03889 | **91 oo** |
| 10 | 90965 | 87118 | 12882 | 03848 | 90 |
| 20 | 91076 | 87271 | 12729 | 03806 | 80 |
| 30 | 91187 | 87423 | 12577 | 03764 | 70 |
| 40 | 91298 | 87576 | 12424 | 03722 | 60 |
| 50 | 91409 | 87729 | 12271 | 03680 | 50 |
| 60 | 91520 | 87882 | 12118 | 03638 | 40 |
| 70 | 91631 | 88035 | 11965 | 03596 | 30 |
| 80 | 91742 | 88188 | 11812 | 03554 | 20 |
| 90 | 91853 | 88341 | 11659 | 03512 | 10 |
| **10 oo** | 91964 | 88494 | 11506 | 03470 | **90 oo** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 111 | 152 | 152 | 42 | 64g |

| | 154 | 153 | 152 | 112 | 111 | 42 | 41 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,4 | 15,3 | 15,2 | 11,2 | 11,1 | 4,2 | 4,1 | 1 |
| 2 | 30,8 | 30,6 | 30,4 | 22,4 | 22,2 | 8,4 | 8,2 | 2 |
| 3 | 46,2 | 45,9 | 45,6 | 33,6 | 33,3 | 12,6 | 12,3 | 3 |
| 4 | 61,6 | 61,2 | 60,8 | 44,8 | 44,4 | 16,8 | 16,4 | 4 |
| 5 | 77,0 | 76,5 | 76,0 | 56,0 | 55,5 | 21,0 | 20,5 | 5 |
| 6 | 92,4 | 91,8 | 91,2 | 67,2 | 66,6 | 25,2 | 24,6 | 6 |
| 7 | 107,8 | 107,1 | 106,4 | 78,4 | 77,7 | 29,4 | 28,7 | 7 |
| 8 | 123,2 | 122,4 | 121,6 | 89,6 | 88,8 | 33,6 | 32,8 | 8 |
| 9 | 138,6 | 137,7 | 136,8 | 100,8 | 99,9 | 37,8 | 36,9 | 9 |

| 35g | 111 | 153 | 153 | 41 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.71** | **9.78** | **0.21** | **9.93** | |
| **10 00** | 91964 | 88494 | 11506 | 03470 | **90 00** |
| 10 | 92075 | 88647 | 11353 | 03428 | 90 |
| 20 | 92186 | 88799 | 11201 | 03386 | 80 |
| 30 | 92297 | 88952 | 11048 | 03344 | 70 |
| 40 | 92407 | 89105 | 10895 | 03302 | 60 |
| 50 | 92518 | 89258 | 10742 | 03260 | 50 |
| 60 | 92629 | 89411 | 10589 | 03218 | 40 |
| 70 | 92740 | 89564 | 10436 | 03176 | 30 |
| 80 | 92851 | 89717 | 10283 | 03134 | 20 |
| 90 | 92962 | 89870 | 10130 | 03092 | 10 |
| **11 00** | 93073 | 90022 | 09978 | 03050 | **89 00** |
| 10 | 93184 | 90175 | 09825 | 03008 | 90 |
| 20 | 93295 | 90328 | 09672 | 02967 | 80 |
| 30 | 93406 | 90481 | 09519 | 02925 | 70 |
| 40 | 93516 | 90634 | 09366 | 02883 | 60 |
| 50 | 93627 | 90787 | 09213 | 02841 | 50 |
| 60 | 93738 | 90940 | 09060 | 02799 | 40 |
| 70 | 93849 | 91092 | 08908 | 02757 | 30 |
| 80 | 93960 | 91245 | 08755 | 02715 | 20 |
| 90 | 94071 | 91398 | 08602 | 02673 | 10 |
| **12 00** | 94182 | 91551 | 08449 | 02631 | **88 00** |
| 10 | 94292 | 91704 | 08296 | 02589 | 90 |
| 20 | 94403 | 91857 | 08143 | 02547 | 80 |
| 30 | 94514 | 92009 | 07991 | 02505 | 70 |
| 40 | 94625 | 92162 | 07838 | 02463 | 60 |
| 50 | 94736 | 92315 | 07685 | 02421 | 50 |
| 60 | 94847 | 92468 | 07532 | 02379 | 40 |
| 70 | 94957 | 92621 | 07379 | 02337 | 30 |
| 80 | 95068 | 92773 | 07227 | 02295 | 20 |
| 90 | 95179 | 92926 | 07074 | 02253 | 10 |
| **13 00** | 95290 | 93079 | 06921 | 02211 | **87 00** |
| 10 | 95401 | 93232 | 06768 | 02169 | 90 |
| 20 | 95512 | 93385 | 06615 | 02127 | 80 |
| 30 | 95622 | 93538 | 06462 | 02085 | 70 |
| 40 | 95733 | 93690 | 06310 | 02043 | 60 |
| 50 | 95844 | 93843 | 06157 | 02001 | 50 |
| 60 | 95955 | 93996 | 06004 | 01959 | 40 |
| 70 | 96066 | 94149 | 05851 | 01917 | 30 |
| 80 | 96176 | 94302 | 05698 | 01875 | 20 |
| 90 | 96287 | 94454 | 05546 | 01833 | 10 |
| **14 00** | 96398 | 94607 | 05393 | 01791 | **86 00** |
| 10 | 96509 | 94760 | 05240 | 01749 | 90 |
| 20 | 96619 | 94913 | 05087 | 01707 | 80 |
| 30 | 96730 | 95065 | 04935 | 01665 | 70 |
| 40 | 96841 | 95218 | 04782 | 01623 | 60 |
| 50 | 96952 | 95371 | 04629 | 01581 | 50 |
| 60 | 97062 | 95524 | 04476 | 01539 | 40 |
| 70 | 97173 | 95677 | 04323 | 01497 | 30 |
| 80 | 97284 | 95829 | 04171 | 01455 | 20 |
| 90 | 97395 | 95982 | 04018 | 01413 | 10 |
| **15 00** | 97505 | 96135 | 03865 | 01371 | **85 00** |
| | **9.71** | **9.78** | **0.21** | **9.93** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 110 | 152 | 152 | 42 | 64g |

| 35g | 111 | 153 | 153 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.71** | **9.78** | **0.21** | **9.93** | |
| **15 00** | ∗97505 | 96135 | 03865 | 01371 | **85 00** |
| 10 | ∗97616 | 96288 | 03712 | 01329 | 90 |
| 20 | ∗97727 | 96440 | 03560 | 01287 | 80 |
| 30 | ∗97838 | 96593 | 03407 | 01245 | 70 |
| 40 | ∗97948 | 96746 | 03254 | 01202 | 60 |
| 50 | ∗98059 | 96899 | 03101 | 01160 | 50 |
| 60 | ∗98170 | 97051 | 02949 | 01118 | 40 |
| 70 | ∗98280 | 97204 | 02796 | 01076 | 30 |
| 80 | ∗98391 | 97357 | 02643 | 01034 | 20 |
| 90 | ∗98502 | 97510 | 02490 | 00992 | 10 |
| **16 00** | ∗98613 | 97662 | 02338 | 00950 | **84 00** |
| 10 | ∗98723 | 97815 | 02185 | 00908 | 90 |
| 20 | ∗98834 | 97968 | 02032 | 00866 | 80 |
| 30 | ∗98945 | 98121 | 01879 | 00824 | 70 |
| 40 | ∗99055 | 98273 | 01727 | 00782 | 60 |
| 50 | ∗99166 | 98426 | 01574 | 00740 | 50 |
| 60 | ∗99277 | 98579 | 01421 | 00698 | 40 |
| 70 | ∗99387 | 98731 | 01269 | 00656 | 30 |
| 80 | ∗99498 | 98884 | 01116 | 00614 | 20 |
| 90 | ∗99609 | 99037 | 00963 | 00572 | 10 |
| **17 00** | ∗99719 | 99190 | 00810 | 00530 | **83 00** |
| 10 | ∗99830 | 99342 | 00658 | 00488 | 90 |
| 20 | ∗99941 | 99495 | 00505 | 00446 | 80 |
| 30 | 00051 | 99648 | 00352 | 00404 | 70 |
| 40 | 00162 | 99800 | 00200 | 00362 | 60 |
| 50 | 00273 | 99953 | 00047 | 00319 | 50 |
| 60 | 00383 | ∗00106 | ∗99894 | 00277 | 40 |
| 70 | 00494 | ∗00259 | ∗99741 | 00235 | 30 |
| 80 | 00605 | ∗00411 | ∗99589 | 00193 | 20 |
| 90 | 00715 | ∗00564 | ∗99436 | 00151 | 10 |
| **18 00** | 00826 | ∗00717 | ∗99283 | 00109 | **82 00** |
| 10 | 00936 | ∗00869 | ∗99131 | 00067 | 90 |
| 20 | 01047 | ∗01022 | ∗98978 | 00025 | 80 |
| 30 | 01158 | ∗01175 | ∗98825 | ∗99983 | 70 |
| 40 | 01268 | ∗01327 | ∗98673 | ∗99941 | 60 |
| 50 | 01379 | ∗01480 | ∗98520 | ∗99899 | 50 |
| 60 | 01489 | ∗01633 | ∗98367 | ∗99857 | 40 |
| 70 | 01600 | ∗01785 | ∗98215 | ∗99815 | 30 |
| 80 | 01711 | ∗01938 | ∗98062 | ∗99773 | 20 |
| 90 | 01821 | ∗02091 | ∗97909 | ∗99730 | 10 |
| **19 00** | 01932 | ∗02243 | ∗97757 | ∗99688 | **81 00** |
| 10 | 02042 | ∗02396 | ∗97604 | ∗99646 | 90 |
| 20 | 02153 | ∗02549 | ∗97451 | ∗99604 | 80 |
| 30 | 02263 | ∗02701 | ∗97299 | ∗99562 | 70 |
| 40 | 02374 | ∗02854 | ∗97146 | ∗99520 | 60 |
| 50 | 02485 | ∗03007 | ∗96993 | ∗99478 | 50 |
| 60 | 02595 | ∗03159 | ∗96841 | ∗99436 | 40 |
| 70 | 02706 | ∗03312 | ∗96688 | ∗99394 | 30 |
| 80 | 02816 | ∗03465 | ∗96535 | ∗99352 | 20 |
| 90 | 02927 | ∗03617 | ∗96383 | ∗99310 | 10 |
| **20 00** | 03037 | ∗03770 | ∗96230 | ∗99267 | **80 00** |
| | **9.72** | ∗**9.79** | ∗**0.20** | ∗**9.92** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 110 | 152 | 152 | 43 | 64g |

| | 153 | 152 | 111 | 110 | 43 | 42 | 41 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,3 | 15,2 | 11,1 | 11,0 | 4,3 | 4,2 | 4,1 | 1 |
| 2 | 30,6 | 30,4 | 22,2 | 22,0 | 8,6 | 8,4 | 8,2 | 2 |
| 3 | 45,9 | 45,6 | 33,3 | 33,0 | 12,9 | 12,6 | 12,3 | 3 |
| 4 | 61,2 | 60,8 | 44,4 | 44,0 | 17,2 | 16,8 | 16,4 | 4 |
| 5 | 76,5 | 76,0 | 55,5 | 55,0 | 21,5 | 21,0 | 20,5 | 5 |
| 6 | 91,8 | 91,2 | 66,6 | 66,0 | 25,8 | 25,2 | 24,6 | 6 |
| 7 | 107,1 | 106,4 | 77,7 | 77,0 | 30,1 | 29,4 | 28,7 | 7 |
| 8 | 122,4 | 121,6 | 88,8 | 88,0 | 34,4 | 33,6 | 32,8 | 8 |
| 9 | 137,7 | 136,8 | 99,9 | 99,0 | 38,7 | 37,8 | 36,9 | 9 |

| 35g | 111 | 153 | 153 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **20 oo** | 03037 | 03770 | 96230 | 99267 | **80 oo** |
| 10 | 03148 | 03923 | 96077 | 99225 | 90 |
| 20 | 03258 | 04075 | 95925 | 99183 | 80 |
| 30 | 03369 | 04228 | 95772 | 99141 | 70 |
| 40 | 03480 | 04380 | 95620 | 99099 | 60 |
| 50 | 03590 | 04533 | 95467 | 99057 | 50 |
| 60 | 03701 | 04686 | 95314 | 99015 | 40 |
| 70 | 03811 | 04838 | 95162 | 98973 | 30 |
| 80 | 03922 | 04991 | 95009 | 98931 | 20 |
| 90 | 04032 | 05144 | 94856 | 98888 | 10 |
| **21 oo** | 04143 | 05296 | 94704 | 98846 | **79 oo** |
| 10 | 04253 | 05449 | 94551 | 98804 | 90 |
| 20 | 04364 | 05601 | 94399 | 98762 | 80 |
| 30 | 04474 | 05754 | 94246 | 98720 | 70 |
| 40 | 04585 | 05907 | 94093 | 98678 | 60 |
| 50 | 04695 | 06059 | 93941 | 98636 | 50 |
| 60 | 04806 | 06212 | 93788 | 98594 | 40 |
| 70 | 04916 | 06365 | 93635 | 98552 | 30 |
| 80 | 05027 | 06517 | 93483 | 98509 | 20 |
| 90 | 05137 | 06670 | 93330 | 98467 | 10 |
| **22 oo** | 05247 | 06822 | 93178 | 98425 | **78 oo** |
| 10 | 05358 | 06975 | 93025 | 98383 | 90 |
| 20 | 05468 | 07127 | 92873 | 98341 | 80 |
| 30 | 05579 | 07280 | 92720 | 98299 | 70 |
| 40 | 05689 | 07433 | 92567 | 98257 | 60 |
| 50 | 05800 | 07585 | 92415 | 98214 | 50 |
| 60 | 05910 | 07738 | 92262 | 98172 | 40 |
| 70 | 06021 | 07890 | 92110 | 98130 | 30 |
| 80 | 06131 | 08043 | 91957 | 98088 | 20 |
| 90 | 06241 | 08196 | 91804 | 98046 | 10 |
| **23 oo** | 06352 | 08348 | 91652 | 98004 | **77 oo** |
| 10 | 06462 | 08501 | 91499 | 97962 | 90 |
| 20 | 06573 | 08653 | 91347 | 97919 | 80 |
| 30 | 06683 | 08806 | 91194 | 97877 | 70 |
| 40 | 06794 | 08958 | 91042 | 97835 | 60 |
| 50 | 06904 | 09111 | 90889 | 97793 | 50 |
| 60 | 07014 | 09263 | 90737 | 97751 | 40 |
| 70 | 07125 | 09416 | 90584 | 97709 | 30 |
| 80 | 07235 | 09569 | 90431 | 97667 | 20 |
| 90 | 07346 | 09721 | 90279 | 97624 | 10 |
| **24 oo** | 07456 | 09874 | 90126 | 97582 | **76 oo** |
| 10 | 07566 | 10026 | 89974 | 97540 | 90 |
| 20 | 07677 | 10179 | 89821 | 97498 | 80 |
| 30 | 07787 | 10331 | 89669 | 97456 | 70 |
| 40 | 07897 | 10484 | 89516 | 97414 | 60 |
| 50 | 08008 | 10636 | 89364 | 97371 | 50 |
| 60 | 08118 | 10789 | 89211 | 97329 | 40 |
| 70 | 08229 | 10941 | 89059 | 97287 | 30 |
| 80 | 08339 | 11094 | 88906 | 97245 | 20 |
| 90 | 08449 | 11247 | 88753 | 97203 | 10 |
| **25 oo** | 08560 | 11399 | 88601 | 97161 | **75 oo** |
| | **9.72** | **9.79** | **0.20** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **64g** |
| | 110 | 152 | 152 | 43 | |

| 35g | 111 | 153 | 153 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **25 oo** | 08560 | 11399 | 88601 | 97161 | **75 oo** |
| 10 | 08670 | 11552 | 88448 | 97118 | 90 |
| 20 | 08780 | 11704 | 88296 | 97076 | 80 |
| 30 | 08891 | 11857 | 88143 | 97034 | 70 |
| 40 | 09001 | 12009 | 87991 | 96992 | 60 |
| 50 | 09111 | 12162 | 87838 | 96950 | 50 |
| 60 | 09222 | 12314 | 87686 | 96908 | 40 |
| 70 | 09332 | 12467 | 87533 | 96865 | 30 |
| 80 | 09442 | 12619 | 87381 | 96823 | 20 |
| 90 | 09553 | 12772 | 87228 | 96781 | 10 |
| **26 oo** | 09663 | 12924 | 87076 | 96739 | **74 oo** |
| 10 | 09773 | 13077 | 86923 | 96697 | 90 |
| 20 | 09884 | 13229 | 86771 | 96654 | 80 |
| 30 | 09994 | 13382 | 86618 | 96612 | 70 |
| 40 | 10104 | 13534 | 86466 | 96570 | 60 |
| 50 | 10214 | 13687 | 86313 | 96528 | 50 |
| 60 | 10325 | 13839 | 86161 | 96486 | 40 |
| 70 | 10435 | 13992 | 86008 | 96443 | 30 |
| 80 | 10545 | 14144 | 85856 | 96401 | 20 |
| 90 | 10656 | 14297 | 85703 | 96359 | 10 |
| **27 oo** | 10766 | 14449 | 85551 | 96317 | **73 oo** |
| 10 | 10876 | 14601 | 85399 | 96275 | 90 |
| 20 | 10986 | 14754 | 85246 | 96232 | 80 |
| 30 | 11097 | 14906 | 85094 | 96190 | 70 |
| 40 | 11207 | 15059 | 84941 | 96148 | 60 |
| 50 | 11317 | 15211 | 84789 | 96106 | 50 |
| 60 | 11427 | 15364 | 84636 | 96064 | 40 |
| 70 | 11538 | 15516 | 84484 | 96021 | 30 |
| 80 | 11648 | 15669 | 84331 | 95979 | 20 |
| 90 | 11758 | 15821 | 84179 | 95937 | 10 |
| **28 oo** | 11868 | 15974 | 84026 | 95895 | **72 oo** |
| 10 | 11979 | 16126 | 83874 | 95852 | 90 |
| 20 | 12089 | 16279 | 83721 | 95810 | 80 |
| 30 | 12199 | 16431 | 83569 | 95768 | 70 |
| 40 | 12309 | 16583 | 83417 | 95726 | 60 |
| 50 | 12419 | 16736 | 83264 | 95684 | 50 |
| 60 | 12530 | 16888 | 83112 | 95641 | 40 |
| 70 | 12640 | 17041 | 82959 | 95599 | 30 |
| 80 | 12750 | 17193 | 82807 | 95557 | 20 |
| 90 | 12860 | 17346 | 82654 | 95515 | 10 |
| **29 oo** | 12970 | 17498 | 82502 | 95472 | **71 oo** |
| 10 | 13081 | 17650 | 82350 | 95430 | 90 |
| 20 | 13191 | 17803 | 82197 | 95388 | 80 |
| 30 | 13301 | 17955 | 82045 | 95346 | 70 |
| 40 | 13411 | 18108 | 81892 | 95304 | 60 |
| 50 | 13521 | 18260 | 81740 | 95261 | 50 |
| 60 | 13632 | 18413 | 81587 | 95219 | 40 |
| 70 | 13742 | 18565 | 81435 | 95177 | 30 |
| 80 | 13852 | 18717 | 81283 | 95135 | 20 |
| 90 | 13962 | 18870 | 81130 | 95092 | 10 |
| **30 oo** | 14072 | 19022 | 80978 | 95050 | **70 oo** |
| | **9.72** | **9.79** | **0.20** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **64g** |
| | 110 | 152 | 152 | 43 | |

| | 153 | 152 | 111 | 110 | 43 | 42 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,3 | 15,2 | 11,1 | 11,0 | 4,3 | 4,2 | 1 |
| 2 | 30,6 | 30,4 | 22,2 | 22,0 | 8,6 | 8,4 | 2 |
| 3 | 45,9 | 45,6 | 33,3 | 33,0 | 12,9 | 12,6 | 3 |
| 4 | 61,2 | 60,8 | 44,4 | 44,0 | 17,2 | 16,8 | 4 |
| 5 | 76,5 | 76,0 | 55,5 | 55,0 | 21,5 | 21,0 | 5 |
| 6 | 91,8 | 91,2 | 66,6 | 66,0 | 25,8 | 25,2 | 6 |
| 7 | 107,1 | 106,4 | 77,7 | 77,0 | 30,1 | 29,4 | 7 |
| 8 | 122,4 | 121,6 | 88,8 | 88,0 | 34,4 | 33,6 | 8 |
| 9 | 137,7 | 136,8 | 99,9 | 99,0 | 38,7 | 37,8 | 9 |

| 35g | 111 | 153 | 153 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **30 oo** | 14072 | 19022 | 80978 | 95050 | **70 oo** |
| 10 | 14182 | 19175 | 80825 | 95008 | 90 |
| 20 | 14292 | 19327 | 80673 | 94966 | 80 |
| 30 | 14403 | 19479 | 80521 | 94923 | 70 |
| 40 | 14513 | 19632 | 80368 | 94881 | 60 |
| 50 | 14623 | 19784 | 80216 | 94839 | 50 |
| 60 | 14733 | 19937 | 80063 | 94797 | 40 |
| 70 | 14843 | 20089 | 79911 | 94754 | 30 |
| 80 | 14953 | 20241 | 79759 | 94712 | 20 |
| 90 | 15063 | 20394 | 79606 | 94670 | 10 |
| **31 oo** | 15174 | 20546 | 79454 | 94627 | **69 oo** |
| 10 | 15284 | 20698 | 79302 | 94585 | 90 |
| 20 | 15394 | 20851 | 79149 | 94543 | 80 |
| 30 | 15504 | 21003 | 78997 | 94501 | 70 |
| 40 | 15614 | 21156 | 78844 | 94458 | 60 |
| 50 | 15724 | 21308 | 78692 | 94416 | 50 |
| 60 | 15834 | 21460 | 78540 | 94374 | 40 |
| 70 | 15944 | 21613 | 78387 | 94332 | 30 |
| 80 | 16054 | 21765 | 78235 | 94289 | 20 |
| 90 | 16164 | 21917 | 78083 | 94247 | 10 |
| **32 oo** | 16275 | 22070 | 77930 | 94205 | **68 oo** |
| 10 | 16385 | 22222 | 77778 | 94163 | 90 |
| 20 | 16495 | 22374 | 77626 | 94120 | 80 |
| 30 | 16605 | 22527 | 77473 | 94078 | 70 |
| 40 | 16715 | 22679 | 77321 | 94036 | 60 |
| 50 | 16825 | 22831 | 77169 | 93993 | 50 |
| 60 | 16935 | 22984 | 77016 | 93951 | 40 |
| 70 | 17045 | 23136 | 76864 | 93909 | 30 |
| 80 | 17155 | 23288 | 76712 | 93867 | 20 |
| 90 | 17265 | 23441 | 76559 | 93824 | 10 |
| **33 oo** | 17375 | 23593 | 76407 | 93782 | **67 oo** |
| 10 | 17485 | 23745 | 76255 | 93740 | 90 |
| 20 | 17595 | 23898 | 76102 | 93697 | 80 |
| 30 | 17705 | 24050 | 75950 | 93655 | 70 |
| 40 | 17815 | 24202 | 75798 | 93613 | 60 |
| 50 | 17925 | 24355 | 75645 | 93570 | 50 |
| 60 | 18035 | 24507 | 75493 | 93528 | 40 |
| 70 | 18145 | 24659 | 75341 | 93486 | 30 |
| 80 | 18255 | 24812 | 75188 | 93444 | 20 |
| 90 | 18365 | 24964 | 75036 | 93401 | 10 |
| **34 oo** | 18475 | 25116 | 74884 | 93359 | **66 oo** |
| 10 | 18585 | 25269 | 74731 | 93317 | 90 |
| 20 | 18695 | 25421 | 74579 | 93274 | 80 |
| 30 | 18805 | 25573 | 74427 | 93232 | 70 |
| 40 | 18915 | 25726 | 74274 | 93190 | 60 |
| 50 | 19025 | 25878 | 74122 | 93147 | 50 |
| 60 | 19135 | 26030 | 73970 | 93105 | 40 |
| 70 | 19245 | 26182 | 73818 | 93063 | 30 |
| 80 | 19355 | 26335 | 73665 | 93020 | 20 |
| 90 | 19465 | 26487 | 73513 | 92978 | 10 |
| **35 oo** | 19575 | 26639 | 73361 | 92936 | **65 oo** |
| | **9.72** | **9.79** | **0.20** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | 64g |
| | 110 | 152 | 152 | 43 | |

| 35g | 110 | 153 | 153 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **35 oo** | 19575 | 26639 | 73361 | 92936 | **65 oo** |
| 10 | 19685 | 26792 | 73208 | 92893 | 90 |
| 20 | 19795 | 26944 | 73056 | 92851 | 80 |
| 30 | 19905 | 27096 | 72904 | 92809 | 70 |
| 40 | 20015 | 27248 | 72752 | 92766 | 60 |
| 50 | 20125 | 27401 | 72599 | 92724 | 50 |
| 60 | 20235 | 27553 | 72447 | 92682 | 40 |
| 70 | 20345 | 27705 | 72295 | 92639 | 30 |
| 80 | 20455 | 27857 | 72143 | 92597 | 20 |
| 90 | 20565 | 28010 | 71990 | 92555 | 10 |
| **36 oo** | 20674 | 28162 | 71838 | 92512 | **64 oo** |
| 10 | 20784 | 28314 | 71686 | 92470 | 90 |
| 20 | 20894 | 28467 | 71533 | 92428 | 80 |
| 30 | 21004 | 28619 | 71381 | 92385 | 70 |
| 40 | 21114 | 28771 | 71229 | 92343 | 60 |
| 50 | 21224 | 28923 | 71077 | 92301 | 50 |
| 60 | 21334 | 29076 | 70924 | 92258 | 40 |
| 70 | 21444 | 29228 | 70772 | 92216 | 30 |
| 80 | 21554 | 29380 | 70620 | 92174 | 20 |
| 90 | 21664 | 29532 | 70468 | 92131 | 10 |
| **37 oo** | 21774 | 29684 | 70316 | 92089 | **63 oo** |
| 10 | 21883 | 29837 | 70163 | 92047 | 90 |
| 20 | 21993 | 29989 | 70011 | 92004 | 80 |
| 30 | 22103 | 30141 | 69859 | 91962 | 70 |
| 40 | 22213 | 30293 | 69707 | 91920 | 60 |
| 50 | 22323 | 30446 | 69554 | 91877 | 50 |
| 60 | 22433 | 30598 | 69402 | 91835 | 40 |
| 70 | 22543 | 30750 | 69250 | 91793 | 30 |
| 80 | 22652 | 30902 | 69098 | 91750 | 20 |
| 90 | 22762 | 31055 | 68945 | 91708 | 10 |
| **38 oo** | 22872 | 31207 | 68793 | 91665 | **62 oo** |
| 10 | 22982 | 31359 | 68641 | 91623 | 90 |
| 20 | 23092 | 31511 | 68489 | 91581 | 80 |
| 30 | 23202 | 31663 | 68337 | 91538 | 70 |
| 40 | 23312 | 31816 | 68184 | 91496 | 60 |
| 50 | 23421 | 31968 | 68032 | 91454 | 50 |
| 60 | 23531 | 32120 | 67880 | 91411 | 40 |
| 70 | 23641 | 32272 | 67728 | 91369 | 30 |
| 80 | 23751 | 32424 | 67576 | 91326 | 20 |
| 90 | 23861 | 32577 | 67423 | 91284 | 10 |
| **39 oo** | 23970 | 32729 | 67271 | 91242 | **61 oo** |
| 10 | 24080 | 32881 | 67119 | 91199 | 90 |
| 20 | 24190 | 33033 | 66967 | 91157 | 80 |
| 30 | 24300 | 33185 | 66815 | 91115 | 70 |
| 40 | 24410 | 33337 | 66663 | 91072 | 60 |
| 50 | 24519 | 33490 | 66510 | 91030 | 50 |
| 60 | 24629 | 33642 | 66358 | 90987 | 40 |
| 70 | 24739 | 33794 | 66206 | 90945 | 30 |
| 80 | 24849 | 33946 | 66054 | 90903 | 20 |
| 90 | 24959 | 34098 | 65902 | 90860 | 10 |
| **40 oo** | 25068 | 34251 | 65749 | 90818 | **60 oo** |
| | **9.72** | **9.79** | **0.20** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | 64g |
| | 109 | 152 | 152 | 43 | |

| | 153 | 152 | 111 | 110 | 109 | 43 | 42 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,3 | 15,2 | 11,1 | 11,0 | 10,9 | 4,3 | 4,2 | 1 |
| 2 | 30,6 | 30,4 | 22,2 | 22,0 | 21,8 | 8,6 | 8,4 | 2 |
| 3 | 45,9 | 45,6 | 33,3 | 33,0 | 32,7 | 12,9 | 12,6 | 3 |
| 4 | 61,2 | 60,8 | 44,4 | 44,0 | 43,6 | 17,2 | 16,8 | 4 |
| 5 | 76,5 | 76,0 | 55,5 | 55,0 | 54,5 | 21,5 | 21,0 | 5 |
| 6 | 91,8 | 91,2 | 66,6 | 66,0 | 65,4 | 25,8 | 25,2 | 6 |
| 7 | 107,1 | 106,4 | 77,7 | 77,0 | 76,3 | 30,1 | 29,4 | 7 |
| 8 | 122,4 | 121,6 | 88,8 | 88,0 | 87,2 | 34,4 | 33,6 | 8 |
| 9 | 137,7 | 136,8 | 99,9 | 99,0 | 98,1 | 38,7 | 37,8 | 9 |

| 35g | 110 | 153 | 153 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **40 oo** | 25068 | 34251 | 65749 | 90818 | **60 oo** |
| 10 | 25178 | 34403 | 65597 | 90775 | 90 |
| 20 | 25288 | 34555 | 65445 | 90733 | 80 |
| 30 | 25398 | 34707 | 65293 | 90691 | 70 |
| 40 | 25507 | 34859 | 65141 | 90648 | 60 |
| 50 | 25617 | 35011 | 64989 | 90606 | 50 |
| 60 | 25727 | 35163 | 64837 | 90563 | 40 |
| 70 | 25837 | 35316 | 64684 | 90521 | 30 |
| 80 | 25946 | 35468 | 64532 | 90479 | 20 |
| 90 | 26056 | 35620 | 64380 | 90436 | 10 |
| **41 oo** | 26166 | 35772 | 64228 | 90394 | **59 oo** |
| 10 | 26276 | 35924 | 64076 | 90351 | 90 |
| 20 | 26385 | 36076 | 63924 | 90309 | 80 |
| 30 | 26495 | 36228 | 63772 | 90267 | 70 |
| 40 | 26605 | 36381 | 63619 | 90224 | 60 |
| 50 | 26714 | 36533 | 63467 | 90182 | 50 |
| 60 | 26824 | 36685 | 63315 | 90139 | 40 |
| 70 | 26934 | 36837 | 63163 | 90097 | 30 |
| 80 | 27044 | 36989 | 63011 | 90054 | 20 |
| 90 | 27153 | 37141 | 62859 | 90012 | 10 |
| **42 oo** | 27263 | 37293 | 62707 | 89970 | **58 oo** |
| 10 | 27373 | 37445 | 62555 | 89927 | 90 |
| 20 | 27482 | 37598 | 62402 | 89885 | 80 |
| 30 | 27592 | 37750 | 62250 | 89842 | 70 |
| 40 | 27702 | 37902 | 62098 | 89800 | 60 |
| 50 | 27811 | 38054 | 61946 | 89757 | 50 |
| 60 | 27921 | 38206 | 61794 | 89715 | 40 |
| 70 | 28031 | 38358 | 61642 | 89673 | 30 |
| 80 | 28140 | 38510 | 61490 | 89630 | 20 |
| 90 | 28250 | 38662 | 61338 | 89588 | 10 |
| **43 oo** | 28360 | 38814 | 61186 | 89545 | **57 oo** |
| 10 | 28469 | 38966 | 61034 | 89503 | 90 |
| 20 | 28579 | 39119 | 60881 | 89460 | 80 |
| 30 | 28689 | 39271 | 60729 | 89418 | 70 |
| 40 | 28798 | 39423 | 60577 | 89375 | 60 |
| 50 | 28908 | 39575 | 60425 | 89333 | 50 |
| 60 | 29018 | 39727 | 60273 | 89291 | 40 |
| 70 | 29127 | 39879 | 60121 | 89248 | 30 |
| 80 | 29237 | 40031 | 59969 | 89206 | 20 |
| 90 | 29346 | 40183 | 59817 | 89163 | 10 |
| **44 oo** | 29456 | 40335 | 59665 | 89121 | **56 oo** |
| 10 | 29566 | 40487 | 59513 | 89078 | 90 |
| 20 | 29675 | 40639 | 59361 | 89036 | 80 |
| 30 | 29785 | 40791 | 59209 | 88993 | 70 |
| 40 | 29894 | 40943 | 59057 | 88951 | 60 |
| 50 | 30004 | 41096 | 58904 | 88908 | 50 |
| 60 | 30114 | 41248 | 58752 | 88866 | 40 |
| 70 | 30223 | 41400 | 58600 | 88824 | 30 |
| 80 | 30333 | 41552 | 58448 | 88781 | 20 |
| 90 | 30442 | 41704 | 58296 | 88739 | 10 |
| **45 oo** | 30552 | 41856 | 58144 | 88696 | **55 oo** |
| | **9.72** | **9.79** | **0.20** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 109 | 152 | 152 | 43 | 64g |

| 35g | 110 | 152 | 152 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **45 oo** | 30552 | 41856 | 58144 | 88696 | **55 oo** |
| 10 | 30662 | 42008 | 57992 | 88654 | 90 |
| 20 | 30771 | 42160 | 57840 | 88611 | 80 |
| 30 | 30881 | 42312 | 57688 | 88569 | 70 |
| 40 | 30990 | 42464 | 57536 | 88526 | 60 |
| 50 | 31100 | 42616 | 57384 | 88484 | 50 |
| 60 | 31209 | 42768 | 57232 | 88441 | 40 |
| 70 | 31319 | 42920 | 57080 | 88399 | 30 |
| 80 | 31428 | 43072 | 56928 | 88356 | 20 |
| 90 | 31538 | 43224 | 56776 | 88314 | 10 |
| **46 oo** | 31648 | 43376 | 56624 | 88271 | **54 oo** |
| 10 | 31757 | 43528 | 56472 | 88229 | 90 |
| 20 | 31867 | 43680 | 56320 | 88186 | 80 |
| 30 | 31976 | 43832 | 56168 | 88144 | 70 |
| 40 | 32086 | 43984 | 56016 | 88101 | 60 |
| 50 | 32195 | 44136 | 55864 | 88059 | 50 |
| 60 | 32305 | 44288 | 55712 | 88016 | 40 |
| 70 | 32414 | 44440 | 55560 | 87974 | 30 |
| 80 | 32524 | 44592 | 55408 | 87931 | 20 |
| 90 | 32633 | 44744 | 55256 | 87889 | 10 |
| **47 oo** | 32743 | 44896 | 55104 | 87846 | **53 oo** |
| 10 | 32852 | 45048 | 54952 | 87804 | 90 |
| 20 | 32962 | 45200 | 54800 | 87761 | 80 |
| 30 | 33071 | 45352 | 54648 | 87719 | 70 |
| 40 | 33181 | 45504 | 54496 | 87676 | 60 |
| 50 | 33290 | 45656 | 54344 | 87634 | 50 |
| 60 | 33400 | 45808 | 54192 | 87591 | 40 |
| 70 | 33509 | 45960 | 54040 | 87549 | 30 |
| 80 | 33619 | 46112 | 53888 | 87506 | 20 |
| 90 | 33728 | 46264 | 53736 | 87464 | 10 |
| **48 oo** | 33838 | 46416 | 53584 | 87421 | **52 oo** |
| 10 | 33947 | 46568 | 53432 | 87379 | 90 |
| 20 | 34056 | 46720 | 53280 | 87336 | 80 |
| 30 | 34166 | 46872 | 53128 | 87294 | 70 |
| 40 | 34275 | 47024 | 52976 | 87251 | 60 |
| 50 | 34385 | 47176 | 52824 | 87209 | 50 |
| 60 | 34494 | 47328 | 52672 | 87166 | 40 |
| 70 | 34604 | 47480 | 52520 | 87124 | 30 |
| 80 | 34713 | 47632 | 52368 | 87081 | 20 |
| 90 | 34823 | 47784 | 52216 | 87039 | 10 |
| **49 oo** | 34932 | 47936 | 52064 | 86996 | **51 oo** |
| 10 | 35041 | 48088 | 51912 | 86954 | 90 |
| 20 | 35151 | 48240 | 51760 | 86911 | 80 |
| 30 | 35260 | 48392 | 51608 | 86869 | 70 |
| 40 | 35370 | 48544 | 51456 | 86826 | 60 |
| 50 | 35479 | 48696 | 51304 | 86783 | 50 |
| 60 | 35588 | 48848 | 51152 | 86741 | 40 |
| 70 | 35698 | 48999 | 51001 | 86698 | 30 |
| 80 | 35807 | 49151 | 50849 | 86656 | 20 |
| 90 | 35917 | 49303 | 50697 | 86613 | 10 |
| **50 oo** | 36026 | 49455 | 50545 | 86571 | **50 oo** |
| | **9.72** | **9.79** | **0.20** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 109 | 151 | 151 | 43 | 64g |

| | 153 | 152 | 151 | 110 | 109 | 43 | 42 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,3 | 15,2 | 15,1 | 11,0 | 10,9 | 4,3 | 4,2 | 1 |
| 2 | 30,6 | 30,4 | 30,2 | 22,0 | 21,8 | 8,6 | 8,4 | 2 |
| 3 | 45,9 | 45,6 | 45,3 | 33,0 | 32,7 | 12,9 | 12,6 | 3 |
| 4 | 61,2 | 60,8 | 60,4 | 44,0 | 43,6 | 17,2 | 16,8 | 4 |
| 5 | 76,5 | 76,0 | 75,5 | 55,0 | 54,5 | 21,5 | 21,0 | 5 |
| 6 | 91,8 | 91,2 | 90,6 | 66,0 | 65,4 | 25,8 | 25,2 | 6 |
| 7 | 107,1 | 106,4 | 105,7 | 77,0 | 76,3 | 30,1 | 29,4 | 7 |
| 8 | 122,4 | 121,6 | 120,8 | 88,0 | 87,2 | 34,4 | 33,6 | 8 |
| 9 | 137,7 | 136,8 | 135,9 | 99,0 | 98,1 | 38,7 | 37,8 | 9 |

| 35g | 110 | 152 | 152 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **50 oo** | 36026 | 49455 | 50545 | 86571 | **50 oo** |
| 10 | 36135 | 49607 | 50393 | 86528 | 90 |
| 20 | 36245 | 49759 | 50241 | 86486 | 80 |
| 30 | 36354 | 49911 | 50089 | 86443 | 70 |
| 40 | 36464 | 50063 | 49937 | 86401 | 60 |
| 50 | 36573 | 50215 | 49785 | 86358 | 50 |
| 60 | 36682 | 50367 | 49633 | 86315 | 40 |
| 70 | 36792 | 50519 | 49481 | 86273 | 30 |
| 80 | 36901 | 50671 | 49329 | 86230 | 20 |
| 90 | 37010 | 50823 | 49177 | 86188 | 10 |
| **51 oo** | 37120 | 50974 | 49026 | 86145 | **49 oo** |
| 10 | 37229 | 51126 | 48874 | 86103 | 90 |
| 20 | 37338 | 51278 | 48722 | 86060 | 80 |
| 30 | 37448 | 51430 | 48570 | 86018 | 70 |
| 40 | 37557 | 51582 | 48418 | 85975 | 60 |
| 50 | 37666 | 51734 | 48266 | 85932 | 50 |
| 60 | 37776 | 51886 | 48114 | 85890 | 40 |
| 70 | 37885 | 52038 | 47962 | 85847 | 30 |
| 80 | 37994 | 52190 | 47810 | 85805 | 20 |
| 90 | 38104 | 52342 | 47658 | 85762 | 10 |
| **52 oo** | 38213 | 52493 | 47507 | 85720 | **48 oo** |
| 10 | 38322 | 52645 | 47355 | 85677 | 90 |
| 20 | 38432 | 52797 | 47203 | 85634 | 80 |
| 30 | 38541 | 52949 | 47051 | 85592 | 70 |
| 40 | 38650 | 53101 | 46899 | 85549 | 60 |
| 50 | 38759 | 53253 | 46747 | 85507 | 50 |
| 60 | 38869 | 53405 | 46595 | 85464 | 40 |
| 70 | 38978 | 53557 | 46443 | 85421 | 30 |
| 80 | 39087 | 53708 | 46292 | 85379 | 20 |
| 90 | 39197 | 53860 | 46140 | 85336 | 10 |
| **53 oo** | 39306 | 54012 | 45988 | 85294 | **47 oo** |
| 10 | 39415 | 54164 | 45836 | 85251 | 90 |
| 20 | 39524 | 54316 | 45684 | 85209 | 80 |
| 30 | 39634 | 54468 | 45532 | 85166 | 70 |
| 40 | 39743 | 54620 | 45380 | 85123 | 60 |
| 50 | 39852 | 54771 | 45229 | 85081 | 50 |
| 60 | 39961 | 54923 | 45077 | 85038 | 40 |
| 70 | 40071 | 55075 | 44925 | 84996 | 30 |
| 80 | 40180 | 55227 | 44773 | 84953 | 20 |
| 90 | 40289 | 55379 | 44621 | 84910 | 10 |
| **54 oo** | 40398 | 55531 | 44469 | 84868 | **46 oo** |
| 10 | 40508 | 55682 | 44318 | 84825 | 90 |
| 20 | 40617 | 55834 | 44166 | 84783 | 80 |
| 30 | 40726 | 55986 | 44014 | 84740 | 70 |
| 40 | 40835 | 56138 | 43862 | 84697 | 60 |
| 50 | 40944 | 56290 | 43710 | 84655 | 50 |
| 60 | 41054 | 56442 | 43558 | 84612 | 40 |
| 70 | 41163 | 56593 | 43407 | 84569 | 30 |
| 80 | 41272 | 56745 | 43255 | 84527 | 20 |
| 90 | 41381 | 56897 | 43103 | 84484 | 10 |
| **55 oo** | 41491 | 57049 | 42951 | 84442 | **45 oo** |
| | **9.72** | **9.79** | **0.20** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | 64g |
| | 109 | 151 | 151 | 43 | |

| 35g | 110 | 152 | 152 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **55 oo** | 41491 | 57049 | 42951 | 84442 | **45 oo** |
| 10 | 41600 | 57201 | 42799 | 84399 | 90 |
| 20 | 41709 | 57352 | 42648 | 84356 | 80 |
| 30 | 41818 | 57504 | 42496 | 84314 | 70 |
| 40 | 41927 | 57656 | 42344 | 84271 | 60 |
| 50 | 42036 | 57808 | 42192 | 84229 | 50 |
| 60 | 42146 | 57960 | 42040 | 84186 | 40 |
| 70 | 42255 | 58112 | 41888 | 84143 | 30 |
| 80 | 42364 | 58263 | 41737 | 84101 | 20 |
| 90 | 42473 | 58415 | 41585 | 84058 | 10 |
| **56 oo** | 42582 | 58567 | 41433 | 84015 | **44 oo** |
| 10 | 42691 | 58719 | 41281 | 83973 | 90 |
| 20 | 42801 | 58870 | 41130 | 83930 | 80 |
| 30 | 42910 | 59022 | 40978 | 83887 | 70 |
| 40 | 43019 | 59174 | 40826 | 83845 | 60 |
| 50 | 43128 | 59326 | 40674 | 83802 | 50 |
| 60 | 43237 | 59478 | 40522 | 83760 | 40 |
| 70 | 43346 | 59629 | 40371 | 83717 | 30 |
| 80 | 43455 | 59781 | 40219 | 83674 | 20 |
| 90 | 43565 | 59933 | 40067 | 83632 | 10 |
| **57 oo** | 43674 | 60085 | 39915 | 83589 | **43 oo** |
| 10 | 43783 | 60236 | 39764 | 83546 | 90 |
| 20 | 43892 | 60388 | 39612 | 83504 | 80 |
| 30 | 44001 | 60540 | 39460 | 83461 | 70 |
| 40 | 44110 | 60692 | 39308 | 83418 | 60 |
| 50 | 44219 | 60843 | 39157 | 83376 | 50 |
| 60 | 44328 | 60995 | 39005 | 83333 | 40 |
| 70 | 44437 | 61147 | 38853 | 83290 | 30 |
| 80 | 44546 | 61299 | 38701 | 83248 | 20 |
| 90 | 44656 | 61450 | 38550 | 83205 | 10 |
| **58 oo** | 44765 | 61602 | 38398 | 83162 | **42 oo** |
| 10 | 44874 | 61754 | 38246 | 83120 | 90 |
| 20 | 44983 | 61906 | 38094 | 83077 | 80 |
| 30 | 45092 | 62057 | 37943 | 83034 | 70 |
| 40 | 45201 | 62209 | 37791 | 82992 | 60 |
| 50 | 45310 | 62361 | 37639 | 82949 | 50 |
| 60 | 45419 | 62513 | 37487 | 82906 | 40 |
| 70 | 45528 | 62664 | 37336 | 82864 | 30 |
| 80 | 45637 | 62816 | 37184 | 82821 | 20 |
| 90 | 45746 | 62968 | 37032 | 82778 | 10 |
| **59 oo** | 45855 | 63120 | 36880 | 82736 | **41 oo** |
| 10 | 45964 | 63271 | 36729 | 82693 | 90 |
| 20 | 46073 | 63423 | 36577 | 82650 | 80 |
| 30 | 46182 | 63575 | 36425 | 82608 | 70 |
| 40 | 46291 | 63726 | 36274 | 82565 | 60 |
| 50 | 46400 | 63878 | 36122 | 82522 | 50 |
| 60 | 46509 | 64030 | 35970 | 82480 | 40 |
| 70 | 46618 | 64182 | 35818 | 82437 | 30 |
| 80 | 46727 | 64333 | 35667 | 82394 | 20 |
| 90 | 46836 | 64485 | 35515 | 82351 | 10 |
| **60 oo** | 46945 | 64637 | 35363 | 82309 | **40 oo** |
| | **9.72** | **9.79** | **0.20** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | 64g |
| | 109 | 151 | 151 | 43 | |

| | 152 | 151 | 110 | 109 | 43 | 42 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,2 | 15,1 | 11,0 | 10,9 | 4,3 | 4,2 | 1 |
| 2 | 30,4 | 30,2 | 22,0 | 21,8 | 8,6 | 8,4 | 2 |
| 3 | 45,6 | 45,3 | 33,0 | 32,7 | 12,9 | 12,6 | 3 |
| 4 | 60,8 | 60,4 | 44,0 | 43,6 | 17,2 | 16,8 | 4 |
| 5 | 76,0 | 75,5 | 55,0 | 54,5 | 21,5 | 21,0 | 5 |
| 6 | 91,2 | 90,6 | 66,0 | 65,4 | 25,8 | 25,2 | 6 |
| 7 | 106,4 | 105,7 | 77,0 | 76,3 | 30,1 | 29,4 | 7 |
| 8 | 121,6 | 120,8 | 88,0 | 87,2 | 34,4 | 33,6 | 8 |
| 9 | 136,8 | 135,9 | 99,0 | 98,1 | 38,7 | 37,8 | 9 |

| 35g | 109 | 152 | 152 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **60 oo** | 46945 | 64637 | 35363 | 82309 | **40 oo** |
| 10 | 47054 | 64788 | 35212 | 82266 | 90 |
| 20 | 47163 | 64940 | 35060 | 82223 | 80 |
| 30 | 47272 | 65092 | 34908 | 82181 | 70 |
| 40 | 47381 | 65243 | 34757 | 82138 | 60 |
| 50 | 47490 | 65395 | 34605 | 82095 | 50 |
| 60 | 47599 | 65547 | 34453 | 82053 | 40 |
| 70 | 47708 | 65698 | 34302 | 82010 | 30 |
| 80 | 47817 | 65850 | 34150 | 81967 | 20 |
| 90 | 47926 | 66002 | 33998 | 81924 | 10 |
| **61 oo** | 48035 | 66154 | 33846 | 81882 | **39 oo** |
| 10 | 48144 | 66305 | 33695 | 81839 | 90 |
| 20 | 48253 | 66457 | 33543 | 81796 | 80 |
| 30 | 48362 | 66609 | 33391 | 81754 | 70 |
| 40 | 48471 | 66760 | 33240 | 81711 | 60 |
| 50 | 48580 | 66912 | 33088 | 81668 | 50 |
| 60 | 48689 | 67064 | 32936 | 81625 | 40 |
| 70 | 48798 | 67215 | 32785 | 81583 | 30 |
| 80 | 48907 | 67367 | 32633 | 81540 | 20 |
| 90 | 49016 | 67518 | 32482 | 81497 | 10 |
| **62 oo** | 49125 | 67670 | 32330 | 81455 | **38 oo** |
| 10 | 49234 | 67822 | 32178 | 81412 | 90 |
| 20 | 49343 | 67973 | 32027 | 81369 | 80 |
| 30 | 49452 | 68125 | 31875 | 81326 | 70 |
| 40 | 49560 | 68277 | 31723 | 81284 | 60 |
| 50 | 49669 | 68428 | 31572 | 81241 | 50 |
| 60 | 49778 | 68580 | 31420 | 81198 | 40 |
| 70 | 49887 | 68732 | 31268 | 81156 | 30 |
| 80 | 49996 | 68883 | 31117 | 81113 | 20 |
| 90 | 50105 | 69035 | 30965 | 81070 | 10 |
| **63 oo** | 50214 | 69187 | 30813 | 81027 | **37 oo** |
| 10 | 50323 | 69338 | 30662 | 80985 | 90 |
| 20 | 50432 | 69490 | 30510 | 80942 | 80 |
| 30 | 50540 | 69641 | 30359 | 80899 | 70 |
| 40 | 50649 | 69793 | 30207 | 80856 | 60 |
| 50 | 50758 | 69945 | 30055 | 80814 | 50 |
| 60 | 50867 | 70096 | 29904 | 80771 | 40 |
| 70 | 50976 | 70248 | 29752 | 80728 | 30 |
| 80 | 51085 | 70399 | 29601 | 80685 | 20 |
| 90 | 51194 | 70551 | 29449 | 80643 | 10 |
| **64 oo** | 51303 | 70703 | 29297 | 80600 | **36 oo** |
| 10 | 51411 | 70854 | 29146 | 80557 | 90 |
| 20 | 51520 | 71006 | 28994 | 80514 | 80 |
| 30 | 51629 | 71158 | 28842 | 80472 | 70 |
| 40 | 51738 | 71309 | 28691 | 80429 | 60 |
| 50 | 51847 | 71461 | 28539 | 80386 | 50 |
| 60 | 51956 | 71612 | 28388 | 80343 | 40 |
| 70 | 52064 | 71764 | 28236 | 80301 | 30 |
| 80 | 52173 | 71915 | 28085 | 80258 | 20 |
| 90 | 52282 | 72067 | 27933 | 80215 | 10 |
| **65 oo** | 52391 | 72219 | 27781 | 80172 | **35 oo** |
| | **9.72** | **9.79** | **0.20** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | 64g |
| | 108 | 151 | 151 | 43 | |

| 35g | 109 | 152 | 152 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **65 oo** | 52391 | 72219 | 27781 | 80172 | **35 oo** |
| 10 | 52500 | 72370 | 27630 | 80129 | 90 |
| 20 | 52608 | 72522 | 27478 | 80087 | 80 |
| 30 | 52717 | 72673 | 27327 | 80044 | 70 |
| 40 | 52826 | 72825 | 27175 | 80001 | 60 |
| 50 | 52935 | 72977 | 27023 | 79958 | 50 |
| 60 | 53044 | 73128 | 26872 | 79916 | 40 |
| 70 | 53152 | 73280 | 26720 | 79873 | 30 |
| 80 | 53261 | 73431 | 26569 | 79830 | 20 |
| 90 | 53370 | 73583 | 26417 | 79787 | 10 |
| **66 oo** | 53479 | 73734 | 26266 | 79744 | **34 oo** |
| 10 | 53588 | 73886 | 26114 | 79702 | 90 |
| 20 | 53696 | 74037 | 25963 | 79659 | 80 |
| 30 | 53805 | 74189 | 25811 | 79616 | 70 |
| 40 | 53914 | 74341 | 25659 | 79573 | 60 |
| 50 | 54023 | 74492 | 25508 | 79531 | 50 |
| 60 | 54131 | 74644 | 25356 | 79488 | 40 |
| 70 | 54240 | 74795 | 25205 | 79445 | 30 |
| 80 | 54349 | 74947 | 25053 | 79402 | 20 |
| 90 | 54458 | 75098 | 24902 | 79359 | 10 |
| **67 oo** | 54566 | 75250 | 24750 | 79317 | **33 oo** |
| 10 | 54675 | 75401 | 24599 | 79274 | 90 |
| 20 | 54784 | 75553 | 24447 | 79231 | 80 |
| 30 | 54893 | 75704 | 24296 | 79188 | 70 |
| 40 | 55001 | 75856 | 24144 | 79145 | 60 |
| 50 | 55110 | 76007 | 23993 | 79103 | 50 |
| 60 | 55219 | 76159 | 23841 | 79060 | 40 |
| 70 | 55327 | 76311 | 23689 | 79017 | 30 |
| 80 | 55436 | 76462 | 23538 | 78974 | 20 |
| 90 | 55545 | 76614 | 23386 | 78931 | 10 |
| **68 oo** | 55654 | 76765 | 23235 | 78888 | **32 oo** |
| 10 | 55762 | 76917 | 23083 | 78846 | 90 |
| 20 | 55871 | 77068 | 22932 | 78803 | 80 |
| 30 | 55980 | 77220 | 22780 | 78760 | 70 |
| 40 | 56088 | 77371 | 22629 | 78717 | 60 |
| 50 | 56197 | 77523 | 22477 | 78674 | 50 |
| 60 | 56306 | 77674 | 22326 | 78632 | 40 |
| 70 | 56414 | 77826 | 22174 | 78589 | 30 |
| 80 | 56523 | 77977 | 22023 | 78546 | 20 |
| 90 | 56632 | 78129 | 21871 | 78503 | 10 |
| **69 oo** | 56740 | 78280 | 21720 | 78460 | **31 oo** |
| 10 | 56849 | 78432 | 21568 | 78417 | 90 |
| 20 | 56958 | 78583 | 21417 | 78375 | 80 |
| 30 | 57066 | 78735 | 21265 | 78332 | 70 |
| 40 | 57175 | 78886 | 21114 | 78289 | 60 |
| 50 | 57284 | 79038 | 20962 | 78246 | 50 |
| 60 | 57392 | 79189 | 20811 | 78203 | 40 |
| 70 | 57501 | 79340 | 20660 | 78160 | 30 |
| 80 | 57610 | 79492 | 20508 | 78118 | 20 |
| 90 | 57718 | 79643 | 20357 | 78075 | 10 |
| **70 oo** | 57827 | 79795 | 20205 | 78032 | **30 oo** |
| | **9.72** | **9.79** | **0.20** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | 64g |
| | 108 | 151 | 151 | 43 | |

| | 152 | 151 | 109 | 108 | 43 | 42 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,2 | 15,1 | 10,9 | 10,8 | 4,3 | 4,2 | 1 |
| 2 | 30,4 | 30,2 | 21,8 | 21,6 | 8,6 | 8,4 | 2 |
| 3 | 45,6 | 45,3 | 32,7 | 32,4 | 12,9 | 12,6 | 3 |
| 4 | 60,8 | 60,4 | 43,6 | 43,2 | 17,2 | 16,8 | 4 |
| 5 | 76,0 | 75,5 | 54,5 | 54,0 | 21,5 | 21,0 | 5 |
| 6 | 91,2 | 90,6 | 65,4 | 64,8 | 25,8 | 25,2 | 6 |
| 7 | 106,4 | 105,7 | 76,3 | 75,6 | 30,1 | 29,4 | 7 |
| 8 | 121,6 | 120,8 | 87,2 | 86,4 | 34,4 | 33,6 | 8 |
| 9 | 136,8 | 135,9 | 98,1 | 97,2 | 38,7 | 37,8 | 9 |

| 35g | 109 | 152 | 152 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **70 oo** | 57827 | 79795 | 20205 | 78032 | **30 oo** |
| 10 | 57935 | 79946 | 20054 | 77989 | 90 |
| 20 | 58044 | 80098 | 19902 | 77946 | 80 |
| 30 | 58153 | 80249 | 19751 | 77903 | 70 |
| 40 | 58261 | 80401 | 19599 | 77861 | 60 |
| 50 | 58370 | 80552 | 19448 | 77818 | 50 |
| 60 | 58478 | 80704 | 19296 | 77775 | 40 |
| 70 | 58587 | 80855 | 19145 | 77732 | 30 |
| 80 | 58696 | 81007 | 18993 | 77689 | 20 |
| 90 | 58804 | 81158 | 18842 | 77646 | 10 |
| **71 oo** | 58913 | 81309 | 18691 | 77603 | **29 oo** |
| 10 | 59021 | 81461 | 18539 | 77561 | 90 |
| 20 | 59130 | 81612 | 18388 | 77518 | 80 |
| 30 | 59239 | 81764 | 18236 | 77475 | 70 |
| 40 | 59347 | 81915 | 18085 | 77432 | 60 |
| 50 | 59456 | 82067 | 17933 | 77389 | 50 |
| 60 | 59564 | 82218 | 17782 | 77346 | 40 |
| 70 | 59673 | 82369 | 17631 | 77303 | 30 |
| 80 | 59781 | 82521 | 17479 | 77260 | 20 |
| 90 | 59890 | 82672 | 17328 | 77218 | 10 |
| **72 oo** | 59999 | 82824 | 17176 | 77175 | **28 oo** |
| 10 | 60107 | 82975 | 17025 | 77132 | 90 |
| 20 | 60216 | 83127 | 16873 | 77089 | 80 |
| 30 | 60324 | 83278 | 16722 | 77046 | 70 |
| 40 | 60433 | 83429 | 16571 | 77003 | 60 |
| 50 | 60541 | 83581 | 16419 | 76960 | 50 |
| 60 | 60650 | 83732 | 16268 | 76917 | 40 |
| 70 | 60758 | 83884 | 16116 | 76875 | 30 |
| 80 | 60867 | 84035 | 15965 | 76832 | 20 |
| 90 | 60975 | 84186 | 15814 | 76789 | 10 |
| **73 oo** | 61084 | 84338 | 15662 | 76746 | **27 oo** |
| 10 | 61192 | 84489 | 15511 | 76703 | 90 |
| 20 | 61301 | 84641 | 15359 | 76660 | 80 |
| 30 | 61409 | 84792 | 15208 | 76617 | 70 |
| 40 | 61518 | 84943 | 15057 | 76574 | 60 |
| 50 | 61626 | 85095 | 14905 | 76531 | 50 |
| 60 | 61735 | 85246 | 14754 | 76489 | 40 |
| 70 | 61843 | 85398 | 14602 | 76446 | 30 |
| 80 | 61952 | 85549 | 14451 | 76403 | 20 |
| 90 | 62060 | 85700 | 14300 | 76360 | 10 |
| **74 oo** | 62169 | 85852 | 14148 | 76317 | **26 oo** |
| 10 | 62277 | 86003 | 13997 | 76274 | 90 |
| 20 | 62386 | 86154 | 13846 | 76231 | 80 |
| 30 | 62494 | 86306 | 13694 | 76188 | 70 |
| 40 | 62603 | 86457 | 13543 | 76145 | 60 |
| 50 | 62711 | 86609 | 13391 | 76102 | 50 |
| 60 | 62819 | 86760 | 13240 | 76060 | 40 |
| 70 | 62928 | 86911 | 13089 | 76017 | 30 |
| 80 | 63036 | 87063 | 12937 | 75974 | 20 |
| 90 | 63145 | 87214 | 12786 | 75931 | 10 |
| **75 oo** | 63253 | 87365 | 12635 | 75888 | **25 oo** |
| | **9.72** | **9.79** | **0.20** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | 64g |
| | 108 | 151 | 151 | 43 | |

| 35g | 109 | 152 | 152 | 42 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **75 oo** | 63253 | 87365 | 12635 | 75888 | **25 oo** |
| 10 | 63362 | 87517 | 12483 | 75845 | 90 |
| 20 | 63470 | 87668 | 12332 | 75802 | 80 |
| 30 | 63579 | 87819 | 12181 | 75759 | 70 |
| 40 | 63687 | 87971 | 12029 | 75716 | 60 |
| 50 | 63795 | 88122 | 11878 | 75673 | 50 |
| 60 | 63904 | 88273 | 11727 | 75630 | 40 |
| 70 | 64012 | 88425 | 11575 | 75587 | 30 |
| 80 | 64121 | 88576 | 11424 | 75544 | 20 |
| 90 | 64229 | 88727 | 11273 | 75502 | 10 |
| **76 oo** | 64337 | 88879 | 11121 | 75459 | **24 oo** |
| 10 | 64446 | 89030 | 10970 | 75416 | 90 |
| 20 | 64554 | 89181 | 10819 | 75373 | 80 |
| 30 | 64663 | 89333 | 10667 | 75330 | 70 |
| 40 | 64771 | 89484 | 10516 | 75287 | 60 |
| 50 | 64879 | 89635 | 10365 | 75244 | 50 |
| 60 | 64988 | 89787 | 10213 | 75201 | 40 |
| 70 | 65096 | 89938 | 10062 | 75158 | 30 |
| 80 | 65204 | 90089 | 09911 | 75115 | 20 |
| 90 | 65313 | 90241 | 09759 | 75072 | 10 |
| **77 oo** | 65421 | 90392 | 09608 | 75029 | **23 oo** |
| 10 | 65530 | 90543 | 09457 | 74986 | 90 |
| 20 | 65638 | 90695 | 09305 | 74943 | 80 |
| 30 | 65746 | 90846 | 09154 | 74900 | 70 |
| 40 | 65855 | 90997 | 09003 | 74857 | 60 |
| 50 | 65963 | 91148 | 08852 | 74814 | 50 |
| 60 | 66071 | 91300 | 08700 | 74772 | 40 |
| 70 | 66180 | 91451 | 08549 | 74729 | 30 |
| 80 | 66288 | 91602 | 08398 | 74686 | 20 |
| 90 | 66396 | 91754 | 08246 | 74643 | 10 |
| **78 oo** | 66505 | 91905 | 08095 | 74600 | **22 oo** |
| 10 | 66613 | 92056 | 07944 | 74557 | 90 |
| 20 | 66721 | 92207 | 07793 | 74514 | 80 |
| 30 | 66830 | 92359 | 07641 | 74471 | 70 |
| 40 | 66938 | 92510 | 07490 | 74428 | 60 |
| 50 | 67046 | 92661 | 07339 | 74385 | 50 |
| 60 | 67154 | 92813 | 07187 | 74342 | 40 |
| 70 | 67263 | 92964 | 07036 | 74299 | 30 |
| 80 | 67371 | 93115 | 06885 | 74256 | 20 |
| 90 | 67479 | 93266 | 06734 | 74213 | 10 |
| **79 oo** | 67588 | 93418 | 06582 | 74170 | **21 oo** |
| 10 | 67696 | 93569 | 06431 | 74127 | 90 |
| 20 | 67804 | 93720 | 06280 | 74084 | 80 |
| 30 | 67912 | 93871 | 06129 | 74041 | 70 |
| 40 | 68021 | 94023 | 05977 | 73998 | 60 |
| 50 | 68129 | 94174 | 05826 | 73955 | 50 |
| 60 | 68237 | 94325 | 05675 | 73912 | 40 |
| 70 | 68345 | 94476 | 05524 | 73869 | 30 |
| 80 | 68454 | 94628 | 05372 | 73826 | 20 |
| 90 | 68562 | 94779 | 05221 | 73783 | 10 |
| **80 oo** | 68670 | 94930 | 05070 | 73740 | **20 oo** |
| | **9.72** | **9.79** | **0.20** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | 64g |
| | 108 | 151 | 151 | 43 | |

| | 152 | 151 | 109 | 108 | 43 | 42 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,2 | 15,1 | 10,9 | 10,8 | 4,3 | 4,2 | 1 |
| 2 | 30,4 | 30,2 | 21,8 | 21,6 | 8,6 | 8,4 | 2 |
| 3 | 45,6 | 45,3 | 32,7 | 32,4 | 12,9 | 12,6 | 3 |
| 4 | 60,8 | 60,4 | 43,6 | 43,2 | 17,2 | 16,8 | 4 |
| 5 | 76,0 | 75,5 | 54,5 | 54,0 | 21,5 | 21,0 | 5 |
| 6 | 91,2 | 90,6 | 65,4 | 64,8 | 25,8 | 25,2 | 6 |
| 7 | 106,4 | 105,7 | 76,3 | 75,6 | 30,1 | 29,4 | 7 |
| 8 | 121,6 | 120,8 | 87,2 | 86,4 | 34,4 | 33,6 | 8 |
| 9 | 136,8 | 135,9 | 98,1 | 97,2 | 38,7 | 37,8 | 9 |

| 35g | 109 | 152 | 152 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.79** | **0.20** | **9.92** | |
| **80 oo** | 68670 | 94930 | 05070 | 73740 | **20 oo** |
| 10 | 68778 | 95081 | 04919 | 73697 | 90 |
| 20 | 68887 | 95233 | 04767 | 73654 | 80 |
| 30 | 68995 | 95384 | 04616 | 73611 | 70 |
| 40 | 69103 | 95535 | 04465 | 73568 | 60 |
| 50 | 69211 | 95686 | 04314 | 73525 | 50 |
| 60 | 69320 | 95838 | 04162 | 73482 | 40 |
| 70 | 69428 | 95989 | 04011 | 73439 | 30 |
| 80 | 69536 | 96140 | 03860 | 73396 | 20 |
| 90 | 69644 | 96291 | 03709 | 73353 | 10 |
| **81 oo** | 69753 | 96442 | 03558 | 73310 | **19 oo** |
| 10 | 69861 | 96594 | 03406 | 73267 | 90 |
| 20 | 69969 | 96745 | 03255 | 73224 | 80 |
| 30 | 70077 | 96896 | 03104 | 73181 | 70 |
| 40 | 70185 | 97047 | 02953 | 73138 | 60 |
| 50 | 70294 | 97198 | 02802 | 73095 | 50 |
| 60 | 70402 | 97350 | 02650 | 73052 | 40 |
| 70 | 70510 | 97501 | 02499 | 73009 | 30 |
| 80 | 70618 | 97652 | 02348 | 72966 | 20 |
| 90 | 70726 | 97803 | 02197 | 72923 | 10 |
| **82 oo** | 70834 | 97954 | 02046 | 72880 | **18 oo** |
| 10 | 70943 | 98106 | 01894 | 72837 | 90 |
| 20 | 71051 | 98257 | 01743 | 72794 | 80 |
| 30 | 71159 | 98408 | 01592 | 72751 | 70 |
| 40 | 71267 | 98559 | 01441 | 72708 | 60 |
| 50 | 71375 | 98710 | 01290 | 72665 | 50 |
| 60 | 71483 | 98862 | 01138 | 72622 | 40 |
| 70 | 71592 | 99013 | 00987 | 72579 | 30 |
| 80 | 71700 | 99164 | 00836 | 72536 | 20 |
| 90 | 71808 | 99315 | 00685 | 72493 | 10 |
| **83 oo** | 71916 | 99466 | 00534 | 72450 | **17 oo** |
| 10 | 72024 | 99617 | 00383 | 72407 | 90 |
| 20 | 72132 | 99769 | 00231 | 72364 | 80 |
| 30 | 72240 | 99920 | 00080 | 72321 | 70 |
| 40 | 72348 | *00071 | *99929 | 72277 | 60 |
| 50 | 72457 | *00222 | *99778 | 72234 | 50 |
| 60 | 72565 | *00373 | *99627 | 72191 | 40 |
| 70 | 72673 | *00524 | *99476 | 72148 | 30 |
| 80 | 72781 | *00676 | *99324 | 72105 | 20 |
| 90 | 72889 | *00827 | *99173 | 72062 | 10 |
| **84 oo** | 72997 | *00978 | *99022 | 72019 | **16 oo** |
| 10 | 73105 | *01129 | *98871 | 71976 | 90 |
| 20 | 73213 | *01280 | *98720 | 71933 | 80 |
| 30 | 73321 | *01431 | *98569 | 71890 | 70 |
| 40 | 73429 | *01582 | *98418 | 71847 | 60 |
| 50 | 73537 | *01734 | *98266 | 71804 | 50 |
| 60 | 73646 | *01885 | *98115 | 71761 | 40 |
| 70 | 73754 | *02036 | *97964 | 71718 | 30 |
| 80 | 73862 | *02187 | *97813 | 71675 | 20 |
| 90 | 73970 | *02338 | *97662 | 71632 | 10 |
| **85 oo** | 74078 | *02489 | *97511 | 71589 | **15 oo** |
| | **9.72** | ***9.80** | ***0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **64g** |
| | 108 | 151 | 151 | 44 | |

| 35g | 108 | 152 | 152 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.80** | **0.19** | **9.92** | |
| **85 oo** | 74078 | 02489 | 97511 | 71589 | **15 oo** |
| 10 | 74186 | 02640 | 97360 | 71546 | 90 |
| 20 | 74294 | 02791 | 97209 | 71502 | 80 |
| 30 | 74402 | 02943 | 97057 | 71459 | 70 |
| 40 | 74510 | 03094 | 96906 | 71416 | 60 |
| 50 | 74618 | 03245 | 96755 | 71373 | 50 |
| 60 | 74726 | 03396 | 96604 | 71330 | 40 |
| 70 | 74834 | 03547 | 96453 | 71287 | 30 |
| 80 | 74942 | 03698 | 96302 | 71244 | 20 |
| 90 | 75050 | 03849 | 96151 | 71201 | 10 |
| **86 oo** | 75158 | 04000 | 96000 | 71158 | **14 oo** |
| 10 | 75266 | 04151 | 95849 | 71115 | 90 |
| 20 | 75374 | 04303 | 95697 | 71072 | 80 |
| 30 | 75482 | 04454 | 95546 | 71029 | 70 |
| 40 | 75590 | 04605 | 95395 | 70985 | 60 |
| 50 | 75698 | 04756 | 95244 | 70942 | 50 |
| 60 | 75806 | 04907 | 95093 | 70899 | 40 |
| 70 | 75914 | 05058 | 94942 | 70856 | 30 |
| 80 | 76022 | 05209 | 94791 | 70813 | 20 |
| 90 | 76130 | 05360 | 94640 | 70770 | 10 |
| **87 oo** | 76238 | 05511 | 94489 | 70727 | **13 oo** |
| 10 | 76346 | 05662 | 94338 | 70684 | 90 |
| 20 | 76454 | 05813 | 94187 | 70641 | 80 |
| 30 | 76562 | 05965 | 94035 | 70598 | 70 |
| 40 | 76670 | 06116 | 93884 | 70555 | 60 |
| 50 | 76778 | 06267 | 93733 | 70511 | 50 |
| 60 | 76886 | 06418 | 93582 | 70468 | 40 |
| 70 | 76994 | 06569 | 93431 | 70425 | 30 |
| 80 | 77102 | 06720 | 93280 | 70382 | 20 |
| 90 | 77210 | 06871 | 93129 | 70339 | 10 |
| **88 oo** | 77318 | 07022 | 92978 | 70296 | **12 oo** |
| 10 | 77426 | 07173 | 92827 | 70253 | 90 |
| 20 | 77534 | 07324 | 92676 | 70210 | 80 |
| 30 | 77642 | 07475 | 92525 | 70167 | 70 |
| 40 | 77750 | 07626 | 92374 | 70123 | 60 |
| 50 | 77858 | 07777 | 92223 | 70080 | 50 |
| 60 | 77965 | 07928 | 92072 | 70037 | 40 |
| 70 | 78073 | 08079 | 91921 | 69994 | 30 |
| 80 | 78181 | 08230 | 91770 | 69951 | 20 |
| 90 | 78289 | 08381 | 91619 | 69908 | 10 |
| **89 oo** | 78397 | 08532 | 91468 | 69865 | **11 oo** |
| 10 | 78505 | 08683 | 91317 | 69822 | 90 |
| 20 | 78613 | 08835 | 91165 | 69778 | 80 |
| 30 | 78721 | 08986 | 91014 | 69735 | 70 |
| 40 | 78829 | 09137 | 90863 | 69692 | 60 |
| 50 | 78937 | 09288 | 90712 | 69649 | 50 |
| 60 | 79045 | 09439 | 90561 | 69606 | 40 |
| 70 | 79152 | 09590 | 90410 | 69563 | 30 |
| 80 | 79260 | 09741 | 90259 | 69520 | 20 |
| 90 | 79368 | 09892 | 90108 | 69476 | 10 |
| **90 oo** | 79476 | 10043 | 89957 | 69433 | **10 oo** |
| | **9.72** | **9.80** | **0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **64g** |
| | 107 | 151 | 151 | 44 | |

| | 152 | 151 | 109 | 108 | 107 | 44 | 43 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,2 | 15,1 | 10,9 | 10,8 | 10,7 | 4,4 | 4,3 | 1 |
| 2 | 30,4 | 30,2 | 21,8 | 21,6 | 21,4 | 8,8 | 8,6 | 2 |
| 3 | 45,6 | 45,3 | 32,7 | 32,4 | 32,1 | 13,2 | 12,9 | 3 |
| 4 | 60,8 | 60,4 | 43,6 | 43,2 | 42,8 | 17,6 | 17,2 | 4 |
| 5 | 76,0 | 75,5 | 54,5 | 54,0 | 53,5 | 22,0 | 21,5 | 5 |
| 6 | 91,2 | 90,6 | 65,4 | 64,8 | 64,2 | 26,4 | 25,8 | 6 |
| 7 | 106,4 | 105,7 | 76,3 | 75,6 | 74,9 | 30,8 | 30,1 | 7 |
| 8 | 121,6 | 120,8 | 87,2 | 86,4 | 85,6 | 35,2 | 34,4 | 8 |
| 9 | 136,8 | 135,9 | 98,1 | 97,2 | 96,3 | 39,6 | 38,7 | 9 |

| 35g | 108 | 151 | 151 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.80** | **0.19** | **9.92** | |
| **90 00** | 79476 | 10043 | 89957 | 69433 | **10 00** |
| 10 | 79584 | 10194 | 89806 | 69390 | 90 |
| 20 | 79692 | 10345 | 89655 | 69347 | 80 |
| 30 | 79800 | 10496 | 89504 | 69304 | 70 |
| 40 | 79907 | 10647 | 89353 | 69261 | 60 |
| 50 | 80015 | 10798 | 89202 | 69218 | 50 |
| 60 | 80123 | 10949 | 89051 | 69174 | 40 |
| 70 | 80231 | 11100 | 88900 | 69131 | 30 |
| 80 | 80339 | 11251 | 88749 | 69088 | 20 |
| 90 | 80447 | 11402 | 88598 | 69045 | 10 |
| **91 00** | 80555 | 11553 | 88447 | 69002 | **09 00** |
| 10 | 80662 | 11704 | 88296 | 68959 | 90 |
| 20 | 80770 | 11855 | 88145 | 68915 | 80 |
| 30 | 80878 | 12006 | 87994 | 68872 | 70 |
| 40 | 80986 | 12157 | 87843 | 68829 | 60 |
| 50 | 81094 | 12308 | 87692 | 68786 | 50 |
| 60 | 81201 | 12459 | 87541 | 68743 | 40 |
| 70 | 81309 | 12610 | 87390 | 68700 | 30 |
| 80 | 81417 | 12761 | 87239 | 68657 | 20 |
| 90 | 81525 | 12912 | 87088 | 68613 | 10 |
| **92 00** | 81633 | 13062 | 86938 | 68570 | **08 00** |
| 10 | 81740 | 13213 | 86787 | 68527 | 90 |
| 20 | 81848 | 13364 | 86636 | 68484 | 80 |
| 30 | 81956 | 13515 | 86485 | 68441 | 70 |
| 40 | 82064 | 13666 | 86334 | 68397 | 60 |
| 50 | 82172 | 13817 | 86183 | 68354 | 50 |
| 60 | 82279 | 13968 | 86032 | 68311 | 40 |
| 70 | 82387 | 14119 | 85881 | 68268 | 30 |
| 80 | 82495 | 14270 | 85730 | 68225 | 20 |
| 90 | 82603 | 14421 | 85579 | 68182 | 10 |
| **93 00** | 82710 | 14572 | 85428 | 68138 | **07 00** |
| 10 | 82818 | 14723 | 85277 | 68095 | 90 |
| 20 | 82926 | 14874 | 85126 | 68052 | 80 |
| 30 | 83034 | 15025 | 84975 | 68009 | 70 |
| 40 | 83141 | 15176 | 84824 | 67966 | 60 |
| 50 | 83249 | 15327 | 84673 | 67922 | 50 |
| 60 | 83357 | 15478 | 84522 | 67879 | 40 |
| 70 | 83465 | 15629 | 84371 | 67836 | 30 |
| 80 | 83572 | 15780 | 84220 | 67793 | 20 |
| 90 | 83680 | 15930 | 84070 | 67750 | 10 |
| **94 00** | 83788 | 16081 | 83919 | 67706 | **06 00** |
| 10 | 83896 | 16232 | 83768 | 67663 | 90 |
| 20 | 84003 | 16383 | 83617 | 67620 | 80 |
| 30 | 84111 | 16534 | 83466 | 67577 | 70 |
| 40 | 84219 | 16685 | 83315 | 67534 | 60 |
| 50 | 84326 | 16836 | 83164 | 67490 | 50 |
| 60 | 84434 | 16987 | 83013 | 67447 | 40 |
| 70 | 84542 | 17138 | 82862 | 67404 | 30 |
| 80 | 84649 | 17289 | 82711 | 67361 | 20 |
| 90 | 84757 | 17440 | 82560 | 67318 | 10 |
| **95 00** | 84865 | 17591 | 82409 | 67274 | **05 00** |
| | **9.72** | **9.80** | **0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 107 | 150 | 150 | 44 | **64g** |

| 35g | 108 | 151 | 151 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.80** | **0.19** | **9.92** | |
| **95 00** | 84865 | 17591 | 82409 | 67274 | **05 00** |
| 10 | 84973 | 17741 | 82259 | 67231 | 90 |
| 20 | 85080 | 17892 | 82108 | 67188 | 80 |
| 30 | 85188 | 18043 | 81957 | 67145 | 70 |
| 40 | 85296 | 18194 | 81806 | 67101 | 60 |
| 50 | 85403 | 18345 | 81655 | 67058 | 50 |
| 60 | 85511 | 18496 | 81504 | 67015 | 40 |
| 70 | 85619 | 18647 | 81353 | 66972 | 30 |
| 80 | 85726 | 18798 | 81202 | 66929 | 20 |
| 90 | 85834 | 18949 | 81051 | 66885 | 10 |
| **96 00** | 85941 | 19099 | 80901 | 66842 | **04 00** |
| 10 | 86049 | 19250 | 80750 | 66799 | 90 |
| 20 | 86157 | 19401 | 80599 | 66756 | 80 |
| 30 | 86264 | 19552 | 80448 | 66712 | 70 |
| 40 | 86372 | 19703 | 80297 | 66669 | 60 |
| 50 | 86480 | 19854 | 80146 | 66626 | 50 |
| 60 | 86587 | 20005 | 79995 | 66583 | 40 |
| 70 | 86695 | 20156 | 79844 | 66539 | 30 |
| 80 | 86803 | 20306 | 79694 | 66496 | 20 |
| 90 | 86910 | 20457 | 79543 | 66453 | 10 |
| **97 00** | 87018 | 20608 | 79392 | 66410 | **03 00** |
| 10 | 87125 | 20759 | 79241 | 66366 | 90 |
| 20 | 87233 | 20910 | 79090 | 66323 | 80 |
| 30 | 87341 | 21061 | 78939 | 66280 | 70 |
| 40 | 87448 | 21211 | 78789 | 66237 | 60 |
| 50 | 87556 | 21362 | 78638 | 66193 | 50 |
| 60 | 87663 | 21513 | 78487 | 66150 | 40 |
| 70 | 87771 | 21664 | 78336 | 66107 | 30 |
| 80 | 87878 | 21815 | 78185 | 66064 | 20 |
| 90 | 87986 | 21966 | 78034 | 66020 | 10 |
| **98 00** | 88094 | 22117 | 77883 | 65977 | **02 00** |
| 10 | 88201 | 22267 | 77733 | 65934 | 90 |
| 20 | 88309 | 22418 | 77582 | 65891 | 80 |
| 30 | 88416 | 22569 | 77431 | 65847 | 70 |
| 40 | 88524 | 22720 | 77280 | 65804 | 60 |
| 50 | 88631 | 22871 | 77129 | 65761 | 50 |
| 60 | 88739 | 23021 | 76979 | 65717 | 40 |
| 70 | 88847 | 23172 | 76828 | 65674 | 30 |
| 80 | 88954 | 23323 | 76677 | 65631 | 20 |
| 90 | 89062 | 23474 | 76526 | 65588 | 10 |
| **99 00** | 89169 | 23625 | 76375 | 65544 | **01 00** |
| 10 | 89277 | 23776 | 76224 | 65501 | 90 |
| 20 | 89384 | 23926 | 76074 | 65458 | 80 |
| 30 | 89492 | 24077 | 75923 | 65415 | 70 |
| 40 | 89599 | 24228 | 75772 | 65371 | 60 |
| 50 | 89707 | 24379 | 75621 | 65328 | 50 |
| 60 | 89814 | 24530 | 75470 | 65285 | 40 |
| 70 | 89922 | 24680 | 75320 | 65241 | 30 |
| 80 | 90029 | 24831 | 75169 | 65198 | 20 |
| 90 | 90137 | 24982 | 75018 | 65155 | 10 |
| **100 00** | 90244 | 25133 | 74867 | 65112 | **00 00** |
| | **9.72** | **9.80** | **0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 107 | 150 | 150 | 44 | **64g** |

| | 151 | 150 | 108 | 107 | 44 | 43 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,1 | 15,0 | 10,8 | 10,7 | 4,4 | 4,3 | 1 |
| 2 | 30,2 | 30,0 | 21,6 | 21,4 | 8,8 | 8,6 | 2 |
| 3 | 45,3 | 45,0 | 32,4 | 32,1 | 13,2 | 12,9 | 3 |
| 4 | 60,4 | 60,0 | 43,2 | 42,8 | 17,6 | 17,2 | 4 |
| 5 | 75,5 | 75,0 | 54,0 | 53,5 | 22,0 | 21,5 | 5 |
| 6 | 90,6 | 90,0 | 64,8 | 64,2 | 26,4 | 25,8 | 6 |
| 7 | 105,7 | 105,0 | 75,6 | 74,9 | 30,8 | 30,1 | 7 |
| 8 | 120,8 | 120,0 | 86,4 | 85,6 | 35,2 | 34,4 | 8 |
| 9 | 135,9 | 135,0 | 97,2 | 96,3 | 39,6 | 38,7 | 9 |

| $36^g$ | 108 | 151 | 151 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.80** | **0.19** | **9.92** | |
| **00 oo** | 90244 | 25133 | 74867 | 65112 | **100 oo** |
| 10 | 90352 | 25284 | 74716 | 65068 | 90 |
| 20 | 90459 | 25434 | 74566 | 65025 | 80 |
| 30 | 90567 | 25585 | 74415 | 64982 | 70 |
| 40 | 90674 | 25736 | 74264 | 64938 | 60 |
| 50 | 90782 | 25887 | 74113 | 64895 | 50 |
| 60 | 90889 | 26037 | 73963 | 64852 | 40 |
| 70 | 90997 | 26188 | 73812 | 64808 | 30 |
| 80 | 91104 | 26339 | 73661 | 64765 | 20 |
| 90 | 91212 | 26490 | 73510 | 64722 | 10 |
| **01 oo** | 91319 | 26641 | 73359 | 64679 | **99 oo** |
| 10 | 91427 | 26791 | 73209 | 64635 | 90 |
| 20 | 91534 | 26942 | 73058 | 64592 | 80 |
| 30 | 91641 | 27093 | 72907 | 64549 | 70 |
| 40 | 91749 | 27244 | 72756 | 64505 | 60 |
| 50 | 91856 | 27394 | 72606 | 64462 | 50 |
| 60 | 91964 | 27545 | 72455 | 64419 | 40 |
| 70 | 92071 | 27696 | 72304 | 64375 | 30 |
| 80 | 92179 | 27847 | 72153 | 64332 | 20 |
| 90 | 92286 | 27997 | 72003 | 64289 | 10 |
| **02 oo** | 92393 | 28148 | 71852 | 64245 | **98 oo** |
| 10 | 92501 | 28299 | 71701 | 64202 | 90 |
| 20 | 92608 | 28450 | 71550 | 64159 | 80 |
| 30 | 92716 | 28600 | 71400 | 64115 | 70 |
| 40 | 92823 | 28751 | 71249 | 64072 | 60 |
| 50 | 92931 | 28902 | 71098 | 64029 | 50 |
| 60 | 93038 | 29052 | 70948 | 63985 | 40 |
| 70 | 93145 | 29203 | 70797 | 63942 | 30 |
| 80 | 93253 | 29354 | 70646 | 63899 | 20 |
| 90 | 93360 | 29505 | 70495 | 63855 | 10 |
| **03 oo** | 93467 | 29655 | 70345 | 63812 | **97 oo** |
| 10 | 93575 | 29806 | 70194 | 63769 | 90 |
| 20 | 93682 | 29957 | 70043 | 63725 | 80 |
| 30 | 93790 | 30108 | 69892 | 63682 | 70 |
| 40 | 93897 | 30258 | 69742 | 63639 | 60 |
| 50 | 94004 | 30409 | 69591 | 63595 | 50 |
| 60 | 94112 | 30560 | 69440 | 63552 | 40 |
| 70 | 94219 | 30710 | 69290 | 63509 | 30 |
| 80 | 94326 | 30861 | 69139 | 63465 | 20 |
| 90 | 94434 | 31012 | 68988 | 63422 | 10 |
| **04 oo** | 94541 | 31163 | 68837 | 63379 | **96 oo** |
| 10 | 94648 | 31313 | 68687 | 63335 | 90 |
| 20 | 94756 | 31464 | 68536 | 63292 | 80 |
| 30 | 94863 | 31615 | 68385 | 63249 | 70 |
| 40 | 94970 | 31765 | 68235 | 63205 | 60 |
| 50 | 95078 | 31916 | 68084 | 63162 | 50 |
| 60 | 95185 | 32067 | 67933 | 63118 | 40 |
| 70 | 95292 | 32217 | 67783 | 63075 | 30 |
| 80 | 95400 | 32368 | 67632 | 63032 | 20 |
| 90 | 95507 | 32519 | 67481 | 62988 | 10 |
| **05 oo** | 95614 | 32669 | 67331 | 62945 | **95 oo** |
| | **9.72** | **9.80** | **0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | $63^g$ |
| | 107 | 150 | 150 | 44 | |

| $36^g$ | 108 | 151 | 151 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.72** | **9.80** | **0.19** | **9.92** | |
| **05 oo** | 95614 | 32669 | 67331 | 62945 | **95 oo** |
| 10 | 95722 | 32820 | 67180 | 62902 | 90 |
| 20 | 95829 | 32971 | 67029 | 62858 | 80 |
| 30 | 95936 | 33121 | 66879 | 62815 | 70 |
| 40 | 96044 | 33272 | 66728 | 62772 | 60 |
| 50 | 96151 | 33423 | 66577 | 62728 | 50 |
| 60 | 96258 | 33573 | 66427 | 62685 | 40 |
| 70 | 96365 | 33724 | 66276 | 62641 | 30 |
| 80 | 96473 | 33875 | 66125 | 62598 | 20 |
| 90 | 96580 | 34025 | 65975 | 62555 | 10 |
| **06 oo** | 96687 | 34176 | 65824 | 62511 | **94 oo** |
| 10 | 96795 | 34327 | 65673 | 62468 | 90 |
| 20 | 96902 | 34477 | 65523 | 62424 | 80 |
| 30 | 97009 | 34628 | 65372 | 62381 | 70 |
| 40 | 97116 | 34779 | 65221 | 62338 | 60 |
| 50 | 97224 | 34929 | 65071 | 62294 | 50 |
| 60 | 97331 | 35080 | 64920 | 62251 | 40 |
| 70 | 97438 | 35231 | 64769 | 62208 | 30 |
| 80 | 97545 | 35381 | 64619 | 62164 | 20 |
| 90 | 97653 | 35532 | 64468 | 62121 | 10 |
| **07 oo** | 97760 | 35682 | 64318 | 62077 | **93 oo** |
| 10 | 97867 | 35833 | 64167 | 62034 | 90 |
| 20 | 97974 | 35984 | 64016 | 61991 | 80 |
| 30 | 98082 | 36134 | 63866 | 61947 | 70 |
| 40 | 98189 | 36285 | 63715 | 61904 | 60 |
| 50 | 98296 | 36436 | 63564 | 61860 | 50 |
| 60 | 98403 | 36586 | 63414 | 61817 | 40 |
| 70 | 98510 | 36737 | 63263 | 61774 | 30 |
| 80 | 98618 | 36887 | 63113 | 61730 | 20 |
| 90 | 98725 | 37038 | 62962 | 61687 | 10 |
| **08 oo** | 98832 | 37189 | 62811 | 61643 | **92 oo** |
| 10 | 98939 | 37339 | 62661 | 61600 | 90 |
| 20 | 99046 | 37490 | 62510 | 61556 | 80 |
| 30 | 99154 | 37641 | 62359 | 61513 | 70 |
| 40 | 99261 | 37791 | 62209 | 61470 | 60 |
| 50 | 99368 | 37942 | 62058 | 61426 | 50 |
| 60 | 99475 | 38092 | 61908 | 61383 | 40 |
| 70 | 99582 | 38243 | 61757 | 61339 | 30 |
| 80 | 99689 | 38394 | 61606 | 61296 | 20 |
| 90 | 99797 | 38544 | 61456 | 61253 | 10 |
| **09 oo** | 99904 | 38695 | 61305 | 61209 | **91 oo** |
| 10 | *00011 | 38845 | 61155 | 61166 | 90 |
| 20 | *00118 | 38996 | 61004 | 61122 | 80 |
| 30 | *00225 | 39146 | 60854 | 61079 | 70 |
| 40 | *00332 | 39297 | 60703 | 61035 | 60 |
| 50 | *00440 | 39448 | 60552 | 60992 | 50 |
| 60 | *00547 | 39598 | 60402 | 60948 | 40 |
| 70 | *00654 | 39749 | 60251 | 60905 | 30 |
| 80 | *00761 | 39899 | 60101 | 60862 | 20 |
| 90 | *00868 | 40050 | 59950 | 60818 | 10 |
| **10 oo** | *00975 | 40200 | 59800 | 60775 | **90 oo** |
| | ***9.73** | **9.80** | **0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | $63^g$ |
| | 107 | 150 | 150 | 44 | |

| | 151 | 150 | 108 | 107 | 44 | 43 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,1 | 15,0 | 10,8 | 10,7 | 4,4 | 4,3 | 1 |
| 2 | 30,2 | 30,0 | 21,6 | 21,4 | 8,8 | 8,6 | 2 |
| 3 | 45,3 | 45,0 | 32,4 | 32,1 | 13,2 | 12,9 | 3 |
| 4 | 60,4 | 60,0 | 43,2 | 42,8 | 17,6 | 17,2 | 4 |
| 5 | 75,5 | 75,0 | 54,0 | 53,5 | 22,0 | 21,5 | 5 |
| 6 | 90,6 | 90,0 | 64,8 | 64,2 | 26,4 | 25,8 | 6 |
| 7 | 105,7 | 105,0 | 75,6 | 74,9 | 30,8 | 30,1 | 7 |
| 8 | 120,8 | 120,0 | 86,4 | 85,6 | 35,2 | 34,4 | 8 |
| 9 | 135,9 | 135,0 | 97,2 | 96,3 | 39,6 | 38,7 | 9 |

| $36^g$ | 108 | 151 | 151 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.80** | **0.19** | **9.92** | |
| **10 00** | 00975 | 40200 | 59800 | 60775 | **90 00** |
| 10 | 01082 | 40351 | 59649 | 60731 | 90 |
| 20 | 01189 | 40502 | 59498 | 60688 | 80 |
| 30 | 01297 | 40652 | 59348 | 60644 | 70 |
| 40 | 01404 | 40803 | 59197 | 60601 | 60 |
| 50 | 01511 | 40953 | 59047 | 60557 | 50 |
| 60 | 01618 | 41104 | 58896 | 60514 | 40 |
| 70 | 01725 | 41254 | 58746 | 60471 | 30 |
| 80 | 01832 | 41405 | 58595 | 60427 | 20 |
| 90 | 01939 | 41556 | 58444 | 60384 | 10 |
| **11 00** | 02046 | 41706 | 58294 | 60340 | **89 00** |
| 10 | 02153 | 41857 | 58143 | 60297 | 90 |
| 20 | 02260 | 42007 | 57993 | 60253 | 80 |
| 30 | 02367 | 42158 | 57842 | 60210 | 70 |
| 40 | 02475 | 42308 | 57692 | 60166 | 60 |
| 50 | 02582 | 42459 | 57541 | 60123 | 50 |
| 60 | 02689 | 42609 | 57391 | 60079 | 40 |
| 70 | 02796 | 42760 | 57240 | 60036 | 30 |
| 80 | 02903 | 42910 | 57090 | 59992 | 20 |
| 90 | 03010 | 43061 | 56939 | 59949 | 10 |
| **12 00** | 03117 | 43211 | 56789 | 59906 | **88 00** |
| 10 | 03224 | 43362 | 56638 | 59862 | 90 |
| 20 | 03331 | 43512 | 56488 | 59819 | 80 |
| 30 | 03438 | 43663 | 56337 | 59775 | 70 |
| 40 | 03545 | 43813 | 56187 | 59732 | 60 |
| 50 | 03652 | 43964 | 56036 | 59688 | 50 |
| 60 | 03759 | 44114 | 55886 | 59645 | 40 |
| 70 | 03866 | 44265 | 55735 | 59601 | 30 |
| 80 | 03973 | 44415 | 55585 | 59558 | 20 |
| 90 | 04080 | 44566 | 55434 | 59514 | 10 |
| **13 00** | 04187 | 44717 | 55283 | 59471 | **87 00** |
| 10 | 04294 | 44867 | 55133 | 59427 | 90 |
| 20 | 04401 | 45018 | 54982 | 59384 | 80 |
| 30 | 04508 | 45168 | 54832 | 59340 | 70 |
| 40 | 04615 | 45318 | 54682 | 59297 | 60 |
| 50 | 04722 | 45469 | 54531 | 59253 | 50 |
| 60 | 04829 | 45619 | 54381 | 59210 | 40 |
| 70 | 04936 | 45770 | 54230 | 59166 | 30 |
| 80 | 05043 | 45920 | 54080 | 59123 | 20 |
| 90 | 05150 | 46071 | 53929 | 59079 | 10 |
| **14 00** | 05257 | 46221 | 53779 | 59036 | **86 00** |
| 10 | 05364 | 46372 | 53628 | 58992 | 90 |
| 20 | 05471 | 46522 | 53478 | 58949 | 80 |
| 30 | 05578 | 46673 | 53327 | 58905 | 70 |
| 40 | 05685 | 46823 | 53177 | 58862 | 60 |
| 50 | 05792 | 46974 | 53026 | 58818 | 50 |
| 60 | 05899 | 47124 | 52876 | 58775 | 40 |
| 70 | 06006 | 47275 | 52725 | 58731 | 30 |
| 80 | 06113 | 47425 | 52575 | 58688 | 20 |
| 90 | 06220 | 47576 | 52424 | 58644 | 10 |
| **15 00** | 06327 | 47726 | 52274 | 58601 | **85 00** |
| | **9.73** | **9.80** | **0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | $63^g$ |
| | 107 | 150 | 150 | 44 | |

| $36^g$ | 107 | 151 | 151 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.80** | **0.19** | **9.92** | |
| **15 00** | 06327 | 47726 | 52274 | 58601 | **85 00** |
| 10 | 06434 | 47877 | 52123 | 58557 | 90 |
| 20 | 06541 | 48027 | 51973 | 58514 | 80 |
| 30 | 06648 | 48177 | 51823 | 58470 | 70 |
| 40 | 06754 | 48328 | 51672 | 58427 | 60 |
| 50 | 06861 | 48478 | 51522 | 58383 | 50 |
| 60 | 06968 | 48629 | 51371 | 58340 | 40 |
| 70 | 07075 | 48779 | 51221 | 58296 | 30 |
| 80 | 07182 | 48930 | 51070 | 58252 | 20 |
| 90 | 07289 | 49080 | 50920 | 58209 | 10 |
| **16 00** | 07396 | 49231 | 50769 | 58165 | **84 00** |
| 10 | 07503 | 49381 | 50619 | 58122 | 90 |
| 20 | 07610 | 49531 | 50469 | 58078 | 80 |
| 30 | 07717 | 49682 | 50318 | 58035 | 70 |
| 40 | 07824 | 49832 | 50168 | 57991 | 60 |
| 50 | 07930 | 49983 | 50017 | 57948 | 50 |
| 60 | 08037 | 50133 | 49867 | 57904 | 40 |
| 70 | 08144 | 50284 | 49716 | 57861 | 30 |
| 80 | 08251 | 50434 | 49566 | 57817 | 20 |
| 90 | 08358 | 50584 | 49416 | 57774 | 10 |
| **17 00** | 08465 | 50735 | 49265 | 57730 | **83 00** |
| 10 | 08572 | 50885 | 49115 | 57686 | 90 |
| 20 | 08678 | 51036 | 48964 | 57643 | 80 |
| 30 | 08785 | 51186 | 48814 | 57599 | 70 |
| 40 | 08892 | 51336 | 48664 | 57556 | 60 |
| 50 | 08999 | 51487 | 48513 | 57512 | 50 |
| 60 | 09106 | 51637 | 48363 | 57469 | 40 |
| 70 | 09213 | 51788 | 48212 | 57425 | 30 |
| 80 | 09320 | 51938 | 48062 | 57382 | 20 |
| 90 | 09426 | 52088 | 47912 | 57338 | 10 |
| **18 00** | 09533 | 52239 | 47761 | 57294 | **82 00** |
| 10 | 09640 | 52389 | 47611 | 57251 | 90 |
| 20 | 09747 | 52540 | 47460 | 57207 | 80 |
| 30 | 09854 | 52690 | 47310 | 57164 | 70 |
| 40 | 09960 | 52840 | 47160 | 57120 | 60 |
| 50 | 10067 | 52991 | 47009 | 57077 | 50 |
| 60 | 10174 | 53141 | 46859 | 57033 | 40 |
| 70 | 10281 | 53291 | 46709 | 56989 | 30 |
| 80 | 10388 | 53442 | 46558 | 56946 | 20 |
| 90 | 10495 | 53592 | 46408 | 56902 | 10 |
| **19 00** | 10601 | 53743 | 46257 | 56859 | **81 00** |
| 10 | 10708 | 53893 | 46107 | 56815 | 90 |
| 20 | 10815 | 54043 | 45957 | 56772 | 80 |
| 30 | 10922 | 54194 | 45806 | 56728 | 70 |
| 40 | 11028 | 54344 | 45656 | 56684 | 60 |
| 50 | 11135 | 54494 | 45506 | 56641 | 50 |
| 60 | 11242 | 54645 | 45355 | 56597 | 40 |
| 70 | 11349 | 54795 | 45205 | 56554 | 30 |
| 80 | 11455 | 54945 | 45055 | 56510 | 20 |
| 90 | 11562 | 55096 | 44904 | 56466 | 10 |
| **20 00** | 11669 | 55246 | 44754 | 56423 | **80 00** |
| | **9.73** | **9.80** | **0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | $63^g$ |
| | 106 | 150 | 150 | 44 | |

| | 151 | 150 | 108 | 107 | 106 | 44 | 43 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,1 | 15,0 | 10,8 | 10,7 | 10,6 | 4,4 | 4,3 | 1 |
| 2 | 30,2 | 30,0 | 21,6 | 21,4 | 21,2 | 8,8 | 8,6 | 2 |
| 3 | 45,3 | 45,0 | 32,4 | 32,1 | 31,8 | 13,2 | 12,9 | 3 |
| 4 | 60,4 | 60,0 | 43,2 | 42,8 | 42,4 | 17,6 | 17,2 | 4 |
| 5 | 75,5 | 75,0 | 54,0 | 53,5 | 53,0 | 22,0 | 21,5 | 5 |
| 6 | 90,6 | 90,0 | 64,8 | 64,2 | 63,6 | 26,4 | 25,8 | 6 |
| 7 | 105,7 | 105,0 | 75,6 | 74,9 | 74,2 | 30,8 | 30,1 | 7 |
| 8 | 120,8 | 120,0 | 86,4 | 85,6 | 84,8 | 35,2 | 34,4 | 8 |
| 9 | 135,9 | 135,0 | 97,2 | 96,3 | 95,4 | 39,6 | 38,7 | 9 |

| $36^g$ | 107 | 151 | 151 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.80** | **0.19** | **9.92** | |
| **20 00** | 11669 | 55246 | 44754 | 56423 | **80 00** |
| 10 | 11776 | 55397 | 44603 | 56379 | 90 |
| 20 | 11883 | 55547 | 44453 | 56336 | 80 |
| 30 | 11989 | 55697 | 44303 | 56292 | 70 |
| 40 | 12096 | 55848 | 44152 | 56248 | 60 |
| 50 | 12203 | 55998 | 44002 | 56205 | 50 |
| 60 | 12309 | 56148 | 43852 | 56161 | 40 |
| 70 | 12416 | 56299 | 43701 | 56118 | 30 |
| 80 | 12523 | 56449 | 43551 | 56074 | 20 |
| 90 | 12630 | 56599 | 43401 | 56030 | 10 |
| **21 00** | 12736 | 56750 | 43250 | 55987 | **79 00** |
| 10 | 12843 | 56900 | 43100 | 55943 | 90 |
| 20 | 12950 | 57050 | 42950 | 55900 | 80 |
| 30 | 13056 | 57200 | 42800 | 55856 | 70 |
| 40 | 13163 | 57351 | 42649 | 55812 | 60 |
| 50 | 13270 | 57501 | 42499 | 55769 | 50 |
| 60 | 13377 | 57651 | 42349 | 55725 | 40 |
| 70 | 13483 | 57802 | 42198 | 55682 | 30 |
| 80 | 13590 | 57952 | 42048 | 55638 | 20 |
| 90 | 13697 | 58102 | 41898 | 55594 | 10 |
| **22 00** | 13803 | 58253 | 41747 | 55551 | **78 00** |
| 10 | 13910 | 58403 | 41597 | 55507 | 90 |
| 20 | 14017 | 58553 | 41447 | 55463 | 80 |
| 30 | 14123 | 58704 | 41296 | 55420 | 70 |
| 40 | 14230 | 58854 | 41146 | 55376 | 60 |
| 50 | 14337 | 59004 | 40996 | 55333 | 50 |
| 60 | 14443 | 59154 | 40846 | 55289 | 40 |
| 70 | 14550 | 59305 | 40695 | 55245 | 30 |
| 80 | 14657 | 59455 | 40545 | 55202 | 20 |
| 90 | 14763 | 59605 | 40395 | 55158 | 10 |
| **23 00** | 14870 | 59756 | 40244 | 55114 | **77 00** |
| 10 | 14977 | 59906 | 40094 | 55071 | 90 |
| 20 | 15083 | 60056 | 39944 | 55027 | 80 |
| 30 | 15190 | 60206 | 39794 | 54983 | 70 |
| 40 | 15296 | 60357 | 39643 | 54940 | 60 |
| 50 | 15403 | 60507 | 39493 | 54896 | 50 |
| 60 | 15510 | 60657 | 39343 | 54852 | 40 |
| 70 | 15616 | 60808 | 39192 | 54809 | 30 |
| 80 | 15723 | 60958 | 39042 | 54765 | 20 |
| 90 | 15830 | 61108 | 38892 | 54722 | 10 |
| **24 00** | 15936 | 61258 | 38742 | 54678 | **76 00** |
| 10 | 16043 | 61409 | 38591 | 54634 | 90 |
| 20 | 16149 | 61559 | 38441 | 54591 | 80 |
| 30 | 16256 | 61709 | 38291 | 54547 | 70 |
| 40 | 16363 | 61859 | 38141 | 54503 | 60 |
| 50 | 16469 | 62010 | 37990 | 54460 | 50 |
| 60 | 16576 | 62160 | 37840 | 54416 | 40 |
| 70 | 16682 | 62310 | 37690 | 54372 | 30 |
| 80 | 16789 | 62460 | 37540 | 54329 | 20 |
| 90 | 16895 | 62611 | 37389 | 54285 | 10 |
| **25 00** | 17002 | 62761 | 37239 | 54241 | **75 00** |
| | **9.73** | **9.80** | **0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | $63^g$ |
| | 106 | 150 | 150 | 44 | |

| $36^g$ | 107 | 151 | 151 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.80** | **0.19** | **9.92** | |
| **25 00** | 17002 | 62761 | 37239 | 54241 | **75 00** |
| 10 | 17109 | 62911 | 37089 | 54198 | 90 |
| 20 | 17215 | 63061 | 36939 | 54154 | 80 |
| 30 | 17322 | 63211 | 36789 | 54110 | 70 |
| 40 | 17428 | 63362 | 36638 | 54067 | 60 |
| 50 | 17535 | 63512 | 36488 | 54023 | 50 |
| 60 | 17641 | 63662 | 36338 | 53979 | 40 |
| 70 | 17748 | 63812 | 36188 | 53936 | 30 |
| 80 | 17854 | 63963 | 36037 | 53892 | 20 |
| 90 | 17961 | 64113 | 35887 | 53848 | 10 |
| **26 00** | 18068 | 64263 | 35737 | 53804 | **74 00** |
| 10 | 18174 | 64413 | 35587 | 53761 | 90 |
| 20 | 18281 | 64563 | 35437 | 53717 | 80 |
| 30 | 18387 | 64714 | 35286 | 53673 | 70 |
| 40 | 18494 | 64864 | 35136 | 53630 | 60 |
| 50 | 18600 | 65014 | 34986 | 53586 | 50 |
| 60 | 18707 | 65164 | 34836 | 53542 | 40 |
| 70 | 18813 | 65315 | 34685 | 53499 | 30 |
| 80 | 18920 | 65465 | 34535 | 53455 | 20 |
| 90 | 19026 | 65615 | 34385 | 53411 | 10 |
| **27 00** | 19133 | 65765 | 34235 | 53368 | **73 00** |
| 10 | 19239 | 65915 | 34085 | 53324 | 90 |
| 20 | 19346 | 66066 | 33934 | 53280 | 80 |
| 30 | 19452 | 66216 | 33784 | 53236 | 70 |
| 40 | 19559 | 66366 | 33634 | 53193 | 60 |
| 50 | 19665 | 66516 | 33484 | 53149 | 50 |
| 60 | 19772 | 66666 | 33334 | 53105 | 40 |
| 70 | 19878 | 66816 | 33184 | 53062 | 30 |
| 80 | 19985 | 66967 | 33033 | 53018 | 20 |
| 90 | 20091 | 67117 | 32883 | 52974 | 10 |
| **28 00** | 20197 | 67267 | 32733 | 52930 | **72 00** |
| 10 | 20304 | 67417 | 32583 | 52887 | 90 |
| 20 | 20410 | 67567 | 32433 | 52843 | 80 |
| 30 | 20517 | 67717 | 32283 | 52799 | 70 |
| 40 | 20623 | 67868 | 32132 | 52756 | 60 |
| 50 | 20730 | 68018 | 31982 | 52712 | 50 |
| 60 | 20836 | 68168 | 31832 | 52668 | 40 |
| 70 | 20943 | 68318 | 31682 | 52624 | 30 |
| 80 | 21049 | 68468 | 31532 | 52581 | 20 |
| 90 | 21155 | 68618 | 31382 | 52537 | 10 |
| **29 00** | 21262 | 68769 | 31231 | 52493 | **71 00** |
| 10 | 21368 | 68919 | 31081 | 52450 | 90 |
| 20 | 21475 | 69069 | 30931 | 52406 | 80 |
| 30 | 21581 | 69219 | 30781 | 52362 | 70 |
| 40 | 21687 | 69369 | 30631 | 52318 | 60 |
| 50 | 21794 | 69519 | 30481 | 52275 | 50 |
| 60 | 21900 | 69669 | 30331 | 52231 | 40 |
| 70 | 22007 | 69820 | 30180 | 52187 | 30 |
| 80 | 22113 | 69970 | 30030 | 52143 | 20 |
| 90 | 22219 | 70120 | 29880 | 52100 | 10 |
| **30 00** | 22326 | 70270 | 29730 | 52056 | **70 00** |
| | **9.73** | **9.80** | **0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | $63^g$ |
| | 106 | 150 | 150 | 44 | |

| | 151 | 150 | 107 | 106 | 44 | 43 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,1 | 15,0 | 10,7 | 10,6 | 4,4 | 4,3 | 1 |
| 2 | 30,2 | 30,0 | 21,4 | 21,2 | 8,8 | 8,6 | 2 |
| 3 | 45,3 | 45,0 | 32,1 | 31,8 | 13,2 | 12,9 | 3 |
| 4 | 60,4 | 60,0 | 42,8 | 42,4 | 17,6 | 17,2 | 4 |
| 5 | 75,5 | 75,0 | 53,5 | 53,0 | 22,0 | 21,5 | 5 |
| 6 | 90,6 | 90,0 | 64,2 | 63,6 | 26,4 | 25,8 | 6 |
| 7 | 105,7 | 105,0 | 74,9 | 74,2 | 30,8 | 30,1 | 7 |
| 8 | 120,8 | 120,0 | 85,6 | 84,8 | 35,2 | 34,4 | 8 |
| 9 | 135,9 | 135,0 | 96,3 | 95,4 | 39,6 | 38,7 | 9 |

| $36^g$ | 107 | 151 | 151 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.80** | **0.19** | **9.92** | |
| **30 oo** | 22326 | 70270 | 29730 | 52056 | **70 oo** |
| 10 | 22432 | 70420 | 29580 | 52012 | 90 |
| 20 | 22539 | 70570 | 29430 | 51968 | 80 |
| 30 | 22645 | 70720 | 29280 | 51925 | 70 |
| 40 | 22751 | 70870 | 29130 | 51881 | 60 |
| 50 | 22858 | 71021 | 28979 | 51837 | 50 |
| 60 | 22964 | 71171 | 28829 | 51793 | 40 |
| 70 | 23070 | 71321 | 28679 | 51750 | 30 |
| 80 | 23177 | 71471 | 28529 | 51706 | 20 |
| 90 | 23283 | 71621 | 28379 | 51662 | 10 |
| **31 oo** | 23390 | 71771 | 28229 | 51618 | **69 oo** |
| 10 | 23496 | 71921 | 28079 | 51575 | 90 |
| 20 | 23602 | 72071 | 27929 | 51531 | 80 |
| 30 | 23709 | 72221 | 27779 | 51487 | 70 |
| 40 | 23815 | 72372 | 27628 | 51443 | 60 |
| 50 | 23921 | 72522 | 27478 | 51400 | 50 |
| 60 | 24028 | 72672 | 27328 | 51356 | 40 |
| 70 | 24134 | 72822 | 27178 | 51312 | 30 |
| 80 | 24240 | 72972 | 27028 | 51268 | 20 |
| 90 | 24346 | 73122 | 26878 | 51224 | 10 |
| **32 oo** | 24453 | 73272 | 26728 | 51181 | **68 oo** |
| 10 | 24559 | 73422 | 26578 | 51137 | 90 |
| 20 | 24665 | 73572 | 26428 | 51093 | 80 |
| 30 | 24772 | 73722 | 26278 | 51049 | 70 |
| 40 | 24878 | 73872 | 26128 | 51006 | 60 |
| 50 | 24984 | 74023 | 25977 | 50962 | 50 |
| 60 | 25091 | 74173 | 25827 | 50918 | 40 |
| 70 | 25197 | 74323 | 25677 | 50874 | 30 |
| 80 | 25303 | 74473 | 25527 | 50830 | 20 |
| 90 | 25409 | 74623 | 25377 | 50787 | 10 |
| **33 oo** | 25516 | 74773 | 25227 | 50743 | **67 oo** |
| 10 | 25622 | 74923 | 25077 | 50699 | 90 |
| 20 | 25728 | 75073 | 24927 | 50655 | 80 |
| 30 | 25835 | 75223 | 24777 | 50611 | 70 |
| 40 | 25941 | 75373 | 24627 | 50568 | 60 |
| 50 | 26047 | 75523 | 24477 | 50524 | 50 |
| 60 | 26153 | 75673 | 24327 | 50480 | 40 |
| 70 | 26260 | 75823 | 24177 | 50436 | 30 |
| 80 | 26366 | 75973 | 24027 | 50392 | 20 |
| 90 | 26472 | 76123 | 23877 | 50349 | 10 |
| **34 oo** | 26578 | 76273 | 23727 | 50305 | **66 oo** |
| 10 | 26685 | 76423 | 23577 | 50261 | 90 |
| 20 | 26791 | 76574 | 23426 | 50217 | 80 |
| 30 | 26897 | 76724 | 23276 | 50173 | 70 |
| 40 | 27003 | 76874 | 23126 | 50130 | 60 |
| 50 | 27109 | 77024 | 22976 | 50086 | 50 |
| 60 | 27216 | 77174 | 22826 | 50042 | 40 |
| 70 | 27322 | 77324 | 22676 | 49998 | 30 |
| 80 | 27428 | 77474 | 22526 | 49954 | 20 |
| 90 | 27534 | 77624 | 22376 | 49911 | 10 |
| **35 oo** | 27640 | 77774 | 22226 | 49867 | **65 oo** |
| | **9.73** | **9.80** | **0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | $63^g$ |
| | 106 | 150 | 150 | 44 | |

| $36^g$ | 107 | 150 | 150 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.80** | **0.19** | **9.92** | |
| **35 oo** | 27640 | 77774 | 22226 | 49867 | **65 oo** |
| 10 | 27747 | 77924 | 22076 | 49823 | 90 |
| 20 | 27853 | 78074 | 21926 | 49779 | 80 |
| 30 | 27959 | 78224 | 21776 | 49735 | 70 |
| 40 | 28065 | 78374 | 21626 | 49691 | 60 |
| 50 | 28171 | 78524 | 21476 | 49648 | 50 |
| 60 | 28278 | 78674 | 21326 | 49604 | 40 |
| 70 | 28384 | 78824 | 21176 | 49560 | 30 |
| 80 | 28490 | 78974 | 21026 | 49516 | 20 |
| 90 | 28596 | 79124 | 20876 | 49472 | 10 |
| **36 oo** | 28702 | 79274 | 20726 | 49428 | **64 oo** |
| 10 | 28808 | 79424 | 20576 | 49385 | 90 |
| 20 | 28915 | 79574 | 20426 | 49341 | 80 |
| 30 | 29021 | 79724 | 20276 | 49297 | 70 |
| 40 | 29127 | 79874 | 20126 | 49253 | 60 |
| 50 | 29233 | 80024 | 19976 | 49209 | 50 |
| 60 | 29339 | 80174 | 19826 | 49165 | 40 |
| 70 | 29445 | 80324 | 19676 | 49122 | 30 |
| 80 | 29551 | 80474 | 19526 | 49078 | 20 |
| 90 | 29658 | 80624 | 19376 | 49034 | 10 |
| **37 oo** | 29764 | 80774 | 19226 | 48990 | **63 oo** |
| 10 | 29870 | 80924 | 19076 | 48946 | 90 |
| 20 | 29976 | 81074 | 18926 | 48902 | 80 |
| 30 | 30082 | 81224 | 18776 | 48858 | 70 |
| 40 | 30188 | 81374 | 18626 | 48815 | 60 |
| 50 | 30294 | 81524 | 18476 | 48771 | 50 |
| 60 | 30400 | 81674 | 18326 | 48727 | 40 |
| 70 | 30507 | 81824 | 18176 | 48683 | 30 |
| 80 | 30613 | 81974 | 18026 | 48639 | 20 |
| 90 | 30719 | 82123 | 17877 | 48595 | 10 |
| **38 oo** | 30825 | 82273 | 17727 | 48551 | **62 oo** |
| 10 | 30931 | 82423 | 17577 | 48508 | 90 |
| 20 | 31037 | 82573 | 17427 | 48464 | 80 |
| 30 | 31143 | 82723 | 17277 | 48420 | 70 |
| 40 | 31249 | 82873 | 17127 | 48376 | 60 |
| 50 | 31355 | 83023 | 16977 | 48332 | 50 |
| 60 | 31461 | 83173 | 16827 | 48288 | 40 |
| 70 | 31567 | 83323 | 16677 | 48244 | 30 |
| 80 | 31673 | 83473 | 16527 | 48200 | 20 |
| 90 | 31779 | 83623 | 16377 | 48157 | 10 |
| **39 oo** | 31886 | 83773 | 16227 | 48113 | **61 oo** |
| 10 | 31992 | 83923 | 16077 | 48069 | 90 |
| 20 | 32098 | 84073 | 15927 | 48025 | 80 |
| 30 | 32204 | 84223 | 15777 | 47981 | 70 |
| 40 | 32310 | 84373 | 15627 | 47937 | 60 |
| 50 | 32416 | 84523 | 15477 | 47893 | 50 |
| 60 | 32522 | 84672 | 15328 | 47849 | 40 |
| 70 | 32628 | 84822 | 15178 | 47805 | 30 |
| 80 | 32734 | 84972 | 15028 | 47762 | 20 |
| 90 | 32840 | 85122 | 14878 | 47718 | 10 |
| **40 oo** | 32946 | 85272 | 14728 | 47674 | **60 oo** |
| | **9.73** | **9.80** | **0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | $63^g$ |
| | 106 | 149 | 149 | 44 | |

| | 151 | 150 | 149 | 107 | 106 | 44 | 43 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,1 | 15,0 | 14,9 | 10,7 | 10,6 | 4,4 | 4,3 | 1 |
| 2 | 30,2 | 30,0 | 29,8 | 21,4 | 21,2 | 8,8 | 8,6 | 2 |
| 3 | 45,3 | 45,0 | 44,7 | 32,1 | 31,8 | 13,2 | 12,9 | 3 |
| 4 | 60,4 | 60,0 | 59,6 | 42,8 | 42,4 | 17,6 | 17,2 | 4 |
| 5 | 75,5 | 75,0 | 74,5 | 53,5 | 53,0 | 22,0 | 21,5 | 5 |
| 6 | 90,6 | 90,0 | 89,4 | 64,2 | 63,6 | 26,4 | 25,8 | 6 |
| 7 | 105,7 | 105,0 | 104,3 | 74,9 | 74,2 | 30,8 | 30,1 | 7 |
| 8 | 120,8 | 120,0 | 119,2 | 85,6 | 84,8 | 35,2 | 34,4 | 8 |
| 9 | 135,9 | 135,0 | 134,1 | 96,3 | 95,4 | 39,6 | 38,7 | 9 |

| 36g | 106 | 150 | 150 | 43 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.80** | **0.19** | **9.92** | |
| **40 oo** | 32946 | 85272 | 14728 | 47674 | **60 oo** |
| 10 | 33052 | 85422 | 14578 | 47630 | 90 |
| 20 | 33158 | 85572 | 14428 | 47586 | 80 |
| 30 | 33264 | 85722 | 14278 | 47542 | 70 |
| 40 | 33370 | 85872 | 14128 | 47498 | 60 |
| 50 | 33476 | 86022 | 13978 | 47454 | 50 |
| 60 | 33582 | 86172 | 13828 | 47410 | 40 |
| 70 | 33688 | 86321 | 13679 | 47366 | 30 |
| 80 | 33794 | 86471 | 13529 | 47323 | 20 |
| 90 | 33900 | 86621 | 13379 | 47279 | 10 |
| **41 oo** | 34006 | 86771 | 13229 | 47235 | **59 oo** |
| 10 | 34112 | 86921 | 13079 | 47191 | 90 |
| 20 | 34218 | 87071 | 12929 | 47147 | 80 |
| 30 | 34324 | 87221 | 12779 | 47103 | 70 |
| 40 | 34430 | 87371 | 12629 | 47059 | 60 |
| 50 | 34536 | 87521 | 12479 | 47015 | 50 |
| 60 | 34642 | 87670 | 12330 | 46971 | 40 |
| 70 | 34748 | 87820 | 12180 | 46927 | 30 |
| 80 | 34854 | 87970 | 12030 | 46883 | 20 |
| 90 | 34960 | 88120 | 11880 | 46839 | 10 |
| **42 oo** | 35066 | 88270 | 11730 | 46796 | **58 oo** |
| 10 | 35171 | 88420 | 11580 | 46752 | 90 |
| 20 | 35277 | 88570 | 11430 | 46708 | 80 |
| 30 | 35383 | 88720 | 11280 | 46664 | 70 |
| 40 | 35489 | 88869 | 11131 | 46620 | 60 |
| 50 | 35595 | 89019 | 10981 | 46576 | 50 |
| 60 | 35701 | 89169 | 10831 | 46532 | 40 |
| 70 | 35807 | 89319 | 10681 | 46488 | 30 |
| 80 | 35913 | 89469 | 10531 | 46444 | 20 |
| 90 | 36019 | 89619 | 10381 | 46400 | 10 |
| **43 oo** | 36125 | 89769 | 10231 | 46356 | **57 oo** |
| 10 | 36231 | 89918 | 10082 | 46312 | 90 |
| 20 | 36337 | 90068 | 09932 | 46268 | 80 |
| 30 | 36442 | 90218 | 09782 | 46224 | 70 |
| 40 | 36548 | 90368 | 09632 | 46180 | 60 |
| 50 | 36654 | 90518 | 09482 | 46136 | 50 |
| 60 | 36760 | 90668 | 09332 | 46093 | 40 |
| 70 | 36866 | 90817 | 09183 | 46049 | 30 |
| 80 | 36972 | 90967 | 09033 | 46005 | 20 |
| 90 | 37078 | 91117 | 08883 | 45961 | 10 |
| **44 oo** | 37184 | 91267 | 08733 | 45917 | **56 oo** |
| 10 | 37290 | 91417 | 08583 | 45873 | 90 |
| 20 | 37395 | 91567 | 08433 | 45829 | 80 |
| 30 | 37501 | 91716 | 08284 | 45785 | 70 |
| 40 | 37607 | 91866 | 08134 | 45741 | 60 |
| 50 | 37713 | 92016 | 07984 | 45697 | 50 |
| 60 | 37819 | 92166 | 07834 | 45653 | 40 |
| 70 | 37925 | 92316 | 07684 | 45609 | 30 |
| 80 | 38031 | 92466 | 07534 | 45565 | 20 |
| 90 | 38136 | 92615 | 07385 | 45521 | 10 |
| **45 oo** | 38242 | 92765 | 07235 | 45477 | **55 oo** |
| | **9.73** | **9.80** | **0.19** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **63g** |
| | 105 | 149 | 149 | 44 | |

| 36g | 106 | 150 | 150 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.80** | **0.19** | **9.92** | |
| **45 oo** | 38242 | 92765 | 07235 | 45477 | **55 oo** |
| 10 | 38348 | 92915 | 07085 | 45433 | 90 |
| 20 | 38454 | 93065 | 06935 | 45389 | 80 |
| 30 | 38560 | 93215 | 06785 | 45345 | 70 |
| 40 | 38666 | 93364 | 06636 | 45301 | 60 |
| 50 | 38771 | 93514 | 06486 | 45257 | 50 |
| 60 | 38877 | 93664 | 06336 | 45213 | 40 |
| 70 | 38983 | 93814 | 06186 | 45169 | 30 |
| 80 | 39089 | 93964 | 06036 | 45125 | 20 |
| 90 | 39195 | 94113 | 05887 | 45081 | 10 |
| **46 oo** | 39300 | 94263 | 05737 | 45037 | **54 oo** |
| 10 | 39406 | 94413 | 05587 | 44993 | 90 |
| 20 | 39512 | 94563 | 05437 | 44949 | 80 |
| 30 | 39618 | 94712 | 05288 | 44905 | 70 |
| 40 | 39724 | 94862 | 05138 | 44861 | 60 |
| 50 | 39829 | 95012 | 04988 | 44817 | 50 |
| 60 | 39935 | 95162 | 04838 | 44773 | 40 |
| 70 | 40041 | 95312 | 04688 | 44729 | 30 |
| 80 | 40147 | 95461 | 04539 | 44685 | 20 |
| 90 | 40252 | 95611 | 04389 | 44641 | 10 |
| **47 oo** | 40358 | 95761 | 04239 | 44597 | **53 oo** |
| 10 | 40464 | 95911 | 04089 | 44553 | 90 |
| 20 | 40570 | 96060 | 03940 | 44509 | 80 |
| 30 | 40675 | 96210 | 03790 | 44465 | 70 |
| 40 | 40781 | 96360 | 03640 | 44421 | 60 |
| 50 | 40887 | 96510 | 03490 | 44377 | 50 |
| 60 | 40993 | 96659 | 03341 | 44333 | 40 |
| 70 | 41098 | 96809 | 03191 | 44289 | 30 |
| 80 | 41204 | 96959 | 03041 | 44245 | 20 |
| 90 | 41310 | 97109 | 02891 | 44201 | 10 |
| **48 oo** | 41416 | 97258 | 02742 | 44157 | **52 oo** |
| 10 | 41521 | 97408 | 02592 | 44113 | 90 |
| 20 | 41627 | 97558 | 02442 | 44069 | 80 |
| 30 | 41733 | 97708 | 02292 | 44025 | 70 |
| 40 | 41838 | 97857 | 02143 | 43981 | 60 |
| 50 | 41944 | 98007 | 01993 | 43937 | 50 |
| 60 | 42050 | 98157 | 01843 | 43893 | 40 |
| 70 | 42156 | 98307 | 01693 | 43849 | 30 |
| 80 | 42261 | 98456 | 01544 | 43805 | 20 |
| 90 | 42367 | 98606 | 01394 | 43761 | 10 |
| **49 oo** | 42473 | 98756 | 01244 | 43717 | **51 oo** |
| 10 | 42578 | 98905 | 01095 | 43673 | 90 |
| 20 | 42684 | 99055 | 00945 | 43629 | 80 |
| 30 | 42790 | 99205 | 00795 | 43585 | 70 |
| 40 | 42895 | 99355 | 00645 | 43541 | 60 |
| 50 | 43001 | 99504 | 00496 | 43497 | 50 |
| 60 | 43107 | 99654 | 00346 | 43453 | 40 |
| 70 | 43212 | 99804 | 00196 | 43409 | 30 |
| 80 | 43318 | 99953 | 00047 | 43365 | 20 |
| 90 | 43424 | *00103 | *99897 | 43321 | 10 |
| **50 oo** | 43529 | *00253 | *99747 | 43277 | **50 oo** |
| | **9.73** | ***9.81** | ***0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **63g** |
| | 105 | 149 | 149 | 44 | |

| | 150 | 149 | 106 | 105 | 44 | 43 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,0 | 14,9 | 10,6 | 10,5 | 4,4 | 4,3 | 1 |
| 2 | 30,0 | 29,8 | 21,2 | 21,0 | 8,8 | 8,6 | 2 |
| 3 | 45,0 | 44,7 | 31,8 | 31,5 | 13,2 | 12,9 | 3 |
| 4 | 60,0 | 59,6 | 42,4 | 42,0 | 17,6 | 17,2 | 4 |
| 5 | 75,0 | 74,5 | 53,0 | 52,5 | 22,0 | 21,5 | 5 |
| 6 | 90,0 | 89,4 | 63,6 | 63,0 | 26,4 | 25,8 | 6 |
| 7 | 105,0 | 104,3 | 74,2 | 73,5 | 30,8 | 30,1 | 7 |
| 8 | 120,0 | 119,2 | 84,8 | 84,0 | 35,2 | 34,4 | 8 |
| 9 | 135,0 | 134,1 | 95,4 | 94,5 | 39,6 | 38,7 | 9 |

| $36^g$ | 106 | 150 | 150 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.81** | **0.18** | **9.92** | |
| **50 00** | 43529 | 00253 | 99747 | 43277 | **50 00** |
| 10 | 43635 | 00403 | 99597 | 43232 | 90 |
| 20 | 43741 | 00552 | 99448 | 43188 | 80 |
| 30 | 43846 | 00702 | 99298 | 43144 | 70 |
| 40 | 43952 | 00852 | 99148 | 43100 | 60 |
| 50 | 44058 | 01001 | 98999 | 43056 | 50 |
| 60 | 44163 | 01151 | 98849 | 43012 | 40 |
| 70 | 44269 | 01301 | 98699 | 42968 | 30 |
| 80 | 44374 | 01450 | 98550 | 42924 | 20 |
| 90 | 44480 | 01600 | 98400 | 42880 | 10 |
| **51 00** | 44586 | 01750 | 98250 | 42836 | **49 00** |
| 10 | 44691 | 01899 | 98101 | 42792 | 90 |
| 20 | 44797 | 02049 | 97951 | 42748 | 80 |
| 30 | 44903 | 02199 | 97801 | 42704 | 70 |
| 40 | 45008 | 02348 | 97652 | 42660 | 60 |
| 50 | 45114 | 02498 | 97502 | 42616 | 50 |
| 60 | 45219 | 02648 | 97352 | 42572 | 40 |
| 70 | 45325 | 02797 | 97203 | 42527 | 30 |
| 80 | 45431 | 02947 | 97053 | 42483 | 20 |
| 90 | 45536 | 03097 | 96903 | 42439 | 10 |
| **52 00** | 45642 | 03246 | 96754 | 42395 | **48 00** |
| 10 | 45747 | 03396 | 96604 | 42351 | 90 |
| 20 | 45853 | 03546 | 96454 | 42307 | 80 |
| 30 | 45958 | 03695 | 96305 | 42263 | 70 |
| 40 | 46064 | 03845 | 96155 | 42219 | 60 |
| 50 | 46170 | 03995 | 96005 | 42175 | 50 |
| 60 | 46275 | 04144 | 95856 | 42131 | 40 |
| 70 | 46381 | 04294 | 95706 | 42087 | 30 |
| 80 | 46486 | 04444 | 95556 | 42043 | 20 |
| 90 | 46592 | 04593 | 95407 | 41998 | 10 |
| **53 00** | 46697 | 04743 | 95257 | 41954 | **47 00** |
| 10 | 46803 | 04893 | 95107 | 41910 | 90 |
| 20 | 46908 | 05042 | 94958 | 41866 | 80 |
| 30 | 47014 | 05192 | 94808 | 41822 | 70 |
| 40 | 47119 | 05341 | 94659 | 41778 | 60 |
| 50 | 47225 | 05491 | 94509 | 41734 | 50 |
| 60 | 47330 | 05641 | 94359 | 41690 | 40 |
| 70 | 47436 | 05790 | 94210 | 41646 | 30 |
| 80 | 47542 | 05940 | 94060 | 41602 | 20 |
| 90 | 47647 | 06090 | 93910 | 41557 | 10 |
| **54 00** | 47753 | 06239 | 93761 | 41513 | **46 00** |
| 10 | 47858 | 06389 | 93611 | 41469 | 90 |
| 20 | 47964 | 06538 | 93462 | 41425 | 80 |
| 30 | 48069 | 06688 | 93312 | 41381 | 70 |
| 40 | 48175 | 06838 | 93162 | 41337 | 60 |
| 50 | 48280 | 06987 | 93013 | 41293 | 50 |
| 60 | 48386 | 07137 | 92863 | 41249 | 40 |
| 70 | 48491 | 07286 | 92714 | 41205 | 30 |
| 80 | 48596 | 07436 | 92564 | 41160 | 20 |
| 90 | 48702 | 07586 | 92414 | 41116 | 10 |
| **55 00** | 48807 | 07735 | 92265 | 41072 | **45 00** |
| | **9.73** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | $63^g$ |
| | 105 | 149 | 149 | 45 | |

| $36^g$ | 106 | 150 | 150 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.81** | **0.18** | **9.92** | |
| **55 00** | 48807 | 07735 | 92265 | 41072 | **45 00** |
| 10 | 48913 | 07885 | 92115 | 41028 | 90 |
| 20 | 49018 | 08034 | 91966 | 40984 | 80 |
| 30 | 49124 | 08184 | 91816 | 40940 | 70 |
| 40 | 49229 | 08334 | 91666 | 40896 | 60 |
| 50 | 49335 | 08483 | 91517 | 40852 | 50 |
| 60 | 49440 | 08633 | 91367 | 40807 | 40 |
| 70 | 49546 | 08782 | 91218 | 40763 | 30 |
| 80 | 49651 | 08932 | 91068 | 40719 | 20 |
| 90 | 49757 | 09082 | 90918 | 40675 | 10 |
| **56 00** | 49862 | 09231 | 90769 | 40631 | **44 00** |
| 10 | 49967 | 09381 | 90619 | 40587 | 90 |
| 20 | 50073 | 09530 | 90470 | 40543 | 80 |
| 30 | 50178 | 09680 | 90320 | 40498 | 70 |
| 40 | 50284 | 09829 | 90171 | 40454 | 60 |
| 50 | 50389 | 09979 | 90021 | 40410 | 50 |
| 60 | 50495 | 10128 | 89872 | 40366 | 40 |
| 70 | 50600 | 10278 | 89722 | 40322 | 30 |
| 80 | 50705 | 10428 | 89572 | 40278 | 20 |
| 90 | 50811 | 10577 | 89423 | 40234 | 10 |
| **57 00** | 50916 | 10727 | 89273 | 40189 | **43 00** |
| 10 | 51022 | 10876 | 89124 | 40145 | 90 |
| 20 | 51127 | 11026 | 88974 | 40101 | 80 |
| 30 | 51232 | 11175 | 88825 | 40057 | 70 |
| 40 | 51338 | 11325 | 88675 | 40013 | 60 |
| 50 | 51443 | 11474 | 88526 | 39969 | 50 |
| 60 | 51548 | 11624 | 88376 | 39924 | 40 |
| 70 | 51654 | 11774 | 88226 | 39880 | 30 |
| 80 | 51759 | 11923 | 88077 | 39836 | 20 |
| 90 | 51865 | 12073 | 87927 | 39792 | 10 |
| **58 00** | 51970 | 12222 | 87778 | 39748 | **42 00** |
| 10 | 52075 | 12372 | 87628 | 39704 | 90 |
| 20 | 52181 | 12521 | 87479 | 39659 | 80 |
| 30 | 52286 | 12671 | 87329 | 39615 | 70 |
| 40 | 52391 | 12820 | 87180 | 39571 | 60 |
| 50 | 52497 | 12970 | 87030 | 39527 | 50 |
| 60 | 52602 | 13119 | 86881 | 39483 | 40 |
| 70 | 52707 | 13269 | 86731 | 39439 | 30 |
| 80 | 52813 | 13418 | 86582 | 39394 | 20 |
| 90 | 52918 | 13568 | 86432 | 39350 | 10 |
| **59 00** | 53023 | 13717 | 86283 | 39306 | **41 00** |
| 10 | 53129 | 13867 | 86133 | 39262 | 90 |
| 20 | 53234 | 14016 | 85984 | 39218 | 80 |
| 30 | 53339 | 14166 | 85834 | 39173 | 70 |
| 40 | 53445 | 14315 | 85685 | 39129 | 60 |
| 50 | 53550 | 14465 | 85535 | 39085 | 50 |
| 60 | 53655 | 14614 | 85386 | 39041 | 40 |
| 70 | 53761 | 14764 | 85236 | 38997 | 30 |
| 80 | 53866 | 14913 | 85087 | 38952 | 20 |
| 90 | 53971 | 15063 | 84937 | 38908 | 10 |
| **60 00** | 54076 | 15212 | 84788 | 38864 | **40 00** |
| | **9.73** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | $63^g$ |
| | 105 | 149 | 149 | 45 | |

| | 150 | 149 | 106 | 105 | 45 | 44 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,0 | 14,9 | 10,6 | 10,5 | 4,5 | 4,4 | 1 |
| 2 | 30,0 | 29,8 | 21,2 | 21,0 | 9,0 | 8,8 | 2 |
| 3 | 45,0 | 44,7 | 31,8 | 31,5 | 13,5 | 13,2 | 3 |
| 4 | 60,0 | 59,6 | 42,4 | 42,0 | 18,0 | 17,6 | 4 |
| 5 | 75,0 | 74,5 | 53,0 | 52,5 | 22,5 | 22,0 | 5 |
| 6 | 90,0 | 89,4 | 63,6 | 63,0 | 27,0 | 26,4 | 6 |
| 7 | 105,0 | 104,3 | 74,2 | 73,5 | 31,5 | 30,8 | 7 |
| 8 | 120,0 | 119,2 | 84,8 | 84,0 | 36,0 | 35,2 | 8 |
| 9 | 135,0 | 134,1 | 95,4 | 94,5 | 40,5 | 39,6 | 9 |

| 36g | 106 | 150 | 150 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.81** | **0.18** | **9.92** | |
| **60 oo** | 54076 | 15212 | 84788 | 38864 | **40 oo** |
| 10 | 54182 | 15362 | 84638 | 38820 | 90 |
| 20 | 54287 | 15511 | 84489 | 38776 | 80 |
| 30 | 54392 | 15661 | 84339 | 38731 | 70 |
| 40 | 54498 | 15810 | 84190 | 38687 | 60 |
| 50 | 54603 | 15960 | 84040 | 38643 | 50 |
| 60 | 54708 | 16109 | 83891 | 38599 | 40 |
| 70 | 54813 | 16259 | 83741 | 38555 | 30 |
| 80 | 54919 | 16408 | 83592 | 38510 | 20 |
| 90 | 55024 | 16558 | 83442 | 38466 | 10 |
| **61 oo** | 55129 | 16707 | 83293 | 38422 | **39 oo** |
| 10 | 55234 | 16857 | 83143 | 38378 | 90 |
| 20 | 55340 | 17006 | 82994 | 38334 | 80 |
| 30 | 55445 | 17156 | 82844 | 38289 | 70 |
| 40 | 55550 | 17305 | 82695 | 38245 | 60 |
| 50 | 55655 | 17454 | 82546 | 38201 | 50 |
| 60 | 55761 | 17604 | 82396 | 38157 | 40 |
| 70 | 55866 | 17753 | 82247 | 38112 | 30 |
| 80 | 55971 | 17903 | 82097 | 38068 | 20 |
| 90 | 56076 | 18052 | 81948 | 38024 | 10 |
| **62 oo** | 56181 | 18202 | 81798 | 37980 | **38 oo** |
| 10 | 56287 | 18351 | 81649 | 37936 | 90 |
| 20 | 56392 | 18501 | 81499 | 37891 | 80 |
| 30 | 56497 | 18650 | 81350 | 37847 | 70 |
| 40 | 56602 | 18799 | 81201 | 37803 | 60 |
| 50 | 56708 | 18949 | 81051 | 37759 | 50 |
| 60 | 56813 | 19098 | 80902 | 37714 | 40 |
| 70 | 56918 | 19248 | 80752 | 37670 | 30 |
| 80 | 57023 | 19397 | 80603 | 37626 | 20 |
| 90 | 57128 | 19547 | 80453 | 37582 | 10 |
| **63 oo** | 57233 | 19696 | 80304 | 37537 | **37 oo** |
| 10 | 57339 | 19845 | 80155 | 37493 | 90 |
| 20 | 57444 | 19995 | 80005 | 37449 | 80 |
| 30 | 57549 | 20144 | 79856 | 37405 | 70 |
| 40 | 57654 | 20294 | 79706 | 37360 | 60 |
| 50 | 57759 | 20443 | 79557 | 37316 | 50 |
| 60 | 57864 | 20593 | 79407 | 37272 | 40 |
| 70 | 57970 | 20742 | 79258 | 37228 | 30 |
| 80 | 58075 | 20891 | 79109 | 37183 | 20 |
| 90 | 58180 | 21041 | 78959 | 37139 | 10 |
| **64 oo** | 58285 | 21190 | 78810 | 37095 | **36 oo** |
| 10 | 58390 | 21340 | 78660 | 37051 | 90 |
| 20 | 58495 | 21489 | 78511 | 37006 | 80 |
| 30 | 58601 | 21638 | 78362 | 36962 | 70 |
| 40 | 58706 | 21788 | 78212 | 36918 | 60 |
| 50 | 58811 | 21937 | 78063 | 36874 | 50 |
| 60 | 58916 | 22087 | 77913 | 36829 | 40 |
| 70 | 59021 | 22236 | 77764 | 36785 | 30 |
| 80 | 59126 | 22385 | 77615 | 36741 | 20 |
| 90 | 59231 | 22535 | 77465 | 36696 | 10 |
| **65 oo** | 59336 | 22684 | 77316 | 36652 | **35 oo** |
| | **9.73** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | 63g |
| | 105 | 149 | 149 | 45 | |

| 36g | 106 | 150 | 150 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.81** | **0.18** | **9.92** | |
| **65 oo** | 59336 | 22684 | 77316 | 36652 | **35 oo** |
| 10 | 59441 | 22834 | 77166 | 36608 | 90 |
| 20 | 59547 | 22983 | 77017 | 36564 | 80 |
| 30 | 59652 | 23132 | 76868 | 36519 | 70 |
| 40 | 59757 | 23282 | 76718 | 36475 | 60 |
| 50 | 59862 | 23431 | 76569 | 36431 | 50 |
| 60 | 59967 | 23580 | 76420 | 36386 | 40 |
| 70 | 60072 | 23730 | 76270 | 36342 | 30 |
| 80 | 60177 | 23879 | 76121 | 36298 | 20 |
| 90 | 60282 | 24029 | 75971 | 36254 | 10 |
| **66 oo** | 60387 | 24178 | 75822 | 36209 | **34 oo** |
| 10 | 60492 | 24327 | 75673 | 36165 | 90 |
| 20 | 60597 | 24477 | 75523 | 36121 | 80 |
| 30 | 60702 | 24626 | 75374 | 36076 | 70 |
| 40 | 60808 | 24775 | 75225 | 36032 | 60 |
| 50 | 60913 | 24925 | 75075 | 35988 | 50 |
| 60 | 61018 | 25074 | 74926 | 35944 | 40 |
| 70 | 61123 | 25223 | 74777 | 35899 | 30 |
| 80 | 61228 | 25373 | 74627 | 35855 | 20 |
| 90 | 61333 | 25522 | 74478 | 35811 | 10 |
| **67 oo** | 61438 | 25671 | 74329 | 35766 | **33 oo** |
| 10 | 61543 | 25821 | 74179 | 35722 | 90 |
| 20 | 61648 | 25970 | 74030 | 35678 | 80 |
| 30 | 61753 | 26119 | 73881 | 35633 | 70 |
| 40 | 61858 | 26269 | 73731 | 35589 | 60 |
| 50 | 61963 | 26418 | 73582 | 35545 | 50 |
| 60 | 62068 | 26567 | 73433 | 35500 | 40 |
| 70 | 62173 | 26717 | 73283 | 35456 | 30 |
| 80 | 62278 | 26866 | 73134 | 35412 | 20 |
| 90 | 62383 | 27015 | 72985 | 35368 | 10 |
| **68 oo** | 62488 | 27165 | 72835 | 35323 | **32 oo** |
| 10 | 62593 | 27314 | 72686 | 35279 | 90 |
| 20 | 62698 | 27463 | 72537 | 35235 | 80 |
| 30 | 62803 | 27613 | 72387 | 35190 | 70 |
| 40 | 62908 | 27762 | 72238 | 35146 | 60 |
| 50 | 63013 | 27911 | 72089 | 35102 | 50 |
| 60 | 63118 | 28061 | 71939 | 35057 | 40 |
| 70 | 63223 | 28210 | 71790 | 35013 | 30 |
| 80 | 63328 | 28359 | 71641 | 34969 | 20 |
| 90 | 63433 | 28509 | 71491 | 34924 | 10 |
| **69 oo** | 63538 | 28658 | 71342 | 34880 | **31 oo** |
| 10 | 63643 | 28807 | 71193 | 34836 | 90 |
| 20 | 63748 | 28956 | 71044 | 34791 | 80 |
| 30 | 63853 | 29106 | 70894 | 34747 | 70 |
| 40 | 63958 | 29255 | 70745 | 34703 | 60 |
| 50 | 64063 | 29404 | 70596 | 34658 | 50 |
| 60 | 64167 | 29554 | 70446 | 34614 | 40 |
| 70 | 64272 | 29703 | 70297 | 34569 | 30 |
| 80 | 64377 | 29852 | 70148 | 34525 | 20 |
| 90 | 64482 | 30002 | 69998 | 34481 | 10 |
| **70 oo** | 64587 | 30151 | 69849 | 34436 | **30 oo** |
| | **9.73** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | 63g |
| | 104 | 149 | 149 | 45 | |

| | 150 | 149 | 106 | 105 | 104 | 45 | 44 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,0 | 14,9 | 10,6 | 10,5 | 10,4 | 4,5 | 4,4 | 1 |
| 2 | 30,0 | 29,8 | 21,2 | 21,0 | 20,8 | 9,0 | 8,8 | 2 |
| 3 | 45,0 | 44,7 | 31,8 | 31,5 | 31,2 | 13,5 | 13,2 | 3 |
| 4 | 60,0 | 59,6 | 42,4 | 42,0 | 41,6 | 18,0 | 17,6 | 4 |
| 5 | 75,0 | 74,5 | 53,0 | 52,5 | 52,0 | 22,5 | 22,0 | 5 |
| 6 | 90,0 | 89,4 | 63,6 | 63,0 | 62,4 | 27,0 | 26,4 | 6 |
| 7 | 105,0 | 104,3 | 74,2 | 73,5 | 72,8 | 31,5 | 30,8 | 7 |
| 8 | 120,0 | 119,2 | 84,8 | 84,0 | 83,2 | 36,0 | 35,2 | 8 |
| 9 | 135,0 | 134,1 | 95,4 | 94,5 | 93,6 | 40,5 | 39,6 | 9 |

| 36g | 105 | 150 | 150 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.81** | **0.18** | **9.92** | |
| **70 oo** | 64587 | 30151 | 69849 | 34436 | **30 oo** |
| 10 | 64692 | 30300 | 69700 | 34392 | 90 |
| 20 | 64797 | 30449 | 69551 | 34348 | 80 |
| 30 | 64902 | 30599 | 69401 | 34303 | 70 |
| 40 | 65007 | 30748 | 69252 | 34259 | 60 |
| 50 | 65112 | 30897 | 69103 | 34215 | 50 |
| 60 | 65217 | 31046 | 68954 | 34170 | 40 |
| 70 | 65322 | 31196 | 68804 | 34126 | 30 |
| 80 | 65427 | 31345 | 68655 | 34082 | 20 |
| 90 | 65531 | 31494 | 68506 | 34037 | 10 |
| **71 oo** | 65636 | 31643 | 68357 | 33993 | **29 oo** |
| 10 | 65741 | 31793 | 68207 | 33948 | 90 |
| 20 | 65846 | 31942 | 68058 | 33904 | 80 |
| 30 | 65951 | 32091 | 67909 | 33860 | 70 |
| 40 | 66056 | 32241 | 67759 | 33815 | 60 |
| 50 | 66161 | 32390 | 67610 | 33771 | 50 |
| 60 | 66266 | 32539 | 67461 | 33727 | 40 |
| 70 | 66370 | 32688 | 67312 | 33682 | 30 |
| 80 | 66475 | 32837 | 67163 | 33638 | 20 |
| 90 | 66580 | 32987 | 67013 | 33593 | 10 |
| **72 oo** | 66685 | 33136 | 66864 | 33549 | **28 oo** |
| 10 | 66790 | 33285 | 66715 | 33505 | 90 |
| 20 | 66895 | 33434 | 66566 | 33460 | 80 |
| 30 | 67000 | 33584 | 66416 | 33416 | 70 |
| 40 | 67104 | 33733 | 66267 | 33372 | 60 |
| 50 | 67209 | 33882 | 66118 | 33327 | 50 |
| 60 | 67314 | 34031 | 65969 | 33283 | 40 |
| 70 | 67419 | 34181 | 65819 | 33238 | 30 |
| 80 | 67524 | 34330 | 65670 | 33194 | 20 |
| 90 | 67629 | 34479 | 65521 | 33150 | 10 |
| **73 oo** | 67733 | 34628 | 65372 | 33105 | **27 oo** |
| 10 | 67838 | 34777 | 65223 | 33061 | 90 |
| 20 | 67943 | 34927 | 65073 | 33016 | 80 |
| 30 | 68048 | 35076 | 64924 | 32972 | 70 |
| 40 | 68153 | 35225 | 64775 | 32928 | 60 |
| 50 | 68257 | 35374 | 64626 | 32883 | 50 |
| 60 | 68362 | 35524 | 64476 | 32839 | 40 |
| 70 | 68467 | 35673 | 64327 | 32794 | 30 |
| 80 | 68572 | 35822 | 64178 | 32750 | 20 |
| 90 | 68677 | 35971 | 64029 | 32706 | 10 |
| **74 oo** | 68781 | 36120 | 63880 | 32661 | **26 oo** |
| 10 | 68886 | 36270 | 63730 | 32617 | 90 |
| 20 | 68991 | 36419 | 63581 | 32572 | 80 |
| 30 | 69096 | 36568 | 63432 | 32528 | 70 |
| 40 | 69201 | 36717 | 63283 | 32483 | 60 |
| 50 | 69305 | 36866 | 63134 | 32439 | 50 |
| 60 | 69410 | 37015 | 62985 | 32395 | 40 |
| 70 | 69515 | 37165 | 62835 | 32350 | 30 |
| 80 | 69620 | 37314 | 62686 | 32306 | 20 |
| 90 | 69724 | 37463 | 62537 | 32261 | 10 |
| **75 oo** | 69829 | 37612 | 62388 | 32217 | **25 oo** |
| | **9.73** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **63g** |
| | 104 | 149 | 149 | 45 | |

| 36g | 105 | 150 | 150 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.81** | **0.18** | **9.92** | |
| **75 oo** | 69829 | 37612 | 62388 | 32217 | **25 oo** |
| 10 | 69934 | 37761 | 62239 | 32172 | 90 |
| 20 | 70039 | 37911 | 62089 | 32128 | 80 |
| 30 | 70143 | 38060 | 61940 | 32084 | 70 |
| 40 | 70248 | 38209 | 61791 | 32039 | 60 |
| 50 | 70353 | 38358 | 61642 | 31995 | 50 |
| 60 | 70458 | 38507 | 61493 | 31950 | 40 |
| 70 | 70562 | 38656 | 61344 | 31906 | 30 |
| 80 | 70667 | 38806 | 61194 | 31861 | 20 |
| 90 | 70772 | 38955 | 61045 | 31817 | 10 |
| **76 oo** | 70876 | 39104 | 60896 | 31773 | **24 oo** |
| 10 | 70981 | 39253 | 60747 | 31728 | 90 |
| 20 | 71086 | 39402 | 60598 | 31684 | 80 |
| 30 | 71191 | 39551 | 60449 | 31639 | 70 |
| 40 | 71295 | 39700 | 60300 | 31595 | 60 |
| 50 | 71400 | 39850 | 60150 | 31550 | 50 |
| 60 | 71505 | 39999 | 60001 | 31506 | 40 |
| 70 | 71609 | 40148 | 59852 | 31461 | 30 |
| 80 | 71714 | 40297 | 59703 | 31417 | 20 |
| 90 | 71819 | 40446 | 59554 | 31372 | 10 |
| **77 oo** | 71923 | 40595 | 59405 | 31328 | **23 oo** |
| 10 | 72028 | 40744 | 59256 | 31284 | 90 |
| 20 | 72133 | 40894 | 59106 | 31239 | 80 |
| 30 | 72237 | 41043 | 58957 | 31195 | 70 |
| 40 | 72342 | 41192 | 58808 | 31150 | 60 |
| 50 | 72447 | 41341 | 58659 | 31106 | 50 |
| 60 | 72551 | 41490 | 58510 | 31061 | 40 |
| 70 | 72656 | 41639 | 58361 | 31017 | 30 |
| 80 | 72761 | 41788 | 58212 | 30972 | 20 |
| 90 | 72865 | 41937 | 58063 | 30928 | 10 |
| **78 oo** | 72970 | 42087 | 57913 | 30883 | **22 oo** |
| 10 | 73075 | 42236 | 57764 | 30839 | 90 |
| 20 | 73179 | 42385 | 57615 | 30794 | 80 |
| 30 | 73284 | 42534 | 57466 | 30750 | 70 |
| 40 | 73388 | 42683 | 57317 | 30705 | 60 |
| 50 | 73493 | 42832 | 57168 | 30661 | 50 |
| 60 | 73598 | 42981 | 57019 | 30616 | 40 |
| 70 | 73702 | 43130 | 56870 | 30572 | 30 |
| 80 | 73807 | 43279 | 56721 | 30528 | 20 |
| 90 | 73912 | 43428 | 56572 | 30483 | 10 |
| **79 oo** | 74016 | 43578 | 56422 | 30439 | **21 oo** |
| 10 | 74121 | 43727 | 56273 | 30394 | 90 |
| 20 | 74225 | 43876 | 56124 | 30350 | 80 |
| 30 | 74330 | 44025 | 55975 | 30305 | 70 |
| 40 | 74435 | 44174 | 55826 | 30261 | 60 |
| 50 | 74539 | 44323 | 55677 | 30216 | 50 |
| 60 | 74644 | 44472 | 55528 | 30172 | 40 |
| 70 | 74748 | 44621 | 55379 | 30127 | 30 |
| 80 | 74853 | 44770 | 55230 | 30083 | 20 |
| 90 | 74957 | 44919 | 55081 | 30038 | 10 |
| **80 oo** | 75062 | 45068 | 54932 | 29994 | **20 oo** |
| | **9.73** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **63g** |
| | 104 | 149 | 149 | 45 | |

| | 150 | 149 | 105 | 104 | 45 | 44 | |
|---|---|---|---|---|---|---|---|
| 1 | 15,0 | 14,9 | 10,5 | 10,4 | 4,5 | 4,4 | 1 |
| 2 | 30,0 | 29,8 | 21,0 | 20,8 | 9,0 | 8,8 | 2 |
| 3 | 45,0 | 44,7 | 31,5 | 31,2 | 13,5 | 13,2 | 3 |
| 4 | 60,0 | 59,6 | 42,0 | 41,6 | 18,0 | 17,6 | 4 |
| 5 | 75,0 | 74,5 | 52,5 | 52,0 | 22,5 | 22,0 | 5 |
| 6 | 90,0 | 89,4 | 63,0 | 62,4 | 27,0 | 26,4 | 6 |
| 7 | 105,0 | 104,3 | 73,5 | 72,8 | 31,5 | 30,8 | 7 |
| 8 | 120,0 | 119,2 | 84,0 | 83,2 | 36,0 | 35,2 | 8 |
| 9 | 135,0 | 134,1 | 94,5 | 93,6 | 40,5 | 39,6 | 9 |

| 36g | 105 | 150 | 150 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.81** | **0.18** | **9.92** | |
| **80 oo** | 75062 | 45068 | 54932 | 29994 | **20 oo** |
| 10 | 75167 | 45217 | 54783 | 29949 | 90 |
| 20 | 75271 | 45367 | 54633 | 29905 | 80 |
| 30 | 75376 | 45516 | 54484 | 29860 | 70 |
| 40 | 75480 | 45665 | 54335 | 29816 | 60 |
| 50 | 75585 | 45814 | 54186 | 29771 | 50 |
| 60 | 75689 | 45963 | 54037 | 29727 | 40 |
| 70 | 75794 | 46112 | 53888 | 29682 | 30 |
| 80 | 75898 | 46261 | 53739 | 29637 | 20 |
| 90 | 76003 | 46410 | 53590 | 29593 | 10 |
| **81 oo** | 76107 | 46559 | 53441 | 29548 | **19 oo** |
| 10 | 76212 | 46708 | 53292 | 29504 | 90 |
| 20 | 76317 | 46857 | 53143 | 29459 | 80 |
| 30 | 76421 | 47006 | 52994 | 29415 | 70 |
| 40 | 76526 | 47155 | 52845 | 29370 | 60 |
| 50 | 76630 | 47304 | 52696 | 29326 | 50 |
| 60 | 76735 | 47453 | 52547 | 29281 | 40 |
| 70 | 76839 | 47602 | 52398 | 29237 | 30 |
| 80 | 76944 | 47751 | 52249 | 29192 | 20 |
| 90 | 77048 | 47900 | 52100 | 29148 | 10 |
| **82 oo** | 77153 | 48049 | 51951 | 29103 | **18 oo** |
| 10 | 77257 | 48198 | 51802 | 29059 | 90 |
| 20 | 77362 | 48348 | 51652 | 29014 | 80 |
| 30 | 77466 | 48497 | 51503 | 28970 | 70 |
| 40 | 77571 | 48646 | 51354 | 28925 | 60 |
| 50 | 77675 | 48795 | 51205 | 28880 | 50 |
| 60 | 77780 | 48944 | 51056 | 28836 | 40 |
| 70 | 77884 | 49093 | 50907 | 28791 | 30 |
| 80 | 77988 | 49242 | 50758 | 28747 | 20 |
| 90 | 78093 | 49391 | 50609 | 28702 | 10 |
| **83 oo** | 78197 | 49540 | 50460 | 28658 | **17 oo** |
| 10 | 78302 | 49689 | 50311 | 28613 | 90 |
| 20 | 78406 | 49838 | 50162 | 28569 | 80 |
| 30 | 78511 | 49987 | 50013 | 28524 | 70 |
| 40 | 78615 | 50136 | 49864 | 28479 | 60 |
| 50 | 78720 | 50285 | 49715 | 28435 | 50 |
| 60 | 78824 | 50434 | 49566 | 28390 | 40 |
| 70 | 78929 | 50583 | 49417 | 28346 | 30 |
| 80 | 79033 | 50732 | 49268 | 28301 | 20 |
| 90 | 79137 | 50881 | 49119 | 28257 | 10 |
| **84 oo** | 79242 | 51030 | 48970 | 28212 | **16 oo** |
| 10 | 79346 | 51179 | 48821 | 28168 | 90 |
| 20 | 79451 | 51328 | 48672 | 28123 | 80 |
| 30 | 79555 | 51477 | 48523 | 28078 | 70 |
| 40 | 79659 | 51626 | 48374 | 28034 | 60 |
| 50 | 79764 | 51775 | 48225 | 27989 | 50 |
| 60 | 79868 | 51924 | 48076 | 27945 | 40 |
| 70 | 79973 | 52073 | 47927 | 27900 | 30 |
| 80 | 80077 | 52222 | 47778 | 27856 | 20 |
| 90 | 80181 | 52371 | 47629 | 27811 | 10 |
| **85 oo** | 80286 | 52519 | 47481 | 27766 | **15 oo** |
| | **9.73** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | 63g |
| | 104 | 148 | 148 | 45 | |

| 36g | 105 | 149 | 149 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.81** | **0.18** | **9.92** | |
| **85 oo** | 80286 | 52519 | 47481 | 27766 | **15 oo** |
| 10 | 80390 | 52668 | 47332 | 27722 | 90 |
| 20 | 80495 | 52817 | 47183 | 27677 | 80 |
| 30 | 80599 | 52966 | 47034 | 27633 | 70 |
| 40 | 80703 | 53115 | 46885 | 27588 | 60 |
| 50 | 80808 | 53264 | 46736 | 27543 | 50 |
| 60 | 80912 | 53413 | 46587 | 27499 | 40 |
| 70 | 81017 | 53562 | 46438 | 27454 | 30 |
| 80 | 81121 | 53711 | 46289 | 27410 | 20 |
| 90 | 81225 | 53860 | 46140 | 27365 | 10 |
| **86 oo** | 81330 | 54009 | 45991 | 27320 | **14 oo** |
| 10 | 81434 | 54158 | 45842 | 27276 | 90 |
| 20 | 81538 | 54307 | 45693 | 27231 | 80 |
| 30 | 81643 | 54456 | 45544 | 27187 | 70 |
| 40 | 81747 | 54605 | 45395 | 27142 | 60 |
| 50 | 81851 | 54754 | 45246 | 27097 | 50 |
| 60 | 81956 | 54903 | 45097 | 27053 | 40 |
| 70 | 82060 | 55052 | 44948 | 27008 | 30 |
| 80 | 82164 | 55201 | 44799 | 26964 | 20 |
| 90 | 82269 | 55350 | 44650 | 26919 | 10 |
| **87 oo** | 82373 | 55498 | 44502 | 26874 | **13 oo** |
| 10 | 82477 | 55647 | 44353 | 26830 | 90 |
| 20 | 82582 | 55796 | 44204 | 26785 | 80 |
| 30 | 82686 | 55945 | 44055 | 26741 | 70 |
| 40 | 82790 | 56094 | 43906 | 26696 | 60 |
| 50 | 82894 | 56243 | 43757 | 26651 | 50 |
| 60 | 82999 | 56392 | 43608 | 26607 | 40 |
| 70 | 83103 | 56541 | 43459 | 26562 | 30 |
| 80 | 83207 | 56690 | 43310 | 26518 | 20 |
| 90 | 83312 | 56839 | 43161 | 26473 | 10 |
| **88 oo** | 83416 | 56988 | 43012 | 26428 | **12 oo** |
| 10 | 83520 | 57137 | 42863 | 26384 | 90 |
| 20 | 83624 | 57285 | 42715 | 26339 | 80 |
| 30 | 83729 | 57434 | 42566 | 26294 | 70 |
| 40 | 83833 | 57583 | 42417 | 26250 | 60 |
| 50 | 83937 | 57732 | 42268 | 26205 | 50 |
| 60 | 84042 | 57881 | 42119 | 26160 | 40 |
| 70 | 84146 | 58030 | 41970 | 26116 | 30 |
| 80 | 84250 | 58179 | 41821 | 26071 | 20 |
| 90 | 84354 | 58328 | 41672 | 26027 | 10 |
| **89 oo** | 84459 | 58477 | 41523 | 25982 | **11 oo** |
| 10 | 84563 | 58626 | 41374 | 25937 | 90 |
| 20 | 84667 | 58774 | 41226 | 25893 | 80 |
| 30 | 84771 | 58923 | 41077 | 25848 | 70 |
| 40 | 84875 | 59072 | 40928 | 25803 | 60 |
| 50 | 84980 | 59221 | 40779 | 25759 | 50 |
| 60 | 85084 | 59370 | 40630 | 25714 | 40 |
| 70 | 85188 | 59519 | 40481 | 25669 | 30 |
| 80 | 85292 | 59668 | 40332 | 25625 | 20 |
| 90 | 85397 | 59817 | 40183 | 25580 | 10 |
| **90 oo** | 85501 | 59965 | 40035 | 25535 | **10 oo** |
| | **9.73** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | 63g |
| | 104 | 148 | 148 | 45 | |

| | 150 | 149 | 148 | 105 | 104 | 45 | 44 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 15,0 | 14,9 | 14,8 | 10,5 | 10,4 | 4,5 | 4,4 | 1 |
| 2 | 30,0 | 29,8 | 29,6 | 21,0 | 20,8 | 9,0 | 8,8 | 2 |
| 3 | 45,0 | 44,7 | 44,4 | 31,5 | 31,2 | 13,5 | 13,2 | 3 |
| 4 | 60,0 | 59,6 | 59,2 | 42,0 | 41,6 | 18,0 | 17,6 | 4 |
| 5 | 75,0 | 74,5 | 74,0 | 52,5 | 52,0 | 22,5 | 22,0 | 5 |
| 6 | 90,0 | 89,4 | 88,8 | 63,0 | 62,4 | 27,0 | 26,4 | 6 |
| 7 | 105,0 | 104,3 | 103,6 | 73,5 | 72,8 | 31,5 | 30,8 | 7 |
| 8 | 120,0 | 119,2 | 118,4 | 84,0 | 83,2 | 36,0 | 35,2 | 8 |
| 9 | 135,0 | 134,1 | 133,2 | 94,5 | 93,6 | 40,5 | 39,6 | 9 |

| 36g | 105 | 149 | 149 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.81** | **0.18** | **9.92** | |
| **90 oo** | 85501 | 59965 | 40035 | 25535 | **10 oo** |
| 10 | 85605 | 60114 | 39886 | 25491 | 90 |
| 20 | 85709 | 60263 | 39737 | 25446 | 80 |
| 30 | 85813 | 60412 | 39588 | 25401 | 70 |
| 40 | 85918 | 60561 | 39439 | 25357 | 60 |
| 50 | 86022 | 60710 | 39290 | 25312 | 50 |
| 60 | 86126 | 60859 | 39141 | 25267 | 40 |
| 70 | 86230 | 61007 | 38993 | 25223 | 30 |
| 80 | 86334 | 61156 | 38844 | 25178 | 20 |
| 90 | 86439 | 61305 | 38695 | 25133 | 10 |
| **91 oo** | 86543 | 61454 | 38546 | 25089 | **09 oo** |
| 10 | 86647 | 61603 | 38397 | 25044 | 90 |
| 20 | 86751 | 61752 | 38248 | 24999 | 80 |
| 30 | 86855 | 61901 | 38099 | 24955 | 70 |
| 40 | 86959 | 62049 | 37951 | 24910 | 60 |
| 50 | 87064 | 62198 | 37802 | 24865 | 50 |
| 60 | 87168 | 62347 | 37653 | 24821 | 40 |
| 70 | 87272 | 62496 | 37504 | 24776 | 30 |
| 80 | 87376 | 62645 | 37355 | 24731 | 20 |
| 90 | 87480 | 62794 | 37206 | 24687 | 10 |
| **92 oo** | 87584 | 62942 | 37058 | 24642 | **08 oo** |
| 10 | 87688 | 63091 | 36909 | 24597 | 90 |
| 20 | 87793 | 63240 | 36760 | 24553 | 80 |
| 30 | 87897 | 63389 | 36611 | 24508 | 70 |
| 40 | 88001 | 63538 | 36462 | 24463 | 60 |
| 50 | 88105 | 63686 | 36314 | 24418 | 50 |
| 60 | 88209 | 63835 | 36165 | 24374 | 40 |
| 70 | 88313 | 63984 | 36016 | 24329 | 30 |
| 80 | 88417 | 64133 | 35867 | 24284 | 20 |
| 90 | 88521 | 64282 | 35718 | 24240 | 10 |
| **93 oo** | 88626 | 64431 | 35569 | 24195 | **07 oo** |
| 10 | 88730 | 64579 | 35421 | 24150 | 90 |
| 20 | 88834 | 64728 | 35272 | 24106 | 80 |
| 30 | 88938 | 64877 | 35123 | 24061 | 70 |
| 40 | 89042 | 65026 | 34974 | 24016 | 60 |
| 50 | 89146 | 65175 | 34825 | 23971 | 50 |
| 60 | 89250 | 65323 | 34677 | 23927 | 40 |
| 70 | 89354 | 65472 | 34528 | 23882 | 30 |
| 80 | 89458 | 65621 | 34379 | 23837 | 20 |
| 90 | 89562 | 65770 | 34230 | 23793 | 10 |
| **94 oo** | 89666 | 65919 | 34081 | 23748 | **06 oo** |
| 10 | 89770 | 66067 | 33933 | 23703 | 90 |
| 20 | 89874 | 66216 | 33784 | 23658 | 80 |
| 30 | 89979 | 66365 | 33635 | 23614 | 70 |
| 40 | 90083 | 66514 | 33486 | 23569 | 60 |
| 50 | 90187 | 66662 | 33338 | 23524 | 50 |
| 60 | 90291 | 66811 | 33189 | 23479 | 40 |
| 70 | 90395 | 66960 | 33040 | 23435 | 30 |
| 80 | 90499 | 67109 | 32891 | 23390 | 20 |
| 90 | 90603 | 67257 | 32743 | 23345 | 10 |
| **95 oo** | 90707 | 67406 | 32594 | 23301 | **05 oo** |
| | **9.73** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 104 | 148 | 148 | 45 | **63g** |

| 36g | 104 | 149 | 149 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.81** | **0.18** | **9.92** | |
| **95 oo** | 90707 | 67406 | 32594 | 23301 | **05 oo** |
| 10 | 90811 | 67555 | 32445 | 23256 | 90 |
| 20 | 90915 | 67704 | 32296 | 23211 | 80 |
| 30 | 91019 | 67853 | 32147 | 23166 | 70 |
| 40 | 91123 | 68001 | 31999 | 23122 | 60 |
| 50 | 91227 | 68150 | 31850 | 23077 | 50 |
| 60 | 91331 | 68299 | 31701 | 23032 | 40 |
| 70 | 91435 | 68448 | 31552 | 22987 | 30 |
| 80 | 91539 | 68596 | 31404 | 22943 | 20 |
| 90 | 91643 | 68745 | 31255 | 22898 | 10 |
| **96 oo** | 91747 | 68894 | 31106 | 22853 | **04 oo** |
| 10 | 91851 | 69043 | 30957 | 22808 | 90 |
| 20 | 91955 | 69191 | 30809 | 22764 | 80 |
| 30 | 92059 | 69340 | 30660 | 22719 | 70 |
| 40 | 92163 | 69489 | 30511 | 22674 | 60 |
| 50 | 92267 | 69638 | 30362 | 22629 | 50 |
| 60 | 92371 | 69786 | 30214 | 22585 | 40 |
| 70 | 92475 | 69935 | 30065 | 22540 | 30 |
| 80 | 92579 | 70084 | 29916 | 22495 | 20 |
| 90 | 92683 | 70232 | 29768 | 22450 | 10 |
| **97 oo** | 92787 | 70381 | 29619 | 22406 | **03 oo** |
| 10 | 92891 | 70530 | 29470 | 22361 | 90 |
| 20 | 92995 | 70679 | 29321 | 22316 | 80 |
| 30 | 93099 | 70827 | 29173 | 22271 | 70 |
| 40 | 93203 | 70976 | 29024 | 22226 | 60 |
| 50 | 93307 | 71125 | 28875 | 22182 | 50 |
| 60 | 93410 | 71273 | 28727 | 22137 | 40 |
| 70 | 93514 | 71422 | 28578 | 22092 | 30 |
| 80 | 93618 | 71571 | 28429 | 22047 | 20 |
| 90 | 93722 | 71720 | 28280 | 22003 | 10 |
| **98 oo** | 93826 | 71868 | 28132 | 21958 | **02 oo** |
| 10 | 93930 | 72017 | 27983 | 21913 | 90 |
| 20 | 94034 | 72166 | 27834 | 21868 | 80 |
| 30 | 94138 | 72314 | 27686 | 21823 | 70 |
| 40 | 94242 | 72463 | 27537 | 21779 | 60 |
| 50 | 94346 | 72612 | 27388 | 21734 | 50 |
| 60 | 94450 | 72761 | 27239 | 21689 | 40 |
| 70 | 94554 | 72909 | 27091 | 21644 | 30 |
| 80 | 94657 | 73058 | 26942 | 21600 | 20 |
| 90 | 94761 | 73207 | 26793 | 21555 | 10 |
| **99 oo** | 94865 | 73355 | 26645 | 21510 | **01 oo** |
| 10 | 94969 | 73504 | 26496 | 21465 | 90 |
| 20 | 95073 | 73653 | 26347 | 21420 | 80 |
| 30 | 95177 | 73801 | 26199 | 21376 | 70 |
| 40 | 95281 | 73950 | 26050 | 21331 | 60 |
| 50 | 95385 | 74099 | 25901 | 21286 | 50 |
| 60 | 95489 | 74247 | 25753 | 21241 | 40 |
| 70 | 95592 | 74396 | 25604 | 21196 | 30 |
| 80 | 95696 | 74545 | 25455 | 21152 | 20 |
| 90 | 95800 | 74693 | 25307 | 21107 | 10 |
| **100 oo** | 95904 | 74842 | 25158 | 21062 | **00 oo** |
| | **9.73** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 103 | 148 | 148 | 45 | **63g** |

| | 149 | 148 | 105 | 104 | 103 | 45 | 44 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,9 | 14,8 | 10,5 | 10,4 | 10,3 | 4,5 | 4,4 | 1 |
| 2 | 29,8 | 29,6 | 21,0 | 20,8 | 20,6 | 9,0 | 8,8 | 2 |
| 3 | 44,7 | 44,4 | 31,5 | 31,2 | 30,9 | 13,5 | 13,2 | 3 |
| 4 | 59,6 | 59,2 | 42,0 | 41,6 | 41,2 | 18,0 | 17,6 | 4 |
| 5 | 74,5 | 74,0 | 52,5 | 52,0 | 51,5 | 22,5 | 22,0 | 5 |
| 6 | 89,4 | 88,8 | 63,0 | 62,4 | 61,8 | 27,0 | 26,4 | 6 |
| 7 | 104,3 | 103,6 | 73,5 | 72,8 | 72,1 | 31,5 | 30,8 | 7 |
| 8 | 119,2 | 118,4 | 84,0 | 83,2 | 82,4 | 36,0 | 35,2 | 8 |
| 9 | 134,1 | 133,2 | 94,5 | 93,6 | 92,7 | 40,5 | 39,6 | 9 |

| 37g | 104 | 149 | 149 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.73** | **9.81** | **0.18** | **9.92** | |
| **00 oo** | 95904 | 74842 | 25158 | 21062 | **100 oo** |
| 10 | 96008 | 74991 | 25009 | 21017 | 90 |
| 20 | 96112 | 75139 | 24861 | 20972 | 80 |
| 30 | 96215 | 75288 | 24712 | 20927 | 70 |
| 40 | 96319 | 75437 | 24563 | 20883 | 60 |
| 50 | 96423 | 75585 | 24415 | 20838 | 50 |
| 60 | 96527 | 75734 | 24266 | 20793 | 40 |
| 70 | 96631 | 75883 | 24117 | 20748 | 30 |
| 80 | 96735 | 76031 | 23969 | 20703 | 20 |
| 90 | 96838 | 76180 | 23820 | 20659 | 10 |
| **01 oo** | 96942 | 76329 | 23671 | 20614 | **99 oo** |
| 10 | 97046 | 76477 | 23523 | 20569 | 90 |
| 20 | 97150 | 76626 | 23374 | 20524 | 80 |
| 30 | 97254 | 76774 | 23226 | 20479 | 70 |
| 40 | 97358 | 76923 | 23077 | 20434 | 60 |
| 50 | 97461 | 77072 | 22928 | 20390 | 50 |
| 60 | 97565 | 77220 | 22780 | 20345 | 40 |
| 70 | 97669 | 77369 | 22631 | 20300 | 30 |
| 80 | 97773 | 77518 | 22482 | 20255 | 20 |
| 90 | 97877 | 77666 | 22334 | 20210 | 10 |
| **02 oo** | 97980 | 77815 | 22185 | 20165 | **98 oo** |
| 10 | 98084 | 77964 | 22036 | 20121 | 90 |
| 20 | 98188 | 78112 | 21888 | 20076 | 80 |
| 30 | 98292 | 78261 | 21739 | 20031 | 70 |
| 40 | 98395 | 78409 | 21591 | 19986 | 60 |
| 50 | 98499 | 78558 | 21442 | 19941 | 50 |
| 60 | 98603 | 78707 | 21293 | 19896 | 40 |
| 70 | 98707 | 78855 | 21145 | 19851 | 30 |
| 80 | 98810 | 79004 | 20996 | 19807 | 20 |
| 90 | 98914 | 79152 | 20848 | 19762 | 10 |
| **03 oo** | 99018 | 79301 | 20699 | 19717 | **97 oo** |
| 10 | 99122 | 79450 | 20550 | 19672 | 90 |
| 20 | 99225 | 79598 | 20402 | 19627 | 80 |
| 30 | 99329 | 79747 | 20253 | 19582 | 70 |
| 40 | 99433 | 79895 | 20105 | 19537 | 60 |
| 50 | 99537 | 80044 | 19956 | 19493 | 50 |
| 60 | 99640 | 80193 | 19807 | 19448 | 40 |
| 70 | 99744 | 80341 | 19659 | 19403 | 30 |
| 80 | 99848 | 80490 | 19510 | 19358 | 20 |
| 90 | 99952 | 80638 | 19362 | 19313 | 10 |
| **04 oo** | *00055 | 80787 | 19213 | 19268 | **96 oo** |
| 10 | *00159 | 80936 | 19064 | 19223 | 90 |
| 20 | *00263 | 81084 | 18916 | 19178 | 80 |
| 30 | *00366 | 81233 | 18767 | 19134 | 70 |
| 40 | *00470 | 81381 | 18619 | 19089 | 60 |
| 50 | *00574 | 81530 | 18470 | 19044 | 50 |
| 60 | *00677 | 81678 | 18322 | 18999 | 40 |
| 70 | *00781 | 81827 | 18173 | 18954 | 30 |
| 80 | *00885 | 81976 | 18024 | 18909 | 20 |
| 90 | *00988 | 82124 | 17876 | 18864 | 10 |
| **05 oo** | *01092 | 82273 | 17727 | 18819 | **95 oo** |
| | ***9.74** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 103 | 148 | 148 | 45 | **62g** |

| 37g | 104 | 149 | 149 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.81** | **0.18** | **9.92** | |
| **05 oo** | 01092 | 82273 | 17727 | 18819 | **95 oo** |
| 10 | 01196 | 82421 | 17579 | 18775 | 90 |
| 20 | 01300 | 82570 | 17430 | 18730 | 80 |
| 30 | 01403 | 82718 | 17282 | 18685 | 70 |
| 40 | 01507 | 82867 | 17133 | 18640 | 60 |
| 50 | 01611 | 83016 | 16984 | 18595 | 50 |
| 60 | 01714 | 83164 | 16836 | 18550 | 40 |
| 70 | 01818 | 83313 | 16687 | 18505 | 30 |
| 80 | 01921 | 83461 | 16539 | 18460 | 20 |
| 90 | 02025 | 83610 | 16390 | 18415 | 10 |
| **06 oo** | 02129 | 83758 | 16242 | 18370 | **94 oo** |
| 10 | 02232 | 83907 | 16093 | 18326 | 90 |
| 20 | 02336 | 84055 | 15945 | 18281 | 80 |
| 30 | 02440 | 84204 | 15796 | 18236 | 70 |
| 40 | 02543 | 84352 | 15648 | 18191 | 60 |
| 50 | 02647 | 84501 | 15499 | 18146 | 50 |
| 60 | 02751 | 84649 | 15351 | 18101 | 40 |
| 70 | 02854 | 84798 | 15202 | 18056 | 30 |
| 80 | 02958 | 84947 | 15053 | 18011 | 20 |
| 90 | 03061 | 85095 | 14905 | 17966 | 10 |
| **07 oo** | 03165 | 85244 | 14756 | 17921 | **93 oo** |
| 10 | 03269 | 85392 | 14608 | 17876 | 90 |
| 20 | 03372 | 85541 | 14459 | 17832 | 80 |
| 30 | 03476 | 85689 | 14311 | 17787 | 70 |
| 40 | 03579 | 85838 | 14162 | 17742 | 60 |
| 50 | 03683 | 85986 | 14014 | 17697 | 50 |
| 60 | 03787 | 86135 | 13865 | 17652 | 40 |
| 70 | 03890 | 86283 | 13717 | 17607 | 30 |
| 80 | 03994 | 86432 | 13568 | 17562 | 20 |
| 90 | 04097 | 86580 | 13420 | 17517 | 10 |
| **08 oo** | 04201 | 86729 | 13271 | 17472 | **92 oo** |
| 10 | 04304 | 86877 | 13123 | 17427 | 90 |
| 20 | 04408 | 87026 | 12974 | 17382 | 80 |
| 30 | 04512 | 87174 | 12826 | 17337 | 70 |
| 40 | 04615 | 87323 | 12677 | 17292 | 60 |
| 50 | 04719 | 87471 | 12529 | 17247 | 50 |
| 60 | 04822 | 87620 | 12380 | 17202 | 40 |
| 70 | 04926 | 87768 | 12232 | 17158 | 30 |
| 80 | 05029 | 87917 | 12083 | 17113 | 20 |
| 90 | 05133 | 88065 | 11935 | 17068 | 10 |
| **09 oo** | 05236 | 88214 | 11786 | 17023 | **91 oo** |
| 10 | 05340 | 88362 | 11638 | 16978 | 90 |
| 20 | 05443 | 88511 | 11489 | 16933 | 80 |
| 30 | 05547 | 88659 | 11341 | 16888 | 70 |
| 40 | 05650 | 88808 | 11192 | 16843 | 60 |
| 50 | 05754 | 88956 | 11044 | 16798 | 50 |
| 60 | 05857 | 89105 | 10895 | 16753 | 40 |
| 70 | 05961 | 89253 | 10747 | 16708 | 30 |
| 80 | 06065 | 89401 | 10599 | 16663 | 20 |
| 90 | 06168 | 89550 | 10450 | 16618 | 10 |
| **10 oo** | 06272 | 89698 | 10302 | 16573 | **90 oo** |
| | **9.74** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 103 | 148 | 148 | 45 | **62g** |

| | 149 | 148 | 104 | 103 | 45 | 44 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,9 | 14,8 | 10,4 | 10,3 | 4,5 | 4,4 | 1 |
| 2 | 29,8 | 29,6 | 20,8 | 20,6 | 9,0 | 8,8 | 2 |
| 3 | 44,7 | 44,4 | 31,2 | 30,9 | 13,5 | 13,2 | 3 |
| 4 | 59,6 | 59,2 | 41,6 | 41,2 | 18,0 | 17,6 | 4 |
| 5 | 74,5 | 74,0 | 52,0 | 51,5 | 22,5 | 22,0 | 5 |
| 6 | 89,4 | 88,8 | 62,4 | 61,8 | 27,0 | 26,4 | 6 |
| 7 | 104,3 | 103,6 | 72,8 | 72,1 | 31,5 | 30,8 | 7 |
| 8 | 119,2 | 118,4 | 83,2 | 82,4 | 36,0 | 35,2 | 8 |
| 9 | 134,1 | 133,2 | 93,6 | 92,7 | 40,5 | 39,6 | 9 |

| **37g** | 104 | 149 | 149 | 44 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.81** | **0.18** | **9.92** | |
| **10 oo** | 06272 | 89698 | 10302 | 16573 | **90 oo** |
| 10 | 06375 | 89847 | 10153 | 16528 | 90 |
| 20 | 06479 | 89995 | 10005 | 16483 | 80 |
| 30 | 06582 | 90144 | 09856 | 16438 | 70 |
| 40 | 06685 | 90292 | 09708 | 16393 | 60 |
| 50 | 06789 | 90441 | 09559 | 16348 | 50 |
| 60 | 06892 | 90589 | 09411 | 16303 | 40 |
| 70 | 06996 | 90738 | 09262 | 16258 | 30 |
| 80 | 07099 | 90886 | 09114 | 16213 | 20 |
| 90 | 07203 | 91035 | 08965 | 16168 | 10 |
| **11 oo** | 07306 | 91183 | 08817 | 16123 | **89 oo** |
| 10 | 07410 | 91331 | 08669 | 16078 | 90 |
| 20 | 07513 | 91480 | 08520 | 16033 | 80 |
| 30 | 07617 | 91628 | 08372 | 15988 | 70 |
| 40 | 07720 | 91777 | 08223 | 15943 | 60 |
| 50 | 07824 | 91925 | 08075 | 15898 | 50 |
| 60 | 07927 | 92074 | 07926 | 15853 | 40 |
| 70 | 08030 | 92222 | 07778 | 15808 | 30 |
| 80 | 08134 | 92370 | 07630 | 15763 | 20 |
| 90 | 08237 | 92519 | 07481 | 15718 | 10 |
| **12 oo** | 08341 | 92667 | 07333 | 15673 | **88 oo** |
| 10 | 08444 | 92816 | 07184 | 15629 | 90 |
| 20 | 08548 | 92964 | 07036 | 15584 | 80 |
| 30 | 08651 | 93113 | 06887 | 15539 | 70 |
| 40 | 08754 | 93261 | 06739 | 15494 | 60 |
| 50 | 08858 | 93409 | 06591 | 15449 | 50 |
| 60 | 08961 | 93558 | 06442 | 15403 | 40 |
| 70 | 09065 | 93706 | 06294 | 15358 | 30 |
| 80 | 09168 | 93855 | 06145 | 15313 | 20 |
| 90 | 09271 | 94003 | 05997 | 15268 | 10 |
| **13 oo** | 09375 | 94151 | 05849 | 15223 | **87 oo** |
| 10 | 09478 | 94300 | 05700 | 15178 | 90 |
| 20 | 09582 | 94448 | 05552 | 15133 | 80 |
| 30 | 09685 | 94597 | 05403 | 15088 | 70 |
| 40 | 09788 | 94745 | 05255 | 15043 | 60 |
| 50 | 09892 | 94893 | 05107 | 14998 | 50 |
| 60 | 09995 | 95042 | 04958 | 14953 | 40 |
| 70 | 10099 | 95190 | 04810 | 14908 | 30 |
| 80 | 10202 | 95339 | 04661 | 14863 | 20 |
| 90 | 10305 | 95487 | 04513 | 14818 | 10 |
| **14 oo** | 10409 | 95635 | 04365 | 14773 | **86 oo** |
| 10 | 10512 | 95784 | 04216 | 14728 | 90 |
| 20 | 10615 | 95932 | 04068 | 14683 | 80 |
| 30 | 10719 | 96081 | 03919 | 14638 | 70 |
| 40 | 10822 | 96229 | 03771 | 14593 | 60 |
| 50 | 10925 | 96377 | 03623 | 14548 | 50 |
| 60 | 11029 | 96526 | 03474 | 14503 | 40 |
| 70 | 11132 | 96674 | 03326 | 14458 | 30 |
| 80 | 11235 | 96822 | 03178 | 14413 | 20 |
| 90 | 11339 | 96971 | 03029 | 14368 | 10 |
| **15 oo** | 11442 | 97119 | 02881 | 14323 | **85 oo** |
| | **9.74** | **9.81** | **0.18** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 103 | 148 | 148 | 46 | |

| **37g** | 104 | 149 | 149 | 45 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | ∗**9.81** | ∗**0.18** | **9.92** | |
| **15 oo** | 11442 | ∗97119 | ∗02881 | 14323 | **85 oo** |
| 10 | 11545 | ∗97267 | ∗02733 | 14278 | 90 |
| 20 | 11649 | ∗97416 | ∗02584 | 14233 | 80 |
| 30 | 11752 | ∗97564 | ∗02436 | 14188 | 70 |
| 40 | 11855 | ∗97713 | ∗02287 | 14143 | 60 |
| 50 | 11959 | ∗97861 | ∗02139 | 14098 | 50 |
| 60 | 12062 | ∗98009 | ∗01991 | 14053 | 40 |
| 70 | 12165 | ∗98158 | ∗01842 | 14008 | 30 |
| 80 | 12268 | ∗98306 | ∗01694 | 13963 | 20 |
| 90 | 12372 | ∗98454 | ∗01546 | 13917 | 10 |
| **16 oo** | 12475 | ∗98603 | ∗01397 | 13872 | **84 oo** |
| 10 | 12578 | ∗98751 | ∗01249 | 13827 | 90 |
| 20 | 12682 | ∗98899 | ∗01101 | 13782 | 80 |
| 30 | 12785 | ∗99048 | ∗00952 | 13737 | 70 |
| 40 | 12888 | ∗99196 | ∗00804 | 13692 | 60 |
| 50 | 12991 | ∗99344 | ∗00656 | 13647 | 50 |
| 60 | 13095 | ∗99493 | ∗00507 | 13602 | 40 |
| 70 | 13198 | ∗99641 | ∗00359 | 13557 | 30 |
| 80 | 13301 | ∗99789 | ∗00211 | 13512 | 20 |
| 90 | 13405 | ∗99938 | ∗00062 | 13467 | 10 |
| **17 oo** | 13508 | 00086 | 99914 | 13422 | **83 oo** |
| 10 | 13611 | 00234 | 99766 | 13377 | 90 |
| 20 | 13714 | 00383 | 99617 | 13332 | 80 |
| 30 | 13818 | 00531 | 99469 | 13287 | 70 |
| 40 | 13921 | 00679 | 99321 | 13241 | 60 |
| 50 | 14024 | 00828 | 99172 | 13196 | 50 |
| 60 | 14127 | 00976 | 99024 | 13151 | 40 |
| 70 | 14230 | 01124 | 98876 | 13106 | 30 |
| 80 | 14334 | 01272 | 98728 | 13061 | 20 |
| 90 | 14437 | 01421 | 98579 | 13016 | 10 |
| **18 oo** | 14540 | 01569 | 98431 | 12971 | **82 oo** |
| 10 | 14643 | 01717 | 98283 | 12926 | 90 |
| 20 | 14747 | 01866 | 98134 | 12881 | 80 |
| 30 | 14850 | 02014 | 97986 | 12836 | 70 |
| 40 | 14953 | 02162 | 97838 | 12791 | 60 |
| 50 | 15056 | 02311 | 97689 | 12746 | 50 |
| 60 | 15159 | 02459 | 97541 | 12700 | 40 |
| 70 | 15263 | 02607 | 97393 | 12655 | 30 |
| 80 | 15366 | 02755 | 97245 | 12610 | 20 |
| 90 | 15469 | 02904 | 97096 | 12565 | 10 |
| **19 oo** | 15572 | 03052 | 96948 | 12520 | **81 oo** |
| 10 | 15675 | 03200 | 96800 | 12475 | 90 |
| 20 | 15778 | 03349 | 96651 | 12430 | 80 |
| 30 | 15882 | 03497 | 96503 | 12385 | 70 |
| 40 | 15985 | 03645 | 96355 | 12340 | 60 |
| 50 | 16088 | 03793 | 96207 | 12294 | 50 |
| 60 | 16191 | 03942 | 96058 | 12249 | 40 |
| 70 | 16294 | 04090 | 95910 | 12204 | 30 |
| 80 | 16397 | 04238 | 95762 | 12159 | 20 |
| 90 | 16501 | 04387 | 95613 | 12114 | 10 |
| **20 oo** | 16604 | 04535 | 95465 | 12069 | **80 oo** |
| | **9.74** | **9.82** | **0.17** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 103 | 148 | 148 | 46 | |

| | 149 | 148 | 104 | 103 | 46 | 45 | 44 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,9 | 14,8 | 10,4 | 10,3 | 4,6 | 4,5 | 4,4 | 1 |
| 2 | 29,8 | 29,6 | 20,8 | 20,6 | 9,2 | 9,0 | 8,8 | 2 |
| 3 | 44,7 | 44,4 | 31,2 | 30,9 | 13,8 | 13,5 | 13,2 | 3 |
| 4 | 59,6 | 59,2 | 41,6 | 41,2 | 18,4 | 18,0 | 17,6 | 4 |
| 5 | 74,5 | 74,0 | 52,0 | 51,5 | 23,0 | 22,5 | 22,0 | 5 |
| 6 | 89,4 | 88,8 | 62,4 | 61,8 | 27,6 | 27,0 | 26,4 | 6 |
| 7 | 104,3 | 103,6 | 72,8 | 72,1 | 32,2 | 31,5 | 30,8 | 7 |
| 8 | 119,2 | 118,4 | 83,2 | 82,4 | 36,8 | 36,0 | 35,2 | 8 |
| 9 | 134,1 | 133,2 | 93,6 | 92,7 | 41,4 | 40,5 | 39,6 | 9 |

| **37g** | 104 | 149 | 149 | 45 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | **9.92** | |
| **20 oo** | 16604 | 04535 | 95465 | 12069 | **80 oo** |
| 10 | 16707 | 04683 | 95317 | 12024 | 90 |
| 20 | 16810 | 04831 | 95169 | 11979 | 80 |
| 30 | 16913 | 04980 | 95020 | 11934 | 70 |
| 40 | 17016 | 05128 | 94872 | 11888 | 60 |
| 50 | 17119 | 05276 | 94724 | 11843 | 50 |
| 60 | 17223 | 05424 | 94576 | 11798 | 40 |
| 70 | 17326 | 05573 | 94427 | 11753 | 30 |
| 80 | 17429 | 05721 | 94279 | 11708 | 20 |
| 90 | 17532 | 05869 | 94131 | 11663 | 10 |
| **21 oo** | 17635 | 06017 | 93983 | 11618 | **79 oo** |
| 10 | 17738 | 06166 | 93834 | 11573 | 90 |
| 20 | 17841 | 06314 | 93686 | 11527 | 80 |
| 30 | 17944 | 06462 | 93538 | 11482 | 70 |
| 40 | 18047 | 06610 | 93390 | 11437 | 60 |
| 50 | 18151 | 06759 | 93241 | 11392 | 50 |
| 60 | 18254 | 06907 | 93093 | 11347 | 40 |
| 70 | 18357 | 07055 | 92945 | 11302 | 30 |
| 80 | 18460 | 07203 | 92797 | 11257 | 20 |
| 90 | 18563 | 07351 | 92649 | 11211 | 10 |
| **22 oo** | 18666 | 07500 | 92500 | 11166 | **78 oo** |
| 10 | 18769 | 07648 | 92352 | 11121 | 90 |
| 20 | 18872 | 07796 | 92204 | 11076 | 80 |
| 30 | 18975 | 07944 | 92056 | 11031 | 70 |
| 40 | 19078 | 08093 | 91907 | 10986 | 60 |
| 50 | 19181 | 08241 | 91759 | 10940 | 50 |
| 60 | 19284 | 08389 | 91611 | 10895 | 40 |
| 70 | 19387 | 08537 | 91463 | 10850 | 30 |
| 80 | 19490 | 08685 | 91315 | 10805 | 20 |
| 90 | 19593 | 08834 | 91166 | 10760 | 10 |
| **23 oo** | 19697 | 08982 | 91018 | 10715 | **77 oo** |
| 10 | 19800 | 09130 | 90870 | 10669 | 90 |
| 20 | 19903 | 09278 | 90722 | 10624 | 80 |
| 30 | 20006 | 09426 | 90574 | 10579 | 70 |
| 40 | 20109 | 09575 | 90425 | 10534 | 60 |
| 50 | 20212 | 09723 | 90277 | 10489 | 50 |
| 60 | 20315 | 09871 | 90129 | 10444 | 40 |
| 70 | 20418 | 10019 | 89981 | 10398 | 30 |
| 80 | 20521 | 10167 | 89833 | 10353 | 20 |
| 90 | 20624 | 10316 | 89684 | 10308 | 10 |
| **24 oo** | 20727 | 10464 | 89536 | 10263 | **76 oo** |
| 10 | 20830 | 10612 | 89388 | 10218 | 90 |
| 20 | 20933 | 10760 | 89240 | 10173 | 80 |
| 30 | 21036 | 10908 | 89092 | 10127 | 70 |
| 40 | 21139 | 11057 | 88943 | 10082 | 60 |
| 50 | 21242 | 11205 | 88795 | 10037 | 50 |
| 60 | 21345 | 11353 | 88647 | 09992 | 40 |
| 70 | 21448 | 11501 | 88499 | 09947 | 30 |
| 80 | 21551 | 11649 | 88351 | 09901 | 20 |
| 90 | 21654 | 11797 | 88203 | 09856 | 10 |
| **25 oo** | 21757 | 11946 | 88054 | 09811 | **75 oo** |
| | **9.74** | **9.82** | **0.17** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 103 | 148 | 148 | 46 | |

| **37g** | 103 | 149 | 149 | 45 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | **9.92** | |
| **25 oo** | 21757 | 11946 | 88054 | 09811 | **75 oo** |
| 10 | 21860 | 12094 | 87906 | 09766 | 90 |
| 20 | 21963 | 12242 | 87758 | 09721 | 80 |
| 30 | 22065 | 12390 | 87610 | 09675 | 70 |
| 40 | 22168 | 12538 | 87462 | 09630 | 60 |
| 50 | 22271 | 12686 | 87314 | 09585 | 50 |
| 60 | 22374 | 12835 | 87165 | 09540 | 40 |
| 70 | 22477 | 12983 | 87017 | 09495 | 30 |
| 80 | 22580 | 13131 | 86869 | 09449 | 20 |
| 90 | 22683 | 13279 | 86721 | 09404 | 10 |
| **26 oo** | 22786 | 13427 | 86573 | 09359 | **74 oo** |
| 10 | 22889 | 13575 | 86425 | 09314 | 90 |
| 20 | 22992 | 13723 | 86277 | 09269 | 80 |
| 30 | 23095 | 13872 | 86128 | 09223 | 70 |
| 40 | 23198 | 14020 | 85980 | 09178 | 60 |
| 50 | 23301 | 14168 | 85832 | 09133 | 50 |
| 60 | 23404 | 14316 | 85684 | 09088 | 40 |
| 70 | 23507 | 14464 | 85536 | 09043 | 30 |
| 80 | 23609 | 14612 | 85388 | 08997 | 20 |
| 90 | 23712 | 14760 | 85240 | 08952 | 10 |
| **27 oo** | 23815 | 14908 | 85092 | 08907 | **73 oo** |
| 10 | 23918 | 15057 | 84943 | 08862 | 90 |
| 20 | 24021 | 15205 | 84795 | 08816 | 80 |
| 30 | 24124 | 15353 | 84647 | 08771 | 70 |
| 40 | 24227 | 15501 | 84499 | 08726 | 60 |
| 50 | 24330 | 15649 | 84351 | 08681 | 50 |
| 60 | 24433 | 15797 | 84203 | 08635 | 40 |
| 70 | 24536 | 15945 | 84055 | 08590 | 30 |
| 80 | 24638 | 16093 | 83907 | 08545 | 20 |
| 90 | 24741 | 16242 | 83758 | 08500 | 10 |
| **28 oo** | 24844 | 16390 | 83610 | 08454 | **72 oo** |
| 10 | 24947 | 16538 | 83462 | 08409 | 90 |
| 20 | 25050 | 16686 | 83314 | 08364 | 80 |
| 30 | 25153 | 16834 | 83166 | 08319 | 70 |
| 40 | 25256 | 16982 | 83018 | 08274 | 60 |
| 50 | 25358 | 17130 | 82870 | 08228 | 50 |
| 60 | 25461 | 17278 | 82722 | 08183 | 40 |
| 70 | 25564 | 17426 | 82574 | 08138 | 30 |
| 80 | 25667 | 17574 | 82426 | 08092 | 20 |
| 90 | 25770 | 17723 | 82277 | 08047 | 10 |
| **29 oo** | 25873 | 17871 | 82129 | 08002 | **71 oo** |
| 10 | 25975 | 18019 | 81981 | 07957 | 90 |
| 20 | 26078 | 18167 | 81833 | 07911 | 80 |
| 30 | 26181 | 18315 | 81685 | 07866 | 70 |
| 40 | 26284 | 18463 | 81537 | 07821 | 60 |
| 50 | 26387 | 18611 | 81389 | 07776 | 50 |
| 60 | 26489 | 18759 | 81241 | 07730 | 40 |
| 70 | 26592 | 18907 | 81093 | 07685 | 30 |
| 80 | 26695 | 19055 | 80945 | 07640 | 20 |
| 90 | 26798 | 19203 | 80797 | 07595 | 10 |
| **30 oo** | 26901 | 19351 | 80649 | 07549 | **70 oo** |
| | **9.74** | **9.82** | **0.17** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 102 | 148 | 148 | 46 | |

| | 149 | 148 | 104 | 103 | 102 | 46 | 45 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,9 | 14,8 | 10,4 | 10,3 | 10,2 | 4,6 | 4,5 | 1 |
| 2 | 29,8 | 29,6 | 20,8 | 20,6 | 20,4 | 9,2 | 9,0 | 2 |
| 3 | 44,7 | 44,4 | 31,2 | 30,9 | 30,6 | 13,8 | 13,5 | 3 |
| 4 | 59,6 | 59,2 | 41,6 | 41,2 | 40,8 | 18,4 | 18,0 | 4 |
| 5 | 74,5 | 74,0 | 52,0 | 51,5 | 51,0 | 23,0 | 22,5 | 5 |
| 6 | 89,4 | 88,8 | 62,4 | 61,8 | 61,2 | 27,6 | 27,0 | 6 |
| 7 | 104,3 | 103,6 | 72,8 | 72,1 | 71,4 | 32,2 | 31,5 | 7 |
| 8 | 119,2 | 118,4 | 83,2 | 82,4 | 81,6 | 36,8 | 36,0 | 8 |
| 9 | 134,1 | 133,2 | 93,6 | 92,7 | 91,8 | 41,4 | 40,5 | 9 |

| **37g** | 103 | 149 | 149 | 45 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | **9.92** | |
| **30 oo** | 26901 | 19351 | 80649 | 07549 | **70 oo** |
| 10 | 27003 | 19499 | 80501 | 07504 | 90 |
| 20 | 27106 | 19647 | 80353 | 07459 | 80 |
| 30 | 27209 | 19796 | 80204 | 07414 | 70 |
| 40 | 27312 | 19944 | 80056 | 07368 | 60 |
| 50 | 27415 | 20092 | 79908 | 07323 | 50 |
| 60 | 27517 | 20240 | 79760 | 07278 | 40 |
| 70 | 27620 | 20388 | 79612 | 07232 | 30 |
| 80 | 27723 | 20536 | 79464 | 07187 | 20 |
| 90 | 27826 | 20684 | 79316 | 07142 | 10 |
| **31 oo** | 27928 | 20832 | 79168 | 07097 | **69 oo** |
| 10 | 28031 | 20980 | 79020 | 07051 | 90 |
| 20 | 28134 | 21128 | 78872 | 07006 | 80 |
| 30 | 28237 | 21276 | 78724 | 06961 | 70 |
| 40 | 28339 | 21424 | 78576 | 06915 | 60 |
| 50 | 28442 | 21572 | 78428 | 06870 | 50 |
| 60 | 28545 | 21720 | 78280 | 06825 | 40 |
| 70 | 28648 | 21868 | 78132 | 06779 | 30 |
| 80 | 28750 | 22016 | 77984 | 06734 | 20 |
| 90 | 28853 | 22164 | 77836 | 06689 | 10 |
| **32 oo** | 28956 | 22312 | 77688 | 06644 | **68 oo** |
| 10 | 29059 | 22460 | 77540 | 06598 | 90 |
| 20 | 29161 | 22608 | 77392 | 06553 | 80 |
| 30 | 29264 | 22756 | 77244 | 06508 | 70 |
| 40 | 29367 | 22904 | 77096 | 06462 | 60 |
| 50 | 29469 | 23052 | 76948 | 06417 | 50 |
| 60 | 29572 | 23200 | 76800 | 06372 | 40 |
| 70 | 29675 | 23348 | 76652 | 06326 | 30 |
| 80 | 29778 | 23496 | 76504 | 06281 | 20 |
| 90 | 29880 | 23644 | 76356 | 06236 | 10 |
| **33 oo** | 29983 | 23793 | 76207 | 06190 | **67 oo** |
| 10 | 30086 | 23941 | 76059 | 06145 | 90 |
| 20 | 30188 | 24089 | 75911 | 06100 | 80 |
| 30 | 30291 | 24237 | 75763 | 06054 | 70 |
| 40 | 30394 | 24385 | 75615 | 06009 | 60 |
| 50 | 30496 | 24533 | 75467 | 05964 | 50 |
| 60 | 30599 | 24681 | 75319 | 05919 | 40 |
| 70 | 30702 | 24829 | 75171 | 05873 | 30 |
| 80 | 30804 | 24977 | 75023 | 05828 | 20 |
| 90 | 30907 | 25125 | 74875 | 05783 | 10 |
| **34 oo** | 31010 | 25272 | 74728 | 05737 | **66 oo** |
| 10 | 31112 | 25420 | 74580 | 05692 | 90 |
| 20 | 31215 | 25568 | 74432 | 05647 | 80 |
| 30 | 31318 | 25716 | 74284 | 05601 | 70 |
| 40 | 31420 | 25864 | 74136 | 05556 | 60 |
| 50 | 31523 | 26012 | 73988 | 05510 | 50 |
| 60 | 31626 | 26160 | 73840 | 05465 | 40 |
| 70 | 31728 | 26308 | 73692 | 05420 | 30 |
| 80 | 31831 | 26456 | 73544 | 05374 | 20 |
| 90 | 31933 | 26604 | 73396 | 05329 | 10 |
| **35 oo** | 32036 | 26752 | 73248 | 05284 | **65 oo** |
| | **9.74** | **9.82** | **0.17** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 102 | 147 | 147 | 46 | |

| **37g** | 103 | 148 | 148 | 45 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | **9.92** | |
| **35 oo** | 32036 | 26752 | 73248 | 05284 | **65 oo** |
| 10 | 32139 | 26900 | 73100 | 05238 | 90 |
| 20 | 32241 | 27048 | 72952 | 05193 | 80 |
| 30 | 32344 | 27196 | 72804 | 05148 | 70 |
| 40 | 32446 | 27344 | 72656 | 05102 | 60 |
| 50 | 32549 | 27492 | 72508 | 05057 | 50 |
| 60 | 32652 | 27640 | 72360 | 05012 | 40 |
| 70 | 32754 | 27788 | 72212 | 04966 | 30 |
| 80 | 32857 | 27936 | 72064 | 04921 | 20 |
| 90 | 32959 | 28084 | 71916 | 04876 | 10 |
| **36 oo** | 33062 | 28232 | 71768 | 04830 | **64 oo** |
| 10 | 33165 | 28380 | 71620 | 04785 | 90 |
| 20 | 33267 | 28528 | 71472 | 04739 | 80 |
| 30 | 33370 | 28676 | 71324 | 04694 | 70 |
| 40 | 33472 | 28824 | 71176 | 04649 | 60 |
| 50 | 33575 | 28972 | 71028 | 04603 | 50 |
| 60 | 33677 | 29120 | 70880 | 04558 | 40 |
| 70 | 33780 | 29267 | 70733 | 04513 | 30 |
| 80 | 33883 | 29415 | 70585 | 04467 | 20 |
| 90 | 33985 | 29563 | 70437 | 04422 | 10 |
| **37 oo** | 34088 | 29711 | 70289 | 04376 | **63 oo** |
| 10 | 34190 | 29859 | 70141 | 04331 | 90 |
| 20 | 34293 | 30007 | 69993 | 04286 | 80 |
| 30 | 34395 | 30155 | 69845 | 04240 | 70 |
| 40 | 34498 | 30303 | 69697 | 04195 | 60 |
| 50 | 34600 | 30451 | 69549 | 04150 | 50 |
| 60 | 34703 | 30599 | 69401 | 04104 | 40 |
| 70 | 34805 | 30747 | 69253 | 04059 | 30 |
| 80 | 34908 | 30895 | 69105 | 04013 | 20 |
| 90 | 35011 | 31043 | 68957 | 03968 | 10 |
| **38 oo** | 35113 | 31190 | 68810 | 03923 | **62 oo** |
| 10 | 35216 | 31338 | 68662 | 03877 | 90 |
| 20 | 35318 | 31486 | 68514 | 03832 | 80 |
| 30 | 35421 | 31634 | 68366 | 03786 | 70 |
| 40 | 35523 | 31782 | 68218 | 03741 | 60 |
| 50 | 35626 | 31930 | 68070 | 03696 | 50 |
| 60 | 35728 | 32078 | 67922 | 03650 | 40 |
| 70 | 35831 | 32226 | 67774 | 03605 | 30 |
| 80 | 35933 | 32374 | 67626 | 03559 | 20 |
| 90 | 36036 | 32522 | 67478 | 03514 | 10 |
| **39 oo** | 36138 | 32670 | 67330 | 03469 | **61 oo** |
| 10 | 36240 | 32817 | 67183 | 03423 | 90 |
| 20 | 36343 | 32965 | 67035 | 03378 | 80 |
| 30 | 36445 | 33113 | 66887 | 03332 | 70 |
| 40 | 36548 | 33261 | 66739 | 03287 | 60 |
| 50 | 36650 | 33409 | 66591 | 03241 | 50 |
| 60 | 36753 | 33557 | 66443 | 03196 | 40 |
| 70 | 36855 | 33705 | 66295 | 03151 | 30 |
| 80 | 36958 | 33853 | 66147 | 03105 | 20 |
| 90 | 37060 | 34000 | 66000 | 03060 | 10 |
| **40 oo** | 37163 | 34148 | 65852 | 03014 | **60 oo** |
| | **9.74** | **9.82** | **0.17** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 102 | 147 | 147 | 46 | |

| | 149 | 148 | 147 | 103 | 102 | 46 | 45 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,9 | 14,8 | 14,7 | 10,3 | 10,2 | 4,6 | 4,5 | 1 |
| 2 | 29,8 | 29,6 | 29,4 | 20,6 | 20,4 | 9,2 | 9,0 | 2 |
| 3 | 44,7 | 44,4 | 44,1 | 30,9 | 30,6 | 13,8 | 13,5 | 3 |
| 4 | 59,6 | 59,2 | 58,8 | 41,2 | 40,8 | 18,4 | 18,0 | 4 |
| 5 | 74,5 | 74,0 | 73,5 | 51,5 | 51,0 | 23,0 | 22,5 | 5 |
| 6 | 89,4 | 88,8 | 88,2 | 61,8 | 61,2 | 27,6 | 27,0 | 6 |
| 7 | 104,3 | 103,6 | 102,9 | 72,1 | 71,4 | 32,2 | 31,5 | 7 |
| 8 | 119,2 | 118,4 | 117,6 | 82,4 | 81,6 | 36,8 | 36,0 | 8 |
| 9 | 134,1 | 133,2 | 132,3 | 92,7 | 91,8 | 41,4 | 40,5 | 9 |

| 37g | 103 | 148 | 148 | 45 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | **9.92** | |
| **40 00** | 37163 | 34148 | 65852 | 03014 | **60 00** |
| 10 | 37265 | 34296 | 65704 | 02969 | 90 |
| 20 | 37368 | 34444 | 65556 | 02923 | 80 |
| 30 | 37470 | 34592 | 65408 | 02878 | 70 |
| 40 | 37572 | 34740 | 65260 | 02833 | 60 |
| 50 | 37675 | 34888 | 65112 | 02787 | 50 |
| 60 | 37777 | 35036 | 64964 | 02742 | 40 |
| 70 | 37880 | 35183 | 64817 | 02696 | 30 |
| 80 | 37982 | 35331 | 64669 | 02651 | 20 |
| 90 | 38084 | 35479 | 64521 | 02605 | 10 |
| **41 00** | 38187 | 35627 | 64373 | 02560 | **59 00** |
| 10 | 38289 | 35775 | 64225 | 02515 | 90 |
| 20 | 38392 | 35923 | 64077 | 02469 | 80 |
| 30 | 38494 | 36070 | 63930 | 02424 | 70 |
| 40 | 38597 | 36218 | 63782 | 02378 | 60 |
| 50 | 38699 | 36366 | 63634 | 02333 | 50 |
| 60 | 38801 | 36514 | 63486 | 02287 | 40 |
| 70 | 38904 | 36662 | 63338 | 02242 | 30 |
| 80 | 39006 | 36810 | 63190 | 02196 | 20 |
| 90 | 39108 | 36958 | 63042 | 02151 | 10 |
| **42 00** | 39211 | 37105 | 62895 | 02105 | **58 00** |
| 10 | 39313 | 37253 | 62747 | 02060 | 90 |
| 20 | 39416 | 37401 | 62599 | 02015 | 80 |
| 30 | 39518 | 37549 | 62451 | 01969 | 70 |
| 40 | 39620 | 37697 | 62303 | 01924 | 60 |
| 50 | 39723 | 37845 | 62155 | 01878 | 50 |
| 60 | 39825 | 37992 | 62008 | 01833 | 40 |
| 70 | 39927 | 38140 | 61860 | 01787 | 30 |
| 80 | 40030 | 38288 | 61712 | 01742 | 20 |
| 90 | 40132 | 38436 | 61564 | 01696 | 10 |
| **43 00** | 40234 | 38584 | 61416 | 01651 | **57 00** |
| 10 | 40337 | 38731 | 61269 | 01605 | 90 |
| 20 | 40439 | 38879 | 61121 | 01560 | 80 |
| 30 | 40541 | 39027 | 60973 | 01514 | 70 |
| 40 | 40644 | 39175 | 60825 | 01469 | 60 |
| 50 | 40746 | 39323 | 60677 | 01423 | 50 |
| 60 | 40848 | 39470 | 60530 | 01378 | 40 |
| 70 | 40951 | 39618 | 60382 | 01332 | 30 |
| 80 | 41053 | 39766 | 60234 | 01287 | 20 |
| 90 | 41155 | 39914 | 60086 | 01241 | 10 |
| **44 00** | 41258 | 40062 | 59938 | 01196 | **56 00** |
| 10 | 41360 | 40209 | 59791 | 01150 | 90 |
| 20 | 41462 | 40357 | 59643 | 01105 | 80 |
| 30 | 41565 | 40505 | 59495 | 01059 | 70 |
| 40 | 41667 | 40653 | 59347 | 01014 | 60 |
| 50 | 41769 | 40801 | 59199 | 00969 | 50 |
| 60 | 41871 | 40948 | 59052 | 00923 | 40 |
| 70 | 41974 | 41096 | 58904 | 00878 | 30 |
| 80 | 42076 | 41244 | 58756 | 00832 | 20 |
| 90 | 42178 | 41392 | 58608 | 00787 | 10 |
| **45 00** | 42281 | 41540 | 58460 | 00741 | **55 00** |
| | **9.74** | **9.82** | **0.17** | **9.92** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 102 | 147 | 147 | 46 | |

| 37g | 103 | 148 | 148 | 45 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | ***9.92** | |
| **45 00** | 42281 | 41540 | 58460 | *00741 | **55 00** |
| 10 | 42383 | 41687 | 58313 | *00695 | 90 |
| 20 | 42485 | 41835 | 58165 | *00650 | 80 |
| 30 | 42587 | 41983 | 58017 | *00604 | 70 |
| 40 | 42690 | 42131 | 57869 | *00559 | 60 |
| 50 | 42792 | 42278 | 57722 | *00513 | 50 |
| 60 | 42894 | 42426 | 57574 | *00468 | 40 |
| 70 | 42996 | 42574 | 57426 | *00422 | 30 |
| 80 | 43099 | 42722 | 57278 | *00377 | 20 |
| 90 | 43201 | 42869 | 57131 | *00331 | 10 |
| **46 00** | 43303 | 43017 | 56983 | *00286 | **54 00** |
| 10 | 43405 | 43165 | 56835 | *00240 | 90 |
| 20 | 43508 | 43313 | 56687 | *00195 | 80 |
| 30 | 43610 | 43460 | 56540 | *00149 | 70 |
| 40 | 43712 | 43608 | 56392 | *00104 | 60 |
| 50 | 43814 | 43756 | 56244 | *00058 | 50 |
| 60 | 43916 | 43904 | 56096 | *00013 | 40 |
| 70 | 44019 | 44051 | 55949 | 99967 | 30 |
| 80 | 44121 | 44199 | 55801 | 99922 | 20 |
| 90 | 44223 | 44347 | 55653 | 99876 | 10 |
| **47 00** | 44325 | 44495 | 55505 | 99831 | **53 00** |
| 10 | 44427 | 44642 | 55358 | 99785 | 90 |
| 20 | 44530 | 44790 | 55210 | 99740 | 80 |
| 30 | 44632 | 44938 | 55062 | 99694 | 70 |
| 40 | 44734 | 45086 | 54914 | 99648 | 60 |
| 50 | 44836 | 45233 | 54767 | 99603 | 50 |
| 60 | 44938 | 45381 | 54619 | 99557 | 40 |
| 70 | 45041 | 45529 | 54471 | 99512 | 30 |
| 80 | 45143 | 45676 | 54324 | 99466 | 20 |
| 90 | 45245 | 45824 | 54176 | 99421 | 10 |
| **48 00** | 45347 | 45972 | 54028 | 99375 | **52 00** |
| 10 | 45449 | 46120 | 53880 | 99330 | 90 |
| 20 | 45551 | 46267 | 53733 | 99284 | 80 |
| 30 | 45654 | 46415 | 53585 | 99238 | 70 |
| 40 | 45756 | 46563 | 53437 | 99193 | 60 |
| 50 | 45858 | 46710 | 53290 | 99147 | 50 |
| 60 | 45960 | 46858 | 53142 | 99102 | 40 |
| 70 | 46062 | 47006 | 52994 | 99056 | 30 |
| 80 | 46164 | 47154 | 52846 | 99011 | 20 |
| 90 | 46266 | 47301 | 52699 | 98965 | 10 |
| **49 00** | 46369 | 47449 | 52551 | 98920 | **51 00** |
| 10 | 46471 | 47597 | 52403 | 98874 | 90 |
| 20 | 46573 | 47744 | 52256 | 98828 | 80 |
| 30 | 46675 | 47892 | 52108 | 98783 | 70 |
| 40 | 46777 | 48040 | 51960 | 98737 | 60 |
| 50 | 46879 | 48187 | 51813 | 98692 | 50 |
| 60 | 46981 | 48335 | 51665 | 98646 | 40 |
| 70 | 47083 | 48483 | 51517 | 98601 | 30 |
| 80 | 47185 | 48631 | 51369 | 98555 | 20 |
| 90 | 47288 | 48778 | 51222 | 98509 | 10 |
| **50 00** | 47390 | 48926 | 51074 | 98464 | **50 00** |
| | **9.74** | **9.82** | **0.17** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 102 | 147 | 147 | 46 | |

| | 148 | 147 | 103 | 102 | 46 | 45 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,8 | 14,7 | 10,3 | 10,2 | 4,6 | 4,5 | 1 |
| 2 | 29,6 | 29,4 | 20,6 | 20,4 | 9,2 | 9,0 | 2 |
| 3 | 44,4 | 44,1 | 30,9 | 30,6 | 13,8 | 13,5 | 3 |
| 4 | 59,2 | 58,8 | 41,2 | 40,8 | 18,4 | 18,0 | 4 |
| 5 | 74,0 | 73,5 | 51,5 | 51,0 | 23,0 | 22,5 | 5 |
| 6 | 88,8 | 88,2 | 61,8 | 61,2 | 27,6 | 27,0 | 6 |
| 7 | 103,6 | 102,9 | 72,1 | 71,4 | 32,2 | 31,5 | 7 |
| 8 | 118,4 | 117,6 | 82,4 | 81,6 | 36,8 | 36,0 | 8 |
| 9 | 133,2 | 132,3 | 92,7 | 91,8 | 41,4 | 40,5 | 9 |

| **37g** | 103 | 148 | 148 | 45 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | **9.91** | |
| **50 00** | 47390 | 48926 | 51074 | 98464 | **50 00** |
| 10 | 47492 | 49074 | 50926 | 98418 | 90 |
| 20 | 47594 | 49221 | 50779 | 98373 | 80 |
| 30 | 47696 | 49369 | 50631 | 98327 | 70 |
| 40 | 47798 | 49517 | 50483 | 98281 | 60 |
| 50 | 47900 | 49664 | 50336 | 98236 | 50 |
| 60 | 48002 | 49812 | 50188 | 98190 | 40 |
| 70 | 48104 | 49960 | 50040 | 98145 | 30 |
| 80 | 48206 | 50107 | 49893 | 98099 | 20 |
| 90 | 48308 | 50255 | 49745 | 98054 | 10 |
| **51 00** | 48410 | 50403 | 49597 | 98008 | **49 00** |
| 10 | 48513 | 50550 | 49450 | 97962 | 90 |
| 20 | 48615 | 50698 | 49302 | 97917 | 80 |
| 30 | 48717 | 50846 | 49154 | 97871 | 70 |
| 40 | 48819 | 50993 | 49007 | 97826 | 60 |
| 50 | 48921 | 51141 | 48859 | 97780 | 50 |
| 60 | 49023 | 51288 | 48712 | 97734 | 40 |
| 70 | 49125 | 51436 | 48564 | 97689 | 30 |
| 80 | 49227 | 51584 | 48416 | 97643 | 20 |
| 90 | 49329 | 51731 | 48269 | 97597 | 10 |
| **52 00** | 49431 | 51879 | 48121 | 97552 | **48 00** |
| 10 | 49533 | 52027 | 47973 | 97506 | 90 |
| 20 | 49635 | 52174 | 47826 | 97461 | 80 |
| 30 | 49737 | 52322 | 47678 | 97415 | 70 |
| 40 | 49839 | 52470 | 47530 | 97369 | 60 |
| 50 | 49941 | 52617 | 47383 | 97324 | 50 |
| 60 | 50043 | 52765 | 47235 | 97278 | 40 |
| 70 | 50145 | 52913 | 47087 | 97233 | 30 |
| 80 | 50247 | 53060 | 46940 | 97187 | 20 |
| 90 | 50349 | 53208 | 46792 | 97141 | 10 |
| **53 00** | 50451 | 53355 | 46645 | 97096 | **47 00** |
| 10 | 50553 | 53503 | 46497 | 97050 | 90 |
| 20 | 50655 | 53651 | 46349 | 97004 | 80 |
| 30 | 50757 | 53798 | 46202 | 96959 | 70 |
| 40 | 50859 | 53946 | 46054 | 96913 | 60 |
| 50 | 50961 | 54093 | 45907 | 96867 | 50 |
| 60 | 51063 | 54241 | 45759 | 96822 | 40 |
| 70 | 51165 | 54389 | 45611 | 96776 | 30 |
| 80 | 51267 | 54536 | 45464 | 96731 | 20 |
| 90 | 51369 | 54684 | 45316 | 96685 | 10 |
| **54 00** | 51471 | 54831 | 45169 | 96639 | **46 00** |
| 10 | 51573 | 54979 | 45021 | 96594 | 90 |
| 20 | 51675 | 55127 | 44873 | 96548 | 80 |
| 30 | 51777 | 55274 | 44726 | 96502 | 70 |
| 40 | 51879 | 55422 | 44578 | 96457 | 60 |
| 50 | 51981 | 55569 | 44431 | 96411 | 50 |
| 60 | 52082 | 55717 | 44283 | 96365 | 40 |
| 70 | 52184 | 55865 | 44135 | 96320 | 30 |
| 80 | 52286 | 56012 | 43988 | 96274 | 20 |
| 90 | 52388 | 56160 | 43840 | 96228 | 10 |
| **55 00** | 52490 | 56307 | 43693 | 96183 | **45 00** |
| | **9.74** | **9.82** | **0.17** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 101 | 147 | 147 | 46 | |

| **37g** | 102 | 148 | 148 | 45 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | **9.91** | |
| **55 00** | 52490 | 56307 | 43693 | 96183 | **45 00** |
| 10 | 52592 | 56455 | 43545 | 96137 | 90 |
| 20 | 52694 | 56603 | 43397 | 96091 | 80 |
| 30 | 52796 | 56750 | 43250 | 96046 | 70 |
| 40 | 52898 | 56898 | 43102 | 96000 | 60 |
| 50 | 53000 | 57045 | 42955 | 95954 | 50 |
| 60 | 53102 | 57193 | 42807 | 95909 | 40 |
| 70 | 53204 | 57340 | 42660 | 95863 | 30 |
| 80 | 53305 | 57488 | 42512 | 95817 | 20 |
| 90 | 53407 | 57636 | 42364 | 95772 | 10 |
| **56 00** | 53509 | 57783 | 42217 | 95726 | **44 00** |
| 10 | 53611 | 57931 | 42069 | 95680 | 90 |
| 20 | 53713 | 58078 | 41922 | 95635 | 80 |
| 30 | 53815 | 58226 | 41774 | 95589 | 70 |
| 40 | 53917 | 58373 | 41627 | 95543 | 60 |
| 50 | 54019 | 58521 | 41479 | 95498 | 50 |
| 60 | 54121 | 58669 | 41331 | 95452 | 40 |
| 70 | 54222 | 58816 | 41184 | 95406 | 30 |
| 80 | 54324 | 58964 | 41036 | 95361 | 20 |
| 90 | 54426 | 59111 | 40889 | 95315 | 10 |
| **57 00** | 54528 | 59259 | 40741 | 95269 | **43 00** |
| 10 | 54630 | 59406 | 40594 | 95224 | 90 |
| 20 | 54732 | 59554 | 40446 | 95178 | 80 |
| 30 | 54834 | 59701 | 40299 | 95132 | 70 |
| 40 | 54935 | 59849 | 40151 | 95086 | 60 |
| 50 | 55037 | 59996 | 40004 | 95041 | 50 |
| 60 | 55139 | 60144 | 39856 | 94995 | 40 |
| 70 | 55241 | 60291 | 39709 | 94949 | 30 |
| 80 | 55343 | 60439 | 39561 | 94904 | 20 |
| 90 | 55445 | 60587 | 39413 | 94858 | 10 |
| **58 00** | 55546 | 60734 | 39266 | 94812 | **42 00** |
| 10 | 55648 | 60882 | 39118 | 94767 | 90 |
| 20 | 55750 | 61029 | 38971 | 94721 | 80 |
| 30 | 55852 | 61177 | 38823 | 94675 | 70 |
| 40 | 55954 | 61324 | 38676 | 94629 | 60 |
| 50 | 56055 | 61472 | 38528 | 94584 | 50 |
| 60 | 56157 | 61619 | 38381 | 94538 | 40 |
| 70 | 56259 | 61767 | 38233 | 94492 | 30 |
| 80 | 56361 | 61914 | 38086 | 94447 | 20 |
| 90 | 56463 | 62062 | 37938 | 94401 | 10 |
| **59 00** | 56564 | 62209 | 37791 | 94355 | **41 00** |
| 10 | 56666 | 62357 | 37643 | 94309 | 90 |
| 20 | 56768 | 62504 | 37496 | 94264 | 80 |
| 30 | 56870 | 62652 | 37348 | 94218 | 70 |
| 40 | 56971 | 62799 | 37201 | 94172 | 60 |
| 50 | 57073 | 62947 | 37053 | 94126 | 50 |
| 60 | 57175 | 63094 | 36906 | 94081 | 40 |
| 70 | 57277 | 63242 | 36758 | 94035 | 30 |
| 80 | 57379 | 63389 | 36611 | 93989 | 20 |
| 90 | 57480 | 63537 | 36463 | 93944 | 10 |
| **60 00** | 57582 | 63684 | 36316 | 93898 | **40 00** |
| | **9.74** | **9.82** | **0.17** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 101 | 147 | 147 | 46 | |

| | 148 | 147 | 103 | 102 | 101 | 46 | 45 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,8 | 14,7 | 10,3 | 10,2 | 10,1 | 4,6 | 4,5 | 1 |
| 2 | 29,6 | 29,4 | 20,6 | 20,4 | 20,2 | 9,2 | 9,0 | 2 |
| 3 | 44,4 | 44,1 | 30,9 | 30,6 | 30,3 | 13,8 | 13,5 | 3 |
| 4 | 59,2 | 58,8 | 41,2 | 40,8 | 40,4 | 18,4 | 18,0 | 4 |
| 5 | 74,0 | 73,5 | 51,5 | 51,0 | 50,5 | 23,0 | 22,5 | 5 |
| 6 | 88,8 | 88,2 | 61,8 | 61,2 | 60,6 | 27,6 | 27,0 | 6 |
| 7 | 103,6 | 102,9 | 72,1 | 71,4 | 70,7 | 32,2 | 31,5 | 7 |
| 8 | 118,4 | 117,6 | 82,4 | 81,6 | 80,8 | 36,8 | 36,0 | 8 |
| 9 | 133,2 | 132,3 | 92,7 | 91,8 | 90,9 | 41,4 | 40,5 | 9 |

| **37g** | 102 | 148 | 148 | 45 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | **9.91** | |
| **60 oo** | 57582 | 63684 | 36316 | 93898 | **40 oo** |
| 10 | 57684 | 63832 | 36168 | 93852 | 90 |
| 20 | 57786 | 63979 | 36021 | 93806 | 80 |
| 30 | 57887 | 64127 | 35873 | 93761 | 70 |
| 40 | 57989 | 64274 | 35726 | 93715 | 60 |
| 50 | 58091 | 64422 | 35578 | 93669 | 50 |
| 60 | 58192 | 64569 | 35431 | 93623 | 40 |
| 70 | 58294 | 64717 | 35283 | 93578 | 30 |
| 80 | 58396 | 64864 | 35136 | 93532 | 20 |
| 90 | 58498 | 65012 | 34988 | 93486 | 10 |
| **61 oo** | 58599 | 65159 | 34841 | 93440 | **39 oo** |
| 10 | 58701 | 65306 | 34694 | 93395 | 90 |
| 20 | 58803 | 65454 | 34546 | 93349 | 80 |
| 30 | 58904 | 65601 | 34399 | 93303 | 70 |
| 40 | 59006 | 65749 | 34251 | 93257 | 60 |
| 50 | 59108 | 65896 | 34104 | 93212 | 50 |
| 60 | 59210 | 66044 | 33956 | 93166 | 40 |
| 70 | 59311 | 66191 | 33809 | 93120 | 30 |
| 80 | 59413 | 66339 | 33661 | 93074 | 20 |
| 90 | 59515 | 66486 | 33514 | 93029 | 10 |
| **62 oo** | 59616 | 66634 | 33366 | 92983 | **38 oo** |
| 10 | 59718 | 66781 | 33219 | 92937 | 90 |
| 20 | 59820 | 66928 | 33072 | 92891 | 80 |
| 30 | 59921 | 67076 | 32924 | 92845 | 70 |
| 40 | 60023 | 67223 | 32777 | 92800 | 60 |
| 50 | 60125 | 67371 | 32629 | 92754 | 50 |
| 60 | 60226 | 67518 | 32482 | 92708 | 40 |
| 70 | 60328 | 67666 | 32334 | 92662 | 30 |
| 80 | 60430 | 67813 | 32187 | 92617 | 20 |
| 90 | 60531 | 67961 | 32039 | 92571 | 10 |
| **63 oo** | 60633 | 68108 | 31892 | 92525 | **37 oo** |
| 10 | 60735 | 68255 | 31745 | 92479 | 90 |
| 20 | 60836 | 68403 | 31597 | 92433 | 80 |
| 30 | 60938 | 68550 | 31450 | 92388 | 70 |
| 40 | 61040 | 68698 | 31302 | 92342 | 60 |
| 50 | 61141 | 68845 | 31155 | 92296 | 50 |
| 60 | 61243 | 68993 | 31007 | 92250 | 40 |
| 70 | 61344 | 69140 | 30860 | 92204 | 30 |
| 80 | 61446 | 69287 | 30713 | 92159 | 20 |
| 90 | 61548 | 69435 | 30565 | 92113 | 10 |
| **64 oo** | 61649 | 69582 | 30418 | 92067 | **36 oo** |
| 10 | 61751 | 69730 | 30270 | 92021 | 90 |
| 20 | 61852 | 69877 | 30123 | 91975 | 80 |
| 30 | 61954 | 70024 | 29976 | 91930 | 70 |
| 40 | 62056 | 70172 | 29828 | 91884 | 60 |
| 50 | 62157 | 70319 | 29681 | 91838 | 50 |
| 60 | 62259 | 70467 | 29533 | 91792 | 40 |
| 70 | 62360 | 70614 | 29386 | 91746 | 30 |
| 80 | 62462 | 70761 | 29239 | 91701 | 20 |
| 90 | 62564 | 70909 | 29091 | 91655 | 10 |
| **65 oo** | 62665 | 71056 | 28944 | 91609 | **35 oo** |
| | **9.74** | **9.82** | **0.17** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 101 | 147 | 147 | 46 | |

| **37g** | 102 | 148 | 148 | 45 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | **9.91** | |
| **65 oo** | 62665 | 71056 | 28944 | 91609 | **35 oo** |
| 10 | 62767 | 71204 | 28796 | 91563 | 90 |
| 20 | 62868 | 71351 | 28649 | 91517 | 80 |
| 30 | 62970 | 71498 | 28502 | 91472 | 70 |
| 40 | 63072 | 71646 | 28354 | 91426 | 60 |
| 50 | 63173 | 71793 | 28207 | 91380 | 50 |
| 60 | 63275 | 71941 | 28059 | 91334 | 40 |
| 70 | 63376 | 72088 | 27912 | 91288 | 30 |
| 80 | 63478 | 72235 | 27765 | 91242 | 20 |
| 90 | 63579 | 72383 | 27617 | 91197 | 10 |
| **66 oo** | 63681 | 72530 | 27470 | 91151 | **34 oo** |
| 10 | 63782 | 72677 | 27323 | 91105 | 90 |
| 20 | 63884 | 72825 | 27175 | 91059 | 80 |
| 30 | 63985 | 72972 | 27028 | 91013 | 70 |
| 40 | 64087 | 73120 | 26880 | 90967 | 60 |
| 50 | 64188 | 73267 | 26733 | 90922 | 50 |
| 60 | 64290 | 73414 | 26586 | 90876 | 40 |
| 70 | 64392 | 73562 | 26438 | 90830 | 30 |
| 80 | 64493 | 73709 | 26291 | 90784 | 20 |
| 90 | 64595 | 73856 | 26144 | 90738 | 10 |
| **67 oo** | 64696 | 74004 | 25996 | 90692 | **33 oo** |
| 10 | 64798 | 74151 | 25849 | 90647 | 90 |
| 20 | 64899 | 74298 | 25702 | 90601 | 80 |
| 30 | 65001 | 74446 | 25554 | 90555 | 70 |
| 40 | 65102 | 74593 | 25407 | 90509 | 60 |
| 50 | 65204 | 74740 | 25260 | 90463 | 50 |
| 60 | 65305 | 74888 | 25112 | 90417 | 40 |
| 70 | 65407 | 75035 | 24965 | 90371 | 30 |
| 80 | 65508 | 75182 | 24818 | 90326 | 20 |
| 90 | 65610 | 75330 | 24670 | 90280 | 10 |
| **68 oo** | 65711 | 75477 | 24523 | 90234 | **32 oo** |
| 10 | 65812 | 75624 | 24376 | 90188 | 90 |
| 20 | 65914 | 75772 | 24228 | 90142 | 80 |
| 30 | 66015 | 75919 | 24081 | 90096 | 70 |
| 40 | 66117 | 76066 | 23934 | 90050 | 60 |
| 50 | 66218 | 76214 | 23786 | 90005 | 50 |
| 60 | 66320 | 76361 | 23639 | 89959 | 40 |
| 70 | 66421 | 76508 | 23492 | 89913 | 30 |
| 80 | 66523 | 76656 | 23344 | 89867 | 20 |
| 90 | 66624 | 76803 | 23197 | 89821 | 10 |
| **69 oo** | 66726 | 76950 | 23050 | 89775 | **31 oo** |
| 10 | 66827 | 77098 | 22902 | 89729 | 90 |
| 20 | 66928 | 77245 | 22755 | 89683 | 80 |
| 30 | 67030 | 77392 | 22608 | 89638 | 70 |
| 40 | 67131 | 77540 | 22460 | 89592 | 60 |
| 50 | 67233 | 77687 | 22313 | 89546 | 50 |
| 60 | 67334 | 77834 | 22166 | 89500 | 40 |
| 70 | 67436 | 77982 | 22018 | 89454 | 30 |
| 80 | 67537 | 78129 | 21871 | 89408 | 20 |
| 90 | 67638 | 78276 | 21724 | 89362 | 10 |
| **70 oo** | 67740 | 78424 | 21576 | 89316 | **30 oo** |
| | **9.74** | **9.82** | **0.17** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 101 | 147 | 147 | 46 | |

| | 148 | 147 | 102 | 101 | 46 | 45 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,8 | 14,7 | 10,2 | 10,1 | 4,6 | 4,5 | 1 |
| 2 | 29,6 | 29,4 | 20,4 | 20,2 | 9,2 | 9,0 | 2 |
| 3 | 44,4 | 44,1 | 30,6 | 30,3 | 13,8 | 13,5 | 3 |
| 4 | 59,2 | 58,8 | 40,8 | 40,4 | 18,4 | 18,0 | 4 |
| 5 | 74,0 | 73,5 | 51,0 | 50,5 | 23,0 | 22,5 | 5 |
| 6 | 88,8 | 88,2 | 61,2 | 60,6 | 27,6 | 27,0 | 6 |
| 7 | 103,6 | 102,9 | 71,4 | 70,7 | 32,2 | 31,5 | 7 |
| 8 | 118,4 | 117,6 | 81,6 | 80,8 | 36,8 | 36,0 | 8 |
| 9 | 133,2 | 132,3 | 91,8 | 90,9 | 41,4 | 40,5 | 9 |

| **37g** | 102 | 148 | 148 | 45 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | **9.91** | |
| **70 oo** | 67740 | 78424 | 21576 | 89316 | **30 oo** |
| 10 | 67841 | 78571 | 21429 | 89270 | 90 |
| 20 | 67943 | 78718 | 21282 | 89225 | 80 |
| 30 | 68044 | 78865 | 21135 | 89179 | 70 |
| 40 | 68145 | 79013 | 20987 | 89133 | 60 |
| 50 | 68247 | 79160 | 20840 | 89087 | 50 |
| 60 | 68348 | 79307 | 20693 | 89041 | 40 |
| 70 | 68450 | 79455 | 20545 | 88995 | 30 |
| 80 | 68551 | 79602 | 20398 | 88949 | 20 |
| 90 | 68652 | 79749 | 20251 | 88903 | 10 |
| **71 oo** | 68754 | 79896 | 20104 | 88857 | **29 oo** |
| 10 | 68855 | 80044 | 19956 | 88811 | 90 |
| 20 | 68956 | 80191 | 19809 | 88765 | 80 |
| 30 | 69058 | 80338 | 19662 | 88720 | 70 |
| 40 | 69159 | 80485 | 19515 | 88674 | 60 |
| 50 | 69260 | 80633 | 19367 | 88628 | 50 |
| 60 | 69362 | 80780 | 19220 | 88582 | 40 |
| 70 | 69463 | 80927 | 19073 | 88536 | 30 |
| 80 | 69565 | 81075 | 18925 | 88490 | 20 |
| 90 | 69666 | 81222 | 18778 | 88444 | 10 |
| **72 oo** | 69767 | 81369 | 18631 | 88398 | **28 oo** |
| 10 | 69869 | 81516 | 18484 | 88352 | 90 |
| 20 | 69970 | 81664 | 18336 | 88306 | 80 |
| 30 | 70071 | 81811 | 18189 | 88260 | 70 |
| 40 | 70173 | 81958 | 18042 | 88214 | 60 |
| 50 | 70274 | 82105 | 17895 | 88168 | 50 |
| 60 | 70375 | 82253 | 17747 | 88123 | 40 |
| 70 | 70477 | 82400 | 17600 | 88077 | 30 |
| 80 | 70578 | 82547 | 17453 | 88031 | 20 |
| 90 | 70679 | 82694 | 17306 | 87985 | 10 |
| **73 oo** | 70780 | 82842 | 17158 | 87939 | **27 oo** |
| 10 | 70882 | 82989 | 17011 | 87893 | 90 |
| 20 | 70983 | 83136 | 16864 | 87847 | 80 |
| 30 | 71084 | 83283 | 16717 | 87801 | 70 |
| 40 | 71186 | 83431 | 16569 | 87755 | 60 |
| 50 | 71287 | 83578 | 16422 | 87709 | 50 |
| 60 | 71388 | 83725 | 16275 | 87663 | 40 |
| 70 | 71489 | 83872 | 16128 | 87617 | 30 |
| 80 | 71591 | 84019 | 15981 | 87571 | 20 |
| 90 | 71692 | 84167 | 15833 | 87525 | 10 |
| **74 oo** | 71793 | 84314 | 15686 | 87479 | **26 oo** |
| 10 | 71895 | 84461 | 15539 | 87433 | 90 |
| 20 | 71996 | 84608 | 15392 | 87387 | 80 |
| 30 | 72097 | 84756 | 15244 | 87341 | 70 |
| 40 | 72198 | 84903 | 15097 | 87296 | 60 |
| 50 | 72300 | 85050 | 14950 | 87250 | 50 |
| 60 | 72401 | 85197 | 14803 | 87204 | 40 |
| 70 | 72502 | 85344 | 14656 | 87158 | 30 |
| 80 | 72603 | 85492 | 14508 | 87112 | 20 |
| 90 | 72705 | 85639 | 14361 | 87066 | 10 |
| **75 oo** | 72806 | 85786 | 14214 | 87020 | **25 oo** |
| | **9.74** | **9.82** | **0.17** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 101 | 147 | 147 | 46 | |

| **37g** | 102 | 148 | 148 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | **9.91** | |
| **75 oo** | 72806 | 85786 | 14214 | 87020 | **25 oo** |
| 10 | 72907 | 85933 | 14067 | 86974 | 90 |
| 20 | 73008 | 86080 | 13920 | 86928 | 80 |
| 30 | 73109 | 86228 | 13772 | 86882 | 70 |
| 40 | 73211 | 86375 | 13625 | 86836 | 60 |
| 50 | 73312 | 86522 | 13478 | 86790 | 50 |
| 60 | 73413 | 86669 | 13331 | 86744 | 40 |
| 70 | 73514 | 86816 | 13184 | 86698 | 30 |
| 80 | 73616 | 86964 | 13036 | 86652 | 20 |
| 90 | 73717 | 87111 | 12889 | 86606 | 10 |
| **76 oo** | 73818 | 87258 | 12742 | 86560 | **24 oo** |
| 10 | 73919 | 87405 | 12595 | 86514 | 90 |
| 20 | 74020 | 87552 | 12448 | 86468 | 80 |
| 30 | 74122 | 87700 | 12300 | 86422 | 70 |
| 40 | 74223 | 87847 | 12153 | 86376 | 60 |
| 50 | 74324 | 87994 | 12006 | 86330 | 50 |
| 60 | 74425 | 88141 | 11859 | 86284 | 40 |
| 70 | 74526 | 88288 | 11712 | 86238 | 30 |
| 80 | 74627 | 88435 | 11565 | 86192 | 20 |
| 90 | 74729 | 88583 | 11417 | 86146 | 10 |
| **77 oo** | 74830 | 88730 | 11270 | 86100 | **23 oo** |
| 10 | 74931 | 88877 | 11123 | 86054 | 90 |
| 20 | 75032 | 89024 | 10976 | 86008 | 80 |
| 30 | 75133 | 89171 | 10829 | 85962 | 70 |
| 40 | 75234 | 89318 | 10682 | 85916 | 60 |
| 50 | 75336 | 89466 | 10534 | 85870 | 50 |
| 60 | 75437 | 89613 | 10387 | 85824 | 40 |
| 70 | 75538 | 89760 | 10240 | 85778 | 30 |
| 80 | 75639 | 89907 | 10093 | 85732 | 20 |
| 90 | 75740 | 90054 | 09946 | 85686 | 10 |
| **78 oo** | 75841 | 90201 | 09799 | 85640 | **22 oo** |
| 10 | 75942 | 90349 | 09651 | 85594 | 90 |
| 20 | 76044 | 90496 | 09504 | 85548 | 80 |
| 30 | 76145 | 90643 | 09357 | 85502 | 70 |
| 40 | 76246 | 90790 | 09210 | 85456 | 60 |
| 50 | 76347 | 90937 | 09063 | 85410 | 50 |
| 60 | 76448 | 91084 | 08916 | 85364 | 40 |
| 70 | 76549 | 91231 | 08769 | 85318 | 30 |
| 80 | 76650 | 91379 | 08621 | 85272 | 20 |
| 90 | 76751 | 91526 | 08474 | 85226 | 10 |
| **79 oo** | 76852 | 91673 | 08327 | 85180 | **21 oo** |
| 10 | 76953 | 91820 | 08180 | 85134 | 90 |
| 20 | 77055 | 91967 | 08033 | 85088 | 80 |
| 30 | 77156 | 92114 | 07886 | 85042 | 70 |
| 40 | 77257 | 92261 | 07739 | 84995 | 60 |
| 50 | 77358 | 92408 | 07592 | 84949 | 50 |
| 60 | 77459 | 92556 | 07444 | 84903 | 40 |
| 70 | 77560 | 92703 | 07297 | 84857 | 30 |
| 80 | 77661 | 92850 | 07150 | 84811 | 20 |
| 90 | 77762 | 92997 | 07003 | 84765 | 10 |
| **80 oo** | 77863 | 93144 | 06856 | 84719 | **20 oo** |
| | **9.74** | **9.82** | **0.17** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 101 | 147 | 147 | 47 | |

| | 148 | 147 | 102 | 101 | 47 | 46 | 45 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,8 | 14,7 | 10,2 | 10,1 | 4,7 | 4,6 | 4,5 | 1 |
| 2 | 29,6 | 29,4 | 20,4 | 20,2 | 9,4 | 9,2 | 9,0 | 2 |
| 3 | 44,4 | 44,1 | 30,6 | 30,3 | 14,1 | 13,8 | 13,5 | 3 |
| 4 | 59,2 | 58,8 | 40,8 | 40,4 | 18,8 | 18,4 | 18,0 | 4 |
| 5 | 74,0 | 73,5 | 51,0 | 50,5 | 23,5 | 23,0 | 22,5 | 5 |
| 6 | 88,8 | 88,2 | 61,2 | 60,6 | 28,2 | 27,6 | 27,0 | 6 |
| 7 | 103,6 | 102,9 | 71,4 | 70,7 | 32,9 | 32,2 | 31,5 | 7 |
| 8 | 118,4 | 117,6 | 81,6 | 80,8 | 37,6 | 36,8 | 36,0 | 8 |
| 9 | 133,2 | 132,3 | 91,8 | 90,9 | 42,3 | 41,4 | 40,5 | 9 |

| 37g | 102 | 148 | 148 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.82** | **0.17** | **9.91** | |
| **80 oo** | 77863 | 93144 | 06856 | 84719 | **20 oo** |
| 10 | 77964 | 93291 | 06709 | 84673 | 90 |
| 20 | 78065 | 93438 | 06562 | 84627 | 80 |
| 30 | 78166 | 93585 | 06415 | 84581 | 70 |
| 40 | 78267 | 93732 | 06268 | 84535 | 60 |
| 50 | 78368 | 93880 | 06120 | 84489 | 50 |
| 60 | 78470 | 94027 | 05973 | 84443 | 40 |
| 70 | 78571 | 94174 | 05826 | 84397 | 30 |
| 80 | 78672 | 94321 | 05679 | 84351 | 20 |
| 90 | 78773 | 94468 | 05532 | 84305 | 10 |
| **81 oo** | 78874 | 94615 | 05385 | 84259 | **19 oo** |
| 10 | 78975 | 94762 | 05238 | 84213 | 90 |
| 20 | 79076 | 94909 | 05091 | 84167 | 80 |
| 30 | 79177 | 95056 | 04944 | 84120 | 70 |
| 40 | 79278 | 95203 | 04797 | 84074 | 60 |
| 50 | 79379 | 95350 | 04650 | 84028 | 50 |
| 60 | 79480 | 95498 | 04502 | 83982 | 40 |
| 70 | 79581 | 95645 | 04355 | 83936 | 30 |
| 80 | 79682 | 95792 | 04208 | 83890 | 20 |
| 90 | 79783 | 95939 | 04061 | 83844 | 10 |
| **82 oo** | 79884 | 96086 | 03914 | 83798 | **18 oo** |
| 10 | 79985 | 96233 | 03767 | 83752 | 90 |
| 20 | 80086 | 96380 | 03620 | 83706 | 80 |
| 30 | 80187 | 96527 | 03473 | 83660 | 70 |
| 40 | 80288 | 96674 | 03326 | 83614 | 60 |
| 50 | 80389 | 96821 | 03179 | 83568 | 50 |
| 60 | 80490 | 96968 | 03032 | 83521 | 40 |
| 70 | 80591 | 97115 | 02885 | 83475 | 30 |
| 80 | 80692 | 97262 | 02738 | 83429 | 20 |
| 90 | 80793 | 97409 | 02591 | 83383 | 10 |
| **83 oo** | 80894 | 97556 | 02444 | 83337 | **17 oo** |
| 10 | 80994 | 97704 | 02296 | 83291 | 90 |
| 20 | 81095 | 97851 | 02149 | 83245 | 80 |
| 30 | 81196 | 97998 | 02002 | 83199 | 70 |
| 40 | 81297 | 98145 | 01855 | 83153 | 60 |
| 50 | 81398 | 98292 | 01708 | 83107 | 50 |
| 60 | 81499 | 98439 | 01561 | 83060 | 40 |
| 70 | 81600 | 98586 | 01414 | 83014 | 30 |
| 80 | 81701 | 98733 | 01267 | 82968 | 20 |
| 90 | 81802 | 98880 | 01120 | 82922 | 10 |
| **84 oo** | 81903 | 99027 | 00973 | 82876 | **16 oo** |
| 10 | 82004 | 99174 | 00826 | 82830 | 90 |
| 20 | 82105 | 99321 | 00679 | 82784 | 80 |
| 30 | 82206 | 99468 | 00532 | 82738 | 70 |
| 40 | 82307 | 99615 | 00385 | 82692 | 60 |
| 50 | 82408 | 99762 | 00238 | 82645 | 50 |
| 60 | 82508 | 99909 | 00091 | 82599 | 40 |
| 70 | 82609 | ∗00056 | ∗99944 | 82553 | 30 |
| 80 | 82710 | ∗00203 | ∗99797 | 82507 | 20 |
| 90 | 82811 | ∗00350 | ∗99650 | 82461 | 10 |
| **85 oo** | 82912 | ∗00497 | ∗99503 | 82415 | **15 oo** |
| | **9.74** | **∗9.83** | **∗0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 100 | 147 | 147 | 47 | |

| 37g | 101 | 147 | 147 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.83** | **0.16** | **9.91** | |
| **85 oo** | 82912 | 00497 | 99503 | 82415 | **15 oo** |
| 10 | 83013 | 00644 | 99356 | 82369 | 90 |
| 20 | 83114 | 00791 | 99209 | 82323 | 80 |
| 30 | 83215 | 00938 | 99062 | 82276 | 70 |
| 40 | 83316 | 01085 | 98915 | 82230 | 60 |
| 50 | 83416 | 01232 | 98768 | 82184 | 50 |
| 60 | 83517 | 01379 | 98621 | 82138 | 40 |
| 70 | 83618 | 01526 | 98474 | 82092 | 30 |
| 80 | 83719 | 01673 | 98327 | 82046 | 20 |
| 90 | 83820 | 01820 | 98180 | 82000 | 10 |
| **86 oo** | 83921 | 01967 | 98033 | 81953 | **14 oo** |
| 10 | 84022 | 02114 | 97886 | 81907 | 90 |
| 20 | 84122 | 02261 | 97739 | 81861 | 80 |
| 30 | 84223 | 02408 | 97592 | 81815 | 70 |
| 40 | 84324 | 02555 | 97445 | 81769 | 60 |
| 50 | 84425 | 02702 | 97298 | 81723 | 50 |
| 60 | 84526 | 02849 | 97151 | 81677 | 40 |
| 70 | 84627 | 02996 | 97004 | 81630 | 30 |
| 80 | 84728 | 03143 | 96857 | 81584 | 20 |
| 90 | 84828 | 03290 | 96710 | 81538 | 10 |
| **87 oo** | 84929 | 03437 | 96563 | 81492 | **13 oo** |
| 10 | 85030 | 03584 | 96416 | 81446 | 90 |
| 20 | 85131 | 03731 | 96269 | 81400 | 80 |
| 30 | 85232 | 03878 | 96122 | 81353 | 70 |
| 40 | 85332 | 04025 | 95975 | 81307 | 60 |
| 50 | 85433 | 04172 | 95828 | 81261 | 50 |
| 60 | 85534 | 04319 | 95681 | 81215 | 40 |
| 70 | 85635 | 04466 | 95534 | 81169 | 30 |
| 80 | 85736 | 04613 | 95387 | 81123 | 20 |
| 90 | 85836 | 04760 | 95240 | 81076 | 10 |
| **88 oo** | 85937 | 04907 | 95093 | 81030 | **12 oo** |
| 10 | 86038 | 05054 | 94946 | 80984 | 90 |
| 20 | 86139 | 05201 | 94799 | 80938 | 80 |
| 30 | 86240 | 05348 | 94652 | 80892 | 70 |
| 40 | 86340 | 05495 | 94505 | 80846 | 60 |
| 50 | 86441 | 05642 | 94358 | 80799 | 50 |
| 60 | 86542 | 05789 | 94211 | 80753 | 40 |
| 70 | 86643 | 05936 | 94064 | 80707 | 30 |
| 80 | 86743 | 06083 | 93917 | 80661 | 20 |
| 90 | 86844 | 06230 | 93770 | 80615 | 10 |
| **89 oo** | 86945 | 06376 | 93624 | 80568 | **11 oo** |
| 10 | 87046 | 06523 | 93477 | 80522 | 90 |
| 20 | 87146 | 06670 | 93330 | 80476 | 80 |
| 30 | 87247 | 06817 | 93183 | 80430 | 70 |
| 40 | 87348 | 06964 | 93036 | 80384 | 60 |
| 50 | 87449 | 07111 | 92889 | 80338 | 50 |
| 60 | 87549 | 07258 | 92742 | 80291 | 40 |
| 70 | 87650 | 07405 | 92595 | 80245 | 30 |
| 80 | 87751 | 07552 | 92448 | 80199 | 20 |
| 90 | 87852 | 07699 | 92301 | 80153 | 10 |
| **90 oo** | 87952 | 07846 | 92154 | 80107 | **10 oo** |
| | **9.74** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 100 | 146 | 146 | 47 | |

| | 148 | 147 | 146 | 102 | 101 | 100 | 47 | 46 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14,8 | 14,7 | 14,6 | 10,2 | 10,1 | 10,0 | 4,7 | 4,6 | 1 |
| 2 | 29,6 | 29,4 | 29,2 | 20,4 | 20,2 | 20,0 | 9,4 | 9,2 | 2 |
| 3 | 44,4 | 44,1 | 43,8 | 30,6 | 30,3 | 30,0 | 14,1 | 13,8 | 3 |
| 4 | 59,2 | 58,8 | 58,4 | 40,8 | 40,4 | 40,0 | 18,8 | 18,4 | 4 |
| 5 | 74,0 | 73,5 | 73,0 | 51,0 | 50,5 | 50,0 | 23,5 | 23,0 | 5 |
| 6 | 88,8 | 88,2 | 87,6 | 61,2 | 60,6 | 60,0 | 28,2 | 27,6 | 6 |
| 7 | 103,6 | 102,9 | 102,2 | 71,4 | 70,7 | 70,0 | 32,9 | 32,2 | 7 |
| 8 | 118,4 | 117,6 | 116,8 | 81,6 | 80,8 | 80,0 | 37,6 | 36,8 | 8 |
| 9 | 133,2 | 132,3 | 131,4 | 91,8 | 90,9 | 90,0 | 42,3 | 41,4 | 9 |

| 37g | 101 | 147 | 147 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.83** | **0.16** | **9.91** | |
| **90 00** | 87952 | 07846 | 92154 | 80107 | **10 00** |
| 10 | 88053 | 07993 | 92007 | 80060 | 90 |
| 20 | 88154 | 08140 | 91860 | 80014 | 80 |
| 30 | 88254 | 08287 | 91713 | 79968 | 70 |
| 40 | 88355 | 08434 | 91566 | 79922 | 60 |
| 50 | 88456 | 08580 | 91420 | 79875 | 50 |
| 60 | 88557 | 08727 | 91273 | 79829 | 40 |
| 70 | 88657 | 08874 | 91126 | 79783 | 30 |
| 80 | 88758 | 09021 | 90979 | 79737 | 20 |
| 90 | 88859 | 09168 | 90832 | 79691 | 10 |
| **91 00** | 88959 | 09315 | 90685 | 79644 | **09 00** |
| 10 | 89060 | 09462 | 90538 | 79598 | 90 |
| 20 | 89161 | 09609 | 90391 | 79552 | 80 |
| 30 | 89261 | 09756 | 90244 | 79506 | 70 |
| 40 | 89362 | 09903 | 90097 | 79460 | 60 |
| 50 | 89463 | 10049 | 89951 | 79413 | 50 |
| 60 | 89563 | 10196 | 89804 | 79367 | 40 |
| 70 | 89664 | 10343 | 89657 | 79321 | 30 |
| 80 | 89765 | 10490 | 89510 | 79275 | 20 |
| 90 | 89865 | 10637 | 89363 | 79228 | 10 |
| **92 00** | 89966 | 10784 | 89216 | 79182 | **08 00** |
| 10 | 90067 | 10931 | 89069 | 79136 | 90 |
| 20 | 90167 | 11078 | 88922 | 79090 | 80 |
| 30 | 90268 | 11225 | 88775 | 79043 | 70 |
| 40 | 90369 | 11372 | 88628 | 78997 | 60 |
| 50 | 90469 | 11518 | 88482 | 78951 | 50 |
| 60 | 90570 | 11665 | 88335 | 78905 | 40 |
| 70 | 90671 | 11812 | 88188 | 78858 | 30 |
| 80 | 90771 | 11959 | 88041 | 78812 | 20 |
| 90 | 90872 | 12106 | 87894 | 78766 | 10 |
| **93 00** | 90972 | 12253 | 87747 | 78720 | **07 00** |
| 10 | 91073 | 12400 | 87600 | 78673 | 90 |
| 20 | 91174 | 12547 | 87453 | 78627 | 80 |
| 30 | 91274 | 12693 | 87307 | 78581 | 70 |
| 40 | 91375 | 12840 | 87160 | 78535 | 60 |
| 50 | 91475 | 12987 | 87013 | 78488 | 50 |
| 60 | 91576 | 13134 | 86866 | 78442 | 40 |
| 70 | 91677 | 13281 | 86719 | 78396 | 30 |
| 80 | 91777 | 13428 | 86572 | 78350 | 20 |
| 90 | 91878 | 13575 | 86425 | 78303 | 10 |
| **94 00** | 91978 | 13721 | 86279 | 78257 | **06 00** |
| 10 | 92079 | 13868 | 86132 | 78211 | 90 |
| 20 | 92180 | 14015 | 85985 | 78165 | 80 |
| 30 | 92280 | 14162 | 85838 | 78118 | 70 |
| 40 | 92381 | 14309 | 85691 | 78072 | 60 |
| 50 | 92481 | 14456 | 85544 | 78026 | 50 |
| 60 | 92582 | 14602 | 85398 | 77979 | 40 |
| 70 | 92682 | 14749 | 85251 | 77933 | 30 |
| 80 | 92783 | 14896 | 85104 | 77887 | 20 |
| 90 | 92884 | 15043 | 84957 | 77841 | 10 |
| **95 00** | 92984 | 15190 | 84810 | 77794 | **05 00** |
| | **9.74** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 100 | 146 | 146 | 47 | |

| 37g | 101 | 147 | 147 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.74** | **9.83** | **0.16** | **9.91** | |
| **95 00** | 92984 | 15190 | 84810 | 77794 | **05 00** |
| 10 | 93085 | 15337 | 84663 | 77748 | 90 |
| 20 | 93185 | 15483 | 84517 | 77702 | 80 |
| 30 | 93286 | 15630 | 84370 | 77655 | 70 |
| 40 | 93386 | 15777 | 84223 | 77609 | 60 |
| 50 | 93487 | 15924 | 84076 | 77563 | 50 |
| 60 | 93587 | 16071 | 83929 | 77517 | 40 |
| 70 | 93688 | 16218 | 83782 | 77470 | 30 |
| 80 | 93788 | 16364 | 83636 | 77424 | 20 |
| 90 | 93889 | 16511 | 83489 | 77378 | 10 |
| **96 00** | 93989 | 16658 | 83342 | 77331 | **04 00** |
| 10 | 94090 | 16805 | 83195 | 77285 | 90 |
| 20 | 94190 | 16952 | 83048 | 77239 | 80 |
| 30 | 94291 | 17098 | 82902 | 77193 | 70 |
| 40 | 94392 | 17245 | 82755 | 77146 | 60 |
| 50 | 94492 | 17392 | 82608 | 77100 | 50 |
| 60 | 94593 | 17539 | 82461 | 77054 | 40 |
| 70 | 94693 | 17686 | 82314 | 77007 | 30 |
| 80 | 94793 | 17833 | 82167 | 76961 | 20 |
| 90 | 94894 | 17979 | 82021 | 76915 | 10 |
| **97 00** | 94994 | 18126 | 81874 | 76868 | **03 00** |
| 10 | 95095 | 18273 | 81727 | 76822 | 90 |
| 20 | 95195 | 18420 | 81580 | 76776 | 80 |
| 30 | 95296 | 18567 | 81433 | 76729 | 70 |
| 40 | 95396 | 18713 | 81287 | 76683 | 60 |
| 50 | 95497 | 18860 | 81140 | 76637 | 50 |
| 60 | 95597 | 19007 | 80993 | 76590 | 40 |
| 70 | 95698 | 19154 | 80846 | 76544 | 30 |
| 80 | 95798 | 19300 | 80700 | 76498 | 20 |
| 90 | 95899 | 19447 | 80553 | 76451 | 10 |
| **98 00** | 95999 | 19594 | 80406 | 76405 | **02 00** |
| 10 | 96100 | 19741 | 80259 | 76359 | 90 |
| 20 | 96200 | 19888 | 80112 | 76312 | 80 |
| 30 | 96300 | 20034 | 79966 | 76266 | 70 |
| 40 | 96401 | 20181 | 79819 | 76220 | 60 |
| 50 | 96501 | 20328 | 79672 | 76173 | 50 |
| 60 | 96602 | 20475 | 79525 | 76127 | 40 |
| 70 | 96702 | 20621 | 79379 | 76081 | 30 |
| 80 | 96803 | 20768 | 79232 | 76034 | 20 |
| 90 | 96903 | 20915 | 79085 | 75988 | 10 |
| **99 00** | 97003 | 21062 | 78938 | 75942 | **01 00** |
| 10 | 97104 | 21208 | 78792 | 75895 | 90 |
| 20 | 97204 | 21355 | 78645 | 75849 | 80 |
| 30 | 97305 | 21502 | 78498 | 75803 | 70 |
| 40 | 97405 | 21649 | 78351 | 75756 | 60 |
| 50 | 97505 | 21795 | 78205 | 75710 | 50 |
| 60 | 97606 | 21942 | 78058 | 75664 | 40 |
| 70 | 97706 | 22089 | 77911 | 75617 | 30 |
| 80 | 97807 | 22236 | 77764 | 75571 | 20 |
| 90 | 97907 | 22382 | 77618 | 75525 | 10 |
| **100 00** | 98007 | 22529 | 77471 | 75478 | **00 00** |
| | **9.74** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **62g** |
| | 100 | 146 | 146 | 47 | |

| | 147 | 146 | 101 | 100 | 47 | 46 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,7 | 14,6 | 10,1 | 10,0 | 4,7 | 4,6 | 1 |
| 2 | 29,4 | 29,2 | 20,2 | 20,0 | 9,4 | 9,2 | 2 |
| 3 | 44,1 | 43,8 | 30,3 | 30,0 | 14,1 | 13,8 | 3 |
| 4 | 58,8 | 58,4 | 40,4 | 40,0 | 18,8 | 18,4 | 4 |
| 5 | 73,5 | 73,0 | 50,5 | 50,0 | 23,5 | 23,0 | 5 |
| 6 | 88,2 | 87,6 | 60,6 | 60,0 | 28,2 | 27,6 | 6 |
| 7 | 102,9 | 102,2 | 70,7 | 70,0 | 32,9 | 32,2 | 7 |
| 8 | 117,6 | 116,8 | 80,8 | 80,0 | 37,6 | 36,8 | 8 |
| 9 | 132,3 | 131,4 | 90,9 | 90,0 | 42,3 | 41,4 | 9 |

| 38g | 101 | 147 | 147 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ***9.74** | **9.83** | **0.16** | **9.91** | |
| **00 oo** | *98007 | 22529 | 77471 | 75478 | **100 oo** |
| 10 | *98108 | 22676 | 77324 | 75432 | 90 |
| 20 | *98208 | 22823 | 77177 | 75385 | 80 |
| 30 | *98309 | 22969 | 77031 | 75339 | 70 |
| 40 | *98409 | 23116 | 76884 | 75293 | 60 |
| 50 | *98509 | 23263 | 76737 | 75246 | 50 |
| 60 | *98610 | 23410 | 76590 | 75200 | 40 |
| 70 | *98710 | 23556 | 76444 | 75154 | 30 |
| 80 | *98810 | 23703 | 76297 | 75107 | 20 |
| 90 | *98911 | 23850 | 76150 | 75061 | 10 |
| **01 oo** | *99011 | 23997 | 76003 | 75015 | **99 oo** |
| 10 | *99111 | 24143 | 75857 | 74968 | 90 |
| 20 | *99212 | 24290 | 75710 | 74922 | 80 |
| 30 | *99312 | 24437 | 75563 | 74875 | 70 |
| 40 | *99412 | 24583 | 75417 | 74829 | 60 |
| 50 | *99513 | 24730 | 75270 | 74783 | 50 |
| 60 | *99613 | 24877 | 75123 | 74736 | 40 |
| 70 | *99713 | 25024 | 74976 | 74690 | 30 |
| 80 | *99814 | 25170 | 74830 | 74643 | 20 |
| 90 | *99914 | 25317 | 74683 | 74597 | 10 |
| **02 oo** | 00014 | 25464 | 74536 | 74551 | **98 oo** |
| 10 | 00115 | 25610 | 74390 | 74504 | 90 |
| 20 | 00215 | 25757 | 74243 | 74458 | 80 |
| 30 | 00315 | 25904 | 74096 | 74411 | 70 |
| 40 | 00416 | 26051 | 73949 | 74365 | 60 |
| 50 | 00516 | 26197 | 73803 | 74319 | 50 |
| 60 | 00616 | 26344 | 73656 | 74272 | 40 |
| 70 | 00716 | 26491 | 73509 | 74226 | 30 |
| 80 | 00817 | 26637 | 73363 | 74179 | 20 |
| 90 | 00917 | 26784 | 73216 | 74133 | 10 |
| **03 oo** | 01017 | 26931 | 73069 | 74087 | **97 oo** |
| 10 | 01118 | 27077 | 72923 | 74040 | 90 |
| 20 | 01218 | 27224 | 72776 | 73994 | 80 |
| 30 | 01318 | 27371 | 72629 | 73947 | 70 |
| 40 | 01418 | 27517 | 72483 | 73901 | 60 |
| 50 | 01519 | 27664 | 72336 | 73855 | 50 |
| 60 | 01619 | 27811 | 72189 | 73808 | 40 |
| 70 | 01719 | 27957 | 72043 | 73762 | 30 |
| 80 | 01819 | 28104 | 71896 | 73715 | 20 |
| 90 | 01920 | 28251 | 71749 | 73669 | 10 |
| **04 oo** | 02020 | 28397 | 71603 | 73622 | **96 oo** |
| 10 | 02120 | 28544 | 71456 | 73576 | 90 |
| 20 | 02220 | 28691 | 71309 | 73530 | 80 |
| 30 | 02321 | 28837 | 71163 | 73483 | 70 |
| 40 | 02421 | 28984 | 71016 | 73437 | 60 |
| 50 | 02521 | 29131 | 70869 | 73390 | 50 |
| 60 | 02621 | 29277 | 70723 | 73344 | 40 |
| 70 | 02722 | 29424 | 70576 | 73297 | 30 |
| 80 | 02822 | 29571 | 70429 | 73251 | 20 |
| 90 | 02922 | 29717 | 70283 | 73205 | 10 |
| **05 oo** | 03022 | 29864 | 70136 | 73158 | **95 oo** |
| | **9.75** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **61g** |
| | 100 | 146 | 146 | 47 | |

| 38g | 101 | 147 | 147 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.83** | **0.16** | **9.91** | |
| **05 oo** | 03022 | 29864 | 70136 | 73158 | **95 oo** |
| 10 | 03122 | 30011 | 69989 | 73112 | 90 |
| 20 | 03223 | 30157 | 69843 | 73065 | 80 |
| 30 | 03323 | 30304 | 69696 | 73019 | 70 |
| 40 | 03423 | 30451 | 69549 | 72972 | 60 |
| 50 | 03523 | 30597 | 69403 | 72926 | 50 |
| 60 | 03623 | 30744 | 69256 | 72880 | 40 |
| 70 | 03724 | 30891 | 69109 | 72833 | 30 |
| 80 | 03824 | 31037 | 68963 | 72787 | 20 |
| 90 | 03924 | 31184 | 68816 | 72740 | 10 |
| **06 oo** | 04024 | 31330 | 68670 | 72694 | **94 oo** |
| 10 | 04124 | 31477 | 68523 | 72647 | 90 |
| 20 | 04225 | 31624 | 68376 | 72601 | 80 |
| 30 | 04325 | 31770 | 68230 | 72554 | 70 |
| 40 | 04425 | 31917 | 68083 | 72508 | 60 |
| 50 | 04525 | 32064 | 67936 | 72461 | 50 |
| 60 | 04625 | 32210 | 67790 | 72415 | 40 |
| 70 | 04725 | 32357 | 67643 | 72368 | 30 |
| 80 | 04825 | 32503 | 67497 | 72322 | 20 |
| 90 | 04926 | 32650 | 67350 | 72276 | 10 |
| **07 oo** | 05026 | 32797 | 67203 | 72229 | **93 oo** |
| 10 | 05126 | 32943 | 67057 | 72183 | 90 |
| 20 | 05226 | 33090 | 66910 | 72136 | 80 |
| 30 | 05326 | 33237 | 66763 | 72090 | 70 |
| 40 | 05426 | 33383 | 66617 | 72043 | 60 |
| 50 | 05526 | 33530 | 66470 | 71997 | 50 |
| 60 | 05627 | 33676 | 66324 | 71950 | 40 |
| 70 | 05727 | 33823 | 66177 | 71904 | 30 |
| 80 | 05827 | 33970 | 66030 | 71857 | 20 |
| 90 | 05927 | 34116 | 65884 | 71811 | 10 |
| **08 oo** | 06027 | 34263 | 65737 | 71764 | **92 oo** |
| 10 | 06127 | 34409 | 65591 | 71718 | 90 |
| 20 | 06227 | 34556 | 65444 | 71671 | 80 |
| 30 | 06327 | 34703 | 65297 | 71625 | 70 |
| 40 | 06427 | 34849 | 65151 | 71578 | 60 |
| 50 | 06528 | 34996 | 65004 | 71532 | 50 |
| 60 | 06628 | 35142 | 64858 | 71485 | 40 |
| 70 | 06728 | 35289 | 64711 | 71439 | 30 |
| 80 | 06828 | 35436 | 64564 | 71392 | 20 |
| 90 | 06928 | 35582 | 64418 | 71346 | 10 |
| **09 oo** | 07028 | 35729 | 64271 | 71299 | **91 oo** |
| 10 | 07128 | 35875 | 64125 | 71253 | 90 |
| 20 | 07228 | 36022 | 63978 | 71206 | 80 |
| 30 | 07328 | 36168 | 63832 | 71160 | 70 |
| 40 | 07428 | 36315 | 63685 | 71113 | 60 |
| 50 | 07528 | 36462 | 63538 | 71067 | 50 |
| 60 | 07628 | 36608 | 63392 | 71020 | 40 |
| 70 | 07728 | 36755 | 63245 | 70974 | 30 |
| 80 | 07828 | 36901 | 63099 | 70927 | 20 |
| 90 | 07929 | 37048 | 62952 | 70881 | 10 |
| **10 oo** | 08029 | 37194 | 62806 | 70834 | **90 oo** |
| | **9.75** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **61g** |
| | 100 | 146 | 146 | 47 | |

| | 147 | 146 | 101 | 100 | 47 | 46 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,7 | 14,6 | 10,1 | 10,0 | 4,7 | 4,6 | 1 |
| 2 | 29,4 | 29,2 | 20,2 | 20,0 | 9,4 | 9,2 | 2 |
| 3 | 44,1 | 43,8 | 30,3 | 30,0 | 14,1 | 13,8 | 3 |
| 4 | 58,8 | 58,4 | 40,4 | 40,0 | 18,8 | 18,4 | 4 |
| 5 | 73,5 | 73,0 | 50,5 | 50,0 | 23,5 | 23,0 | 5 |
| 6 | 88,2 | 87,6 | 60,6 | 60,0 | 28,2 | 27,6 | 6 |
| 7 | 102,9 | 102,2 | 70,7 | 70,0 | 32,9 | 32,2 | 7 |
| 8 | 117,6 | 116,8 | 80,8 | 80,0 | 37,6 | 36,8 | 8 |
| 9 | 132,3 | 131,4 | 90,9 | 90,0 | 42,3 | 41,4 | 9 |

| 38g | 100 | 147 | 147 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.83** | **0.16** | **9.91** | |
| **10 oo** | 08029 | 37194 | 62806 | 70834 | **90 oo** |
| 10 | 08129 | 37341 | 62659 | 70788 | 90 |
| 20 | 08229 | 37487 | 62513 | 70741 | 80 |
| 30 | 08329 | 37634 | 62366 | 70695 | 70 |
| 40 | 08429 | 37781 | 62219 | 70648 | 60 |
| 50 | 08529 | 37927 | 62073 | 70602 | 50 |
| 60 | 08629 | 38074 | 61926 | 70555 | 40 |
| 70 | 08729 | 38220 | 61780 | 70509 | 30 |
| 80 | 08829 | 38367 | 61633 | 70462 | 20 |
| 90 | 08929 | 38513 | 61487 | 70415 | 10 |
| **11 oo** | 09029 | 38660 | 61340 | 70369 | **89 oo** |
| 10 | 09129 | 38806 | 61194 | 70322 | 90 |
| 20 | 09229 | 38953 | 61047 | 70276 | 80 |
| 30 | 09329 | 39100 | 60900 | 70229 | 70 |
| 40 | 09429 | 39246 | 60754 | 70183 | 60 |
| 50 | 09529 | 39393 | 60607 | 70136 | 50 |
| 60 | 09629 | 39539 | 60461 | 70090 | 40 |
| 70 | 09729 | 39686 | 60314 | 70043 | 30 |
| 80 | 09829 | 39832 | 60168 | 69997 | 20 |
| 90 | 09929 | 39979 | 60021 | 69950 | 10 |
| **12 oo** | 10029 | 40125 | 59875 | 69904 | **88 oo** |
| 10 | 10129 | 40272 | 59728 | 69857 | 90 |
| 20 | 10229 | 40418 | 59582 | 69810 | 80 |
| 30 | 10329 | 40565 | 59435 | 69764 | 70 |
| 40 | 10429 | 40711 | 59289 | 69717 | 60 |
| 50 | 10529 | 40858 | 59142 | 69671 | 50 |
| 60 | 10629 | 41004 | 58996 | 69624 | 40 |
| 70 | 10729 | 41151 | 58849 | 69578 | 30 |
| 80 | 10828 | 41297 | 58703 | 69531 | 20 |
| 90 | 10928 | 41444 | 58556 | 69485 | 10 |
| **13 oo** | 11028 | 41590 | 58410 | 69438 | **87 oo** |
| 10 | 11128 | 41737 | 58263 | 69391 | 90 |
| 20 | 11228 | 41883 | 58117 | 69345 | 80 |
| 30 | 11328 | 42030 | 57970 | 69298 | 70 |
| 40 | 11428 | 42176 | 57824 | 69252 | 60 |
| 50 | 11528 | 42323 | 57677 | 69205 | 50 |
| 60 | 11628 | 42469 | 57531 | 69159 | 40 |
| 70 | 11728 | 42616 | 57384 | 69112 | 30 |
| 80 | 11828 | 42762 | 57238 | 69065 | 20 |
| 90 | 11928 | 42909 | 57091 | 69019 | 10 |
| **14 oo** | 12028 | 43055 | 56945 | 68972 | **86 oo** |
| 10 | 12127 | 43202 | 56798 | 68926 | 90 |
| 20 | 12227 | 43348 | 56652 | 68879 | 80 |
| 30 | 12327 | 43495 | 56505 | 68832 | 70 |
| 40 | 12427 | 43641 | 56359 | 68786 | 60 |
| 50 | 12527 | 43788 | 56212 | 68739 | 50 |
| 60 | 12627 | 43934 | 56066 | 68693 | 40 |
| 70 | 12727 | 44081 | 55919 | 68646 | 30 |
| 80 | 12827 | 44227 | 55773 | 68600 | 20 |
| 90 | 12927 | 44374 | 55626 | 68553 | 10 |
| **15 oo** | 13026 | 44520 | 55480 | 68506 | **85 oo** |
| | **9.75** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 61g |
| | 99 | 146 | 146 | 47 | |

| 38g | 100 | 147 | 147 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.83** | **0.16** | **9.91** | |
| **15 oo** | 13026 | 44520 | 55480 | 68506 | **85 oo** |
| 10 | 13126 | 44667 | 55333 | 68460 | 90 |
| 20 | 13226 | 44813 | 55187 | 68413 | 80 |
| 30 | 13326 | 44960 | 55040 | 68367 | 70 |
| 40 | 13426 | 45106 | 54894 | 68320 | 60 |
| 50 | 13526 | 45252 | 54748 | 68273 | 50 |
| 60 | 13626 | 45399 | 54601 | 68227 | 40 |
| 70 | 13726 | 45545 | 54455 | 68180 | 30 |
| 80 | 13825 | 45692 | 54308 | 68134 | 20 |
| 90 | 13925 | 45838 | 54162 | 68087 | 10 |
| **16 oo** | 14025 | 45985 | 54015 | 68040 | **84 oo** |
| 10 | 14125 | 46131 | 53869 | 67994 | 90 |
| 20 | 14225 | 46278 | 53722 | 67947 | 80 |
| 30 | 14325 | 46424 | 53576 | 67900 | 70 |
| 40 | 14424 | 46571 | 53429 | 67854 | 60 |
| 50 | 14524 | 46717 | 53283 | 67807 | 50 |
| 60 | 14624 | 46863 | 53137 | 67761 | 40 |
| 70 | 14724 | 47010 | 52990 | 67714 | 30 |
| 80 | 14824 | 47156 | 52844 | 67667 | 20 |
| 90 | 14923 | 47303 | 52697 | 67621 | 10 |
| **17 oo** | 15023 | 47449 | 52551 | 67574 | **83 oo** |
| 10 | 15123 | 47596 | 52404 | 67527 | 90 |
| 20 | 15223 | 47742 | 52258 | 67481 | 80 |
| 30 | 15323 | 47889 | 52111 | 67434 | 70 |
| 40 | 15423 | 48035 | 51965 | 67388 | 60 |
| 50 | 15522 | 48181 | 51819 | 67341 | 50 |
| 60 | 15622 | 48328 | 51672 | 67294 | 40 |
| 70 | 15722 | 48474 | 51526 | 67248 | 30 |
| 80 | 15822 | 48621 | 51379 | 67201 | 20 |
| 90 | 15921 | 48767 | 51233 | 67154 | 10 |
| **18 oo** | 16021 | 48913 | 51087 | 67108 | **82 oo** |
| 10 | 16121 | 49060 | 50940 | 67061 | 90 |
| 20 | 16221 | 49206 | 50794 | 67014 | 80 |
| 30 | 16321 | 49353 | 50647 | 66968 | 70 |
| 40 | 16420 | 49499 | 50501 | 66921 | 60 |
| 50 | 16520 | 49646 | 50354 | 66874 | 50 |
| 60 | 16620 | 49792 | 50208 | 66828 | 40 |
| 70 | 16720 | 49938 | 50062 | 66781 | 30 |
| 80 | 16819 | 50085 | 49915 | 66735 | 20 |
| 90 | 16919 | 50231 | 49769 | 66688 | 10 |
| **19 oo** | 17019 | 50378 | 49622 | 66641 | **81 oo** |
| 10 | 17118 | 50524 | 49476 | 66595 | 90 |
| 20 | 17218 | 50670 | 49330 | 66548 | 80 |
| 30 | 17318 | 50817 | 49183 | 66501 | 70 |
| 40 | 17418 | 50963 | 49037 | 66455 | 60 |
| 50 | 17517 | 51110 | 48890 | 66408 | 50 |
| 60 | 17617 | 51256 | 48744 | 66361 | 40 |
| 70 | 17717 | 51402 | 48598 | 66315 | 30 |
| 80 | 17817 | 51549 | 48451 | 66268 | 20 |
| 90 | 17916 | 51695 | 48305 | 66221 | 10 |
| **20 oo** | 18016 | 51841 | 48159 | 66175 | **80 oo** |
| | **9.75** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 61g |
| | 99 | 146 | 146 | 47 | |

| | 147 | 146 | 100 | 99 | 47 | 46 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,7 | 14,6 | 10,0 | 9,9 | 4,7 | 4,6 | 1 |
| 2 | 29,4 | 29,2 | 20,0 | 19,8 | 9,4 | 9,2 | 2 |
| 3 | 44,1 | 43,8 | 30,0 | 29,7 | 14,1 | 13,8 | 3 |
| 4 | 58,8 | 58,4 | 40,0 | 39,6 | 18,8 | 18,4 | 4 |
| 5 | 73,5 | 73,0 | 50,0 | 49,5 | 23,5 | 23,0 | 5 |
| 6 | 88,2 | 87,6 | 60,0 | 59,4 | 28,2 | 27,6 | 6 |
| 7 | 102,9 | 102,2 | 70,0 | 69,3 | 32,9 | 32,2 | 7 |
| 8 | 117,6 | 116,8 | 80,0 | 79,2 | 37,6 | 36,8 | 8 |
| 9 | 132,3 | 131,4 | 90,0 | 89,1 | 42,3 | 41,4 | 9 |

| 38g | 100 | 147 | 147 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.83** | **0.16** | **9.91** | |
| **20 oo** | 18016 | 51841 | 48159 | 66175 | **80 oo** |
| 10 | 18116 | 51988 | 48012 | 66128 | 90 |
| 20 | 18215 | 52134 | 47866 | 66081 | 80 |
| 30 | 18315 | 52281 | 47719 | 66035 | 70 |
| 40 | 18415 | 52427 | 47573 | 65988 | 60 |
| 50 | 18514 | 52573 | 47427 | 65941 | 50 |
| 60 | 18614 | 52720 | 47280 | 65894 | 40 |
| 70 | 18714 | 52866 | 47134 | 65848 | 30 |
| 80 | 18814 | 53012 | 46988 | 65801 | 20 |
| 90 | 18913 | 53159 | 46841 | 65754 | 10 |
| **21 oo** | 19013 | 53305 | 46695 | 65708 | **79 oo** |
| 10 | 19113 | 53452 | 46548 | 65661 | 90 |
| 20 | 19212 | 53598 | 46402 | 65614 | 80 |
| 30 | 19312 | 53744 | 46256 | 65568 | 70 |
| 40 | 19412 | 53891 | 46109 | 65521 | 60 |
| 50 | 19511 | 54037 | 45963 | 65474 | 50 |
| 60 | 19611 | 54183 | 45817 | 65428 | 40 |
| 70 | 19710 | 54330 | 45670 | 65381 | 30 |
| 80 | 19810 | 54476 | 45524 | 65334 | 20 |
| 90 | 19910 | 54622 | 45378 | 65287 | 10 |
| **22 oo** | 20009 | 54769 | 45231 | 65241 | **78 oo** |
| 10 | 20109 | 54915 | 45085 | 65194 | 90 |
| 20 | 20209 | 55061 | 44939 | 65147 | 80 |
| 30 | 20308 | 55208 | 44792 | 65101 | 70 |
| 40 | 20408 | 55354 | 44646 | 65054 | 60 |
| 50 | 20508 | 55500 | 44500 | 65007 | 50 |
| 60 | 20607 | 55647 | 44353 | 64960 | 40 |
| 70 | 20707 | 55793 | 44207 | 64914 | 30 |
| 80 | 20806 | 55939 | 44061 | 64867 | 20 |
| 90 | 20906 | 56086 | 43914 | 64820 | 10 |
| **23 oo** | 21006 | 56232 | 43768 | 64774 | **77 oo** |
| 10 | 21105 | 56378 | 43622 | 64727 | 90 |
| 20 | 21205 | 56525 | 43475 | 64680 | 80 |
| 30 | 21304 | 56671 | 43329 | 64633 | 70 |
| 40 | 21404 | 56817 | 43183 | 64587 | 60 |
| 50 | 21504 | 56964 | 43036 | 64540 | 50 |
| 60 | 21603 | 57110 | 42890 | 64493 | 40 |
| 70 | 21703 | 57256 | 42744 | 64446 | 30 |
| 80 | 21802 | 57403 | 42597 | 64400 | 20 |
| 90 | 21902 | 57549 | 42451 | 64353 | 10 |
| **24 oo** | 22002 | 57695 | 42305 | 64306 | **76 oo** |
| 10 | 22101 | 57842 | 42158 | 64260 | 90 |
| 20 | 22201 | 57988 | 42012 | 64213 | 80 |
| 30 | 22300 | 58134 | 41866 | 64166 | 70 |
| 40 | 22400 | 58280 | 41720 | 64119 | 60 |
| 50 | 22499 | 58427 | 41573 | 64073 | 50 |
| 60 | 22599 | 58573 | 41427 | 64026 | 40 |
| 70 | 22698 | 58719 | 41281 | 63979 | 30 |
| 80 | 22798 | 58866 | 41134 | 63932 | 20 |
| 90 | 22898 | 59012 | 40988 | 63886 | 10 |
| **25 oo** | 22997 | 59158 | 40842 | 63839 | **75 oo** |
| | **9.75** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **61g** |
| | 99 | 146 | 146 | 47 | |

| 38g | 100 | 147 | 147 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.83** | **0.16** | **9.91** | |
| **25 oo** | 22997 | 59158 | 40842 | 63839 | **75 oo** |
| 10 | 23097 | 59305 | 40695 | 63792 | 90 |
| 20 | 23196 | 59451 | 40549 | 63745 | 80 |
| 30 | 23296 | 59597 | 40403 | 63699 | 70 |
| 40 | 23395 | 59743 | 40257 | 63652 | 60 |
| 50 | 23495 | 59890 | 40110 | 63605 | 50 |
| 60 | 23594 | 60036 | 39964 | 63558 | 40 |
| 70 | 23694 | 60182 | 39818 | 63511 | 30 |
| 80 | 23793 | 60329 | 39671 | 63465 | 20 |
| 90 | 23893 | 60475 | 39525 | 63418 | 10 |
| **26 oo** | 23992 | 60621 | 39379 | 63371 | **74 oo** |
| 10 | 24092 | 60767 | 39233 | 63324 | 90 |
| 20 | 24191 | 60914 | 39086 | 63278 | 80 |
| 30 | 24291 | 61060 | 38940 | 63231 | 70 |
| 40 | 24390 | 61206 | 38794 | 63184 | 60 |
| 50 | 24490 | 61352 | 38648 | 63137 | 50 |
| 60 | 24589 | 61499 | 38501 | 63091 | 40 |
| 70 | 24689 | 61645 | 38355 | 63044 | 30 |
| 80 | 24788 | 61791 | 38209 | 62997 | 20 |
| 90 | 24888 | 61938 | 38062 | 62950 | 10 |
| **27 oo** | 24987 | 62084 | 37916 | 62903 | **73 oo** |
| 10 | 25087 | 62230 | 37770 | 62857 | 90 |
| 20 | 25186 | 62376 | 37624 | 62810 | 80 |
| 30 | 25286 | 62523 | 37477 | 62763 | 70 |
| 40 | 25385 | 62669 | 37331 | 62716 | 60 |
| 50 | 25484 | 62815 | 37185 | 62669 | 50 |
| 60 | 25584 | 62961 | 37039 | 62623 | 40 |
| 70 | 25683 | 63108 | 36892 | 62576 | 30 |
| 80 | 25783 | 63254 | 36746 | 62529 | 20 |
| 90 | 25882 | 63400 | 36600 | 62482 | 10 |
| **28 oo** | 25982 | 63546 | 36454 | 62435 | **72 oo** |
| 10 | 26081 | 63692 | 36308 | 62389 | 90 |
| 20 | 26181 | 63839 | 36161 | 62342 | 80 |
| 30 | 26280 | 63985 | 36015 | 62295 | 70 |
| 40 | 26379 | 64131 | 35869 | 62248 | 60 |
| 50 | 26479 | 64277 | 35723 | 62201 | 50 |
| 60 | 26578 | 64424 | 35576 | 62155 | 40 |
| 70 | 26678 | 64570 | 35430 | 62108 | 30 |
| 80 | 26777 | 64716 | 35284 | 62061 | 20 |
| 90 | 26877 | 64862 | 35138 | 62014 | 10 |
| **29 oo** | 26976 | 65009 | 34991 | 61967 | **71 oo** |
| 10 | 27075 | 65155 | 34845 | 61921 | 90 |
| 20 | 27175 | 65301 | 34699 | 61874 | 80 |
| 30 | 27274 | 65447 | 34553 | 61827 | 70 |
| 40 | 27373 | 65593 | 34407 | 61780 | 60 |
| 50 | 27473 | 65740 | 34260 | 61733 | 50 |
| 60 | 27572 | 65886 | 34114 | 61686 | 40 |
| 70 | 27672 | 66032 | 33968 | 61640 | 30 |
| 80 | 27771 | 66178 | 33822 | 61593 | 20 |
| 90 | 27870 | 66324 | 33676 | 61546 | 10 |
| **30 oo** | 27970 | 66471 | 33529 | 61499 | **70 oo** |
| | **9.75** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **61g** |
| | 99 | 146 | 146 | 47 | |

| | 147 | 146 | 100 | 99 | 47 | 46 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,7 | 14,6 | 10,0 | 9,9 | 4,7 | 4,6 | 1 |
| 2 | 29,4 | 29,2 | 20,0 | 19,8 | 9,4 | 9,2 | 2 |
| 3 | 44,1 | 43,8 | 30,0 | 29,7 | 14,1 | 13,8 | 3 |
| 4 | 58,8 | 58,4 | 40,0 | 39,6 | 18,8 | 18,4 | 4 |
| 5 | 73,5 | 73,0 | 50,0 | 49,5 | 23,5 | 23,0 | 5 |
| 6 | 88,2 | 87,6 | 60,0 | 59,4 | 28,2 | 27,6 | 6 |
| 7 | 102,9 | 102,2 | 70,0 | 69,3 | 32,9 | 32,2 | 7 |
| 8 | 117,6 | 116,8 | 80,0 | 79,2 | 37,6 | 36,8 | 8 |
| 9 | 132,3 | 131,4 | 90,0 | 89,1 | 42,3 | 41,4 | 9 |

| 38g | 100 | 147 | 147 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.83** | **0.16** | **9.91** | |
| **30 oo** | 27970 | 66471 | 33529 | 61499 | **70 oo** |
| 10 | 28069 | 66617 | 33383 | 61452 | 90 |
| 20 | 28169 | 66763 | 33237 | 61405 | 80 |
| 30 | 28268 | 66909 | 33091 | 61359 | 70 |
| 40 | 28367 | 67055 | 32945 | 61312 | 60 |
| 50 | 28467 | 67202 | 32798 | 61265 | 50 |
| 60 | 28566 | 67348 | 32652 | 61218 | 40 |
| 70 | 28665 | 67494 | 32506 | 61171 | 30 |
| 80 | 28765 | 67640 | 32360 | 61124 | 20 |
| 90 | 28864 | 67786 | 32214 | 61078 | 10 |
| **31 oo** | 28963 | 67933 | 32067 | 61031 | **69 oo** |
| 10 | 29063 | 68079 | 31921 | 60984 | 90 |
| 20 | 29162 | 68225 | 31775 | 60937 | 80 |
| 30 | 29261 | 68371 | 31629 | 60890 | 70 |
| 40 | 29361 | 68517 | 31483 | 60843 | 60 |
| 50 | 29460 | 68664 | 31336 | 60796 | 50 |
| 60 | 29559 | 68810 | 31190 | 60750 | 40 |
| 70 | 29659 | 68956 | 31044 | 60703 | 30 |
| 80 | 29758 | 69102 | 30898 | 60656 | 20 |
| 90 | 29857 | 69248 | 30752 | 60609 | 10 |
| **32 oo** | 29957 | 69394 | 30606 | 60562 | **68 oo** |
| 10 | 30056 | 69541 | 30459 | 60515 | 90 |
| 20 | 30155 | 69687 | 30313 | 60468 | 80 |
| 30 | 30254 | 69833 | 30167 | 60422 | 70 |
| 40 | 30354 | 69979 | 30021 | 60375 | 60 |
| 50 | 30453 | 70125 | 29875 | 60328 | 50 |
| 60 | 30552 | 70271 | 29729 | 60281 | 40 |
| 70 | 30652 | 70418 | 29582 | 60234 | 30 |
| 80 | 30751 | 70564 | 29436 | 60187 | 20 |
| 90 | 30850 | 70710 | 29290 | 60140 | 10 |
| **33 oo** | 30949 | 70856 | 29144 | 60093 | **67 oo** |
| 10 | 31049 | 71002 | 28998 | 60047 | 90 |
| 20 | 31148 | 71148 | 28852 | 60000 | 80 |
| 30 | 31247 | 71294 | 28706 | 59953 | 70 |
| 40 | 31346 | 71441 | 28559 | 59906 | 60 |
| 50 | 31446 | 71587 | 28413 | 59859 | 50 |
| 60 | 31545 | 71733 | 28267 | 59812 | 40 |
| 70 | 31644 | 71879 | 28121 | 59765 | 30 |
| 80 | 31743 | 72025 | 27975 | 59718 | 20 |
| 90 | 31843 | 72171 | 27829 | 59671 | 10 |
| **34 oo** | 31942 | 72317 | 27683 | 59625 | **66 oo** |
| 10 | 32041 | 72464 | 27536 | 59578 | 90 |
| 20 | 32140 | 72610 | 27390 | 59531 | 80 |
| 30 | 32240 | 72756 | 27244 | 59484 | 70 |
| 40 | 32339 | 72902 | 27098 | 59437 | 60 |
| 50 | 32438 | 73048 | 26952 | 59390 | 50 |
| 60 | 32537 | 73194 | 26806 | 59343 | 40 |
| 70 | 32636 | 73340 | 26660 | 59296 | 30 |
| 80 | 32736 | 73486 | 26514 | 59249 | 20 |
| 90 | 32835 | 73632 | 26368 | 59202 | 10 |
| **35 oo** | 32934 | 73779 | 26221 | 59156 | **65 oo** |
| | **9.75** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **61g** |
| | 99 | 146 | 146 | 47 | |

| 38g | 100 | 147 | 147 | 46 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.83** | **0.16** | **9.91** | |
| **35 oo** | 32934 | 73779 | 26221 | 59156 | **65 oo** |
| 10 | 33033 | 73925 | 26075 | 59109 | 90 |
| 20 | 33133 | 74071 | 25929 | 59062 | 80 |
| 30 | 33232 | 74217 | 25783 | 59015 | 70 |
| 40 | 33331 | 74363 | 25637 | 58968 | 60 |
| 50 | 33430 | 74509 | 25491 | 58921 | 50 |
| 60 | 33529 | 74655 | 25345 | 58874 | 40 |
| 70 | 33628 | 74801 | 25199 | 58827 | 30 |
| 80 | 33728 | 74947 | 25053 | 58780 | 20 |
| 90 | 33827 | 75094 | 24906 | 58733 | 10 |
| **36 oo** | 33926 | 75240 | 24760 | 58686 | **64 oo** |
| 10 | 34025 | 75386 | 24614 | 58639 | 90 |
| 20 | 34124 | 75532 | 24468 | 58592 | 80 |
| 30 | 34223 | 75678 | 24322 | 58546 | 70 |
| 40 | 34323 | 75824 | 24176 | 58499 | 60 |
| 50 | 34422 | 75970 | 24030 | 58452 | 50 |
| 60 | 34521 | 76116 | 23884 | 58405 | 40 |
| 70 | 34620 | 76262 | 23738 | 58358 | 30 |
| 80 | 34719 | 76408 | 23592 | 58311 | 20 |
| 90 | 34818 | 76554 | 23446 | 58264 | 10 |
| **37 oo** | 34918 | 76701 | 23299 | 58217 | **63 oo** |
| 10 | 35017 | 76847 | 23153 | 58170 | 90 |
| 20 | 35116 | 76993 | 23007 | 58123 | 80 |
| 30 | 35215 | 77139 | 22861 | 58076 | 70 |
| 40 | 35314 | 77285 | 22715 | 58029 | 60 |
| 50 | 35413 | 77431 | 22569 | 57982 | 50 |
| 60 | 35512 | 77577 | 22423 | 57935 | 40 |
| 70 | 35611 | 77723 | 22277 | 57888 | 30 |
| 80 | 35711 | 77869 | 22131 | 57841 | 20 |
| 90 | 35810 | 78015 | 21985 | 57794 | 10 |
| **38 oo** | 35909 | 78161 | 21839 | 57747 | **62 oo** |
| 10 | 36008 | 78307 | 21693 | 57700 | 90 |
| 20 | 36107 | 78453 | 21547 | 57654 | 80 |
| 30 | 36206 | 78599 | 21401 | 57607 | 70 |
| 40 | 36305 | 78746 | 21254 | 57560 | 60 |
| 50 | 36404 | 78892 | 21108 | 57513 | 50 |
| 60 | 36503 | 79038 | 20962 | 57466 | 40 |
| 70 | 36602 | 79184 | 20816 | 57419 | 30 |
| 80 | 36701 | 79330 | 20670 | 57372 | 20 |
| 90 | 36801 | 79476 | 20524 | 57325 | 10 |
| **39 oo** | 36900 | 79622 | 20378 | 57278 | **61 oo** |
| 10 | 36999 | 79768 | 20232 | 57231 | 90 |
| 20 | 37098 | 79914 | 20086 | 57184 | 80 |
| 30 | 37197 | 80060 | 19940 | 57137 | 70 |
| 40 | 37296 | 80206 | 19794 | 57090 | 60 |
| 50 | 37395 | 80352 | 19648 | 57043 | 50 |
| 60 | 37494 | 80498 | 19502 | 56996 | 40 |
| 70 | 37593 | 80644 | 19356 | 56949 | 30 |
| 80 | 37692 | 80790 | 19210 | 56902 | 20 |
| 90 | 37791 | 80936 | 19064 | 56855 | 10 |
| **40 oo** | 37890 | 81082 | 18918 | 56808 | **60 oo** |
| | **9.75** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **61g** |
| | 99 | 146 | 146 | 47 | |

| | 147 | 146 | 100 | 99 | 47 | 46 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,7 | 14,6 | 10,0 | 9,9 | 4,7 | 4,6 | 1 |
| 2 | 29,4 | 29,2 | 20,0 | 19,8 | 9,4 | 9,2 | 2 |
| 3 | 44,1 | 43,8 | 30,0 | 29,7 | 14,1 | 13,8 | 3 |
| 4 | 58,8 | 58,4 | 40,0 | 39,6 | 18,8 | 18,4 | 4 |
| 5 | 73,5 | 73,0 | 50,0 | 49,5 | 23,5 | 23,0 | 5 |
| 6 | 88,2 | 87,6 | 60,0 | 59,4 | 28,2 | 27,6 | 6 |
| 7 | 102,9 | 102,2 | 70,0 | 69,3 | 32,9 | 32,2 | 7 |
| 8 | 117,6 | 116,8 | 80,0 | 79,2 | 37,6 | 36,8 | 8 |
| 9 | 132,3 | 131,4 | 90,0 | 89,1 | 42,3 | 41,4 | 9 |

| 38g | 99 | 146 | 146 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.83** | **0.16** | **9.91** | |
| **40 oo** | 37890 | 81082 | 18918 | 56808 | **60 oo** |
| 10 | 37989 | 81228 | 18772 | 56761 | 90 |
| 20 | 38088 | 81374 | 18626 | 56714 | 80 |
| 30 | 38187 | 81520 | 18480 | 56667 | 70 |
| 40 | 38286 | 81666 | 18334 | 56620 | 60 |
| 50 | 38385 | 81812 | 18188 | 56573 | 50 |
| 60 | 38484 | 81958 | 18042 | 56526 | 40 |
| 70 | 38583 | 82104 | 17896 | 56479 | 30 |
| 80 | 38682 | 82250 | 17750 | 56432 | 20 |
| 90 | 38781 | 82396 | 17604 | 56385 | 10 |
| **41 oo** | 38880 | 82542 | 17458 | 56338 | **59 oo** |
| 10 | 38979 | 82688 | 17312 | 56291 | 90 |
| 20 | 39078 | 82834 | 17166 | 56244 | 80 |
| 30 | 39177 | 82980 | 17020 | 56197 | 70 |
| 40 | 39276 | 83126 | 16874 | 56150 | 60 |
| 50 | 39375 | 83272 | 16728 | 56103 | 50 |
| 60 | 39474 | 83418 | 16582 | 56056 | 40 |
| 70 | 39573 | 83564 | 16436 | 56009 | 30 |
| 80 | 39672 | 83710 | 16290 | 55962 | 20 |
| 90 | 39771 | 83856 | 16144 | 55915 | 10 |
| **42 oo** | 39870 | 84002 | 15998 | 55868 | **58 oo** |
| 10 | 39969 | 84148 | 15852 | 55821 | 90 |
| 20 | 40068 | 84294 | 15706 | 55774 | 80 |
| 30 | 40167 | 84440 | 15560 | 55727 | 70 |
| 40 | 40266 | 84586 | 15414 | 55680 | 60 |
| 50 | 40365 | 84732 | 15268 | 55633 | 50 |
| 60 | 40464 | 84878 | 15122 | 55586 | 40 |
| 70 | 40563 | 85024 | 14976 | 55539 | 30 |
| 80 | 40662 | 85170 | 14830 | 55492 | 20 |
| 90 | 40761 | 85316 | 14684 | 55445 | 10 |
| **43 oo** | 40860 | 85462 | 14538 | 55398 | **57 oo** |
| 10 | 40959 | 85608 | 14392 | 55350 | 90 |
| 20 | 41058 | 85754 | 14246 | 55303 | 80 |
| 30 | 41157 | 85900 | 14100 | 55256 | 70 |
| 40 | 41255 | 86046 | 13954 | 55209 | 60 |
| 50 | 41354 | 86192 | 13808 | 55162 | 50 |
| 60 | 41453 | 86338 | 13662 | 55115 | 40 |
| 70 | 41552 | 86484 | 13516 | 55068 | 30 |
| 80 | 41651 | 86630 | 13370 | 55021 | 20 |
| 90 | 41750 | 86776 | 13224 | 54974 | 10 |
| **44 oo** | 41849 | 86922 | 13078 | 54927 | **56 oo** |
| 10 | 41948 | 87068 | 12932 | 54880 | 90 |
| 20 | 42047 | 87214 | 12786 | 54833 | 80 |
| 30 | 42146 | 87360 | 12640 | 54786 | 70 |
| 40 | 42245 | 87506 | 12494 | 54739 | 60 |
| 50 | 42343 | 87652 | 12348 | 54692 | 50 |
| 60 | 42442 | 87798 | 12202 | 54645 | 40 |
| 70 | 42541 | 87944 | 12056 | 54598 | 30 |
| 80 | 42640 | 88089 | 11911 | 54551 | 20 |
| 90 | 42739 | 88235 | 11765 | 54503 | 10 |
| **45 oo** | 42838 | 88381 | 11619 | 54456 | **55 oo** |
| | **9.75** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 61g |
| | 98 | 145 | 145 | 48 | |

| 38g | 99 | 146 | 146 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.83** | **0.16** | **9.91** | |
| **45 oo** | 42838 | 88381 | 11619 | 54456 | **55 oo** |
| 10 | 42937 | 88527 | 11473 | 54409 | 90 |
| 20 | 43036 | 88673 | 11327 | 54362 | 80 |
| 30 | 43134 | 88819 | 11181 | 54315 | 70 |
| 40 | 43233 | 88965 | 11035 | 54268 | 60 |
| 50 | 43332 | 89111 | 10889 | 54221 | 50 |
| 60 | 43431 | 89257 | 10743 | 54174 | 40 |
| 70 | 43530 | 89403 | 10597 | 54127 | 30 |
| 80 | 43629 | 89549 | 10451 | 54080 | 20 |
| 90 | 43727 | 89695 | 10305 | 54033 | 10 |
| **46 oo** | 43826 | 89841 | 10159 | 53986 | **54 oo** |
| 10 | 43925 | 89987 | 10013 | 53939 | 90 |
| 20 | 44024 | 90133 | 09867 | 53891 | 80 |
| 30 | 44123 | 90278 | 09722 | 53844 | 70 |
| 40 | 44222 | 90424 | 09576 | 53797 | 60 |
| 50 | 44320 | 90570 | 09430 | 53750 | 50 |
| 60 | 44419 | 90716 | 09284 | 53703 | 40 |
| 70 | 44518 | 90862 | 09138 | 53656 | 30 |
| 80 | 44617 | 91008 | 08992 | 53609 | 20 |
| 90 | 44716 | 91154 | 08846 | 53562 | 10 |
| **47 oo** | 44815 | 91300 | 08700 | 53515 | **53 oo** |
| 10 | 44913 | 91446 | 08554 | 53468 | 90 |
| 20 | 45012 | 91592 | 08408 | 53421 | 80 |
| 30 | 45111 | 91738 | 08262 | 53373 | 70 |
| 40 | 45210 | 91883 | 08117 | 53326 | 60 |
| 50 | 45309 | 92029 | 07971 | 53279 | 50 |
| 60 | 45407 | 92175 | 07825 | 53232 | 40 |
| 70 | 45506 | 92321 | 07679 | 53185 | 30 |
| 80 | 45605 | 92467 | 07533 | 53138 | 20 |
| 90 | 45704 | 92613 | 07387 | 53091 | 10 |
| **48 oo** | 45802 | 92759 | 07241 | 53044 | **52 oo** |
| 10 | 45901 | 92905 | 07095 | 52997 | 90 |
| 20 | 46000 | 93051 | 06949 | 52949 | 80 |
| 30 | 46099 | 93196 | 06804 | 52902 | 70 |
| 40 | 46197 | 93342 | 06658 | 52855 | 60 |
| 50 | 46296 | 93488 | 06512 | 52808 | 50 |
| 60 | 46395 | 93634 | 06366 | 52761 | 40 |
| 70 | 46494 | 93780 | 06220 | 52714 | 30 |
| 80 | 46592 | 93926 | 06074 | 52667 | 20 |
| 90 | 46691 | 94072 | 05928 | 52620 | 10 |
| **49 oo** | 46790 | 94218 | 05782 | 52572 | **51 oo** |
| 10 | 46889 | 94363 | 05637 | 52525 | 90 |
| 20 | 46987 | 94509 | 05491 | 52478 | 80 |
| 30 | 47086 | 94655 | 05345 | 52431 | 70 |
| 40 | 47185 | 94801 | 05199 | 52384 | 60 |
| 50 | 47284 | 94947 | 05053 | 52337 | 50 |
| 60 | 47382 | 95093 | 04907 | 52290 | 40 |
| 70 | 47481 | 95239 | 04761 | 52242 | 30 |
| 80 | 47580 | 95384 | 04616 | 52195 | 20 |
| 90 | 47678 | 95530 | 04470 | 52148 | 10 |
| **50 oo** | 47777 | 95676 | 04324 | 52101 | **50 oo** |
| | **9.75** | **9.83** | **0.16** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 61g |
| | 98 | 145 | 145 | 48 | |

| | 146 | 145 | 99 | 98 | 48 | 47 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,6 | 14,5 | 9,9 | 9,8 | 4,8 | 4,7 | 1 |
| 2 | 29,2 | 29,0 | 19,8 | 19,6 | 9,6 | 9,4 | 2 |
| 3 | 43,8 | 43,5 | 29,7 | 29,4 | 14,4 | 14,1 | 3 |
| 4 | 58,4 | 58,0 | 39,6 | 39,2 | 19,2 | 18,8 | 4 |
| 5 | 73,0 | 72,5 | 49,5 | 49,0 | 24,0 | 23,5 | 5 |
| 6 | 87,6 | 87,0 | 59,4 | 58,8 | 28,8 | 28,2 | 6 |
| 7 | 102,2 | 101,5 | 69,3 | 68,6 | 33,6 | 32,9 | 7 |
| 8 | 116,8 | 116,0 | 79,2 | 78,4 | 38,4 | 37,6 | 8 |
| 9 | 131,4 | 130,5 | 89,1 | 88,2 | 43,2 | 42,3 | 9 |

| 38g | 99 | 146 | 146 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.83** | **0.16** | **9.91** | |
| **50 oo** | 47777 | 95676 | 04324 | 52101 | **50 oo** |
| 10 | 47876 | 95822 | 04178 | 52054 | 90 |
| 20 | 47975 | 95968 | 04032 | 52007 | 80 |
| 30 | 48073 | 96114 | 03886 | 51960 | 70 |
| 40 | 48172 | 96260 | 03740 | 51912 | 60 |
| 50 | 48271 | 96405 | 03595 | 51865 | 50 |
| 60 | 48369 | 96551 | 03449 | 51818 | 40 |
| 70 | 48468 | 96697 | 03303 | 51771 | 30 |
| 80 | 48567 | 96843 | 03157 | 51724 | 20 |
| 90 | 48665 | 96989 | 03011 | 51677 | 10 |
| **51 oo** | 48764 | 97135 | 02865 | 51629 | **49 oo** |
| 10 | 48863 | 97280 | 02720 | 51582 | 90 |
| 20 | 48961 | 97426 | 02574 | 51535 | 80 |
| 30 | 49060 | 97572 | 02428 | 51488 | 70 |
| 40 | 49159 | 97718 | 02282 | 51441 | 60 |
| 50 | 49257 | 97864 | 02136 | 51394 | 50 |
| 60 | 49356 | 98010 | 01990 | 51346 | 40 |
| 70 | 49455 | 98155 | 01845 | 51299 | 30 |
| 80 | 49553 | 98301 | 01699 | 51252 | 20 |
| 90 | 49652 | 98447 | 01553 | 51205 | 10 |
| **52 oo** | 49751 | 98593 | 01407 | 51158 | **48 oo** |
| 10 | 49849 | 98739 | 01261 | 51110 | 90 |
| 20 | 49948 | 98885 | 01115 | 51063 | 80 |
| 30 | 50046 | 99030 | 00970 | 51016 | 70 |
| 40 | 50145 | 99176 | 00824 | 50969 | 60 |
| 50 | 50244 | 99322 | 00678 | 50922 | 50 |
| 60 | 50342 | 99468 | 00532 | 50875 | 40 |
| 70 | 50441 | 99614 | 00386 | 50827 | 30 |
| 80 | 50540 | 99759 | 00241 | 50780 | 20 |
| 90 | 50638 | 99905 | 00095 | 50733 | 10 |
| **53 oo** | 50737 | *00051 | *99949 | 50686 | **47 oo** |
| 10 | 50835 | *00197 | *99803 | 50639 | 90 |
| 20 | 50934 | *00343 | *99657 | 50591 | 80 |
| 30 | 51033 | *00488 | *99512 | 50544 | 70 |
| 40 | 51131 | *00634 | *99366 | 50497 | 60 |
| 50 | 51230 | *00780 | *99220 | 50450 | 50 |
| 60 | 51328 | *00926 | *99074 | 50403 | 40 |
| 70 | 51427 | *01072 | *98928 | 50355 | 30 |
| 80 | 51526 | *01217 | *98783 | 50308 | 20 |
| 90 | 51624 | *01363 | *98637 | 50261 | 10 |
| **54 oo** | 51723 | *01509 | *98491 | 50214 | **46 oo** |
| 10 | 51821 | *01655 | *98345 | 50167 | 90 |
| 20 | 51920 | *01801 | *98199 | 50119 | 80 |
| 30 | 52018 | *01946 | *98054 | 50072 | 70 |
| 40 | 52117 | *02092 | *97908 | 50025 | 60 |
| 50 | 52216 | *02238 | *97762 | 49978 | 50 |
| 60 | 52314 | *02384 | *97616 | 49930 | 40 |
| 70 | 52413 | *02529 | *97471 | 49883 | 30 |
| 80 | 52511 | *02675 | *97325 | 49836 | 20 |
| 90 | 52610 | *02821 | *97179 | 49789 | 10 |
| **55 oo** | 52708 | *02967 | *97033 | 49742 | **45 oo** |
| | **9.75** | ***9.84** | ***0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 98 | 145 | 145 | 48 | **61g** |

| 38g | 99 | 146 | 146 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.84** | **0.15** | **9.91** | |
| **55 oo** | 52708 | 02967 | 97033 | 49742 | **45 oo** |
| 10 | 52807 | 03112 | 96888 | 49694 | 90 |
| 20 | 52905 | 03258 | 96742 | 49647 | 80 |
| 30 | 53004 | 03404 | 96596 | 49600 | 70 |
| 40 | 53102 | 03550 | 96450 | 49553 | 60 |
| 50 | 53201 | 03696 | 96304 | 49505 | 50 |
| 60 | 53299 | 03841 | 96159 | 49458 | 40 |
| 70 | 53398 | 03987 | 96013 | 49411 | 30 |
| 80 | 53496 | 04133 | 95867 | 49364 | 20 |
| 90 | 53595 | 04279 | 95721 | 49316 | 10 |
| **56 oo** | 53693 | 04424 | 95576 | 49269 | **44 oo** |
| 10 | 53792 | 04570 | 95430 | 49222 | 90 |
| 20 | 53890 | 04716 | 95284 | 49175 | 80 |
| 30 | 53989 | 04862 | 95138 | 49127 | 70 |
| 40 | 54087 | 05007 | 94993 | 49080 | 60 |
| 50 | 54186 | 05153 | 94847 | 49033 | 50 |
| 60 | 54284 | 05299 | 94701 | 48986 | 40 |
| 70 | 54383 | 05444 | 94556 | 48938 | 30 |
| 80 | 54481 | 05590 | 94410 | 48891 | 20 |
| 90 | 54580 | 05736 | 94264 | 48844 | 10 |
| **57 oo** | 54678 | 05882 | 94118 | 48797 | **43 oo** |
| 10 | 54777 | 06027 | 93973 | 48749 | 90 |
| 20 | 54875 | 06173 | 93827 | 48702 | 80 |
| 30 | 54974 | 06319 | 93681 | 48655 | 70 |
| 40 | 55072 | 06465 | 93535 | 48608 | 60 |
| 50 | 55171 | 06610 | 93390 | 48560 | 50 |
| 60 | 55269 | 06756 | 93244 | 48513 | 40 |
| 70 | 55368 | 06902 | 93098 | 48466 | 30 |
| 80 | 55466 | 07048 | 92952 | 48419 | 20 |
| 90 | 55564 | 07193 | 92807 | 48371 | 10 |
| **58 oo** | 55663 | 07339 | 92661 | 48324 | **42 oo** |
| 10 | 55761 | 07485 | 92515 | 48277 | 90 |
| 20 | 55860 | 07630 | 92370 | 48229 | 80 |
| 30 | 55958 | 07776 | 92224 | 48182 | 70 |
| 40 | 56057 | 07922 | 92078 | 48135 | 60 |
| 50 | 56155 | 08067 | 91933 | 48088 | 50 |
| 60 | 56253 | 08213 | 91787 | 48040 | 40 |
| 70 | 56352 | 08359 | 91641 | 47993 | 30 |
| 80 | 56450 | 08505 | 91495 | 47946 | 20 |
| 90 | 56549 | 08650 | 91350 | 47898 | 10 |
| **59 oo** | 56647 | 08796 | 91204 | 47851 | **41 oo** |
| 10 | 56746 | 08942 | 91058 | 47804 | 90 |
| 20 | 56844 | 09087 | 90913 | 47757 | 80 |
| 30 | 56942 | 09233 | 90767 | 47709 | 70 |
| 40 | 57041 | 09379 | 90621 | 47662 | 60 |
| 50 | 57139 | 09524 | 90476 | 47615 | 50 |
| 60 | 57238 | 09670 | 90330 | 47567 | 40 |
| 70 | 57336 | 09816 | 90184 | 47520 | 30 |
| 80 | 57434 | 09962 | 90038 | 47473 | 20 |
| 90 | 57533 | 10107 | 89893 | 47425 | 10 |
| **60 oo** | 57631 | 10253 | 89747 | 47378 | **40 oo** |
| | **9.75** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 98 | 145 | 145 | 48 | **61g** |

| | 146 | 145 | 99 | 98 | 48 | 47 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,6 | 14,5 | 9,9 | 9,8 | 4,8 | 4,7 | 1 |
| 2 | 29,2 | 29,0 | 19,8 | 19,6 | 9,6 | 9,4 | 2 |
| 3 | 43,8 | 43,5 | 29,7 | 29,4 | 14,4 | 14,1 | 3 |
| 4 | 58,4 | 58,0 | 39,6 | 39,2 | 19,2 | 18,8 | 4 |
| 5 | 73,0 | 72,5 | 49,5 | 49,0 | 24,0 | 23,5 | 5 |
| 6 | 87,6 | 87,0 | 59,4 | 58,8 | 28,8 | 28,2 | 6 |
| 7 | 102,2 | 101,5 | 69,3 | 68,6 | 33,6 | 32,9 | 7 |
| 8 | 116,8 | 116,0 | 79,2 | 78,4 | 38,4 | 37,6 | 8 |
| 9 | 131,4 | 130,5 | 89,1 | 88,2 | 43,2 | 42,3 | 9 |

| 38g | 99 | 146 | 146 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.84** | **0.15** | **9.91** | |
| **60 oo** | 57631 | 10253 | 89747 | 47378 | **40 oo** |
| 10 | 57729 | 10399 | 89601 | 47331 | 90 |
| 20 | 57828 | 10544 | 89456 | 47284 | 80 |
| 30 | 57926 | 10690 | 89310 | 47236 | 70 |
| 40 | 58025 | 10836 | 89164 | 47189 | 60 |
| 50 | 58123 | 10981 | 89019 | 47142 | 50 |
| 60 | 58221 | 11127 | 88873 | 47094 | 40 |
| 70 | 58320 | 11273 | 88727 | 47047 | 30 |
| 80 | 58418 | 11418 | 88582 | 47000 | 20 |
| 90 | 58516 | 11564 | 88436 | 46952 | 10 |
| **61 oo** | 58615 | 11710 | 88290 | 46905 | **39 oo** |
| 10 | 58713 | 11855 | 88145 | 46858 | 90 |
| 20 | 58811 | 12001 | 87999 | 46810 | 80 |
| 30 | 58910 | 12147 | 87853 | 46763 | 70 |
| 40 | 59008 | 12292 | 87708 | 46716 | 60 |
| 50 | 59106 | 12438 | 87562 | 46668 | 50 |
| 60 | 59205 | 12584 | 87416 | 46621 | 40 |
| 70 | 59303 | 12729 | 87271 | 46574 | 30 |
| 80 | 59401 | 12875 | 87125 | 46526 | 20 |
| 90 | 59500 | 13021 | 86979 | 46479 | 10 |
| **62 oo** | 59598 | 13166 | 86834 | 46432 | **38 oo** |
| 10 | 59696 | 13312 | 86688 | 46384 | 90 |
| 20 | 59794 | 13457 | 86543 | 46337 | 80 |
| 30 | 59893 | 13603 | 86397 | 46290 | 70 |
| 40 | 59991 | 13749 | 86251 | 46242 | 60 |
| 50 | 60089 | 13894 | 86106 | 46195 | 50 |
| 60 | 60188 | 14040 | 85960 | 46148 | 40 |
| 70 | 60286 | 14186 | 85814 | 46100 | 30 |
| 80 | 60384 | 14331 | 85669 | 46053 | 20 |
| 90 | 60483 | 14477 | 85523 | 46006 | 10 |
| **63 oo** | 60581 | 14623 | 85377 | 45958 | **37 oo** |
| 10 | 60679 | 14768 | 85232 | 45911 | 90 |
| 20 | 60777 | 14914 | 85086 | 45863 | 80 |
| 30 | 60876 | 15059 | 84941 | 45816 | 70 |
| 40 | 60974 | 15205 | 84795 | 45769 | 60 |
| 50 | 61072 | 15351 | 84649 | 45721 | 50 |
| 60 | 61170 | 15496 | 84504 | 45674 | 40 |
| 70 | 61269 | 15642 | 84358 | 45627 | 30 |
| 80 | 61367 | 15788 | 84212 | 45579 | 20 |
| 90 | 61465 | 15933 | 84067 | 45532 | 10 |
| **64 oo** | 61563 | 16079 | 83921 | 45485 | **36 oo** |
| 10 | 61662 | 16224 | 83776 | 45437 | 90 |
| 20 | 61760 | 16370 | 83630 | 45390 | 80 |
| 30 | 61858 | 16516 | 83484 | 45342 | 70 |
| 40 | 61956 | 16661 | 83339 | 45295 | 60 |
| 50 | 62055 | 16807 | 83193 | 45248 | 50 |
| 60 | 62153 | 16952 | 83048 | 45200 | 40 |
| 70 | 62251 | 17098 | 82902 | 45153 | 30 |
| 80 | 62349 | 17244 | 82756 | 45106 | 20 |
| 90 | 62447 | 17389 | 82611 | 45058 | 10 |
| **65 oo** | 62546 | 17535 | 82465 | 45011 | **35 oo** |
| | **9.75** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 61g |
| | 98 | 145 | 145 | 48 | |

| 38g | 99 | 146 | 146 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.84** | **0.15** | **9.91** | |
| **65 oo** | 62546 | 17535 | 82465 | 45011 | **35 oo** |
| 10 | 62644 | 17680 | 82320 | 44963 | 90 |
| 20 | 62742 | 17826 | 82174 | 44916 | 80 |
| 30 | 62840 | 17972 | 82028 | 44869 | 70 |
| 40 | 62938 | 18117 | 81883 | 44821 | 60 |
| 50 | 63037 | 18263 | 81737 | 44774 | 50 |
| 60 | 63135 | 18408 | 81592 | 44726 | 40 |
| 70 | 63233 | 18554 | 81446 | 44679 | 30 |
| 80 | 63331 | 18700 | 81300 | 44632 | 20 |
| 90 | 63429 | 18845 | 81155 | 44584 | 10 |
| **66 oo** | 63528 | 18991 | 81009 | 44537 | **34 oo** |
| 10 | 63626 | 19136 | 80864 | 44489 | 90 |
| 20 | 63724 | 19282 | 80718 | 44442 | 80 |
| 30 | 63822 | 19427 | 80573 | 44395 | 70 |
| 40 | 63920 | 19573 | 80427 | 44347 | 60 |
| 50 | 64018 | 19719 | 80281 | 44300 | 50 |
| 60 | 64117 | 19864 | 80136 | 44252 | 40 |
| 70 | 64215 | 20010 | 79990 | 44205 | 30 |
| 80 | 64313 | 20155 | 79845 | 44158 | 20 |
| 90 | 64411 | 20301 | 79699 | 44110 | 10 |
| **67 oo** | 64509 | 20446 | 79554 | 44063 | **33 oo** |
| 10 | 64607 | 20592 | 79408 | 44015 | 90 |
| 20 | 64705 | 20738 | 79262 | 43968 | 80 |
| 30 | 64804 | 20883 | 79117 | 43920 | 70 |
| 40 | 64902 | 21029 | 78971 | 43873 | 60 |
| 50 | 65000 | 21174 | 78826 | 43826 | 50 |
| 60 | 65098 | 21320 | 78680 | 43778 | 40 |
| 70 | 65196 | 21465 | 78535 | 43731 | 30 |
| 80 | 65294 | 21611 | 78389 | 43683 | 20 |
| 90 | 65392 | 21756 | 78244 | 43636 | 10 |
| **68 oo** | 65490 | 21902 | 78098 | 43588 | **32 oo** |
| 10 | 65589 | 22047 | 77953 | 43541 | 90 |
| 20 | 65687 | 22193 | 77807 | 43494 | 80 |
| 30 | 65785 | 22339 | 77661 | 43446 | 70 |
| 40 | 65883 | 22484 | 77516 | 43399 | 60 |
| 50 | 65981 | 22630 | 77370 | 43351 | 50 |
| 60 | 66079 | 22775 | 77225 | 43304 | 40 |
| 70 | 66177 | 22921 | 77079 | 43256 | 30 |
| 80 | 66275 | 23066 | 76934 | 43209 | 20 |
| 90 | 66373 | 23212 | 76788 | 43161 | 10 |
| **69 oo** | 66471 | 23357 | 76643 | 43114 | **31 oo** |
| 10 | 66569 | 23503 | 76497 | 43067 | 90 |
| 20 | 66667 | 23648 | 76352 | 43019 | 80 |
| 30 | 66766 | 23794 | 76206 | 42972 | 70 |
| 40 | 66864 | 23939 | 76061 | 42924 | 60 |
| 50 | 66962 | 24085 | 75915 | 42877 | 50 |
| 60 | 67060 | 24230 | 75770 | 42829 | 40 |
| 70 | 67158 | 24376 | 75624 | 42782 | 30 |
| 80 | 67256 | 24521 | 75479 | 42734 | 20 |
| 90 | 67354 | 24667 | 75333 | 42687 | 10 |
| **70 oo** | 67452 | 24812 | 75188 | 42639 | **30 oo** |
| | **9.75** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 61g |
| | 98 | 145 | 145 | 48 | |

| | 146 | 145 | 99 | 98 | 48 | 47 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,6 | 14,5 | 9,9 | 9,8 | 4,8 | 4,7 | 1 |
| 2 | 29,2 | 29,0 | 19,8 | 19,6 | 9,6 | 9,4 | 2 |
| 3 | 43,8 | 43,5 | 29,7 | 29,4 | 14,4 | 14,1 | 3 |
| 4 | 58,4 | 58,0 | 39,6 | 39,2 | 19,2 | 18,8 | 4 |
| 5 | 73,0 | 72,5 | 49,5 | 49,0 | 24,0 | 23,5 | 5 |
| 6 | 87,6 | 87,0 | 59,4 | 58,8 | 28,8 | 28,2 | 6 |
| 7 | 102,2 | 101,5 | 69,3 | 68,6 | 33,6 | 32,9 | 7 |
| 8 | 116,8 | 116,0 | 79,2 | 78,4 | 38,4 | 37,6 | 8 |
| 9 | 131,4 | 130,5 | 89,1 | 88,2 | 43,2 | 42,3 | 9 |

| 38g | 98 | 146 | 146 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.84** | **0.15** | **9.91** | |
| **70 oo** | 67452 | 24812 | 75188 | 42639 | **30 oo** |
| 10 | 67550 | 24958 | 75042 | 42592 | 90 |
| 20 | 67648 | 25104 | 74896 | 42545 | 80 |
| 30 | 67746 | 25249 | 74751 | 42497 | 70 |
| 40 | 67844 | 25395 | 74605 | 42450 | 60 |
| 50 | 67942 | 25540 | 74460 | 42402 | 50 |
| 60 | 68040 | 25686 | 74314 | 42355 | 40 |
| 70 | 68138 | 25831 | 74169 | 42307 | 30 |
| 80 | 68236 | 25977 | 74023 | 42260 | 20 |
| 90 | 68334 | 26122 | 73878 | 42212 | 10 |
| **71 oo** | 68432 | 26268 | 73732 | 42165 | **29 oo** |
| 10 | 68530 | 26413 | 73587 | 42117 | 90 |
| 20 | 68628 | 26558 | 73442 | 42070 | 80 |
| 30 | 68726 | 26704 | 73296 | 42022 | 70 |
| 40 | 68824 | 26849 | 73151 | 41975 | 60 |
| 50 | 68922 | 26995 | 73005 | 41927 | 50 |
| 60 | 69020 | 27140 | 72860 | 41880 | 40 |
| 70 | 69118 | 27286 | 72714 | 41832 | 30 |
| 80 | 69216 | 27431 | 72569 | 41785 | 20 |
| 90 | 69314 | 27577 | 72423 | 41737 | 10 |
| **72 oo** | 69412 | 27722 | 72278 | 41690 | **28 oo** |
| 10 | 69510 | 27868 | 72132 | 41642 | 90 |
| 20 | 69608 | 28013 | 71987 | 41595 | 80 |
| 30 | 69706 | 28159 | 71841 | 41547 | 70 |
| 40 | 69804 | 28304 | 71696 | 41500 | 60 |
| 50 | 69902 | 28450 | 71550 | 41452 | 50 |
| 60 | 70000 | 28595 | 71405 | 41405 | 40 |
| 70 | 70098 | 28741 | 71259 | 41357 | 30 |
| 80 | 70196 | 28886 | 71114 | 41310 | 20 |
| 90 | 70294 | 29032 | 70968 | 41262 | 10 |
| **73 oo** | 70392 | 29177 | 70823 | 41215 | **27 oo** |
| 10 | 70490 | 29323 | 70677 | 41167 | 90 |
| 20 | 70588 | 29468 | 70532 | 41120 | 80 |
| 30 | 70686 | 29613 | 70387 | 41072 | 70 |
| 40 | 70784 | 29759 | 70241 | 41025 | 60 |
| 50 | 70881 | 29904 | 70096 | 40977 | 50 |
| 60 | 70979 | 30050 | 69950 | 40930 | 40 |
| 70 | 71077 | 30195 | 69805 | 40882 | 30 |
| 80 | 71175 | 30341 | 69659 | 40835 | 20 |
| 90 | 71273 | 30486 | 69514 | 40787 | 10 |
| **74 oo** | 71371 | 30632 | 69368 | 40740 | **26 oo** |
| 10 | 71469 | 30777 | 69223 | 40692 | 90 |
| 20 | 71567 | 30922 | 69078 | 40644 | 80 |
| 30 | 71665 | 31068 | 68932 | 40597 | 70 |
| 40 | 71763 | 31213 | 68787 | 40549 | 60 |
| 50 | 71861 | 31359 | 68641 | 40502 | 50 |
| 60 | 71959 | 31504 | 68496 | 40454 | 40 |
| 70 | 72056 | 31650 | 68350 | 40407 | 30 |
| 80 | 72154 | 31795 | 68205 | 40359 | 20 |
| 90 | 72252 | 31940 | 68060 | 40312 | 10 |
| **75 oo** | 72350 | 32086 | 67914 | 40264 | **25 oo** |
| | **9.75** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 61g |
| | 97 | 145 | 145 | 48 | |

| 38g | 98 | 146 | 146 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.84** | **0.15** | **9.91** | |
| **75 oo** | 72350 | 32086 | 67914 | 40264 | **25 oo** |
| 10 | 72448 | 32231 | 67769 | 40217 | 90 |
| 20 | 72546 | 32377 | 67623 | 40169 | 80 |
| 30 | 72644 | 32522 | 67478 | 40122 | 70 |
| 40 | 72742 | 32668 | 67332 | 40074 | 60 |
| 50 | 72839 | 32813 | 67187 | 40026 | 50 |
| 60 | 72937 | 32958 | 67042 | 39979 | 40 |
| 70 | 73035 | 33104 | 66896 | 39931 | 30 |
| 80 | 73133 | 33249 | 66751 | 39884 | 20 |
| 90 | 73231 | 33395 | 66605 | 39836 | 10 |
| **76 oo** | 73329 | 33540 | 66460 | 39789 | **24 oo** |
| 10 | 73427 | 33685 | 66315 | 39741 | 90 |
| 20 | 73524 | 33831 | 66169 | 39693 | 80 |
| 30 | 73622 | 33976 | 66024 | 39646 | 70 |
| 40 | 73720 | 34122 | 65878 | 39598 | 60 |
| 50 | 73818 | 34267 | 65733 | 39551 | 50 |
| 60 | 73916 | 34413 | 65587 | 39503 | 40 |
| 70 | 74014 | 34558 | 65442 | 39456 | 30 |
| 80 | 74111 | 34703 | 65297 | 39408 | 20 |
| 90 | 74209 | 34849 | 65151 | 39360 | 10 |
| **77 oo** | 74307 | 34994 | 65006 | 39313 | **23 oo** |
| 10 | 74405 | 35139 | 64861 | 39265 | 90 |
| 20 | 74503 | 35285 | 64715 | 39218 | 80 |
| 30 | 74600 | 35430 | 64570 | 39170 | 70 |
| 40 | 74698 | 35576 | 64424 | 39123 | 60 |
| 50 | 74796 | 35721 | 64279 | 39075 | 50 |
| 60 | 74894 | 35866 | 64134 | 39027 | 40 |
| 70 | 74992 | 36012 | 63988 | 38980 | 30 |
| 80 | 75089 | 36157 | 63843 | 38932 | 20 |
| 90 | 75187 | 36303 | 63697 | 38885 | 10 |
| **78 oo** | 75285 | 36448 | 63552 | 38837 | **22 oo** |
| 10 | 75383 | 36593 | 63407 | 38789 | 90 |
| 20 | 75481 | 36739 | 63261 | 38742 | 80 |
| 30 | 75578 | 36884 | 63116 | 38694 | 70 |
| 40 | 75676 | 37029 | 62971 | 38647 | 60 |
| 50 | 75774 | 37175 | 62825 | 38599 | 50 |
| 60 | 75872 | 37320 | 62680 | 38551 | 40 |
| 70 | 75969 | 37466 | 62534 | 38504 | 30 |
| 80 | 76067 | 37611 | 62389 | 38456 | 20 |
| 90 | 76165 | 37756 | 62244 | 38409 | 10 |
| **79 oo** | 76263 | 37902 | 62098 | 38361 | **21 oo** |
| 10 | 76360 | 38047 | 61953 | 38313 | 90 |
| 20 | 76458 | 38192 | 61808 | 38266 | 80 |
| 30 | 76556 | 38338 | 61662 | 38218 | 70 |
| 40 | 76654 | 38483 | 61517 | 38171 | 60 |
| 50 | 76751 | 38628 | 61372 | 38123 | 50 |
| 60 | 76849 | 38774 | 61226 | 38075 | 40 |
| 70 | 76947 | 38919 | 61081 | 38028 | 30 |
| 80 | 77045 | 39064 | 60936 | 37980 | 20 |
| 90 | 77142 | 39210 | 60790 | 37932 | 10 |
| **80 oo** | 77240 | 39355 | 60645 | 37885 | **20 oo** |
| | **9.75** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 61g |
| | 97 | 145 | 145 | 48 | |

| | 146 | 145 | 98 | 97 | 48 | 47 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,6 | 14,5 | 9,8 | 9,7 | 4,8 | 4,7 | 1 |
| 2 | 29,2 | 29,0 | 19,6 | 19,4 | 9,6 | 9,4 | 2 |
| 3 | 43,8 | 43,5 | 29,4 | 29,1 | 14,4 | 14,1 | 3 |
| 4 | 58,4 | 58,0 | 39,2 | 38,8 | 19,2 | 18,8 | 4 |
| 5 | 73,0 | 72,5 | 49,0 | 48,5 | 24,0 | 23,5 | 5 |
| 6 | 87,6 | 87,0 | 58,8 | 58,2 | 28,8 | 28,2 | 6 |
| 7 | 102,2 | 101,5 | 68,6 | 67,9 | 33,6 | 32,9 | 7 |
| 8 | 116,8 | 116,0 | 78,4 | 77,6 | 38,4 | 37,6 | 8 |
| 9 | 131,4 | 130,5 | 88,2 | 87,3 | 43,2 | 42,3 | 9 |

| 38g | 98 | 146 | 146 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.84** | **0.15** | **9.91** | |
| **80 oo** | 77240 | 39355 | 60645 | 37885 | **20 oo** |
| 10 | 77338 | 39500 | 60500 | 37837 | 90 |
| 20 | 77435 | 39646 | 60354 | 37790 | 80 |
| 30 | 77533 | 39791 | 60209 | 37742 | 70 |
| 40 | 77631 | 39936 | 60064 | 37694 | 60 |
| 50 | 77729 | 40082 | 59918 | 37647 | 50 |
| 60 | 77826 | 40227 | 59773 | 37599 | 40 |
| 70 | 77924 | 40372 | 59628 | 37551 | 30 |
| 80 | 78022 | 40518 | 59482 | 37504 | 20 |
| 90 | 78119 | 40663 | 59337 | 37456 | 10 |
| **81 oo** | 78217 | 40808 | 59192 | 37409 | **19 oo** |
| 10 | 78315 | 40954 | 59046 | 37361 | 90 |
| 20 | 78412 | 41099 | 58901 | 37313 | 80 |
| 30 | 78510 | 41244 | 58756 | 37266 | 70 |
| 40 | 78608 | 41390 | 58610 | 37218 | 60 |
| 50 | 78705 | 41535 | 58465 | 37170 | 50 |
| 60 | 78803 | 41680 | 58320 | 37123 | 40 |
| 70 | 78901 | 41826 | 58174 | 37075 | 30 |
| 80 | 78998 | 41971 | 58029 | 37027 | 20 |
| 90 | 79096 | 42116 | 57884 | 36980 | 10 |
| **82 oo** | 79194 | 42262 | 57738 | 36932 | **18 oo** |
| 10 | 79291 | 42407 | 57593 | 36884 | 90 |
| 20 | 79389 | 42552 | 57448 | 36837 | 80 |
| 30 | 79487 | 42698 | 57302 | 36789 | 70 |
| 40 | 79584 | 42843 | 57157 | 36741 | 60 |
| 50 | 79682 | 42988 | 57012 | 36694 | 50 |
| 60 | 79780 | 43133 | 56867 | 36646 | 40 |
| 70 | 79877 | 43279 | 56721 | 36598 | 30 |
| 80 | 79975 | 43424 | 56576 | 36551 | 20 |
| 90 | 80072 | 43569 | 56431 | 36503 | 10 |
| **83 oo** | 80170 | 43715 | 56285 | 36455 | **17 oo** |
| 10 | 80268 | 43860 | 56140 | 36408 | 90 |
| 20 | 80365 | 44005 | 55995 | 36360 | 80 |
| 30 | 80463 | 44150 | 55850 | 36312 | 70 |
| 40 | 80560 | 44296 | 55704 | 36265 | 60 |
| 50 | 80658 | 44441 | 55559 | 36217 | 50 |
| 60 | 80756 | 44586 | 55414 | 36169 | 40 |
| 70 | 80853 | 44732 | 55268 | 36122 | 30 |
| 80 | 80951 | 44877 | 55123 | 36074 | 20 |
| 90 | 81048 | 45022 | 54978 | 36026 | 10 |
| **84 oo** | 81146 | 45167 | 54833 | 35979 | **16 oo** |
| 10 | 81244 | 45313 | 54687 | 35931 | 90 |
| 20 | 81341 | 45458 | 54542 | 35883 | 80 |
| 30 | 81439 | 45603 | 54397 | 35836 | 70 |
| 40 | 81536 | 45749 | 54251 | 35788 | 60 |
| 50 | 81634 | 45894 | 54106 | 35740 | 50 |
| 60 | 81731 | 46039 | 53961 | 35692 | 40 |
| 70 | 81829 | 46184 | 53816 | 35645 | 30 |
| 80 | 81927 | 46330 | 53670 | 35597 | 20 |
| 90 | 82024 | 46475 | 53525 | 35549 | 10 |
| **85 oo** | 82122 | 46620 | 53380 | 35502 | **15 oo** |
| | **9.75** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 61g |
| | 97 | 145 | 145 | 48 | |

| 38g | 98 | 146 | 146 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.84** | **0.15** | **9.91** | |
| **85 oo** | 82122 | 46620 | 53380 | 35502 | **15 oo** |
| 10 | 82219 | 46765 | 53235 | 35454 | 90 |
| 20 | 82317 | 46911 | 53089 | 35406 | 80 |
| 30 | 82414 | 47056 | 52944 | 35358 | 70 |
| 40 | 82512 | 47201 | 52799 | 35311 | 60 |
| 50 | 82609 | 47346 | 52654 | 35263 | 50 |
| 60 | 82707 | 47492 | 52508 | 35215 | 40 |
| 70 | 82805 | 47637 | 52363 | 35168 | 30 |
| 80 | 82902 | 47782 | 52218 | 35120 | 20 |
| 90 | 83000 | 47927 | 52073 | 35072 | 10 |
| **86 oo** | 83097 | 48073 | 51927 | 35024 | **14 oo** |
| 10 | 83195 | 48218 | 51782 | 34977 | 90 |
| 20 | 83292 | 48363 | 51637 | 34929 | 80 |
| 30 | 83390 | 48508 | 51492 | 34881 | 70 |
| 40 | 83487 | 48654 | 51346 | 34834 | 60 |
| 50 | 83585 | 48799 | 51201 | 34786 | 50 |
| 60 | 83682 | 48944 | 51056 | 34738 | 40 |
| 70 | 83780 | 49089 | 50911 | 34690 | 30 |
| 80 | 83877 | 49235 | 50765 | 34643 | 20 |
| 90 | 83975 | 49380 | 50620 | 34595 | 10 |
| **87 oo** | 84072 | 49525 | 50475 | 34547 | **13 oo** |
| 10 | 84170 | 49670 | 50330 | 34499 | 90 |
| 20 | 84267 | 49815 | 50185 | 34452 | 80 |
| 30 | 84365 | 49961 | 50039 | 34404 | 70 |
| 40 | 84462 | 50106 | 49894 | 34356 | 60 |
| 50 | 84560 | 50251 | 49749 | 34308 | 50 |
| 60 | 84657 | 50396 | 49604 | 34261 | 40 |
| 70 | 84754 | 50542 | 49458 | 34213 | 30 |
| 80 | 84852 | 50687 | 49313 | 34165 | 20 |
| 90 | 84949 | 50832 | 49168 | 34117 | 10 |
| **88 oo** | 85047 | 50977 | 49023 | 34070 | **12 oo** |
| 10 | 85144 | 51122 | 48878 | 34022 | 90 |
| 20 | 85242 | 51268 | 48732 | 33974 | 80 |
| 30 | 85339 | 51413 | 48587 | 33926 | 70 |
| 40 | 85437 | 51558 | 48442 | 33879 | 60 |
| 50 | 85534 | 51703 | 48297 | 33831 | 50 |
| 60 | 85632 | 51848 | 48152 | 33783 | 40 |
| 70 | 85729 | 51994 | 48006 | 33735 | 30 |
| 80 | 85826 | 52139 | 47861 | 33688 | 20 |
| 90 | 85924 | 52284 | 47716 | 33640 | 10 |
| **89 oo** | 86021 | 52429 | 47571 | 33592 | **11 oo** |
| 10 | 86119 | 52574 | 47426 | 33544 | 90 |
| 20 | 86216 | 52720 | 47280 | 33497 | 80 |
| 30 | 86314 | 52865 | 47135 | 33449 | 70 |
| 40 | 86411 | 53010 | 46990 | 33401 | 60 |
| 50 | 86508 | 53155 | 46845 | 33353 | 50 |
| 60 | 86606 | 53300 | 46700 | 33305 | 40 |
| 70 | 86703 | 53445 | 46555 | 33258 | 30 |
| 80 | 86801 | 53591 | 46409 | 33210 | 20 |
| 90 | 86898 | 53736 | 46264 | 33162 | 10 |
| **90 oo** | 86995 | 53881 | 46119 | 33114 | **10 oo** |
| | **9.75** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 61g |
| | 97 | 145 | 145 | 48 | |

| | 146 | 145 | 98 | 97 | 48 | 47 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,6 | 14,5 | 9,8 | 9,7 | 4,8 | 4,7 | 1 |
| 2 | 29,2 | 29,0 | 19,6 | 19,4 | 9,6 | 9,4 | 2 |
| 3 | 43,8 | 43,5 | 29,4 | 29,1 | 14,4 | 14,1 | 3 |
| 4 | 58,4 | 58,0 | 39,2 | 38,8 | 19,2 | 18,8 | 4 |
| 5 | 73,0 | 72,5 | 49,0 | 48,5 | 24,0 | 23,5 | 5 |
| 6 | 87,6 | 87,0 | 58,8 | 58,2 | 28,8 | 28,2 | 6 |
| 7 | 102,2 | 101,5 | 68,6 | 67,9 | 33,6 | 32,9 | 7 |
| 8 | 116,8 | 116,0 | 78,4 | 77,6 | 38,4 | 37,6 | 8 |
| 9 | 131,4 | 130,5 | 88,2 | 87,3 | 43,2 | 42,3 | 9 |

| 38g | 98 | 146 | 146 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.84** | **0.15** | **9.91** | |
| **90 00** | 86995 | 53881 | 46119 | 33114 | **10 00** |
| 10 | 87093 | 54026 | 45974 | 33067 | 90 |
| 20 | 87190 | 54171 | 45829 | 33019 | 80 |
| 30 | 87287 | 54317 | 45683 | 32971 | 70 |
| 40 | 87385 | 54462 | 45538 | 32923 | 60 |
| 50 | 87482 | 54607 | 45393 | 32875 | 50 |
| 60 | 87580 | 54752 | 45248 | 32828 | 40 |
| 70 | 87677 | 54897 | 45103 | 32780 | 30 |
| 80 | 87774 | 55042 | 44958 | 32732 | 20 |
| 90 | 87872 | 55187 | 44813 | 32684 | 10 |
| **91 00** | 87969 | 55333 | 44667 | 32636 | **09 00** |
| 10 | 88066 | 55478 | 44522 | 32589 | 90 |
| 20 | 88164 | 55623 | 44377 | 32541 | 80 |
| 30 | 88261 | 55768 | 44232 | 32493 | 70 |
| 40 | 88358 | 55913 | 44087 | 32445 | 60 |
| 50 | 88456 | 56058 | 43942 | 32397 | 50 |
| 60 | 88553 | 56204 | 43796 | 32350 | 40 |
| 70 | 88650 | 56349 | 43651 | 32302 | 30 |
| 80 | 88748 | 56494 | 43506 | 32254 | 20 |
| 90 | 88845 | 56639 | 43361 | 32206 | 10 |
| **92 00** | 88942 | 56784 | 43216 | 32158 | **08 00** |
| 10 | 89040 | 56929 | 43071 | 32111 | 90 |
| 20 | 89137 | 57074 | 42926 | 32063 | 80 |
| 30 | 89234 | 57220 | 42780 | 32015 | 70 |
| 40 | 89332 | 57365 | 42635 | 31967 | 60 |
| 50 | 89429 | 57510 | 42490 | 31919 | 50 |
| 60 | 89526 | 57655 | 42345 | 31871 | 40 |
| 70 | 89624 | 57800 | 42200 | 31824 | 30 |
| 80 | 89721 | 57945 | 42055 | 31776 | 20 |
| 90 | 89818 | 58090 | 41910 | 31728 | 10 |
| **93 00** | 89916 | 58236 | 41764 | 31680 | **07 00** |
| 10 | 90013 | 58381 | 41619 | 31632 | 90 |
| 20 | 90110 | 58526 | 41474 | 31584 | 80 |
| 30 | 90207 | 58671 | 41329 | 31537 | 70 |
| 40 | 90305 | 58816 | 41184 | 31489 | 60 |
| 50 | 90402 | 58961 | 41039 | 31441 | 50 |
| 60 | 90499 | 59106 | 40894 | 31393 | 40 |
| 70 | 90597 | 59251 | 40749 | 31345 | 30 |
| 80 | 90694 | 59396 | 40604 | 31297 | 20 |
| 90 | 90791 | 59542 | 40458 | 31250 | 10 |
| **94 00** | 90888 | 59687 | 40313 | 31202 | **06 00** |
| 10 | 90986 | 59832 | 40168 | 31154 | 90 |
| 20 | 91083 | 59977 | 40023 | 31106 | 80 |
| 30 | 91180 | 60122 | 39878 | 31058 | 70 |
| 40 | 91277 | 60267 | 39733 | 31010 | 60 |
| 50 | 91375 | 60412 | 39588 | 30962 | 50 |
| 60 | 91472 | 60557 | 39443 | 30915 | 40 |
| 70 | 91569 | 60702 | 39298 | 30867 | 30 |
| 80 | 91666 | 60847 | 39153 | 30819 | 20 |
| 90 | 91764 | 60993 | 39007 | 30771 | 10 |
| **95 00** | 91861 | 61138 | 38862 | 30723 | **05 00** |
| | **9.75** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 97 | 145 | 145 | 48 | 61g |

| 38g | 98 | 146 | 146 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.84** | **0.15** | **9.91** | |
| **95 00** | 91861 | 61138 | 38862 | 30723 | **05 00** |
| 10 | 91958 | 61283 | 38717 | 30675 | 90 |
| 20 | 92055 | 61428 | 38572 | 30627 | 80 |
| 30 | 92152 | 61573 | 38427 | 30579 | 70 |
| 40 | 92250 | 61718 | 38282 | 30532 | 60 |
| 50 | 92347 | 61863 | 38137 | 30484 | 50 |
| 60 | 92444 | 62008 | 37992 | 30436 | 40 |
| 70 | 92541 | 62153 | 37847 | 30388 | 30 |
| 80 | 92639 | 62298 | 37702 | 30340 | 20 |
| 90 | 92736 | 62443 | 37557 | 30292 | 10 |
| **96 00** | 92833 | 62589 | 37411 | 30244 | **04 00** |
| 10 | 92930 | 62734 | 37266 | 30196 | 90 |
| 20 | 93027 | 62879 | 37121 | 30149 | 80 |
| 30 | 93124 | 63024 | 36976 | 30101 | 70 |
| 40 | 93222 | 63169 | 36831 | 30053 | 60 |
| 50 | 93319 | 63314 | 36686 | 30005 | 50 |
| 60 | 93416 | 63459 | 36541 | 29957 | 40 |
| 70 | 93513 | 63604 | 36396 | 29909 | 30 |
| 80 | 93610 | 63749 | 36251 | 29861 | 20 |
| 90 | 93708 | 63894 | 36106 | 29813 | 10 |
| **97 00** | 93805 | 64039 | 35961 | 29765 | **03 00** |
| 10 | 93902 | 64184 | 35816 | 29718 | 90 |
| 20 | 93999 | 64329 | 35671 | 29670 | 80 |
| 30 | 94096 | 64474 | 35526 | 29622 | 70 |
| 40 | 94193 | 64619 | 35381 | 29574 | 60 |
| 50 | 94290 | 64764 | 35236 | 29526 | 50 |
| 60 | 94388 | 64910 | 35090 | 29478 | 40 |
| 70 | 94485 | 65055 | 34945 | 29430 | 30 |
| 80 | 94582 | 65200 | 34800 | 29382 | 20 |
| 90 | 94679 | 65345 | 34655 | 29334 | 10 |
| **98 00** | 94776 | 65490 | 34510 | 29286 | **02 00** |
| 10 | 94873 | 65635 | 34365 | 29239 | 90 |
| 20 | 94970 | 65780 | 34220 | 29191 | 80 |
| 30 | 95068 | 65925 | 34075 | 29143 | 70 |
| 40 | 95165 | 66070 | 33930 | 29095 | 60 |
| 50 | 95262 | 66215 | 33785 | 29047 | 50 |
| 60 | 95359 | 66360 | 33640 | 28999 | 40 |
| 70 | 95456 | 66505 | 33495 | 28951 | 30 |
| 80 | 95553 | 66650 | 33350 | 28903 | 20 |
| 90 | 95650 | 66795 | 33205 | 28855 | 10 |
| **99 00** | 95747 | 66940 | 33060 | 28807 | **01 00** |
| 10 | 95844 | 67085 | 32915 | 28759 | 90 |
| 20 | 95941 | 67230 | 32770 | 28711 | 80 |
| 30 | 96039 | 67375 | 32625 | 28663 | 70 |
| 40 | 96136 | 67520 | 32480 | 28615 | 60 |
| 50 | 96233 | 67665 | 32335 | 28568 | 50 |
| 60 | 96330 | 67810 | 32190 | 28520 | 40 |
| 70 | 96427 | 67955 | 32045 | 28472 | 30 |
| 80 | 96524 | 68100 | 31900 | 28424 | 20 |
| 90 | 96621 | 68245 | 31755 | 28376 | 10 |
| **100 00** | 96718 | 68390 | 31610 | 28328 | **00 00** |
| | **9.75** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 97 | 145 | 145 | 48 | 61g |

| | 146 | 145 | 98 | 97 | 48 | 47 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,6 | 14,5 | 9,8 | 9,7 | 4,8 | 4,7 | 1 |
| 2 | 29,2 | 29,0 | 19,6 | 19,4 | 9,6 | 9,4 | 2 |
| 3 | 43,8 | 43,5 | 29,4 | 29,1 | 14,4 | 14,1 | 3 |
| 4 | 58,4 | 58,0 | 39,2 | 38,8 | 19,2 | 18,8 | 4 |
| 5 | 73,0 | 72,5 | 49,0 | 48,5 | 24,0 | 23,5 | 5 |
| 6 | 87,6 | 87,0 | 58,8 | 58,2 | 28,8 | 28,2 | 6 |
| 7 | 102,2 | 101,5 | 68,6 | 67,9 | 33,6 | 32,9 | 7 |
| 8 | 116,8 | 116,0 | 78,4 | 77,6 | 38,4 | 37,6 | 8 |
| 9 | 131,4 | 130,5 | 88,2 | 87,3 | 43,2 | 42,3 | 9 |

| 39g | 98 | 145 | 145 | 47 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.75** | **9.84** | **0.15** | **9.91** | |
| **00 oo** | 96718 | 68390 | 31610 | 28328 | **100 oo** |
| 10 | 96815 | 68535 | 31465 | 28280 | 90 |
| 20 | 96912 | 68680 | 31320 | 28232 | 80 |
| 30 | 97009 | 68825 | 31175 | 28184 | 70 |
| 40 | 97106 | 68970 | 31030 | 28136 | 60 |
| 50 | 97203 | 69115 | 30885 | 28088 | 50 |
| 60 | 97300 | 69260 | 30740 | 28040 | 40 |
| 70 | 97397 | 69405 | 30595 | 27992 | 30 |
| 80 | 97495 | 69550 | 30450 | 27944 | 20 |
| 90 | 97592 | 69695 | 30305 | 27896 | 10 |
| **01 oo** | 97689 | 69840 | 30160 | 27848 | **99 oo** |
| 10 | 97786 | 69985 | 30015 | 27800 | 90 |
| 20 | 97883 | 70130 | 29870 | 27752 | 80 |
| 30 | 97980 | 70275 | 29725 | 27704 | 70 |
| 40 | 98077 | 70420 | 29580 | 27656 | 60 |
| 50 | 98174 | 70565 | 29435 | 27608 | 50 |
| 60 | 98271 | 70710 | 29290 | 27561 | 40 |
| 70 | 98368 | 70855 | 29145 | 27513 | 30 |
| 80 | 98465 | 71000 | 29000 | 27465 | 20 |
| 90 | 98562 | 71145 | 28855 | 27417 | 10 |
| **02 oo** | 98659 | 71290 | 28710 | 27369 | **98 oo** |
| 10 | 98756 | 71435 | 28565 | 27321 | 90 |
| 20 | 98853 | 71580 | 28420 | 27273 | 80 |
| 30 | 98950 | 71725 | 28275 | 27225 | 70 |
| 40 | 99047 | 71870 | 28130 | 27177 | 60 |
| 50 | 99144 | 72015 | 27985 | 27129 | 50 |
| 60 | 99241 | 72160 | 27840 | 27081 | 40 |
| 70 | 99338 | 72305 | 27695 | 27033 | 30 |
| 80 | 99435 | 72450 | 27550 | 26985 | 20 |
| 90 | 99532 | 72595 | 27405 | 26937 | 10 |
| **03 oo** | 99629 | 72740 | 27260 | 26889 | **97 oo** |
| 10 | 99726 | 72885 | 27115 | 26841 | 90 |
| 20 | 99823 | 73030 | 26970 | 26793 | 80 |
| 30 | 99920 | 73175 | 26825 | 26745 | 70 |
| 40 | *00016 | 73320 | 26680 | 26697 | 60 |
| 50 | *00113 | 73465 | 26535 | 26649 | 50 |
| 60 | *00210 | 73610 | 26390 | 26601 | 40 |
| 70 | *00307 | 73755 | 26245 | 26553 | 30 |
| 80 | *00404 | 73899 | 26101 | 26505 | 20 |
| 90 | *00501 | 74044 | 25956 | 26457 | 10 |
| **04 oo** | *00598 | 74189 | 25811 | 26409 | **96 oo** |
| 10 | *00695 | 74334 | 25666 | 26361 | 90 |
| 20 | *00792 | 74479 | 25521 | 26313 | 80 |
| 30 | *00889 | 74624 | 25376 | 26265 | 70 |
| 40 | *00986 | 74769 | 25231 | 26217 | 60 |
| 50 | *01083 | 74914 | 25086 | 26169 | 50 |
| 60 | *01180 | 75059 | 24941 | 26121 | 40 |
| 70 | *01277 | 75204 | 24796 | 26073 | 30 |
| 80 | *01374 | 75349 | 24651 | 26025 | 20 |
| 90 | *01470 | 75494 | 24506 | 25977 | 10 |
| **05 oo** | *01567 | 75639 | 24361 | 25929 | **95 oo** |
| | ***9.76** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 96 | 144 | 144 | 48 | |

| 39g | 97 | 145 | 145 | 48 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.84** | **0.15** | **9.91** | |
| **05 oo** | 01567 | 75639 | 24361 | 25929 | **95 oo** |
| 10 | 01664 | 75784 | 24216 | 25881 | 90 |
| 20 | 01761 | 75929 | 24071 | 25833 | 80 |
| 30 | 01858 | 76074 | 23926 | 25785 | 70 |
| 40 | 01955 | 76218 | 23782 | 25736 | 60 |
| 50 | 02052 | 76363 | 23637 | 25688 | 50 |
| 60 | 02149 | 76508 | 23492 | 25640 | 40 |
| 70 | 02246 | 76653 | 23347 | 25592 | 30 |
| 80 | 02342 | 76798 | 23202 | 25544 | 20 |
| 90 | 02439 | 76943 | 23057 | 25496 | 10 |
| **06 oo** | 02536 | 77088 | 22912 | 25448 | **94 oo** |
| 10 | 02633 | 77233 | 22767 | 25400 | 90 |
| 20 | 02730 | 77378 | 22622 | 25352 | 80 |
| 30 | 02827 | 77523 | 22477 | 25304 | 70 |
| 40 | 02924 | 77668 | 22332 | 25256 | 60 |
| 50 | 03021 | 77812 | 22188 | 25208 | 50 |
| 60 | 03117 | 77957 | 22043 | 25160 | 40 |
| 70 | 03214 | 78102 | 21898 | 25112 | 30 |
| 80 | 03311 | 78247 | 21753 | 25064 | 20 |
| 90 | 03408 | 78392 | 21608 | 25016 | 10 |
| **07 oo** | 03505 | 78537 | 21463 | 24968 | **93 oo** |
| 10 | 03602 | 78682 | 21318 | 24920 | 90 |
| 20 | 03698 | 78827 | 21173 | 24872 | 80 |
| 30 | 03795 | 78972 | 21028 | 24824 | 70 |
| 40 | 03892 | 79117 | 20883 | 24776 | 60 |
| 50 | 03989 | 79261 | 20739 | 24727 | 50 |
| 60 | 04086 | 79406 | 20594 | 24679 | 40 |
| 70 | 04183 | 79551 | 20449 | 24631 | 30 |
| 80 | 04279 | 79696 | 20304 | 24583 | 20 |
| 90 | 04376 | 79841 | 20159 | 24535 | 10 |
| **08 oo** | 04473 | 79986 | 20014 | 24487 | **92 oo** |
| 10 | 04570 | 80131 | 19869 | 24439 | 90 |
| 20 | 04667 | 80276 | 19724 | 24391 | 80 |
| 30 | 04763 | 80421 | 19579 | 24343 | 70 |
| 40 | 04860 | 80565 | 19435 | 24295 | 60 |
| 50 | 04957 | 80710 | 19290 | 24247 | 50 |
| 60 | 05054 | 80855 | 19145 | 24199 | 40 |
| 70 | 05151 | 81000 | 19000 | 24151 | 30 |
| 80 | 05247 | 81145 | 18855 | 24102 | 20 |
| 90 | 05344 | 81290 | 18710 | 24054 | 10 |
| **09 oo** | 05441 | 81435 | 18565 | 24006 | **91 oo** |
| 10 | 05538 | 81579 | 18421 | 23958 | 90 |
| 20 | 05634 | 81724 | 18276 | 23910 | 80 |
| 30 | 05731 | 81869 | 18131 | 23862 | 70 |
| 40 | 05828 | 82014 | 17986 | 23814 | 60 |
| 50 | 05925 | 82159 | 17841 | 23766 | 50 |
| 60 | 06021 | 82304 | 17696 | 23718 | 40 |
| 70 | 06118 | 82449 | 17551 | 23670 | 30 |
| 80 | 06215 | 82593 | 17407 | 23622 | 20 |
| 90 | 06312 | 82738 | 17262 | 23573 | 10 |
| **10 oo** | 06408 | 82883 | 17117 | 23525 | **90 oo** |
| | **9.76** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 96 | 144 | 144 | 49 | |

| | 145 | 144 | 98 | 97 | 96 | 49 | 48 | 47 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14,5 | 14,4 | 9,8 | 9,7 | 9,6 | 4,9 | 4,8 | 4,7 | 1 |
| 2 | 29,0 | 28,8 | 19,6 | 19,4 | 19,2 | 9,8 | 9,6 | 9,4 | 2 |
| 3 | 43,5 | 43,2 | 29,4 | 29,1 | 28,8 | 14,7 | 14,4 | 14,1 | 3 |
| 4 | 58,0 | 57,6 | 39,2 | 38,8 | 38,4 | 19,6 | 19,2 | 18,8 | 4 |
| 5 | 72,5 | 72,0 | 49,0 | 48,5 | 48,0 | 24,5 | 24,0 | 23,5 | 5 |
| 6 | 87,0 | 86,4 | 58,8 | 58,2 | 57,6 | 29,4 | 28,8 | 28,2 | 6 |
| 7 | 101,5 | 100,8 | 68,6 | 67,9 | 67,2 | 34,3 | 33,6 | 32,9 | 7 |
| 8 | 116,0 | 115,2 | 78,4 | 77,6 | 76,8 | 39,2 | 38,4 | 37,6 | 8 |
| 9 | 130,5 | 129,6 | 88,2 | 87,3 | 86,4 | 44,1 | 43,2 | 42,3 | 9 |

| **39g** | 97 | 145 | 145 | 48 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.84** | **0.15** | **9.91** | |
| **10 00** | 06408 | 82883 | 17117 | 23525 | **90 00** |
| 10 | 06505 | 83028 | 16972 | 23477 | 90 |
| 20 | 06602 | 83173 | 16827 | 23429 | 80 |
| 30 | 06699 | 83318 | 16682 | 23381 | 70 |
| 40 | 06795 | 83463 | 16537 | 23333 | 60 |
| 50 | 06892 | 83607 | 16393 | 23285 | 50 |
| 60 | 06989 | 83752 | 16248 | 23237 | 40 |
| 70 | 07086 | 83897 | 16103 | 23189 | 30 |
| 80 | 07182 | 84042 | 15958 | 23140 | 20 |
| 90 | 07279 | 84187 | 15813 | 23092 | 10 |
| **11 00** | 07376 | 84332 | 15668 | 23044 | **89 00** |
| 10 | 07472 | 84476 | 15524 | 22996 | 90 |
| 20 | 07569 | 84621 | 15379 | 22948 | 80 |
| 30 | 07666 | 84766 | 15234 | 22900 | 70 |
| 40 | 07763 | 84911 | 15089 | 22852 | 60 |
| 50 | 07859 | 85056 | 14944 | 22804 | 50 |
| 60 | 07956 | 85201 | 14799 | 22755 | 40 |
| 70 | 08053 | 85345 | 14655 | 22707 | 30 |
| 80 | 08149 | 85490 | 14510 | 22659 | 20 |
| 90 | 08246 | 85635 | 14365 | 22611 | 10 |
| **12 00** | 08343 | 85780 | 14220 | 22563 | **88 00** |
| 10 | 08439 | 85925 | 14075 | 22515 | 90 |
| 20 | 08536 | 86069 | 13931 | 22467 | 80 |
| 30 | 08633 | 86214 | 13786 | 22418 | 70 |
| 40 | 08729 | 86359 | 13641 | 22370 | 60 |
| 50 | 08826 | 86504 | 13496 | 22322 | 50 |
| 60 | 08923 | 86649 | 13351 | 22274 | 40 |
| 70 | 09019 | 86793 | 13207 | 22226 | 30 |
| 80 | 09116 | 86938 | 13062 | 22178 | 20 |
| 90 | 09213 | 87083 | 12917 | 22130 | 10 |
| **13 00** | 09309 | 87228 | 12772 | 22081 | **87 00** |
| 10 | 09406 | 87373 | 12627 | 22033 | 90 |
| 20 | 09503 | 87517 | 12483 | 21985 | 80 |
| 30 | 09599 | 87662 | 12338 | 21937 | 70 |
| 40 | 09696 | 87807 | 12193 | 21889 | 60 |
| 50 | 09792 | 87952 | 12048 | 21841 | 50 |
| 60 | 09889 | 88097 | 11903 | 21793 | 40 |
| 70 | 09986 | 88241 | 11759 | 21744 | 30 |
| 80 | 10082 | 88386 | 11614 | 21696 | 20 |
| 90 | 10179 | 88531 | 11469 | 21648 | 10 |
| **14 00** | 10276 | 88676 | 11324 | 21600 | **86 00** |
| 10 | 10372 | 88821 | 11179 | 21552 | 90 |
| 20 | 10469 | 88965 | 11035 | 21504 | 80 |
| 30 | 10565 | 89110 | 10890 | 21455 | 70 |
| 40 | 10662 | 89255 | 10745 | 21407 | 60 |
| 50 | 10759 | 89400 | 10600 | 21359 | 50 |
| 60 | 10855 | 89544 | 10456 | 21311 | 40 |
| 70 | 10952 | 89689 | 10311 | 21263 | 30 |
| 80 | 11048 | 89834 | 10166 | 21214 | 20 |
| 90 | 11145 | 89979 | 10021 | 21166 | 10 |
| **15 00** | 11242 | 90123 | 09877 | 21118 | **85 00** |
| | **9.76** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **60g** |
| | 96 | 144 | 144 | 49 | |

| **39g** | 97 | 145 | 145 | 48 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.84** | **0.15** | **9.91** | |
| **15 00** | 11242 | 90123 | 09877 | 21118 | **85 00** |
| 10 | 11338 | 90268 | 09732 | 21070 | 90 |
| 20 | 11435 | 90413 | 09587 | 21022 | 80 |
| 30 | 11531 | 90558 | 09442 | 20974 | 70 |
| 40 | 11628 | 90703 | 09297 | 20925 | 60 |
| 50 | 11724 | 90847 | 09153 | 20877 | 50 |
| 60 | 11821 | 90992 | 09008 | 20829 | 40 |
| 70 | 11918 | 91137 | 08863 | 20781 | 30 |
| 80 | 12014 | 91282 | 08718 | 20733 | 20 |
| 90 | 12111 | 91426 | 08574 | 20684 | 10 |
| **16 00** | 12207 | 91571 | 08429 | 20636 | **84 00** |
| 10 | 12304 | 91716 | 08284 | 20588 | 90 |
| 20 | 12400 | 91861 | 08139 | 20540 | 80 |
| 30 | 12497 | 92005 | 07995 | 20492 | 70 |
| 40 | 12593 | 92150 | 07850 | 20443 | 60 |
| 50 | 12690 | 92295 | 07705 | 20395 | 50 |
| 60 | 12786 | 92440 | 07560 | 20347 | 40 |
| 70 | 12883 | 92584 | 07416 | 20299 | 30 |
| 80 | 12980 | 92729 | 07271 | 20250 | 20 |
| 90 | 13076 | 92874 | 07126 | 20202 | 10 |
| **17 00** | 13173 | 93019 | 06981 | 20154 | **83 00** |
| 10 | 13269 | 93163 | 06837 | 20106 | 90 |
| 20 | 13366 | 93308 | 06692 | 20058 | 80 |
| 30 | 13462 | 93453 | 06547 | 20009 | 70 |
| 40 | 13559 | 93597 | 06403 | 19961 | 60 |
| 50 | 13655 | 93742 | 06258 | 19913 | 50 |
| 60 | 13752 | 93887 | 06113 | 19865 | 40 |
| 70 | 13848 | 94032 | 05968 | 19816 | 30 |
| 80 | 13945 | 94176 | 05824 | 19768 | 20 |
| 90 | 14041 | 94321 | 05679 | 19720 | 10 |
| **18 00** | 14138 | 94466 | 05534 | 19672 | **82 00** |
| 10 | 14234 | 94610 | 05390 | 19624 | 90 |
| 20 | 14331 | 94755 | 05245 | 19575 | 80 |
| 30 | 14427 | 94900 | 05100 | 19527 | 70 |
| 40 | 14523 | 95045 | 04955 | 19479 | 60 |
| 50 | 14620 | 95189 | 04811 | 19431 | 50 |
| 60 | 14716 | 95334 | 04666 | 19382 | 40 |
| 70 | 14813 | 95479 | 04521 | 19334 | 30 |
| 80 | 14909 | 95623 | 04377 | 19286 | 20 |
| 90 | 15006 | 95768 | 04232 | 19238 | 10 |
| **19 00** | 15102 | 95913 | 04087 | 19189 | **81 00** |
| 10 | 15199 | 96058 | 03942 | 19141 | 90 |
| 20 | 15295 | 96202 | 03798 | 19093 | 80 |
| 30 | 15392 | 96347 | 03653 | 19045 | 70 |
| 40 | 15488 | 96492 | 03508 | 18996 | 60 |
| 50 | 15584 | 96636 | 03364 | 18948 | 50 |
| 60 | 15681 | 96781 | 03219 | 18900 | 40 |
| 70 | 15777 | 96926 | 03074 | 18852 | 30 |
| 80 | 15874 | 97070 | 02930 | 18803 | 20 |
| 90 | 15970 | 97215 | 02785 | 18755 | 10 |
| **20 00** | 16067 | 97360 | 02640 | 18707 | **80 00** |
| | **9.76** | **9.84** | **0.15** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | **60g** |
| | 96 | 144 | 144 | 49 | |

| | 145 | 144 | 97 | 96 | 49 | 48 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,5 | 14,4 | 9,7 | 9,6 | 4,9 | 4,8 | 1 |
| 2 | 29,0 | 28,8 | 19,4 | 19,2 | 9,8 | 9,6 | 2 |
| 3 | 43,5 | 43,2 | 29,1 | 28,8 | 14,7 | 14,4 | 3 |
| 4 | 58,0 | 57,6 | 38,8 | 38,4 | 19,6 | 19,2 | 4 |
| 5 | 72,5 | 72,0 | 48,5 | 48,0 | 24,5 | 24,0 | 5 |
| 6 | 87,0 | 86,4 | 58,2 | 57,6 | 29,4 | 28,8 | 6 |
| 7 | 101,5 | 100,8 | 67,9 | 67,2 | 34,3 | 33,6 | 7 |
| 8 | 116,0 | 115,2 | 77,6 | 76,8 | 39,2 | 38,4 | 8 |
| 9 | 130,5 | 129,6 | 87,3 | 86,4 | 44,1 | 43,2 | 9 |

| 39g | 97 | 145 | 145 | 48 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | ***9.84** | ***0.15** | **9.91** | |
| **20 oo** | 16067 | *97360 | *02640 | 18707 | **80 oo** |
| 10 | 16163 | *97504 | *02496 | 18659 | 90 |
| 20 | 16259 | *97649 | *02351 | 18610 | 80 |
| 30 | 16356 | *97794 | *02206 | 18562 | 70 |
| 40 | 16452 | *97939 | *02061 | 18514 | 60 |
| 50 | 16549 | *98083 | *01917 | 18465 | 50 |
| 60 | 16645 | *98228 | *01772 | 18417 | 40 |
| 70 | 16741 | *98373 | *01627 | 18369 | 30 |
| 80 | 16838 | *98517 | *01483 | 18321 | 20 |
| 90 | 16934 | *98662 | *01338 | 18272 | 10 |
| **21 oo** | 17031 | *98807 | *01193 | 18224 | **79 oo** |
| 10 | 17127 | *98951 | *01049 | 18176 | 90 |
| 20 | 17223 | *99096 | *00904 | 18127 | 80 |
| 30 | 17320 | *99241 | *00759 | 18079 | 70 |
| 40 | 17416 | *99385 | *00615 | 18031 | 60 |
| 50 | 17513 | *99530 | *00470 | 17983 | 50 |
| 60 | 17609 | *99675 | *00325 | 17934 | 40 |
| 70 | 17705 | *99819 | *00181 | 17886 | 30 |
| 80 | 17802 | *99964 | *00036 | 17838 | 20 |
| 90 | 17898 | 00109 | 99891 | 17789 | 10 |
| **22 oo** | 17994 | 00253 | 99747 | 17741 | **78 oo** |
| 10 | 18091 | 00398 | 99602 | 17693 | 90 |
| 20 | 18187 | 00543 | 99457 | 17645 | 80 |
| 30 | 18283 | 00687 | 99313 | 17596 | 70 |
| 40 | 18380 | 00832 | 99168 | 17548 | 60 |
| 50 | 18476 | 00976 | 99024 | 17500 | 50 |
| 60 | 18572 | 01121 | 98879 | 17451 | 40 |
| 70 | 18669 | 01266 | 98734 | 17403 | 30 |
| 80 | 18765 | 01410 | 98590 | 17355 | 20 |
| 90 | 18861 | 01555 | 98445 | 17306 | 10 |
| **23 oo** | 18958 | 01700 | 98300 | 17258 | **77 oo** |
| 10 | 19054 | 01844 | 98156 | 17210 | 90 |
| 20 | 19150 | 01989 | 98011 | 17161 | 80 |
| 30 | 19247 | 02134 | 97866 | 17113 | 70 |
| 40 | 19343 | 02278 | 97722 | 17065 | 60 |
| 50 | 19439 | 02423 | 97577 | 17016 | 50 |
| 60 | 19536 | 02567 | 97433 | 16968 | 40 |
| 70 | 19632 | 02712 | 97288 | 16920 | 30 |
| 80 | 19728 | 02857 | 97143 | 16872 | 20 |
| 90 | 19825 | 03001 | 96999 | 16823 | 10 |
| **24 oo** | 19921 | 03146 | 96854 | 16775 | **76 oo** |
| 10 | 20017 | 03291 | 96709 | 16727 | 90 |
| 20 | 20113 | 03435 | 96565 | 16678 | 80 |
| 30 | 20210 | 03580 | 96420 | 16630 | 70 |
| 40 | 20306 | 03724 | 96276 | 16582 | 60 |
| 50 | 20402 | 03869 | 96131 | 16533 | 50 |
| 60 | 20499 | 04014 | 95986 | 16485 | 40 |
| 70 | 20595 | 04158 | 95842 | 16437 | 30 |
| 80 | 20691 | 04303 | 95697 | 16388 | 20 |
| 90 | 20787 | 04448 | 95552 | 16340 | 10 |
| **25 oo** | 20884 | 04592 | 95408 | 16291 | **75 oo** |
| | **9.76** | **9.85** | **0.14** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 96 | 144 | 144 | 49 | |

| 39g | 97 | 145 | 145 | 48 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.91** | |
| **25 oo** | 20884 | 04592 | 95408 | 16291 | **75 oo** |
| 10 | 20980 | 04737 | 95263 | 16243 | 90 |
| 20 | 21076 | 04881 | 95119 | 16195 | 80 |
| 30 | 21172 | 05026 | 94974 | 16146 | 70 |
| 40 | 21269 | 05171 | 94829 | 16098 | 60 |
| 50 | 21365 | 05315 | 94685 | 16050 | 50 |
| 60 | 21461 | 05460 | 94540 | 16001 | 40 |
| 70 | 21557 | 05604 | 94396 | 15953 | 30 |
| 80 | 21654 | 05749 | 94251 | 15905 | 20 |
| 90 | 21750 | 05894 | 94106 | 15856 | 10 |
| **26 oo** | 21846 | 06038 | 93962 | 15808 | **74 oo** |
| 10 | 21942 | 06183 | 93817 | 15760 | 90 |
| 20 | 22038 | 06327 | 93673 | 15711 | 80 |
| 30 | 22135 | 06472 | 93528 | 15663 | 70 |
| 40 | 22231 | 06616 | 93384 | 15614 | 60 |
| 50 | 22327 | 06761 | 93239 | 15566 | 50 |
| 60 | 22423 | 06906 | 93094 | 15518 | 40 |
| 70 | 22520 | 07050 | 92950 | 15469 | 30 |
| 80 | 22616 | 07195 | 92805 | 15421 | 20 |
| 90 | 22712 | 07339 | 92661 | 15373 | 10 |
| **27 oo** | 22808 | 07484 | 92516 | 15324 | **73 oo** |
| 10 | 22904 | 07628 | 92372 | 15276 | 90 |
| 20 | 23001 | 07773 | 92227 | 15227 | 80 |
| 30 | 23097 | 07918 | 92082 | 15179 | 70 |
| 40 | 23193 | 08062 | 91938 | 15131 | 60 |
| 50 | 23289 | 08207 | 91793 | 15082 | 50 |
| 60 | 23385 | 08351 | 91649 | 15034 | 40 |
| 70 | 23481 | 08496 | 91504 | 14986 | 30 |
| 80 | 23578 | 08640 | 91360 | 14937 | 20 |
| 90 | 23674 | 08785 | 91215 | 14889 | 10 |
| **28 oo** | 23770 | 08930 | 91070 | 14840 | **72 oo** |
| 10 | 23866 | 09074 | 90926 | 14792 | 90 |
| 20 | 23962 | 09219 | 90781 | 14744 | 80 |
| 30 | 24058 | 09363 | 90637 | 14695 | 70 |
| 40 | 24155 | 09508 | 90492 | 14647 | 60 |
| 50 | 24251 | 09652 | 90348 | 14598 | 50 |
| 60 | 24347 | 09797 | 90203 | 14550 | 40 |
| 70 | 24443 | 09941 | 90059 | 14502 | 30 |
| 80 | 24539 | 10086 | 89914 | 14453 | 20 |
| 90 | 24635 | 10231 | 89769 | 14405 | 10 |
| **29 oo** | 24731 | 10375 | 89625 | 14356 | **71 oo** |
| 10 | 24828 | 10520 | 89480 | 14308 | 90 |
| 20 | 24924 | 10664 | 89336 | 14260 | 80 |
| 30 | 25020 | 10809 | 89191 | 14211 | 70 |
| 40 | 25116 | 10953 | 89047 | 14163 | 60 |
| 50 | 25212 | 11098 | 88902 | 14114 | 50 |
| 60 | 25308 | 11242 | 88758 | 14066 | 40 |
| 70 | 25404 | 11387 | 88613 | 14017 | 30 |
| 80 | 25500 | 11531 | 88469 | 13969 | 20 |
| 90 | 25596 | 11676 | 88324 | 13921 | 10 |
| **30 oo** | 25693 | 11820 | 88180 | 13872 | **70 oo** |
| | **9.76** | **9.85** | **0.14** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 96 | 144 | 144 | 49 | |

| | 145 | 144 | 97 | 96 | 49 | 48 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,5 | 14,4 | 9,7 | 9,6 | 4,9 | 4,8 | 1 |
| 2 | 29,0 | 28,8 | 19,4 | 19,2 | 9,8 | 9,6 | 2 |
| 3 | 43,5 | 43,2 | 29,1 | 28,8 | 14,7 | 14,4 | 3 |
| 4 | 58,0 | 57,6 | 38,8 | 38,4 | 19,6 | 19,2 | 4 |
| 5 | 72,5 | 72,0 | 48,5 | 48,0 | 24,5 | 24,0 | 5 |
| 6 | 87,0 | 86,4 | 58,2 | 57,6 | 29,4 | 28,8 | 6 |
| 7 | 101,5 | 100,8 | 67,9 | 67,2 | 34,3 | 33,6 | 7 |
| 8 | 116,0 | 115,2 | 77,6 | 76,8 | 39,2 | 38,4 | 8 |
| 9 | 130,5 | 129,6 | 87,3 | 86,4 | 44,1 | 43,2 | 9 |

| 39g | 97 | 145 | 145 | 48 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.91** | |
| **30 oo** | 25693 | 11820 | 88180 | 13872 | **70 oo** |
| 10 | 25789 | 11965 | 88035 | 13824 | 90 |
| 20 | 25885 | 12109 | 87891 | 13775 | 80 |
| 30 | 25981 | 12254 | 87746 | 13727 | 70 |
| 40 | 26077 | 12399 | 87601 | 13678 | 60 |
| 50 | 26173 | 12543 | 87457 | 13630 | 50 |
| 60 | 26269 | 12688 | 87312 | 13582 | 40 |
| 70 | 26365 | 12832 | 87168 | 13533 | 30 |
| 80 | 26461 | 12977 | 87023 | 13485 | 20 |
| 90 | 26557 | 13121 | 86879 | 13436 | 10 |
| **31 oo** | 26653 | 13266 | 86734 | 13388 | **69 oo** |
| 10 | 26749 | 13410 | 86590 | 13339 | 90 |
| 20 | 26846 | 13555 | 86445 | 13291 | 80 |
| 30 | 26942 | 13699 | 86301 | 13242 | 70 |
| 40 | 27038 | 13844 | 86156 | 13194 | 60 |
| 50 | 27134 | 13988 | 86012 | 13146 | 50 |
| 60 | 27230 | 14133 | 85867 | 13097 | 40 |
| 70 | 27326 | 14277 | 85723 | 13049 | 30 |
| 80 | 27422 | 14422 | 85578 | 13000 | 20 |
| 90 | 27518 | 14566 | 85434 | 12952 | 10 |
| **32 oo** | 27614 | 14711 | 85289 | 12903 | **68 oo** |
| 10 | 27710 | 14855 | 85145 | 12855 | 90 |
| 20 | 27806 | 15000 | 85000 | 12806 | 80 |
| 30 | 27902 | 15144 | 84856 | 12758 | 70 |
| 40 | 27998 | 15289 | 84711 | 12709 | 60 |
| 50 | 28094 | 15433 | 84567 | 12661 | 50 |
| 60 | 28190 | 15578 | 84422 | 12613 | 40 |
| 70 | 28286 | 15722 | 84278 | 12564 | 30 |
| 80 | 28382 | 15867 | 84133 | 12516 | 20 |
| 90 | 28478 | 16011 | 83989 | 12467 | 10 |
| **33 oo** | 28574 | 16156 | 83844 | 12419 | **67 oo** |
| 10 | 28670 | 16300 | 83700 | 12370 | 90 |
| 20 | 28766 | 16444 | 83556 | 12322 | 80 |
| 30 | 28862 | 16589 | 83411 | 12273 | 70 |
| 40 | 28958 | 16733 | 83267 | 12225 | 60 |
| 50 | 29054 | 16878 | 83122 | 12176 | 50 |
| 60 | 29150 | 17022 | 82978 | 12128 | 40 |
| 70 | 29246 | 17167 | 82833 | 12079 | 30 |
| 80 | 29342 | 17311 | 82689 | 12031 | 20 |
| 90 | 29438 | 17456 | 82544 | 11982 | 10 |
| **34 oo** | 29534 | 17600 | 82400 | 11934 | **66 oo** |
| 10 | 29630 | 17745 | 82255 | 11885 | 90 |
| 20 | 29726 | 17889 | 82111 | 11837 | 80 |
| 30 | 29822 | 18034 | 81966 | 11788 | 70 |
| 40 | 29918 | 18178 | 81822 | 11740 | 60 |
| 50 | 30014 | 18323 | 81677 | 11691 | 50 |
| 60 | 30110 | 18467 | 81533 | 11643 | 40 |
| 70 | 30206 | 18611 | 81389 | 11594 | 30 |
| 80 | 30302 | 18756 | 81244 | 11546 | 20 |
| 90 | 30398 | 18900 | 81100 | 11497 | 10 |
| **35 oo** | 30494 | 19045 | 80955 | 11449 | **65 oo** |
| | **9.76** | **9.85** | **0.14** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 96 | 144 | 144 | 49 | |

| 39g | 96 | 145 | 145 | 48 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.91** | |
| **35 oo** | 30494 | 19045 | 80955 | 11449 | **65 oo** |
| 10 | 30590 | 19189 | 80811 | 11400 | 90 |
| 20 | 30685 | 19334 | 80666 | 11352 | 80 |
| 30 | 30781 | 19478 | 80522 | 11303 | 70 |
| 40 | 30877 | 19623 | 80377 | 11255 | 60 |
| 50 | 30973 | 19767 | 80233 | 11206 | 50 |
| 60 | 31069 | 19911 | 80089 | 11158 | 40 |
| 70 | 31165 | 20056 | 79944 | 11109 | 30 |
| 80 | 31261 | 20200 | 79800 | 11061 | 20 |
| 90 | 31357 | 20345 | 79655 | 11012 | 10 |
| **36 oo** | 31453 | 20489 | 79511 | 10964 | **64 oo** |
| 10 | 31549 | 20634 | 79366 | 10915 | 90 |
| 20 | 31645 | 20778 | 79222 | 10867 | 80 |
| 30 | 31741 | 20922 | 79078 | 10818 | 70 |
| 40 | 31836 | 21067 | 78933 | 10770 | 60 |
| 50 | 31932 | 21211 | 78789 | 10721 | 50 |
| 60 | 32028 | 21356 | 78644 | 10672 | 40 |
| 70 | 32124 | 21500 | 78500 | 10624 | 30 |
| 80 | 32220 | 21645 | 78355 | 10575 | 20 |
| 90 | 32316 | 21789 | 78211 | 10527 | 10 |
| **37 oo** | 32412 | 21933 | 78067 | 10478 | **63 oo** |
| 10 | 32508 | 22078 | 77922 | 10430 | 90 |
| 20 | 32603 | 22222 | 77778 | 10381 | 80 |
| 30 | 32699 | 22367 | 77633 | 10333 | 70 |
| 40 | 32795 | 22511 | 77489 | 10284 | 60 |
| 50 | 32891 | 22655 | 77345 | 10236 | 50 |
| 60 | 32987 | 22800 | 77200 | 10187 | 40 |
| 70 | 33083 | 22944 | 77056 | 10139 | 30 |
| 80 | 33179 | 23089 | 76911 | 10090 | 20 |
| 90 | 33274 | 23233 | 76767 | 10041 | 10 |
| **38 oo** | 33370 | 23377 | 76623 | 09993 | **62 oo** |
| 10 | 33466 | 23522 | 76478 | 09944 | 90 |
| 20 | 33562 | 23666 | 76334 | 09896 | 80 |
| 30 | 33658 | 23811 | 76189 | 09847 | 70 |
| 40 | 33754 | 23955 | 76045 | 09799 | 60 |
| 50 | 33850 | 24099 | 75901 | 09750 | 50 |
| 60 | 33945 | 24244 | 75756 | 09701 | 40 |
| 70 | 34041 | 24388 | 75612 | 09653 | 30 |
| 80 | 34137 | 24533 | 75467 | 09604 | 20 |
| 90 | 34233 | 24677 | 75323 | 09556 | 10 |
| **39 oo** | 34329 | 24821 | 75179 | 09507 | **61 oo** |
| 10 | 34424 | 24966 | 75034 | 09459 | 90 |
| 20 | 34520 | 25110 | 74890 | 09410 | 80 |
| 30 | 34616 | 25255 | 74745 | 09361 | 70 |
| 40 | 34712 | 25399 | 74601 | 09313 | 60 |
| 50 | 34808 | 25543 | 74457 | 09264 | 50 |
| 60 | 34903 | 25688 | 74312 | 09216 | 40 |
| 70 | 34999 | 25832 | 74168 | 09167 | 30 |
| 80 | 35095 | 25976 | 74024 | 09119 | 20 |
| 90 | 35191 | 26121 | 73879 | 09070 | 10 |
| **40 oo** | 35287 | 26265 | 73735 | 09021 | **60 oo** |
| | **9.76** | **9.85** | **0.14** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 95 | 144 | 144 | 49 | |

| | 145 | 144 | 97 | 96 | 95 | 49 | 48 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,5 | 14,4 | 9,7 | 9,6 | 9,5 | 4,9 | 4,8 | 1 |
| 2 | 29,0 | 28,8 | 19,4 | 19,2 | 19,0 | 9,8 | 9,6 | 2 |
| 3 | 43,5 | 43,2 | 29,1 | 28,8 | 28,5 | 14,7 | 14,4 | 3 |
| 4 | 58,0 | 57,6 | 38,8 | 38,4 | 38,0 | 19,6 | 19,2 | 4 |
| 5 | 72,5 | 72,0 | 48,5 | 48,0 | 47,5 | 24,5 | 24,0 | 5 |
| 6 | 87,0 | 86,4 | 58,2 | 57,6 | 57,0 | 29,4 | 28,8 | 6 |
| 7 | 101,5 | 100,8 | 67,9 | 67,2 | 66,5 | 34,3 | 33,6 | 7 |
| 8 | 116,0 | 115,2 | 77,6 | 76,8 | 76,0 | 39,2 | 38,4 | 8 |
| 9 | 130,5 | 129,6 | 87,3 | 86,4 | 85,5 | 44,1 | 43,2 | 9 |

| 39g | 96 | 145 | 145 | 48 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.91** | |
| **40 oo** | 35287 | 26265 | 73735 | 09021 | **60 oo** |
| 10 | 35382 | 26410 | 73590 | 08973 | 90 |
| 20 | 35478 | 26554 | 73446 | 08924 | 80 |
| 30 | 35574 | 26698 | 73302 | 08876 | 70 |
| 40 | 35670 | 26843 | 73157 | 08827 | 60 |
| 50 | 35765 | 26987 | 73013 | 08778 | 50 |
| 60 | 35861 | 27131 | 72869 | 08730 | 40 |
| 70 | 35957 | 27276 | 72724 | 08681 | 30 |
| 80 | 36053 | 27420 | 72580 | 08633 | 20 |
| 90 | 36148 | 27564 | 72436 | 08584 | 10 |
| **41 oo** | 36244 | 27709 | 72291 | 08535 | **59 oo** |
| 10 | 36340 | 27853 | 72147 | 08487 | 90 |
| 20 | 36436 | 27998 | 72002 | 08438 | 80 |
| 30 | 36531 | 28142 | 71858 | 08390 | 70 |
| 40 | 36627 | 28286 | 71714 | 08341 | 60 |
| 50 | 36723 | 28431 | 71569 | 08292 | 50 |
| 60 | 36819 | 28575 | 71425 | 08244 | 40 |
| 70 | 36914 | 28719 | 71281 | 08195 | 30 |
| 80 | 37010 | 28864 | 71136 | 08147 | 20 |
| 90 | 37106 | 29008 | 70992 | 08098 | 10 |
| **42 oo** | 37202 | 29152 | 70848 | 08049 | **58 oo** |
| 10 | 37297 | 29297 | 70703 | 08001 | 90 |
| 20 | 37393 | 29441 | 70559 | 07952 | 80 |
| 30 | 37489 | 29585 | 70415 | 07903 | 70 |
| 40 | 37584 | 29730 | 70270 | 07855 | 60 |
| 50 | 37680 | 29874 | 70126 | 07806 | 50 |
| 60 | 37776 | 30018 | 69982 | 07758 | 40 |
| 70 | 37872 | 30163 | 69837 | 07709 | 30 |
| 80 | 37967 | 30307 | 69693 | 07660 | 20 |
| 90 | 38063 | 30451 | 69549 | 07612 | 10 |
| **43 oo** | 38159 | 30596 | 69404 | 07563 | **57 oo** |
| 10 | 38254 | 30740 | 69260 | 07514 | 90 |
| 20 | 38350 | 30884 | 69116 | 07466 | 80 |
| 30 | 38446 | 31029 | 68971 | 07417 | 70 |
| 40 | 38541 | 31173 | 68827 | 07368 | 60 |
| 50 | 38637 | 31317 | 68683 | 07320 | 50 |
| 60 | 38733 | 31461 | 68539 | 07271 | 40 |
| 70 | 38828 | 31606 | 68394 | 07223 | 30 |
| 80 | 38924 | 31750 | 68250 | 07174 | 20 |
| 90 | 39020 | 31894 | 68106 | 07125 | 10 |
| **44 oo** | 39115 | 32039 | 67961 | 07077 | **56 oo** |
| 10 | 39211 | 32183 | 67817 | 07028 | 90 |
| 20 | 39307 | 32327 | 67673 | 06979 | 80 |
| 30 | 39402 | 32472 | 67528 | 06931 | 70 |
| 40 | 39498 | 32616 | 67384 | 06882 | 60 |
| 50 | 39593 | 32760 | 67240 | 06833 | 50 |
| 60 | 39689 | 32904 | 67096 | 06785 | 40 |
| 70 | 39785 | 33049 | 66951 | 06736 | 30 |
| 80 | 39880 | 33193 | 66807 | 06687 | 20 |
| 90 | 39976 | 33337 | 66663 | 06639 | 10 |
| **45 oo** | 40072 | 33482 | 66518 | 06590 | **55 oo** |
| | **9.76** | **9.85** | **0.14** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 95 | 144 | 144 | 49 | |

| 39g | 96 | 145 | 145 | 48 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.91** | |
| **45 oo** | 40072 | 33482 | 66518 | 06590 | **55 oo** |
| 10 | 40167 | 33626 | 66374 | 06541 | 90 |
| 20 | 40263 | 33770 | 66230 | 06493 | 80 |
| 30 | 40358 | 33915 | 66085 | 06444 | 70 |
| 40 | 40454 | 34059 | 65941 | 06395 | 60 |
| 50 | 40550 | 34203 | 65797 | 06347 | 50 |
| 60 | 40645 | 34347 | 65653 | 06298 | 40 |
| 70 | 40741 | 34492 | 65508 | 06249 | 30 |
| 80 | 40837 | 34636 | 65364 | 06201 | 20 |
| 90 | 40932 | 34780 | 65220 | 06152 | 10 |
| **46 oo** | 41028 | 34925 | 65075 | 06103 | **54 oo** |
| 10 | 41123 | 35069 | 64931 | 06055 | 90 |
| 20 | 41219 | 35213 | 64787 | 06006 | 80 |
| 30 | 41314 | 35357 | 64643 | 05957 | 70 |
| 40 | 41410 | 35502 | 64498 | 05908 | 60 |
| 50 | 41506 | 35646 | 64354 | 05860 | 50 |
| 60 | 41601 | 35790 | 64210 | 05811 | 40 |
| 70 | 41697 | 35934 | 64066 | 05762 | 30 |
| 80 | 41792 | 36079 | 63921 | 05714 | 20 |
| 90 | 41888 | 36223 | 63777 | 05665 | 10 |
| **47 oo** | 41983 | 36367 | 63633 | 05616 | **53 oo** |
| 10 | 42079 | 36511 | 63489 | 05568 | 90 |
| 20 | 42175 | 36656 | 63344 | 05519 | 80 |
| 30 | 42270 | 36800 | 63200 | 05470 | 70 |
| 40 | 42366 | 36944 | 63056 | 05421 | 60 |
| 50 | 42461 | 37088 | 62912 | 05373 | 50 |
| 60 | 42557 | 37233 | 62767 | 05324 | 40 |
| 70 | 42652 | 37377 | 62623 | 05275 | 30 |
| 80 | 42748 | 37521 | 62479 | 05227 | 20 |
| 90 | 42843 | 37665 | 62335 | 05178 | 10 |
| **48 oo** | 42939 | 37810 | 62190 | 05129 | **52 oo** |
| 10 | 43034 | 37954 | 62046 | 05080 | 90 |
| 20 | 43130 | 38098 | 61902 | 05032 | 80 |
| 30 | 43225 | 38242 | 61758 | 04983 | 70 |
| 40 | 43321 | 38387 | 61613 | 04934 | 60 |
| 50 | 43416 | 38531 | 61469 | 04886 | 50 |
| 60 | 43512 | 38675 | 61325 | 04837 | 40 |
| 70 | 43607 | 38819 | 61181 | 04788 | 30 |
| 80 | 43703 | 38964 | 61036 | 04739 | 20 |
| 90 | 43798 | 39108 | 60892 | 04691 | 10 |
| **49 oo** | 43894 | 39252 | 60748 | 04642 | **51 oo** |
| 10 | 43989 | 39396 | 60604 | 04593 | 90 |
| 20 | 44085 | 39541 | 60459 | 04544 | 80 |
| 30 | 44180 | 39685 | 60315 | 04496 | 70 |
| 40 | 44276 | 39829 | 60171 | 04447 | 60 |
| 50 | 44371 | 39973 | 60027 | 04398 | 50 |
| 60 | 44467 | 40117 | 59883 | 04349 | 40 |
| 70 | 44562 | 40262 | 59738 | 04301 | 30 |
| 80 | 44658 | 40406 | 59594 | 04252 | 20 |
| 90 | 44753 | 40550 | 59450 | 04203 | 10 |
| **50 oo** | 44849 | 40694 | 59306 | 04155 | **50 oo** |
| | **9.76** | **9.85** | **0.14** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 95 | 144 | 144 | 49 | |

| | 145 | 144 | 96 | 95 | 49 | 48 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,5 | 14,4 | 9,6 | 9,5 | 4,9 | 4,8 | 1 |
| 2 | 29,0 | 28,8 | 19,2 | 19,0 | 9,8 | 9,6 | 2 |
| 3 | 43,5 | 43,2 | 28,8 | 28,5 | 14,7 | 14,4 | 3 |
| 4 | 58,0 | 57,6 | 38,4 | 38,0 | 19,6 | 19,2 | 4 |
| 5 | 72,5 | 72,0 | 48,0 | 47,5 | 24,5 | 24,0 | 5 |
| 6 | 87,0 | 86,4 | 57,6 | 57,0 | 29,4 | 28,8 | 6 |
| 7 | 101,5 | 100,8 | 67,2 | 66,5 | 34,3 | 33,6 | 7 |
| 8 | 116,0 | 115,2 | 76,8 | 76,0 | 39,2 | 38,4 | 8 |
| 9 | 130,5 | 129,6 | 86,4 | 85,5 | 44,1 | 43,2 | 9 |

| 39g | 96 | 145 | 145 | 48 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.91** | |
| **50 oo** | 44849 | 40694 | 59306 | 04155 | **50 oo** |
| 10 | 44944 | 40838 | 59162 | 04106 | 90 |
| 20 | 45040 | 40983 | 59017 | 04057 | 80 |
| 30 | 45135 | 41127 | 58873 | 04008 | 70 |
| 40 | 45231 | 41271 | 58729 | 03959 | 60 |
| 50 | 45326 | 41415 | 58585 | 03911 | 50 |
| 60 | 45421 | 41560 | 58440 | 03862 | 40 |
| 70 | 45517 | 41704 | 58296 | 03813 | 30 |
| 80 | 45612 | 41848 | 58152 | 03764 | 20 |
| 90 | 45708 | 41992 | 58008 | 03716 | 10 |
| **51 oo** | 45803 | 42136 | 57864 | 03667 | **49 oo** |
| 10 | 45899 | 42281 | 57719 | 03618 | 90 |
| 20 | 45994 | 42425 | 57575 | 03569 | 80 |
| 30 | 46090 | 42569 | 57431 | 03521 | 70 |
| 40 | 46185 | 42713 | 57287 | 03472 | 60 |
| 50 | 46280 | 42857 | 57143 | 03423 | 50 |
| 60 | 46376 | 43001 | 56999 | 03374 | 40 |
| 70 | 46471 | 43146 | 56854 | 03326 | 30 |
| 80 | 46567 | 43290 | 56710 | 03277 | 20 |
| 90 | 46662 | 43434 | 56566 | 03228 | 10 |
| **52 oo** | 46757 | 43578 | 56422 | 03179 | **48 oo** |
| 10 | 46853 | 43722 | 56278 | 03130 | 90 |
| 20 | 46948 | 43867 | 56133 | 03082 | 80 |
| 30 | 47044 | 44011 | 55989 | 03033 | 70 |
| 40 | 47139 | 44155 | 55845 | 02984 | 60 |
| 50 | 47234 | 44299 | 55701 | 02935 | 50 |
| 60 | 47330 | 44443 | 55557 | 02886 | 40 |
| 70 | 47425 | 44587 | 55413 | 02838 | 30 |
| 80 | 47520 | 44732 | 55268 | 02789 | 20 |
| 90 | 47616 | 44876 | 55124 | 02740 | 10 |
| **53 oo** | 47711 | 45020 | 54980 | 02691 | **47 oo** |
| 10 | 47807 | 45164 | 54836 | 02642 | 90 |
| 20 | 47902 | 45308 | 54692 | 02594 | 80 |
| 30 | 47997 | 45452 | 54548 | 02545 | 70 |
| 40 | 48093 | 45597 | 54403 | 02496 | 60 |
| 50 | 48188 | 45741 | 54259 | 02447 | 50 |
| 60 | 48283 | 45885 | 54115 | 02398 | 40 |
| 70 | 48379 | 46029 | 53971 | 02350 | 30 |
| 80 | 48474 | 46173 | 53827 | 02301 | 20 |
| 90 | 48569 | 46317 | 53683 | 02252 | 10 |
| **54 oo** | 48665 | 46462 | 53538 | 02203 | **46 oo** |
| 10 | 48760 | 46606 | 53394 | 02154 | 90 |
| 20 | 48855 | 46750 | 53250 | 02106 | 80 |
| 30 | 48951 | 46894 | 53106 | 02057 | 70 |
| 40 | 49046 | 47038 | 52962 | 02008 | 60 |
| 50 | 49141 | 47182 | 52818 | 01959 | 50 |
| 60 | 49237 | 47326 | 52674 | 01910 | 40 |
| 70 | 49332 | 47471 | 52529 | 01861 | 30 |
| 80 | 49427 | 47615 | 52385 | 01813 | 20 |
| 90 | 49523 | 47759 | 52241 | 01764 | 10 |
| **55 oo** | 49618 | 47903 | 52097 | 01715 | **45 oo** |
| | **9.76** | **9.85** | **0.14** | **9.91** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 95 | 144 | 144 | 49 | |

| 39g | 96 | 145 | 145 | 48 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.91** | |
| **55 oo** | 49618 | 47903 | 52097 | 01715 | **45 oo** |
| 10 | 49713 | 48047 | 51953 | 01666 | 90 |
| 20 | 49809 | 48191 | 51809 | 01617 | 80 |
| 30 | 49904 | 48335 | 51665 | 01568 | 70 |
| 40 | 49999 | 48479 | 51521 | 01520 | 60 |
| 50 | 50094 | 48624 | 51376 | 01471 | 50 |
| 60 | 50190 | 48768 | 51232 | 01422 | 40 |
| 70 | 50285 | 48912 | 51088 | 01373 | 30 |
| 80 | 50380 | 49056 | 50944 | 01324 | 20 |
| 90 | 50476 | 49200 | 50800 | 01275 | 10 |
| **56 oo** | 50571 | 49344 | 50656 | 01227 | **44 oo** |
| 10 | 50666 | 49488 | 50512 | 01178 | 90 |
| 20 | 50761 | 49632 | 50368 | 01129 | 80 |
| 30 | 50857 | 49777 | 50223 | 01080 | 70 |
| 40 | 50952 | 49921 | 50079 | 01031 | 60 |
| 50 | 51047 | 50065 | 49935 | 00982 | 50 |
| 60 | 51142 | 50209 | 49791 | 00933 | 40 |
| 70 | 51238 | 50353 | 49647 | 00885 | 30 |
| 80 | 51333 | 50497 | 49503 | 00836 | 20 |
| 90 | 51428 | 50641 | 49359 | 00787 | 10 |
| **57 oo** | 51523 | 50785 | 49215 | 00738 | **43 oo** |
| 10 | 51619 | 50929 | 49071 | 00689 | 90 |
| 20 | 51714 | 51074 | 48926 | 00640 | 80 |
| 30 | 51809 | 51218 | 48782 | 00591 | 70 |
| 40 | 51904 | 51362 | 48638 | 00543 | 60 |
| 50 | 52000 | 51506 | 48494 | 00494 | 50 |
| 60 | 52095 | 51650 | 48350 | 00445 | 40 |
| 70 | 52190 | 51794 | 48206 | 00396 | 30 |
| 80 | 52285 | 51938 | 48062 | 00347 | 20 |
| 90 | 52380 | 52082 | 47918 | 00298 | 10 |
| **58 oo** | 52476 | 52226 | 47774 | 00249 | **42 oo** |
| 10 | 52571 | 52370 | 47630 | 00200 | 90 |
| 20 | 52666 | 52515 | 47485 | 00152 | 80 |
| 30 | 52761 | 52659 | 47341 | 00103 | 70 |
| 40 | 52856 | 52803 | 47197 | 00054 | 60 |
| 50 | 52952 | 52947 | 47053 | 00005 | 50 |
| 60 | 53047 | 53091 | 46909 | *99956 | 40 |
| 70 | 53142 | 53235 | 46765 | *99907 | 30 |
| 80 | 53237 | 53379 | 46621 | *99858 | 20 |
| 90 | 53332 | 53523 | 46477 | *99809 | 10 |
| **59 oo** | 53428 | 53667 | 46333 | *99760 | **41 oo** |
| 10 | 53523 | 53811 | 46189 | *99712 | 90 |
| 20 | 53618 | 53955 | 46045 | *99663 | 80 |
| 30 | 53713 | 54099 | 45901 | *99614 | 70 |
| 40 | 53808 | 54243 | 45757 | *99565 | 60 |
| 50 | 53903 | 54387 | 45613 | *99516 | 50 |
| 60 | 53999 | 54532 | 45468 | *99467 | 40 |
| 70 | 54094 | 54676 | 45324 | *99418 | 30 |
| 80 | 54189 | 54820 | 45180 | *99369 | 20 |
| 90 | 54284 | 54964 | 45036 | *99320 | 10 |
| **60 oo** | 54379 | 55108 | 44892 | *99271 | **40 oo** |
| | **9.76** | **9.85** | **0.14** | ***9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 95 | 144 | 144 | 49 | |

| | 145 | 144 | 96 | 95 | 49 | 48 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,5 | 14,4 | 9,6 | 9,5 | 4,9 | 4,8 | 1 |
| 2 | 29,0 | 28,8 | 19,2 | 19,0 | 9,8 | 9,6 | 2 |
| 3 | 43,5 | 43,2 | 28,8 | 28,5 | 14,7 | 14,4 | 3 |
| 4 | 58,0 | 57,6 | 38,4 | 38,0 | 19,6 | 19,2 | 4 |
| 5 | 72,5 | 72,0 | 48,0 | 47,5 | 24,5 | 24,0 | 5 |
| 6 | 87,0 | 86,4 | 57,6 | 57,0 | 29,4 | 28,8 | 6 |
| 7 | 101,5 | 100,8 | 67,2 | 66,5 | 34,3 | 33,6 | 7 |
| 8 | 116,0 | 115,2 | 76,8 | 76,0 | 39,2 | 38,4 | 8 |
| 9 | 130,5 | 129,6 | 86,4 | 85,5 | 44,1 | 43,2 | 9 |

| 39g | 96 | 145 | 145 | 48 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.90** | |
| **60 oo** | 54379 | 55108 | 44892 | 99271 | **40 oo** |
| 10 | 54474 | 55252 | 44748 | 99223 | 90 |
| 20 | 54570 | 55396 | 44604 | 99174 | 80 |
| 30 | 54665 | 55540 | 44460 | 99125 | 70 |
| 40 | 54760 | 55684 | 44316 | 99076 | 60 |
| 50 | 54855 | 55828 | 44172 | 99027 | 50 |
| 60 | 54950 | 55972 | 44028 | 98978 | 40 |
| 70 | 55045 | 56116 | 43884 | 98929 | 30 |
| 80 | 55140 | 56260 | 43740 | 98880 | 20 |
| 90 | 55235 | 56404 | 43596 | 98831 | 10 |
| **61 oo** | 55331 | 56548 | 43452 | 98782 | **39 oo** |
| 10 | 55426 | 56692 | 43308 | 98733 | 90 |
| 20 | 55521 | 56836 | 43164 | 98684 | 80 |
| 30 | 55616 | 56980 | 43020 | 98635 | 70 |
| 40 | 55711 | 57124 | 42876 | 98586 | 60 |
| 50 | 55806 | 57269 | 42731 | 98538 | 50 |
| 60 | 55901 | 57413 | 42587 | 98489 | 40 |
| 70 | 55996 | 57557 | 42443 | 98440 | 30 |
| 80 | 56091 | 57701 | 42299 | 98391 | 20 |
| 90 | 56186 | 57845 | 42155 | 98342 | 10 |
| **62 oo** | 56282 | 57989 | 42011 | 98293 | **38 oo** |
| 10 | 56377 | 58133 | 41867 | 98244 | 90 |
| 20 | 56472 | 58277 | 41723 | 98195 | 80 |
| 30 | 56567 | 58421 | 41579 | 98146 | 70 |
| 40 | 56662 | 58565 | 41435 | 98097 | 60 |
| 50 | 56757 | 58709 | 41291 | 98048 | 50 |
| 60 | 56852 | 58853 | 41147 | 97999 | 40 |
| 70 | 56947 | 58997 | 41003 | 97950 | 30 |
| 80 | 57042 | 59141 | 40859 | 97901 | 20 |
| 90 | 57137 | 59285 | 40715 | 97852 | 10 |
| **63 oo** | 57232 | 59429 | 40571 | 97803 | **37 oo** |
| 10 | 57327 | 59573 | 40427 | 97754 | 90 |
| 20 | 57422 | 59717 | 40283 | 97705 | 80 |
| 30 | 57517 | 59861 | 40139 | 97656 | 70 |
| 40 | 57612 | 60005 | 39995 | 97607 | 60 |
| 50 | 57707 | 60149 | 39851 | 97559 | 50 |
| 60 | 57802 | 60293 | 39707 | 97510 | 40 |
| 70 | 57897 | 60437 | 39563 | 97461 | 30 |
| 80 | 57993 | 60581 | 39419 | 97412 | 20 |
| 90 | 58088 | 60725 | 39275 | 97363 | 10 |
| **64 oo** | 58183 | 60869 | 39131 | 97314 | **36 oo** |
| 10 | 58278 | 61013 | 38987 | 97265 | 90 |
| 20 | 58373 | 61157 | 38843 | 97216 | 80 |
| 30 | 58468 | 61301 | 38699 | 97167 | 70 |
| 40 | 58563 | 61445 | 38555 | 97118 | 60 |
| 50 | 58658 | 61589 | 38411 | 97069 | 50 |
| 60 | 58753 | 61733 | 38267 | 97020 | 40 |
| 70 | 58848 | 61877 | 38123 | 96971 | 30 |
| 80 | 58943 | 62021 | 37979 | 96922 | 20 |
| 90 | 59038 | 62165 | 37835 | 96873 | 10 |
| **65 oo** | 59133 | 62309 | 37691 | 96824 | **35 oo** |
| | **9.76** | **9.85** | **0.14** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 95 | 144 | 144 | 49 | |

| 39g | 95 | 144 | 144 | 49 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.90** | |
| **65 oo** | 59133 | 62309 | 37691 | 96824 | **35 oo** |
| 10 | 59228 | 62453 | 37547 | 96775 | 90 |
| 20 | 59323 | 62597 | 37403 | 96726 | 80 |
| 30 | 59418 | 62741 | 37259 | 96677 | 70 |
| 40 | 59513 | 62885 | 37115 | 96628 | 60 |
| 50 | 59608 | 63029 | 36971 | 96579 | 50 |
| 60 | 59702 | 63173 | 36827 | 96530 | 40 |
| 70 | 59797 | 63317 | 36683 | 96481 | 30 |
| 80 | 59892 | 63461 | 36539 | 96432 | 20 |
| 90 | 59987 | 63605 | 36395 | 96383 | 10 |
| **66 oo** | 60082 | 63749 | 36251 | 96334 | **34 oo** |
| 10 | 60177 | 63893 | 36107 | 96285 | 90 |
| 20 | 60272 | 64037 | 35963 | 96236 | 80 |
| 30 | 60367 | 64180 | 35820 | 96187 | 70 |
| 40 | 60462 | 64324 | 35676 | 96138 | 60 |
| 50 | 60557 | 64468 | 35532 | 96089 | 50 |
| 60 | 60652 | 64612 | 35388 | 96040 | 40 |
| 70 | 60747 | 64756 | 35244 | 95991 | 30 |
| 80 | 60842 | 64900 | 35100 | 95942 | 20 |
| 90 | 60937 | 65044 | 34956 | 95893 | 10 |
| **67 oo** | 61032 | 65188 | 34812 | 95844 | **33 oo** |
| 10 | 61127 | 65332 | 34668 | 95795 | 90 |
| 20 | 61222 | 65476 | 34524 | 95746 | 80 |
| 30 | 61317 | 65620 | 34380 | 95697 | 70 |
| 40 | 61411 | 65764 | 34236 | 95647 | 60 |
| 50 | 61506 | 65908 | 34092 | 95598 | 50 |
| 60 | 61601 | 66052 | 33948 | 95549 | 40 |
| 70 | 61696 | 66196 | 33804 | 95500 | 30 |
| 80 | 61791 | 66340 | 33660 | 95451 | 20 |
| 90 | 61886 | 66484 | 33516 | 95402 | 10 |
| **68 oo** | 61981 | 66628 | 33372 | 95353 | **32 oo** |
| 10 | 62076 | 66772 | 33228 | 95304 | 90 |
| 20 | 62171 | 66915 | 33085 | 95255 | 80 |
| 30 | 62266 | 67059 | 32941 | 95206 | 70 |
| 40 | 62360 | 67203 | 32797 | 95157 | 60 |
| 50 | 62455 | 67347 | 32653 | 95108 | 50 |
| 60 | 62550 | 67491 | 32509 | 95059 | 40 |
| 70 | 62645 | 67635 | 32365 | 95010 | 30 |
| 80 | 62740 | 67779 | 32221 | 94961 | 20 |
| 90 | 62835 | 67923 | 32077 | 94912 | 10 |
| **69 oo** | 62930 | 68067 | 31933 | 94863 | **31 oo** |
| 10 | 63025 | 68211 | 31789 | 94814 | 90 |
| 20 | 63119 | 68355 | 31645 | 94765 | 80 |
| 30 | 63214 | 68499 | 31501 | 94716 | 70 |
| 40 | 63309 | 68643 | 31357 | 94667 | 60 |
| 50 | 63404 | 68786 | 31214 | 94617 | 50 |
| 60 | 63499 | 68930 | 31070 | 94568 | 40 |
| 70 | 63594 | 69074 | 30926 | 94519 | 30 |
| 80 | 63688 | 69218 | 30782 | 94470 | 20 |
| 90 | 63783 | 69362 | 30638 | 94421 | 10 |
| **70 oo** | 63878 | 69506 | 30494 | 94372 | **30 oo** |
| | **9.76** | **9.85** | **0.14** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 94 | 143 | 143 | 50 | |

| | 145 | 144 | 143 | 96 | 95 | 94 | 50 | 49 | 48 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14,5 | 14,4 | 14,3 | 9,6 | 9,5 | 9,4 | 5,0 | 4,9 | 4,8 | 1 |
| 2 | 29,0 | 28,8 | 28,6 | 19,2 | 19,0 | 18,8 | 10,0 | 9,8 | 9,6 | 2 |
| 3 | 43,5 | 43,2 | 42,9 | 28,8 | 28,5 | 28,2 | 15,0 | 14,7 | 14,4 | 3 |
| 4 | 58,0 | 57,6 | 57,2 | 38,4 | 38,0 | 37,6 | 20,0 | 19,6 | 19,2 | 4 |
| 5 | 72,5 | 72,0 | 71,5 | 48,0 | 47,5 | 47,0 | 25,0 | 24,5 | 24,0 | 5 |
| 6 | 87,0 | 86,4 | 85,8 | 57,6 | 57,0 | 56,4 | 30,0 | 29,4 | 28,8 | 6 |
| 7 | 101,5 | 100,8 | 100,1 | 67,2 | 66,5 | 65,8 | 35,0 | 34,3 | 33,6 | 7 |
| 8 | 116,0 | 115,2 | 114,4 | 76,8 | 76,0 | 75,2 | 40,0 | 39,2 | 38,4 | 8 |
| 9 | 130,5 | 129,6 | 128,7 | 86,4 | 85,5 | 84,6 | 45,0 | 44,1 | 43,2 | 9 |

| 39g | 95 | 144 | 144 | 49 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.90** | |
| **70 00** | 63878 | 69506 | 30494 | 94372 | **30 00** |
| 10 | 63973 | 69650 | 30350 | 94323 | 90 |
| 20 | 64068 | 69794 | 30206 | 94274 | 80 |
| 30 | 64163 | 69938 | 30062 | 94225 | 70 |
| 40 | 64257 | 70082 | 29918 | 94176 | 60 |
| 50 | 64352 | 70226 | 29774 | 94127 | 50 |
| 60 | 64447 | 70369 | 29631 | 94078 | 40 |
| 70 | 64542 | 70513 | 29487 | 94029 | 30 |
| 80 | 64637 | 70657 | 29343 | 93979 | 20 |
| 90 | 64731 | 70801 | 29199 | 93930 | 10 |
| **71 00** | 64826 | 70945 | 29055 | 93881 | **29 00** |
| 10 | 64921 | 71089 | 28911 | 93832 | 90 |
| 20 | 65016 | 71233 | 28767 | 93783 | 80 |
| 30 | 65111 | 71377 | 28623 | 93734 | 70 |
| 40 | 65205 | 71521 | 28479 | 93685 | 60 |
| 50 | 65300 | 71664 | 28336 | 93636 | 50 |
| 60 | 65395 | 71808 | 28192 | 93587 | 40 |
| 70 | 65490 | 71952 | 28048 | 93538 | 30 |
| 80 | 65585 | 72096 | 27904 | 93488 | 20 |
| 90 | 65679 | 72240 | 27760 | 93439 | 10 |
| **72 00** | 65774 | 72384 | 27616 | 93390 | **28 00** |
| 10 | 65869 | 72528 | 27472 | 93341 | 90 |
| 20 | 65964 | 72672 | 27328 | 93292 | 80 |
| 30 | 66058 | 72815 | 27185 | 93243 | 70 |
| 40 | 66153 | 72959 | 27041 | 93194 | 60 |
| 50 | 66248 | 73103 | 26897 | 93145 | 50 |
| 60 | 66343 | 73247 | 26753 | 93096 | 40 |
| 70 | 66437 | 73391 | 26609 | 93046 | 30 |
| 80 | 66532 | 73535 | 26465 | 92997 | 20 |
| 90 | 66627 | 73679 | 26321 | 92948 | 10 |
| **73 00** | 66722 | 73823 | 26177 | 92899 | **27 00** |
| 10 | 66816 | 73966 | 26034 | 92850 | 90 |
| 20 | 66911 | 74110 | 25890 | 92801 | 80 |
| 30 | 67006 | 74254 | 25746 | 92752 | 70 |
| 40 | 67101 | 74398 | 25602 | 92703 | 60 |
| 50 | 67195 | 74542 | 25458 | 92654 | 50 |
| 60 | 67290 | 74686 | 25314 | 92604 | 40 |
| 70 | 67385 | 74830 | 25170 | 92555 | 30 |
| 80 | 67479 | 74973 | 25027 | 92506 | 20 |
| 90 | 67574 | 75117 | 24883 | 92457 | 10 |
| **74 00** | 67669 | 75261 | 24739 | 92408 | **26 00** |
| 10 | 67764 | 75405 | 24595 | 92359 | 90 |
| 20 | 67858 | 75549 | 24451 | 92310 | 80 |
| 30 | 67953 | 75693 | 24307 | 92260 | 70 |
| 40 | 68048 | 75836 | 24164 | 92211 | 60 |
| 50 | 68142 | 75980 | 24020 | 92162 | 50 |
| 60 | 68237 | 76124 | 23876 | 92113 | 40 |
| 70 | 68332 | 76268 | 23732 | 92064 | 30 |
| 80 | 68426 | 76412 | 23588 | 92015 | 20 |
| 90 | 68521 | 76556 | 23444 | 91966 | 10 |
| **75 00** | 68616 | 76699 | 23301 | 91916 | **25 00** |
| | **9.76** | **9.85** | **0.14** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $60^g$ |
| | 94 | 143 | 143 | 50 | |

| 39g | 95 | 144 | 144 | 49 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.90** | |
| **75 00** | 68616 | 76699 | 23301 | 91916 | **25 00** |
| 10 | 68710 | 76843 | 23157 | 91867 | 90 |
| 20 | 68805 | 76987 | 23013 | 91818 | 80 |
| 30 | 68900 | 77131 | 22869 | 91769 | 70 |
| 40 | 68994 | 77275 | 22725 | 91720 | 60 |
| 50 | 69089 | 77419 | 22581 | 91671 | 50 |
| 60 | 69184 | 77562 | 22438 | 91621 | 40 |
| 70 | 69278 | 77706 | 22294 | 91572 | 30 |
| 80 | 69373 | 77850 | 22150 | 91523 | 20 |
| 90 | 69468 | 77994 | 22006 | 91474 | 10 |
| **76 00** | 69562 | 78138 | 21862 | 91425 | **24 00** |
| 10 | 69657 | 78281 | 21719 | 91376 | 90 |
| 20 | 69752 | 78425 | 21575 | 91326 | 80 |
| 30 | 69846 | 78569 | 21431 | 91277 | 70 |
| 40 | 69941 | 78713 | 21287 | 91228 | 60 |
| 50 | 70036 | 78857 | 21143 | 91179 | 50 |
| 60 | 70130 | 79001 | 20999 | 91130 | 40 |
| 70 | 70225 | 79144 | 20856 | 91080 | 30 |
| 80 | 70319 | 79288 | 20712 | 91031 | 20 |
| 90 | 70414 | 79432 | 20568 | 90982 | 10 |
| **77 00** | 70509 | 79576 | 20424 | 90933 | **23 00** |
| 10 | 70603 | 79720 | 20280 | 90884 | 90 |
| 20 | 70698 | 79863 | 20137 | 90835 | 80 |
| 30 | 70792 | 80007 | 19993 | 90785 | 70 |
| 40 | 70887 | 80151 | 19849 | 90736 | 60 |
| 50 | 70982 | 80295 | 19705 | 90687 | 50 |
| 60 | 71076 | 80439 | 19561 | 90638 | 40 |
| 70 | 71171 | 80582 | 19418 | 90589 | 30 |
| 80 | 71265 | 80726 | 19274 | 90539 | 20 |
| 90 | 71360 | 80870 | 19130 | 90490 | 10 |
| **78 00** | 71455 | 81014 | 18986 | 90441 | **22 00** |
| 10 | 71549 | 81157 | 18843 | 90392 | 90 |
| 20 | 71644 | 81301 | 18699 | 90343 | 80 |
| 30 | 71738 | 81445 | 18555 | 90293 | 70 |
| 40 | 71833 | 81589 | 18411 | 90244 | 60 |
| 50 | 71927 | 81733 | 18267 | 90195 | 50 |
| 60 | 72022 | 81876 | 18124 | 90146 | 40 |
| 70 | 72117 | 82020 | 17980 | 90096 | 30 |
| 80 | 72211 | 82164 | 17836 | 90047 | 20 |
| 90 | 72306 | 82308 | 17692 | 89998 | 10 |
| **79 00** | 72400 | 82451 | 17549 | 89949 | **21 00** |
| 10 | 72495 | 82595 | 17405 | 89900 | 90 |
| 20 | 72589 | 82739 | 17261 | 89850 | 80 |
| 30 | 72684 | 82883 | 17117 | 89801 | 70 |
| 40 | 72778 | 83027 | 16973 | 89752 | 60 |
| 50 | 72873 | 83170 | 16830 | 89703 | 50 |
| 60 | 72968 | 83314 | 16686 | 89653 | 40 |
| 70 | 73062 | 83458 | 16542 | 89604 | 30 |
| 80 | 73157 | 83602 | 16398 | 89555 | 20 |
| 90 | 73251 | 83745 | 16255 | 89506 | 10 |
| **80 00** | 73346 | 83889 | 16111 | 89457 | **20 00** |
| | **9.76** | **9.85** | **0.14** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $60^g$ |
| | 94 | 143 | 143 | 50 | |

| | 144 | 143 | 95 | 94 | 50 | 49 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,4 | 14,3 | 9,5 | 9,4 | 5,0 | 4,9 | 1 |
| 2 | 28,8 | 28,6 | 19,0 | 18,8 | 10,0 | 9,8 | 2 |
| 3 | 43,2 | 42,9 | 28,5 | 28,2 | 15,0 | 14,7 | 3 |
| 4 | 57,6 | 57,2 | 38,0 | 37,6 | 20,0 | 19,6 | 4 |
| 5 | 72,0 | 71,5 | 47,5 | 47,0 | 25,0 | 24,5 | 5 |
| 6 | 86,4 | 85,8 | 57,0 | 56,4 | 30,0 | 29,4 | 6 |
| 7 | 100,8 | 100,1 | 66,5 | 65,8 | 35,0 | 34,3 | 7 |
| 8 | 115,2 | 114,4 | 76,0 | 75,2 | 40,0 | 39,2 | 8 |
| 9 | 129,6 | 128,7 | 85,5 | 84,6 | 45,0 | 44,1 | 9 |

| 39g | 95 | 144 | 144 | 49 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.90** | |
| **80 oo** | 73346 | 83889 | 16111 | 89457 | **20 oo** |
| 10 | 73440 | 84033 | 15967 | 89407 | 90 |
| 20 | 73535 | 84177 | 15823 | 89358 | 80 |
| 30 | 73629 | 84320 | 15680 | 89309 | 70 |
| 40 | 73724 | 84464 | 15536 | 89260 | 60 |
| 50 | 73818 | 84608 | 15392 | 89210 | 50 |
| 60 | 73913 | 84752 | 15248 | 89161 | 40 |
| 70 | 74007 | 84895 | 15105 | 89112 | 30 |
| 80 | 74102 | 85039 | 14961 | 89063 | 20 |
| 90 | 74196 | 85183 | 14817 | 89013 | 10 |
| **81 oo** | 74291 | 85327 | 14673 | 88964 | **19 oo** |
| 10 | 74385 | 85470 | 14530 | 88915 | 90 |
| 20 | 74480 | 85614 | 14386 | 88866 | 80 |
| 30 | 74574 | 85758 | 14242 | 88816 | 70 |
| 40 | 74669 | 85902 | 14098 | 88767 | 60 |
| 50 | 74763 | 86045 | 13955 | 88718 | 50 |
| 60 | 74858 | 86189 | 13811 | 88669 | 40 |
| 70 | 74952 | 86333 | 13667 | 88619 | 30 |
| 80 | 75046 | 86476 | 13524 | 88570 | 20 |
| 90 | 75141 | 86620 | 13380 | 88521 | 10 |
| **82 oo** | 75235 | 86764 | 13236 | 88471 | **18 oo** |
| 10 | 75330 | 86908 | 13092 | 88422 | 90 |
| 20 | 75424 | 87051 | 12949 | 88373 | 80 |
| 30 | 75519 | 87195 | 12805 | 88324 | 70 |
| 40 | 75613 | 87339 | 12661 | 88274 | 60 |
| 50 | 75708 | 87483 | 12517 | 88225 | 50 |
| 60 | 75802 | 87626 | 12374 | 88176 | 40 |
| 70 | 75896 | 87770 | 12230 | 88127 | 30 |
| 80 | 75991 | 87914 | 12086 | 88077 | 20 |
| 90 | 76085 | 88057 | 11943 | 88028 | 10 |
| **83 oo** | 76180 | 88201 | 11799 | 87979 | **17 oo** |
| 10 | 76274 | 88345 | 11655 | 87929 | 90 |
| 20 | 76369 | 88488 | 11512 | 87880 | 80 |
| 30 | 76463 | 88632 | 11368 | 87831 | 70 |
| 40 | 76557 | 88776 | 11224 | 87782 | 60 |
| 50 | 76652 | 88920 | 11080 | 87732 | 50 |
| 60 | 76746 | 89063 | 10937 | 87683 | 40 |
| 70 | 76841 | 89207 | 10793 | 87634 | 30 |
| 80 | 76935 | 89351 | 10649 | 87584 | 20 |
| 90 | 77029 | 89494 | 10506 | 87535 | 10 |
| **84 oo** | 77124 | 89638 | 10362 | 87486 | **16 oo** |
| 10 | 77218 | 89782 | 10218 | 87436 | 90 |
| 20 | 77313 | 89925 | 10075 | 87387 | 80 |
| 30 | 77407 | 90069 | 09931 | 87338 | 70 |
| 40 | 77501 | 90213 | 09787 | 87289 | 60 |
| 50 | 77596 | 90357 | 09643 | 87239 | 50 |
| 60 | 77690 | 90500 | 09500 | 87190 | 40 |
| 70 | 77785 | 90644 | 09356 | 87141 | 30 |
| 80 | 77879 | 90788 | 09212 | 87091 | 20 |
| 90 | 77973 | 90931 | 09069 | 87042 | 10 |
| **85 oo** | 78068 | 91075 | 08925 | 86993 | **15 oo** |
| | **9.76** | **9.85** | **0.14** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 94 | 143 | 143 | 50 | |

| 39g | 95 | 144 | 144 | 49 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.85** | **0.14** | **9.90** | |
| **85 oo** | 78068 | 91075 | 08925 | 86993 | **15 oo** |
| 10 | 78162 | 91219 | 08781 | 86943 | 90 |
| 20 | 78256 | 91362 | 08638 | 86894 | 80 |
| 30 | 78351 | 91506 | 08494 | 86845 | 70 |
| 40 | 78445 | 91650 | 08350 | 86795 | 60 |
| 50 | 78539 | 91793 | 08207 | 86746 | 50 |
| 60 | 78634 | 91937 | 08063 | 86697 | 40 |
| 70 | 78728 | 92081 | 07919 | 86647 | 30 |
| 80 | 78822 | 92224 | 07776 | 86598 | 20 |
| 90 | 78917 | 92368 | 07632 | 86549 | 10 |
| **86 oo** | 79011 | 92512 | 07488 | 86499 | **14 oo** |
| 10 | 79105 | 92655 | 07345 | 86450 | 90 |
| 20 | 79200 | 92799 | 07201 | 86401 | 80 |
| 30 | 79294 | 92943 | 07057 | 86351 | 70 |
| 40 | 79388 | 93086 | 06914 | 86302 | 60 |
| 50 | 79483 | 93230 | 06770 | 86253 | 50 |
| 60 | 79577 | 93374 | 06626 | 86203 | 40 |
| 70 | 79671 | 93517 | 06483 | 86154 | 30 |
| 80 | 79766 | 93661 | 06339 | 86105 | 20 |
| 90 | 79860 | 93805 | 06195 | 86055 | 10 |
| **87 oo** | 79954 | 93948 | 06052 | 86006 | **13 oo** |
| 10 | 80049 | 94092 | 05908 | 85957 | 90 |
| 20 | 80143 | 94236 | 05764 | 85907 | 80 |
| 30 | 80237 | 94379 | 05621 | 85858 | 70 |
| 40 | 80331 | 94523 | 05477 | 85809 | 60 |
| 50 | 80426 | 94667 | 05333 | 85759 | 50 |
| 60 | 80520 | 94810 | 05190 | 85710 | 40 |
| 70 | 80614 | 94954 | 05046 | 85660 | 30 |
| 80 | 80709 | 95097 | 04903 | 85611 | 20 |
| 90 | 80803 | 95241 | 04759 | 85562 | 10 |
| **88 oo** | 80897 | 95385 | 04615 | 85512 | **12 oo** |
| 10 | 80991 | 95528 | 04472 | 85463 | 90 |
| 20 | 81086 | 95672 | 04328 | 85414 | 80 |
| 30 | 81180 | 95816 | 04184 | 85364 | 70 |
| 40 | 81274 | 95959 | 04041 | 85315 | 60 |
| 50 | 81368 | 96103 | 03897 | 85265 | 50 |
| 60 | 81463 | 96247 | 03753 | 85216 | 40 |
| 70 | 81557 | 96390 | 03610 | 85167 | 30 |
| 80 | 81651 | 96534 | 03466 | 85117 | 20 |
| 90 | 81745 | 96677 | 03323 | 85068 | 10 |
| **89 oo** | 81840 | 96821 | 03179 | 85019 | **11 oo** |
| 10 | 81934 | 96965 | 03035 | 84969 | 90 |
| 20 | 82028 | 97108 | 02892 | 84920 | 80 |
| 30 | 82122 | 97252 | 02748 | 84870 | 70 |
| 40 | 82217 | 97395 | 02605 | 84821 | 60 |
| 50 | 82311 | 97539 | 02461 | 84772 | 50 |
| 60 | 82405 | 97683 | 02317 | 84722 | 40 |
| 70 | 82499 | 97826 | 02174 | 84673 | 30 |
| 80 | 82593 | 97970 | 02030 | 84623 | 20 |
| 90 | 82688 | 98114 | 01886 | 84574 | 10 |
| **90 oo** | 82782 | 98257 | 01743 | 84525 | **10 oo** |
| | **9.76** | **9.85** | **0.14** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 94 | 143 | 143 | 50 | |

| | 144 | 143 | 95 | 94 | 50 | 49 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,4 | 14,3 | 9,5 | 9,4 | 5,0 | 4,9 | 1 |
| 2 | 28,8 | 28,6 | 19,0 | 18,8 | 10,0 | 9,8 | 2 |
| 3 | 43,2 | 42,9 | 28,5 | 28,2 | 15,0 | 14,7 | 3 |
| 4 | 57,6 | 57,2 | 38,0 | 37,6 | 20,0 | 19,6 | 4 |
| 5 | 72,0 | 71,5 | 47,5 | 47,0 | 25,0 | 24,5 | 5 |
| 6 | 86,4 | 85,8 | 57,0 | 56,4 | 30,0 | 29,4 | 6 |
| 7 | 100,8 | 100,1 | 66,5 | 65,8 | 35,0 | 34,3 | 7 |
| 8 | 115,2 | 114,4 | 76,0 | 75,2 | 40,0 | 39,2 | 8 |
| 9 | 129,6 | 128,7 | 85,5 | 84,6 | 45,0 | 44,1 | 9 |

| 39g | 95 | 144 | 144 | 49 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | ***9.85** | ***0.14** | **9.90** | |
| **90 oo** | 82782 | *98257 | *01743 | 84525 | **10 oo** |
| 10 | 82876 | *98401 | *01599 | 84475 | 90 |
| 20 | 82970 | *98544 | *01456 | 84426 | 80 |
| 30 | 83064 | *98688 | *01312 | 84376 | 70 |
| 40 | 83159 | *98832 | *01168 | 84327 | 60 |
| 50 | 83253 | *98975 | *01025 | 84278 | 50 |
| 60 | 83347 | *99119 | *00881 | 84228 | 40 |
| 70 | 83441 | *99262 | *00738 | 84179 | 30 |
| 80 | 83535 | *99406 | *00594 | 84129 | 20 |
| 90 | 83630 | *99550 | *00450 | 84080 | 10 |
| **91 oo** | 83724 | *99693 | *00307 | 84031 | **09 oo** |
| 10 | 83818 | *99837 | *00163 | 83981 | 90 |
| 20 | 83912 | *99980 | *00020 | 83932 | 80 |
| 30 | 84006 | 00124 | 99876 | 83882 | 70 |
| 40 | 84100 | 00267 | 99733 | 83833 | 60 |
| 50 | 84195 | 00411 | 99589 | 83783 | 50 |
| 60 | 84289 | 00555 | 99445 | 83734 | 40 |
| 70 | 84383 | 00698 | 99302 | 83685 | 30 |
| 80 | 84477 | 00842 | 99158 | 83635 | 20 |
| 90 | 84571 | 00985 | 99015 | 83586 | 10 |
| **92 oo** | 84665 | 01129 | 98871 | 83536 | **08 oo** |
| 10 | 84759 | 01273 | 98727 | 83487 | 90 |
| 20 | 84854 | 01416 | 98584 | 83437 | 80 |
| 30 | 84948 | 01560 | 98440 | 83388 | 70 |
| 40 | 85042 | 01703 | 98297 | 83339 | 60 |
| 50 | 85136 | 01847 | 98153 | 83289 | 50 |
| 60 | 85230 | 01990 | 98010 | 83240 | 40 |
| 70 | 85324 | 02134 | 97866 | 83190 | 30 |
| 80 | 85418 | 02278 | 97722 | 83141 | 20 |
| 90 | 85512 | 02421 | 97579 | 83091 | 10 |
| **93 oo** | 85607 | 02565 | 97435 | 83042 | **07 oo** |
| 10 | 85701 | 02708 | 97292 | 82992 | 90 |
| 20 | 85795 | 02852 | 97148 | 82943 | 80 |
| 30 | 85889 | 02995 | 97005 | 82894 | 70 |
| 40 | 85983 | 03139 | 96861 | 82844 | 60 |
| 50 | 86077 | 03282 | 96718 | 82795 | 50 |
| 60 | 86171 | 03426 | 96574 | 82745 | 40 |
| 70 | 86265 | 03570 | 96430 | 82696 | 30 |
| 80 | 86359 | 03713 | 96287 | 82646 | 20 |
| 90 | 86453 | 03857 | 96143 | 82597 | 10 |
| **94 oo** | 86548 | 04000 | 96000 | 82547 | **06 oo** |
| 10 | 86642 | 04144 | 95856 | 82498 | 90 |
| 20 | 86736 | 04287 | 95713 | 82448 | 80 |
| 30 | 86830 | 04431 | 95569 | 82399 | 70 |
| 40 | 86924 | 04574 | 95426 | 82349 | 60 |
| 50 | 87018 | 04718 | 95282 | 82300 | 50 |
| 60 | 87112 | 04861 | 95139 | 82251 | 40 |
| 70 | 87206 | 05005 | 94995 | 82201 | 30 |
| 80 | 87300 | 05149 | 94851 | 82152 | 20 |
| 90 | 87394 | 05292 | 94708 | 82102 | 10 |
| **95 oo** | 87488 | 05436 | 94564 | 82053 | **05 oo** |
| | **9.76** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 94 | 143 | 143 | 50 | |

| 39g | 95 | 144 | 144 | 49 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.86** | **0.13** | **9.90** | |
| **95 oo** | 87488 | 05436 | 94564 | 82053 | **05 oo** |
| 10 | 87582 | 05579 | 94421 | 82003 | 90 |
| 20 | 87676 | 05723 | 94277 | 81954 | 80 |
| 30 | 87770 | 05866 | 94134 | 81904 | 70 |
| 40 | 87864 | 06010 | 93990 | 81855 | 60 |
| 50 | 87958 | 06153 | 93847 | 81805 | 50 |
| 60 | 88052 | 06297 | 93703 | 81756 | 40 |
| 70 | 88146 | 06440 | 93560 | 81706 | 30 |
| 80 | 88241 | 06584 | 93416 | 81657 | 20 |
| 90 | 88335 | 06727 | 93273 | 81607 | 10 |
| **96 oo** | 88429 | 06871 | 93129 | 81558 | **04 oo** |
| 10 | 88523 | 07014 | 92986 | 81508 | 90 |
| 20 | 88617 | 07158 | 92842 | 81459 | 80 |
| 30 | 88711 | 07301 | 92699 | 81409 | 70 |
| 40 | 88805 | 07445 | 92555 | 81360 | 60 |
| 50 | 88899 | 07588 | 92412 | 81310 | 50 |
| 60 | 88993 | 07732 | 92268 | 81261 | 40 |
| 70 | 89087 | 07875 | 92125 | 81211 | 30 |
| 80 | 89181 | 08019 | 91981 | 81162 | 20 |
| 90 | 89275 | 08162 | 91838 | 81112 | 10 |
| **97 oo** | 89369 | 08306 | 91694 | 81063 | **03 oo** |
| 10 | 89463 | 08449 | 91551 | 81013 | 90 |
| 20 | 89557 | 08593 | 91407 | 80964 | 80 |
| 30 | 89651 | 08736 | 91264 | 80914 | 70 |
| 40 | 89745 | 08880 | 91120 | 80865 | 60 |
| 50 | 89839 | 09023 | 90977 | 80815 | 50 |
| 60 | 89932 | 09167 | 90833 | 80766 | 40 |
| 70 | 90026 | 09310 | 90690 | 80716 | 30 |
| 80 | 90120 | 09454 | 90546 | 80666 | 20 |
| 90 | 90214 | 09597 | 90403 | 80617 | 10 |
| **98 oo** | 90308 | 09741 | 90259 | 80567 | **02 oo** |
| 10 | 90402 | 09884 | 90116 | 80518 | 90 |
| 20 | 90496 | 10028 | 89972 | 80468 | 80 |
| 30 | 90590 | 10171 | 89829 | 80419 | 70 |
| 40 | 90684 | 10315 | 89685 | 80369 | 60 |
| 50 | 90778 | 10458 | 89542 | 80320 | 50 |
| 60 | 90872 | 10602 | 89398 | 80270 | 40 |
| 70 | 90966 | 10745 | 89255 | 80221 | 30 |
| 80 | 91060 | 10889 | 89111 | 80171 | 20 |
| 90 | 91154 | 11032 | 88968 | 80122 | 10 |
| **99 oo** | 91248 | 11176 | 88824 | 80072 | **01 oo** |
| 10 | 91342 | 11319 | 88681 | 80022 | 90 |
| 20 | 91436 | 11463 | 88537 | 79973 | 80 |
| 30 | 91530 | 11606 | 88394 | 79923 | 70 |
| 40 | 91623 | 11750 | 88250 | 79874 | 60 |
| 50 | 91717 | 11893 | 88107 | 79824 | 50 |
| 60 | 91811 | 12037 | 87963 | 79775 | 40 |
| 70 | 91905 | 12180 | 87820 | 79725 | 30 |
| 80 | 91999 | 12323 | 87677 | 79676 | 20 |
| 90 | 92093 | 12467 | 87533 | 79626 | 10 |
| **100 oo** | 92187 | 12610 | 87390 | 79576 | **00 oo** |
| | **9.76** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 60g |
| | 93 | 143 | 143 | 50 | |

| | 144 | 143 | 95 | 94 | 93 | 50 | 49 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,4 | 14,3 | 9,5 | 9,4 | 9,3 | 5,0 | 4,9 | 1 |
| 2 | 28,8 | 28,6 | 19,0 | 18,8 | 18,6 | 10,0 | 9,8 | 2 |
| 3 | 43,2 | 42,9 | 28,5 | 28,2 | 27,9 | 15,0 | 14,7 | 3 |
| 4 | 57,6 | 57,2 | 38,0 | 37,6 | 37,2 | 20,0 | 19,6 | 4 |
| 5 | 72,0 | 71,5 | 47,5 | 47,0 | 46,5 | 25,0 | 24,5 | 5 |
| 6 | 86,4 | 85,8 | 57,0 | 56,4 | 55,8 | 30,0 | 29,4 | 6 |
| 7 | 100,8 | 100,1 | 66,5 | 65,8 | 65,1 | 35,0 | 34,3 | 7 |
| 8 | 115,2 | 114,4 | 76,0 | 75,2 | 74,4 | 40,0 | 39,2 | 8 |
| 9 | 129,6 | 128,7 | 85,5 | 84,6 | 83,7 | 45,0 | 44,1 | 9 |

| $40^g$ | 94 | 144 | 144 | 49 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.86** | **0.13** | **9.90** | |
| **00 oo** | 92187 | 12610 | 87390 | 79576 | **100 oo** |
| 10 | 92281 | 12754 | 87246 | 79527 | 90 |
| 20 | 92375 | 12897 | 87103 | 79477 | 80 |
| 30 | 92469 | 13041 | 86959 | 79428 | 70 |
| 40 | 92562 | 13184 | 86816 | 79378 | 60 |
| 50 | 92656 | 13328 | 86672 | 79329 | 50 |
| 60 | 92750 | 13471 | 86529 | 79279 | 40 |
| 70 | 92844 | 13615 | 86385 | 79229 | 30 |
| 80 | 92938 | 13758 | 86242 | 79180 | 20 |
| 90 | 93032 | 13901 | 86099 | 79130 | 10 |
| **01 oo** | 93126 | 14045 | 85955 | 79081 | **99 oo** |
| 10 | 93220 | 14188 | 85812 | 79031 | 90 |
| 20 | 93313 | 14332 | 85668 | 78982 | 80 |
| 30 | 93407 | 14475 | 85525 | 78932 | 70 |
| 40 | 93501 | 14619 | 85381 | 78882 | 60 |
| 50 | 93595 | 14762 | 85238 | 78833 | 50 |
| 60 | 93689 | 14906 | 85094 | 78783 | 40 |
| 70 | 93783 | 15049 | 84951 | 78734 | 30 |
| 80 | 93876 | 15192 | 84808 | 78684 | 20 |
| 90 | 93970 | 15336 | 84664 | 78634 | 10 |
| **02 oo** | 94064 | 15479 | 84521 | 78585 | **98 oo** |
| 10 | 94158 | 15623 | 84377 | 78535 | 90 |
| 20 | 94252 | 15766 | 84234 | 78486 | 80 |
| 30 | 94346 | 15910 | 84090 | 78436 | 70 |
| 40 | 94439 | 16053 | 83947 | 78386 | 60 |
| 50 | 94533 | 16196 | 83804 | 78337 | 50 |
| 60 | 94627 | 16340 | 83660 | 78287 | 40 |
| 70 | 94721 | 16483 | 83517 | 78238 | 30 |
| 80 | 94815 | 16627 | 83373 | 78188 | 20 |
| 90 | 94909 | 16770 | 83230 | 78138 | 10 |
| **03 oo** | 95002 | 16914 | 83086 | 78089 | **97 oo** |
| 10 | 95096 | 17057 | 82943 | 78039 | 90 |
| 20 | 95190 | 17200 | 82800 | 77990 | 80 |
| 30 | 95284 | 17344 | 82656 | 77940 | 70 |
| 40 | 95377 | 17487 | 82513 | 77890 | 60 |
| 50 | 95471 | 17631 | 82369 | 77841 | 50 |
| 60 | 95565 | 17774 | 82226 | 77791 | 40 |
| 70 | 95659 | 17917 | 82083 | 77741 | 30 |
| 80 | 95753 | 18061 | 81939 | 77692 | 20 |
| 90 | 95846 | 18204 | 81796 | 77642 | 10 |
| **04 oo** | 95940 | 18348 | 81652 | 77593 | **96 oo** |
| 10 | 96034 | 18491 | 81509 | 77543 | 90 |
| 20 | 96128 | 18634 | 81366 | 77493 | 80 |
| 30 | 96221 | 18778 | 81222 | 77444 | 70 |
| 40 | 96315 | 18921 | 81079 | 77394 | 60 |
| 50 | 96409 | 19065 | 80935 | 77344 | 50 |
| 60 | 96503 | 19208 | 80792 | 77295 | 40 |
| 70 | 96597 | 19351 | 80649 | 77245 | 30 |
| 80 | 96690 | 19495 | 80505 | 77195 | 20 |
| 90 | 96784 | 19638 | 80362 | 77146 | 10 |
| **05 oo** | 96878 | 19782 | 80218 | 77096 | **95 oo** |
| | **9.76** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $59^g$ |
| | 93 | 143 | 143 | 50 | |

| $40^g$ | 94 | 144 | 144 | 49 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.76** | **9.86** | **0.13** | **9.90** | |
| **05 oo** | 96878 | 19782 | 80218 | 77096 | **95 oo** |
| 10 | 96971 | 19925 | 80075 | 77047 | 90 |
| 20 | 97065 | 20068 | 79932 | 76997 | 80 |
| 30 | 97159 | 20212 | 79788 | 76947 | 70 |
| 40 | 97253 | 20355 | 79645 | 76898 | 60 |
| 50 | 97346 | 20498 | 79502 | 76848 | 50 |
| 60 | 97440 | 20642 | 79358 | 76798 | 40 |
| 70 | 97534 | 20785 | 79215 | 76749 | 30 |
| 80 | 97628 | 20929 | 79071 | 76699 | 20 |
| 90 | 97721 | 21072 | 78928 | 76649 | 10 |
| **06 oo** | 97815 | 21215 | 78785 | 76600 | **94 oo** |
| 10 | 97909 | 21359 | 78641 | 76550 | 90 |
| 20 | 98002 | 21502 | 78498 | 76500 | 80 |
| 30 | 98096 | 21645 | 78355 | 76451 | 70 |
| 40 | 98190 | 21789 | 78211 | 76401 | 60 |
| 50 | 98283 | 21932 | 78068 | 76351 | 50 |
| 60 | 98377 | 22076 | 77924 | 76302 | 40 |
| 70 | 98471 | 22219 | 77781 | 76252 | 30 |
| 80 | 98565 | 22362 | 77638 | 76202 | 20 |
| 90 | 98658 | 22506 | 77494 | 76153 | 10 |
| **07 oo** | 98752 | 22649 | 77351 | 76103 | **93 oo** |
| 10 | 98846 | 22792 | 77208 | 76053 | 90 |
| 20 | 98939 | 22936 | 77064 | 76004 | 80 |
| 30 | 99033 | 23079 | 76921 | 75954 | 70 |
| 40 | 99127 | 23222 | 76778 | 75904 | 60 |
| 50 | 99220 | 23366 | 76634 | 75855 | 50 |
| 60 | 99314 | 23509 | 76491 | 75805 | 40 |
| 70 | 99408 | 23652 | 76348 | 75755 | 30 |
| 80 | 99501 | 23796 | 76204 | 75705 | 20 |
| 90 | 99595 | 23939 | 76061 | 75656 | 10 |
| **08 oo** | 99689 | 24082 | 75918 | 75606 | **92 oo** |
| 10 | 99782 | 24226 | 75774 | 75556 | 90 |
| 20 | 99876 | 24369 | 75631 | 75507 | 80 |
| 30 | 99969 | 24512 | 75488 | 75457 | 70 |
| 40 | *00063 | 24656 | 75344 | 75407 | 60 |
| 50 | *00157 | 24799 | 75201 | 75358 | 50 |
| 60 | *00250 | 24942 | 75058 | 75308 | 40 |
| 70 | *00344 | 25086 | 74914 | 75258 | 30 |
| 80 | *00438 | 25229 | 74771 | 75208 | 20 |
| 90 | *00531 | 25372 | 74628 | 75159 | 10 |
| **09 oo** | *00625 | 25516 | 74484 | 75109 | **91 oo** |
| 10 | *00718 | 25659 | 74341 | 75059 | 90 |
| 20 | *00812 | 25802 | 74198 | 75010 | 80 |
| 30 | *00906 | 25946 | 74054 | 74960 | 70 |
| 40 | *00999 | 26089 | 73911 | 74910 | 60 |
| 50 | *01093 | 26232 | 73768 | 74860 | 50 |
| 60 | *01187 | 26376 | 73624 | 74811 | 40 |
| 70 | *01280 | 26519 | 73481 | 74761 | 30 |
| 80 | *01374 | 26662 | 73338 | 74711 | 20 |
| 90 | *01467 | 26806 | 73194 | 74662 | 10 |
| **10 oo** | *01561 | 26949 | 73051 | 74612 | **90 oo** |
| | ***9.77** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $59^g$ |
| | 93 | 143 | 143 | 50 | |

| | 144 | 143 | 94 | 93 | 50 | 49 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,4 | 14,3 | 9,4 | 9,3 | 5,0 | 4,9 | 1 |
| 2 | 28,8 | 28,6 | 18,8 | 18,6 | 10,0 | 9,8 | 2 |
| 3 | 43,2 | 42,9 | 28,2 | 27,9 | 15,0 | 14,7 | 3 |
| 4 | 57,6 | 57,2 | 37,6 | 37,2 | 20,0 | 19,6 | 4 |
| 5 | 72,0 | 71,5 | 47,0 | 46,5 | 25,0 | 24,5 | 5 |
| 6 | 86,4 | 85,8 | 56,4 | 55,8 | 30,0 | 29,4 | 6 |
| 7 | 100,8 | 100,1 | 65,8 | 65,1 | 35,0 | 34,3 | 7 |
| 8 | 115,2 | 114,4 | 75,2 | 74,4 | 40,0 | 39,2 | 8 |
| 9 | 129,6 | 128,7 | 84,6 | 83,7 | 45,0 | 44,1 | 9 |

| $40^g$ | 94 | 144 | 144 | 49 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.86** | **0.13** | **9.90** | |
| **10 oo** | 01561 | 26949 | 73051 | 74612 | **90 oo** |
| 10 | 01654 | 27092 | 72908 | 74562 | 90 |
| 20 | 01748 | 27236 | 72764 | 74512 | 80 |
| 30 | 01842 | 27379 | 72621 | 74463 | 70 |
| 40 | 01935 | 27522 | 72478 | 74413 | 60 |
| 50 | 02029 | 27666 | 72334 | 74363 | 50 |
| 60 | 02122 | 27809 | 72191 | 74313 | 40 |
| 70 | 02216 | 27952 | 72048 | 74264 | 30 |
| 80 | 02309 | 28095 | 71905 | 74214 | 20 |
| 90 | 02403 | 28239 | 71761 | 74164 | 10 |
| **11 oo** | 02497 | 28382 | 71618 | 74115 | **89 oo** |
| 10 | 02590 | 28525 | 71475 | 74065 | 90 |
| 20 | 02684 | 28669 | 71331 | 74015 | 80 |
| 30 | 02777 | 28812 | 71188 | 73965 | 70 |
| 40 | 02871 | 28955 | 71045 | 73916 | 60 |
| 50 | 02964 | 29099 | 70901 | 73866 | 50 |
| 60 | 03058 | 29242 | 70758 | 73816 | 40 |
| 70 | 03151 | 29385 | 70615 | 73766 | 30 |
| 80 | 03245 | 29528 | 70472 | 73717 | 20 |
| 90 | 03338 | 29672 | 70328 | 73667 | 10 |
| **12 oo** | 03432 | 29815 | 70185 | 73617 | **88 oo** |
| 10 | 03525 | 29958 | 70042 | 73567 | 90 |
| 20 | 03619 | 30102 | 69898 | 73517 | 80 |
| 30 | 03713 | 30245 | 69755 | 73468 | 70 |
| 40 | 03806 | 30388 | 69612 | 73418 | 60 |
| 50 | 03900 | 30531 | 69469 | 73368 | 50 |
| 60 | 03993 | 30675 | 69325 | 73318 | 40 |
| 70 | 04087 | 30818 | 69182 | 73269 | 30 |
| 80 | 04180 | 30961 | 69039 | 73219 | 20 |
| 90 | 04274 | 31104 | 68896 | 73169 | 10 |
| **13 oo** | 04367 | 31248 | 68752 | 73119 | **87 oo** |
| 10 | 04461 | 31391 | 68609 | 73070 | 90 |
| 20 | 04554 | 31534 | 68466 | 73020 | 80 |
| 30 | 04648 | 31678 | 68322 | 72970 | 70 |
| 40 | 04741 | 31821 | 68179 | 72920 | 60 |
| 50 | 04834 | 31964 | 68036 | 72870 | 50 |
| 60 | 04928 | 32107 | 67893 | 72821 | 40 |
| 70 | 05021 | 32251 | 67749 | 72771 | 30 |
| 80 | 05115 | 32394 | 67606 | 72721 | 20 |
| 90 | 05208 | 32537 | 67463 | 72671 | 10 |
| **14 oo** | 05302 | 32680 | 67320 | 72621 | **86 oo** |
| 10 | 05395 | 32824 | 67176 | 72572 | 90 |
| 20 | 05489 | 32967 | 67033 | 72522 | 80 |
| 30 | 05582 | 33110 | 66890 | 72472 | 70 |
| 40 | 05676 | 33253 | 66747 | 72422 | 60 |
| 50 | 05769 | 33397 | 66603 | 72372 | 50 |
| 60 | 05863 | 33540 | 66460 | 72323 | 40 |
| 70 | 05956 | 33683 | 66317 | 72273 | 30 |
| 80 | 06049 | 33826 | 66174 | 72223 | 20 |
| 90 | 06143 | 33970 | 66030 | 72173 | 10 |
| **15 oo** | 06236 | 34113 | 65887 | 72123 | **85 oo** |
| | **9.77** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $59^g$ |
| | 93 | 143 | 143 | 50 | |

| $40^g$ | 94 | 144 | 144 | 49 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.86** | **0.13** | **9.90** | |
| **15 oo** | 06236 | 34113 | 65887 | 72123 | **85 oo** |
| 10 | 06330 | 34256 | 65744 | 72074 | 90 |
| 20 | 06423 | 34399 | 65601 | 72024 | 80 |
| 30 | 06517 | 34543 | 65457 | 71974 | 70 |
| 40 | 06610 | 34686 | 65314 | 71924 | 60 |
| 50 | 06703 | 34829 | 65171 | 71874 | 50 |
| 60 | 06797 | 34972 | 65028 | 71825 | 40 |
| 70 | 06890 | 35116 | 64884 | 71775 | 30 |
| 80 | 06984 | 35259 | 64741 | 71725 | 20 |
| 90 | 07077 | 35402 | 64598 | 71675 | 10 |
| **16 oo** | 07170 | 35545 | 64455 | 71625 | **84 oo** |
| 10 | 07264 | 35688 | 64312 | 71575 | 90 |
| 20 | 07357 | 35832 | 64168 | 71526 | 80 |
| 30 | 07451 | 35975 | 64025 | 71476 | 70 |
| 40 | 07544 | 36118 | 63882 | 71426 | 60 |
| 50 | 07637 | 36261 | 63739 | 71376 | 50 |
| 60 | 07731 | 36405 | 63595 | 71326 | 40 |
| 70 | 07824 | 36548 | 63452 | 71276 | 30 |
| 80 | 07918 | 36691 | 63309 | 71227 | 20 |
| 90 | 08011 | 36834 | 63166 | 71177 | 10 |
| **17 oo** | 08104 | 36977 | 63023 | 71127 | **83 oo** |
| 10 | 08198 | 37121 | 62879 | 71077 | 90 |
| 20 | 08291 | 37264 | 62736 | 71027 | 80 |
| 30 | 08384 | 37407 | 62593 | 70977 | 70 |
| 40 | 08478 | 37550 | 62450 | 70928 | 60 |
| 50 | 08571 | 37693 | 62307 | 70878 | 50 |
| 60 | 08664 | 37837 | 62163 | 70828 | 40 |
| 70 | 08758 | 37980 | 62020 | 70778 | 30 |
| 80 | 08851 | 38123 | 61877 | 70728 | 20 |
| 90 | 08945 | 38266 | 61734 | 70678 | 10 |
| **18 oo** | 09038 | 38409 | 61591 | 70628 | **82 oo** |
| 10 | 09131 | 38553 | 61447 | 70579 | 90 |
| 20 | 09225 | 38696 | 61304 | 70529 | 80 |
| 30 | 09318 | 38839 | 61161 | 70479 | 70 |
| 40 | 09411 | 38982 | 61018 | 70429 | 60 |
| 50 | 09505 | 39125 | 60875 | 70379 | 50 |
| 60 | 09598 | 39269 | 60731 | 70329 | 40 |
| 70 | 09691 | 39412 | 60588 | 70279 | 30 |
| 80 | 09784 | 39555 | 60445 | 70229 | 20 |
| 90 | 09878 | 39698 | 60302 | 70180 | 10 |
| **19 oo** | 09971 | 39841 | 60159 | 70130 | **81 oo** |
| 10 | 10064 | 39985 | 60015 | 70080 | 90 |
| 20 | 10158 | 40128 | 59872 | 70030 | 80 |
| 30 | 10251 | 40271 | 59729 | 69980 | 70 |
| 40 | 10344 | 40414 | 59586 | 69930 | 60 |
| 50 | 10438 | 40557 | 59443 | 69880 | 50 |
| 60 | 10531 | 40700 | 59300 | 69830 | 40 |
| 70 | 10624 | 40844 | 59156 | 69781 | 30 |
| 80 | 10717 | 40987 | 59013 | 69731 | 20 |
| 90 | 10811 | 41130 | 58870 | 69681 | 10 |
| **20 oo** | 10904 | 41273 | 58727 | 69631 | **80 oo** |
| | **9.77** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $59^g$ |
| | 93 | 143 | 143 | 50 | |

| | 144 | 143 | 94 | 93 | 50 | 49 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,4 | 14,3 | 9,4 | 9,3 | 5,0 | 4,9 | 1 |
| 2 | 28,8 | 28,6 | 18,8 | 18,6 | 10,0 | 9,8 | 2 |
| 3 | 43,2 | 42,9 | 28,2 | 27,9 | 15,0 | 14,7 | 3 |
| 4 | 57,6 | 57,2 | 37,6 | 37,2 | 20,0 | 19,6 | 4 |
| 5 | 72,0 | 71,5 | 47,0 | 46,5 | 25,0 | 24,5 | 5 |
| 6 | 86,4 | 85,8 | 56,4 | 55,8 | 30,0 | 29,4 | 6 |
| 7 | 100,8 | 100,1 | 65,8 | 65,1 | 35,0 | 34,3 | 7 |
| 8 | 115,2 | 114,4 | 75,2 | 74,4 | 40,0 | 39,2 | 8 |
| 9 | 129,6 | 128,7 | 84,6 | 83,7 | 45,0 | 44,1 | 9 |

| $40^g$ | 94 | 144 | 144 | 49 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.86** | **0.13** | **9.90** | |
| **20 oo** | 10904 | 41273 | 58727 | 69631 | **80 oo** |
| 10 | 10997 | 41416 | 58584 | 69581 | 90 |
| 20 | 11091 | 41559 | 58441 | 69531 | 80 |
| 30 | 11184 | 41703 | 58297 | 69481 | 70 |
| 40 | 11277 | 41846 | 58154 | 69431 | 60 |
| 50 | 11370 | 41989 | 58011 | 69381 | 50 |
| 60 | 11464 | 42132 | 57868 | 69331 | 40 |
| 70 | 11557 | 42275 | 57725 | 69282 | 30 |
| 80 | 11650 | 42418 | 57582 | 69232 | 20 |
| 90 | 11743 | 42562 | 57438 | 69182 | 10 |
| **21 oo** | 11837 | 42705 | 57295 | 69132 | **79 oo** |
| 10 | 11930 | 42848 | 57152 | 69082 | 90 |
| 20 | 12023 | 42991 | 57009 | 69032 | 80 |
| 30 | 12116 | 43134 | 56866 | 68982 | 70 |
| 40 | 12210 | 43277 | 56723 | 68932 | 60 |
| 50 | 12303 | 43421 | 56579 | 68882 | 50 |
| 60 | 12396 | 43564 | 56436 | 68832 | 40 |
| 70 | 12489 | 43707 | 56293 | 68782 | 30 |
| 80 | 12583 | 43850 | 56150 | 68733 | 20 |
| 90 | 12676 | 43993 | 56007 | 68683 | 10 |
| **22 oo** | 12769 | 44136 | 55864 | 68633 | **78 oo** |
| 10 | 12862 | 44279 | 55721 | 68583 | 90 |
| 20 | 12955 | 44423 | 55577 | 68533 | 80 |
| 30 | 13049 | 44566 | 55434 | 68483 | 70 |
| 40 | 13142 | 44709 | 55291 | 68433 | 60 |
| 50 | 13235 | 44852 | 55148 | 68383 | 50 |
| 60 | 13328 | 44995 | 55005 | 68333 | 40 |
| 70 | 13421 | 45138 | 54862 | 68283 | 30 |
| 80 | 13515 | 45281 | 54719 | 68233 | 20 |
| 90 | 13608 | 45424 | 54576 | 68183 | 10 |
| **23 oo** | 13701 | 45568 | 54432 | 68133 | **77 oo** |
| 10 | 13794 | 45711 | 54289 | 68083 | 90 |
| 20 | 13887 | 45854 | 54146 | 68033 | 80 |
| 30 | 13981 | 45997 | 54003 | 67984 | 70 |
| 40 | 14074 | 46140 | 53860 | 67934 | 60 |
| 50 | 14167 | 46283 | 53717 | 67884 | 50 |
| 60 | 14260 | 46426 | 53574 | 67834 | 40 |
| 70 | 14353 | 46569 | 53431 | 67784 | 30 |
| 80 | 14446 | 46713 | 53287 | 67734 | 20 |
| 90 | 14540 | 46856 | 53144 | 67684 | 10 |
| **24 oo** | 14633 | 46999 | 53001 | 67634 | **76 oo** |
| 10 | 14726 | 47142 | 52858 | 67584 | 90 |
| 20 | 14819 | 47285 | 52715 | 67534 | 80 |
| 30 | 14912 | 47428 | 52572 | 67484 | 70 |
| 40 | 15005 | 47571 | 52429 | 67434 | 60 |
| 50 | 15098 | 47714 | 52286 | 67384 | 50 |
| 60 | 15192 | 47857 | 52143 | 67334 | 40 |
| 70 | 15285 | 48001 | 51999 | 67284 | 30 |
| 80 | 15378 | 48144 | 51856 | 67234 | 20 |
| 90 | 15471 | 48287 | 51713 | 67184 | 10 |
| **25 oo** | 15564 | 48430 | 51570 | 67134 | **75 oo** |
| | **9.77** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $59^g$ |
| | 93 | 143 | 143 | 50 | |

| $40^g$ | 94 | 144 | 144 | 50 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.86** | **0.13** | **9.90** | |
| **25 oo** | 15564 | 48430 | 51570 | 67134 | **75 oo** |
| 10 | 15657 | 48573 | 51427 | 67084 | 90 |
| 20 | 15750 | 48716 | 51284 | 67034 | 80 |
| 30 | 15843 | 48859 | 51141 | 66984 | 70 |
| 40 | 15937 | 49002 | 50998 | 66934 | 60 |
| 50 | 16030 | 49145 | 50855 | 66884 | 50 |
| 60 | 16123 | 49288 | 50712 | 66834 | 40 |
| 70 | 16216 | 49431 | 50569 | 66784 | 30 |
| 80 | 16309 | 49575 | 50425 | 66734 | 20 |
| 90 | 16402 | 49718 | 50282 | 66684 | 10 |
| **26 oo** | 16495 | 49861 | 50139 | 66634 | **74 oo** |
| 10 | 16588 | 50004 | 49996 | 66584 | 90 |
| 20 | 16681 | 50147 | 49853 | 66534 | 80 |
| 30 | 16774 | 50290 | 49710 | 66484 | 70 |
| 40 | 16867 | 50433 | 49567 | 66434 | 60 |
| 50 | 16961 | 50576 | 49424 | 66384 | 50 |
| 60 | 17054 | 50719 | 49281 | 66334 | 40 |
| 70 | 17147 | 50862 | 49138 | 66284 | 30 |
| 80 | 17240 | 51005 | 48995 | 66234 | 20 |
| 90 | 17333 | 51148 | 48852 | 66184 | 10 |
| **27 oo** | 17426 | 51292 | 48708 | 66134 | **73 oo** |
| 10 | 17519 | 51435 | 48565 | 66084 | 90 |
| 20 | 17612 | 51578 | 48422 | 66034 | 80 |
| 30 | 17705 | 51721 | 48279 | 65984 | 70 |
| 40 | 17798 | 51864 | 48136 | 65934 | 60 |
| 50 | 17891 | 52007 | 47993 | 65884 | 50 |
| 60 | 17984 | 52150 | 47850 | 65834 | 40 |
| 70 | 18077 | 52293 | 47707 | 65784 | 30 |
| 80 | 18170 | 52436 | 47564 | 65734 | 20 |
| 90 | 18263 | 52579 | 47421 | 65684 | 10 |
| **28 oo** | 18356 | 52722 | 47278 | 65634 | **72 oo** |
| 10 | 18449 | 52865 | 47135 | 65584 | 90 |
| 20 | 18542 | 53008 | 46992 | 65534 | 80 |
| 30 | 18635 | 53151 | 46849 | 65484 | 70 |
| 40 | 18729 | 53294 | 46706 | 65434 | 60 |
| 50 | 18822 | 53437 | 46563 | 65384 | 50 |
| 60 | 18915 | 53580 | 46420 | 65334 | 40 |
| 70 | 19008 | 53724 | 46276 | 65284 | 30 |
| 80 | 19101 | 53867 | 46133 | 65234 | 20 |
| 90 | 19194 | 54010 | 45990 | 65184 | 10 |
| **29 oo** | 19287 | 54153 | 45847 | 65134 | **71 oo** |
| 10 | 19380 | 54296 | 45704 | 65084 | 90 |
| 20 | 19473 | 54439 | 45561 | 65034 | 80 |
| 30 | 19566 | 54582 | 45418 | 64984 | 70 |
| 40 | 19659 | 54725 | 45275 | 64934 | 60 |
| 50 | 19752 | 54868 | 45132 | 64884 | 50 |
| 60 | 19845 | 55011 | 44989 | 64834 | 40 |
| 70 | 19937 | 55154 | 44846 | 64784 | 30 |
| 80 | 20030 | 55297 | 44703 | 64734 | 20 |
| 90 | 20123 | 55440 | 44560 | 64683 | 10 |
| **30 oo** | 20216 | 55583 | 44417 | 64633 | **70 oo** |
| | **9.77** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $59^g$ |
| | 92 | 143 | 143 | 51 | |

| | 144 | 143 | 94 | 93 | 92 | 51 | 50 | 49 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14,4 | 14,3 | 9,4 | 9,3 | 9,2 | 5,1 | 5,0 | 4,9 | 1 |
| 2 | 28,8 | 28,6 | 18,8 | 18,6 | 18,4 | 10,2 | 10,0 | 9,8 | 2 |
| 3 | 43,2 | 42,9 | 28,2 | 27,9 | 27,6 | 15,3 | 15,0 | 14,7 | 3 |
| 4 | 57,6 | 57,2 | 37,6 | 37,2 | 36,8 | 20,4 | 20,0 | 19,6 | 4 |
| 5 | 72,0 | 71,5 | 47,0 | 46,5 | 46,0 | 25,5 | 25,0 | 24,5 | 5 |
| 6 | 86,4 | 85,8 | 56,4 | 55,8 | 55,2 | 30,6 | 30,0 | 29,4 | 6 |
| 7 | 100,8 | 100,1 | 65,8 | 65,1 | 64,4 | 35,7 | 35,0 | 34,3 | 7 |
| 8 | 115,2 | 114,4 | 75,2 | 74,4 | 73,6 | 40,8 | 40,0 | 39,2 | 8 |
| 9 | 129,6 | 128,7 | 84,6 | 83,7 | 82,8 | 45,9 | 45,0 | 44,1 | 9 |

| 40g | 93 | 143 | 143 | 50 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.86** | **0.13** | **9.90** | |
| **30 oo** | 20216 | 55583 | 44417 | 64633 | **70 oo** |
| 10 | 20309 | 55726 | 44274 | 64583 | 90 |
| 20 | 20402 | 55869 | 44131 | 64533 | 80 |
| 30 | 20495 | 56012 | 43988 | 64483 | 70 |
| 40 | 20588 | 56155 | 43845 | 64433 | 60 |
| 50 | 20681 | 56298 | 43702 | 64383 | 50 |
| 60 | 20774 | 56441 | 43559 | 64333 | 40 |
| 70 | 20867 | 56584 | 43416 | 64283 | 30 |
| 80 | 20960 | 56727 | 43273 | 64233 | 20 |
| 90 | 21053 | 56870 | 43130 | 64183 | 10 |
| **31 oo** | 21146 | 57013 | 42987 | 64133 | **69 oo** |
| 10 | 21239 | 57156 | 42844 | 64083 | 90 |
| 20 | 21332 | 57299 | 42701 | 64033 | 80 |
| 30 | 21425 | 57442 | 42558 | 63983 | 70 |
| 40 | 21518 | 57585 | 42415 | 63932 | 60 |
| 50 | 21611 | 57728 | 42272 | 63882 | 50 |
| 60 | 21704 | 57871 | 42129 | 63832 | 40 |
| 70 | 21796 | 58014 | 41986 | 63782 | 30 |
| 80 | 21889 | 58157 | 41843 | 63732 | 20 |
| 90 | 21982 | 58300 | 41700 | 63682 | 10 |
| **32 oo** | 22075 | 58443 | 41557 | 63632 | **68 oo** |
| 10 | 22168 | 58586 | 41414 | 63582 | 90 |
| 20 | 22261 | 58729 | 41271 | 63532 | 80 |
| 30 | 22354 | 58872 | 41128 | 63482 | 70 |
| 40 | 22447 | 59015 | 40985 | 63432 | 60 |
| 50 | 22540 | 59158 | 40842 | 63382 | 50 |
| 60 | 22633 | 59301 | 40699 | 63331 | 40 |
| 70 | 22726 | 59444 | 40556 | 63281 | 30 |
| 80 | 22818 | 59587 | 40413 | 63231 | 20 |
| 90 | 22911 | 59730 | 40270 | 63181 | 10 |
| **33 oo** | 23004 | 59873 | 40127 | 63131 | **67 oo** |
| 10 | 23097 | 60016 | 39984 | 63081 | 90 |
| 20 | 23190 | 60159 | 39841 | 63031 | 80 |
| 30 | 23283 | 60302 | 39698 | 62981 | 70 |
| 40 | 23376 | 60445 | 39555 | 62931 | 60 |
| 50 | 23469 | 60588 | 39412 | 62880 | 50 |
| 60 | 23561 | 60731 | 39269 | 62830 | 40 |
| 70 | 23654 | 60874 | 39126 | 62780 | 30 |
| 80 | 23747 | 61017 | 38983 | 62730 | 20 |
| 90 | 23840 | 61160 | 38840 | 62680 | 10 |
| **34 oo** | 23933 | 61303 | 38697 | 62630 | **66 oo** |
| 10 | 24026 | 61446 | 38554 | 62580 | 90 |
| 20 | 24118 | 61589 | 38411 | 62530 | 80 |
| 30 | 24211 | 61732 | 38268 | 62479 | 70 |
| 40 | 24304 | 61875 | 38125 | 62429 | 60 |
| 50 | 24397 | 62018 | 37982 | 62379 | 50 |
| 60 | 24490 | 62161 | 37839 | 62329 | 40 |
| 70 | 24583 | 62304 | 37696 | 62279 | 30 |
| 80 | 24675 | 62447 | 37553 | 62229 | 20 |
| 90 | 24768 | 62590 | 37410 | 62179 | 10 |
| **35 oo** | 24861 | 62733 | 37267 | 62129 | **65 oo** |
| | **9.77** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | **59g** |
| | 92 | 143 | 143 | 51 | |

| 40g | 93 | 143 | 143 | 50 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.86** | **0.13** | **9.90** | |
| **35 oo** | 24861 | 62733 | 37267 | 62129 | **65 oo** |
| 10 | 24954 | 62876 | 37124 | 62078 | 90 |
| 20 | 25047 | 63019 | 36981 | 62028 | 80 |
| 30 | 25140 | 63161 | 36839 | 61978 | 70 |
| 40 | 25232 | 63304 | 36696 | 61928 | 60 |
| 50 | 25325 | 63447 | 36553 | 61878 | 50 |
| 60 | 25418 | 63590 | 36410 | 61828 | 40 |
| 70 | 25511 | 63733 | 36267 | 61778 | 30 |
| 80 | 25604 | 63876 | 36124 | 61727 | 20 |
| 90 | 25696 | 64019 | 35981 | 61677 | 10 |
| **36 oo** | 25789 | 64162 | 35838 | 61627 | **64 oo** |
| 10 | 25882 | 64305 | 35695 | 61577 | 90 |
| 20 | 25975 | 64448 | 35552 | 61527 | 80 |
| 30 | 26068 | 64591 | 35409 | 61477 | 70 |
| 40 | 26160 | 64734 | 35266 | 61426 | 60 |
| 50 | 26253 | 64877 | 35123 | 61376 | 50 |
| 60 | 26346 | 65020 | 34980 | 61326 | 40 |
| 70 | 26439 | 65163 | 34837 | 61276 | 30 |
| 80 | 26531 | 65306 | 34694 | 61226 | 20 |
| 90 | 26624 | 65449 | 34551 | 61176 | 10 |
| **37 oo** | 26717 | 65591 | 34409 | 61125 | **63 oo** |
| 10 | 26810 | 65734 | 34266 | 61075 | 90 |
| 20 | 26902 | 65877 | 34123 | 61025 | 80 |
| 30 | 26995 | 66020 | 33980 | 60975 | 70 |
| 40 | 27088 | 66163 | 33837 | 60925 | 60 |
| 50 | 27181 | 66306 | 33694 | 60875 | 50 |
| 60 | 27273 | 66449 | 33551 | 60824 | 40 |
| 70 | 27366 | 66592 | 33408 | 60774 | 30 |
| 80 | 27459 | 66735 | 33265 | 60724 | 20 |
| 90 | 27552 | 66878 | 33122 | 60674 | 10 |
| **38 oo** | 27644 | 67021 | 32979 | 60624 | **62 oo** |
| 10 | 27737 | 67164 | 32836 | 60573 | 90 |
| 20 | 27830 | 67306 | 32694 | 60523 | 80 |
| 30 | 27922 | 67449 | 32551 | 60473 | 70 |
| 40 | 28015 | 67592 | 32408 | 60423 | 60 |
| 50 | 28108 | 67735 | 32265 | 60373 | 50 |
| 60 | 28201 | 67878 | 32122 | 60322 | 40 |
| 70 | 28293 | 68021 | 31979 | 60272 | 30 |
| 80 | 28386 | 68164 | 31836 | 60222 | 20 |
| 90 | 28479 | 68307 | 31693 | 60172 | 10 |
| **39 oo** | 28571 | 68450 | 31550 | 60122 | **61 oo** |
| 10 | 28664 | 68593 | 31407 | 60071 | 90 |
| 20 | 28757 | 68736 | 31264 | 60021 | 80 |
| 30 | 28849 | 68878 | 31122 | 59971 | 70 |
| 40 | 28942 | 69021 | 30979 | 59921 | 60 |
| 50 | 29035 | 69164 | 30836 | 59871 | 50 |
| 60 | 29128 | 69307 | 30693 | 59820 | 40 |
| 70 | 29220 | 69450 | 30550 | 59770 | 30 |
| 80 | 29313 | 69593 | 30407 | 59720 | 20 |
| 90 | 29406 | 69736 | 30264 | 59670 | 10 |
| **40 oo** | 29498 | 69879 | 30121 | 59620 | **60 oo** |
| | **9.77** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | **59g** |
| | 92 | 142 | 142 | 51 | |

| | 143 | 142 | 93 | 92 | 51 | 50 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,3 | 14,2 | 9,3 | 9,2 | 5,1 | 5,0 | 1 |
| 2 | 28,6 | 28,4 | 18,6 | 18,4 | 10,2 | 10,0 | 2 |
| 3 | 42,9 | 42,6 | 27,9 | 27,6 | 15,3 | 15,0 | 3 |
| 4 | 57,2 | 56,8 | 37,2 | 36,8 | 20,4 | 20,0 | 4 |
| 5 | 71,5 | 71,0 | 46,5 | 46,0 | 25,5 | 25,0 | 5 |
| 6 | 85,8 | 85,2 | 55,8 | 55,2 | 30,6 | 30,0 | 6 |
| 7 | 100,1 | 99,4 | 65,1 | 64,4 | 35,7 | 35,0 | 7 |
| 8 | 114,4 | 113,6 | 74,4 | 73,6 | 40,8 | 40,0 | 8 |
| 9 | 128,7 | 127,8 | 83,7 | 82,8 | 45,9 | 45,0 | 9 |

| 40g | 93 | 143 | 143 | 50 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.86** | **0.13** | **9.90** | |
| **40 oo** | 29498 | 69879 | 30121 | 59620 | **60 oo** |
| 10 | 29591 | 70022 | 29978 | 59569 | 90 |
| 20 | 29684 | 70164 | 29836 | 59519 | 80 |
| 30 | 29776 | 70307 | 29693 | 59469 | 70 |
| 40 | 29869 | 70450 | 29550 | 59419 | 60 |
| 50 | 29961 | 70593 | 29407 | 59368 | 50 |
| 60 | 30054 | 70736 | 29264 | 59318 | 40 |
| 70 | 30147 | 70879 | 29121 | 59268 | 30 |
| 80 | 30239 | 71022 | 28978 | 59218 | 20 |
| 90 | 30332 | 71165 | 28835 | 59167 | 10 |
| **41 oo** | 30425 | 71307 | 28693 | 59117 | **59 oo** |
| 10 | 30517 | 71450 | 28550 | 59067 | 90 |
| 20 | 30610 | 71593 | 28407 | 59017 | 80 |
| 30 | 30703 | 71736 | 28264 | 58966 | 70 |
| 40 | 30795 | 71879 | 28121 | 58916 | 60 |
| 50 | 30888 | 72022 | 27978 | 58866 | 50 |
| 60 | 30980 | 72165 | 27835 | 58816 | 40 |
| 70 | 31073 | 72308 | 27692 | 58766 | 30 |
| 80 | 31166 | 72450 | 27550 | 58715 | 20 |
| 90 | 31258 | 72593 | 27407 | 58665 | 10 |
| **42 oo** | 31351 | 72736 | 27264 | 58615 | **58 oo** |
| 10 | 31443 | 72879 | 27121 | 58564 | 90 |
| 20 | 31536 | 73022 | 26978 | 58514 | 80 |
| 30 | 31629 | 73165 | 26835 | 58464 | 70 |
| 40 | 31721 | 73308 | 26692 | 58414 | 60 |
| 50 | 31814 | 73450 | 26550 | 58363 | 50 |
| 60 | 31906 | 73593 | 26407 | 58313 | 40 |
| 70 | 31999 | 73736 | 26264 | 58263 | 30 |
| 80 | 32092 | 73879 | 26121 | 58213 | 20 |
| 90 | 32184 | 74022 | 25978 | 58162 | 10 |
| **43 oo** | 32277 | 74165 | 25835 | 58112 | **57 oo** |
| 10 | 32369 | 74308 | 25692 | 58062 | 90 |
| 20 | 32462 | 74450 | 25550 | 58012 | 80 |
| 30 | 32554 | 74593 | 25407 | 57961 | 70 |
| 40 | 32647 | 74736 | 25264 | 57911 | 60 |
| 50 | 32740 | 74879 | 25121 | 57861 | 50 |
| 60 | 32832 | 75022 | 24978 | 57810 | 40 |
| 70 | 32925 | 75165 | 24835 | 57760 | 30 |
| 80 | 33017 | 75307 | 24693 | 57710 | 20 |
| 90 | 33110 | 75450 | 24550 | 57660 | 10 |
| **44 oo** | 33202 | 75593 | 24407 | 57609 | **56 oo** |
| 10 | 33295 | 75736 | 24264 | 57559 | 90 |
| 20 | 33387 | 75879 | 24121 | 57509 | 80 |
| 30 | 33480 | 76022 | 23978 | 57458 | 70 |
| 40 | 33573 | 76164 | 23836 | 57408 | 60 |
| 50 | 33665 | 76307 | 23693 | 57358 | 50 |
| 60 | 33758 | 76450 | 23550 | 57308 | 40 |
| 70 | 33850 | 76593 | 23407 | 57257 | 30 |
| 80 | 33943 | 76736 | 23264 | 57207 | 20 |
| 90 | 34035 | 76878 | 23122 | 57157 | 10 |
| **45 oo** | 34128 | 77021 | 22979 | 57106 | **55 oo** |
| | **9.77** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 59g |
| | 92 | 142 | 142 | 51 | |

| 40g | 93 | 143 | 143 | 50 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.86** | **0.13** | **9.90** | |
| **45 oo** | 34128 | 77021 | 22979 | 57106 | **55 oo** |
| 10 | 34220 | 77164 | 22836 | 57056 | 90 |
| 20 | 34313 | 77307 | 22693 | 57006 | 80 |
| 30 | 34405 | 77450 | 22550 | 56955 | 70 |
| 40 | 34498 | 77593 | 22407 | 56905 | 60 |
| 50 | 34590 | 77735 | 22265 | 56855 | 50 |
| 60 | 34683 | 77878 | 22122 | 56805 | 40 |
| 70 | 34775 | 78021 | 21979 | 56754 | 30 |
| 80 | 34868 | 78164 | 21836 | 56704 | 20 |
| 90 | 34960 | 78307 | 21693 | 56654 | 10 |
| **46 oo** | 35053 | 78449 | 21551 | 56603 | **54 oo** |
| 10 | 35145 | 78592 | 21408 | 56553 | 90 |
| 20 | 35238 | 78735 | 21265 | 56503 | 80 |
| 30 | 35330 | 78878 | 21122 | 56452 | 70 |
| 40 | 35423 | 79021 | 20979 | 56402 | 60 |
| 50 | 35515 | 79163 | 20837 | 56352 | 50 |
| 60 | 35607 | 79306 | 20694 | 56301 | 40 |
| 70 | 35700 | 79449 | 20551 | 56251 | 30 |
| 80 | 35792 | 79592 | 20408 | 56201 | 20 |
| 90 | 35885 | 79735 | 20265 | 56150 | 10 |
| **47 oo** | 35977 | 79877 | 20123 | 56100 | **53 oo** |
| 10 | 36070 | 80020 | 19980 | 56050 | 90 |
| 20 | 36162 | 80163 | 19837 | 55999 | 80 |
| 30 | 36255 | 80306 | 19694 | 55949 | 70 |
| 40 | 36347 | 80449 | 19551 | 55899 | 60 |
| 50 | 36440 | 80591 | 19409 | 55848 | 50 |
| 60 | 36532 | 80734 | 19266 | 55798 | 40 |
| 70 | 36624 | 80877 | 19123 | 55748 | 30 |
| 80 | 36717 | 81020 | 18980 | 55697 | 20 |
| 90 | 36809 | 81162 | 18838 | 55647 | 10 |
| **48 oo** | 36902 | 81305 | 18695 | 55596 | **52 oo** |
| 10 | 36994 | 81448 | 18552 | 55546 | 90 |
| 20 | 37087 | 81591 | 18409 | 55496 | 80 |
| 30 | 37179 | 81734 | 18266 | 55445 | 70 |
| 40 | 37271 | 81876 | 18124 | 55395 | 60 |
| 50 | 37364 | 82019 | 17981 | 55345 | 50 |
| 60 | 37456 | 82162 | 17838 | 55294 | 40 |
| 70 | 37549 | 82305 | 17695 | 55244 | 30 |
| 80 | 37641 | 82447 | 17553 | 55194 | 20 |
| 90 | 37733 | 82590 | 17410 | 55143 | 10 |
| **49 oo** | 37826 | 82733 | 17267 | 55093 | **51 oo** |
| 10 | 37918 | 82876 | 17124 | 55042 | 90 |
| 20 | 38011 | 83018 | 16982 | 54992 | 80 |
| 30 | 38103 | 83161 | 16839 | 54942 | 70 |
| 40 | 38195 | 83304 | 16696 | 54891 | 60 |
| 50 | 38288 | 83447 | 16553 | 54841 | 50 |
| 60 | 38380 | 83589 | 16411 | 54791 | 40 |
| 70 | 38472 | 83732 | 16268 | 54740 | 30 |
| 80 | 38565 | 83875 | 16125 | 54690 | 20 |
| 90 | 38657 | 84018 | 15982 | 54639 | 10 |
| **50 oo** | 38749 | 84160 | 15840 | 54589 | **50 oo** |
| | **9.77** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 59g |
| | 92 | 142 | 142 | 51 | |

| | 143 | 142 | 93 | 92 | 51 | 50 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,3 | 14,2 | 9,3 | 9,2 | 5,1 | 5,0 | 1 |
| 2 | 28,6 | 28,4 | 18,6 | 18,4 | 10,2 | 10,0 | 2 |
| 3 | 42,9 | 42,6 | 27,9 | 27,6 | 15,3 | 15,0 | 3 |
| 4 | 57,2 | 56,8 | 37,2 | 36,8 | 20,4 | 20,0 | 4 |
| 5 | 71,5 | 71,0 | 46,5 | 46,0 | 25,5 | 25,0 | 5 |
| 6 | 85,8 | 85,2 | 55,8 | 55,2 | 30,6 | 30,0 | 6 |
| 7 | 100,1 | 99,4 | 65,1 | 64,4 | 35,7 | 35,0 | 7 |
| 8 | 114,4 | 113,6 | 74,4 | 73,6 | 40,8 | 40,0 | 8 |
| 9 | 128,7 | 127,8 | 83,7 | 82,8 | 45,9 | 45,0 | 9 |

| $40^g$ | 93 | 143 | 143 | 50 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.86** | **0.13** | **9.90** | |
| **50 oo** | 38749 | 84160 | 15840 | 54589 | **50 oo** |
| 10 | 38842 | 84303 | 15697 | 54539 | 90 |
| 20 | 38934 | 84446 | 15554 | 54488 | 80 |
| 30 | 39027 | 84589 | 15411 | 54438 | 70 |
| 40 | 39119 | 84731 | 15269 | 54388 | 60 |
| 50 | 39211 | 84874 | 15126 | 54337 | 50 |
| 60 | 39304 | 85017 | 14983 | 54287 | 40 |
| 70 | 39396 | 85160 | 14840 | 54236 | 30 |
| 80 | 39488 | 85302 | 14698 | 54186 | 20 |
| 90 | 39581 | 85445 | 14555 | 54136 | 10 |
| **51 oo** | 39673 | 85588 | 14412 | 54085 | **49 oo** |
| 10 | 39765 | 85731 | 14269 | 54035 | 90 |
| 20 | 39858 | 85873 | 14127 | 53984 | 80 |
| 30 | 39950 | 86016 | 13984 | 53934 | 70 |
| 40 | 40042 | 86159 | 13841 | 53883 | 60 |
| 50 | 40135 | 86301 | 13699 | 53833 | 50 |
| 60 | 40227 | 86444 | 13556 | 53783 | 40 |
| 70 | 40319 | 86587 | 13413 | 53732 | 30 |
| 80 | 40411 | 86730 | 13270 | 53682 | 20 |
| 90 | 40504 | 86872 | 13128 | 53631 | 10 |
| **52 oo** | 40596 | 87015 | 12985 | 53581 | **48 oo** |
| 10 | 40688 | 87158 | 12842 | 53531 | 90 |
| 20 | 40781 | 87301 | 12699 | 53480 | 80 |
| 30 | 40873 | 87443 | 12557 | 53430 | 70 |
| 40 | 40965 | 87586 | 12414 | 53379 | 60 |
| 50 | 41058 | 87729 | 12271 | 53329 | 50 |
| 60 | 41150 | 87871 | 12129 | 53278 | 40 |
| 70 | 41242 | 88014 | 11986 | 53228 | 30 |
| 80 | 41334 | 88157 | 11843 | 53178 | 20 |
| 90 | 41427 | 88300 | 11700 | 53127 | 10 |
| **53 oo** | 41519 | 88442 | 11558 | 53077 | **47 oo** |
| 10 | 41611 | 88585 | 11415 | 53026 | 90 |
| 20 | 41703 | 88728 | 11272 | 52976 | 80 |
| 30 | 41796 | 88870 | 11130 | 52925 | 70 |
| 40 | 41888 | 89013 | 10987 | 52875 | 60 |
| 50 | 41980 | 89156 | 10844 | 52825 | 50 |
| 60 | 42073 | 89298 | 10702 | 52774 | 40 |
| 70 | 42165 | 89441 | 10559 | 52724 | 30 |
| 80 | 42257 | 89584 | 10416 | 52673 | 20 |
| 90 | 42349 | 89727 | 10273 | 52623 | 10 |
| **54 oo** | 42442 | 89869 | 10131 | 52572 | **46 oo** |
| 10 | 42534 | 90012 | 09988 | 52522 | 90 |
| 20 | 42626 | 90155 | 09845 | 52471 | 80 |
| 30 | 42718 | 90297 | 09703 | 52421 | 70 |
| 40 | 42810 | 90440 | 09560 | 52370 | 60 |
| 50 | 42903 | 90583 | 09417 | 52320 | 50 |
| 60 | 42995 | 90725 | 09275 | 52270 | 40 |
| 70 | 43087 | 90868 | 09132 | 52219 | 30 |
| 80 | 43179 | 91011 | 08989 | 52169 | 20 |
| 90 | 43272 | 91153 | 08847 | 52118 | 10 |
| **55 oo** | 43364 | 91296 | 08704 | 52068 | **45 oo** |
| | **9.77** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $59^g$ |
| | 92 | 142 | 142 | 51 | |

| $40^g$ | 93 | 143 | 143 | 50 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.86** | **0.13** | **9.90** | |
| **55 oo** | 43364 | 91296 | 08704 | 52068 | **45 oo** |
| 10 | 43456 | 91439 | 08561 | 52017 | 90 |
| 20 | 43548 | 91581 | 08419 | 51967 | 80 |
| 30 | 43640 | 91724 | 08276 | 51916 | 70 |
| 40 | 43733 | 91867 | 08133 | 51866 | 60 |
| 50 | 43825 | 92009 | 07991 | 51815 | 50 |
| 60 | 43917 | 92152 | 07848 | 51765 | 40 |
| 70 | 44009 | 92295 | 07705 | 51714 | 30 |
| 80 | 44101 | 92437 | 07563 | 51664 | 20 |
| 90 | 44194 | 92580 | 07420 | 51613 | 10 |
| **56 oo** | 44286 | 92723 | 07277 | 51563 | **44 oo** |
| 10 | 44378 | 92865 | 07135 | 51512 | 90 |
| 20 | 44470 | 93008 | 06992 | 51462 | 80 |
| 30 | 44562 | 93151 | 06849 | 51411 | 70 |
| 40 | 44654 | 93293 | 06707 | 51361 | 60 |
| 50 | 44747 | 93436 | 06564 | 51310 | 50 |
| 60 | 44839 | 93579 | 06421 | 51260 | 40 |
| 70 | 44931 | 93721 | 06279 | 51209 | 30 |
| 80 | 45023 | 93864 | 06136 | 51159 | 20 |
| 90 | 45115 | 94007 | 05993 | 51108 | 10 |
| **57 oo** | 45207 | 94149 | 05851 | 51058 | **43 oo** |
| 10 | 45299 | 94292 | 05708 | 51007 | 90 |
| 20 | 45392 | 94435 | 05565 | 50957 | 80 |
| 30 | 45484 | 94577 | 05423 | 50906 | 70 |
| 40 | 45576 | 94720 | 05280 | 50856 | 60 |
| 50 | 45668 | 94863 | 05137 | 50805 | 50 |
| 60 | 45760 | 95005 | 04995 | 50755 | 40 |
| 70 | 45852 | 95148 | 04852 | 50704 | 30 |
| 80 | 45944 | 95291 | 04709 | 50654 | 20 |
| 90 | 46037 | 95433 | 04567 | 50603 | 10 |
| **58 oo** | 46129 | 95576 | 04424 | 50553 | **42 oo** |
| 10 | 46221 | 95719 | 04281 | 50502 | 90 |
| 20 | 46313 | 95861 | 04139 | 50452 | 80 |
| 30 | 46405 | 96004 | 03996 | 50401 | 70 |
| 40 | 46497 | 96146 | 03854 | 50351 | 60 |
| 50 | 46589 | 96289 | 03711 | 50300 | 50 |
| 60 | 46681 | 96432 | 03568 | 50250 | 40 |
| 70 | 46773 | 96574 | 03426 | 50199 | 30 |
| 80 | 46866 | 96717 | 03283 | 50149 | 20 |
| 90 | 46958 | 96860 | 03140 | 50098 | 10 |
| **59 oo** | 47050 | 97002 | 02998 | 50048 | **41 oo** |
| 10 | 47142 | 97145 | 02855 | 49997 | 90 |
| 20 | 47234 | 97287 | 02713 | 49946 | 80 |
| 30 | 47326 | 97430 | 02570 | 49896 | 70 |
| 40 | 47418 | 97573 | 02427 | 49845 | 60 |
| 50 | 47510 | 97715 | 02285 | 49795 | 50 |
| 60 | 47602 | 97858 | 02142 | 49744 | 40 |
| 70 | 47694 | 98001 | 01999 | 49694 | 30 |
| 80 | 47786 | 98143 | 01857 | 49643 | 20 |
| 90 | 47878 | 98286 | 01714 | 49593 | 10 |
| **60 oo** | 47970 | 98428 | 01572 | 49542 | **40 oo** |
| | **9.77** | **9.86** | **0.13** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $59^g$ |
| | 92 | 142 | 142 | 51 | |

| | 143 | 142 | 93 | 92 | 51 | 50 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,3 | 14,2 | 9,3 | 9,2 | 5,1 | 5,0 | 1 |
| 2 | 28,6 | 28,4 | 18,6 | 18,4 | 10,2 | 10,0 | 2 |
| 3 | 42,9 | 42,6 | 27,9 | 27,6 | 15,3 | 15,0 | 3 |
| 4 | 57,2 | 56,8 | 37,2 | 36,8 | 20,4 | 20,0 | 4 |
| 5 | 71,5 | 71,0 | 46,5 | 46,0 | 25,5 | 25,0 | 5 |
| 6 | 85,8 | 85,2 | 55,8 | 55,2 | 30,6 | 30,0 | 6 |
| 7 | 100,1 | 99,4 | 65,1 | 64,4 | 35,7 | 35,0 | 7 |
| 8 | 114,4 | 113,6 | 74,4 | 73,6 | 40,8 | 40,0 | 8 |
| 9 | 128,7 | 127,8 | 83,7 | 82,8 | 45,9 | 45,0 | 9 |

| 40g | 93 | 143 | 143 | 50 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | ***9.86** | ***0.13** | **9.90** | |
| **60 oo** | 47970 | *98428 | *01572 | 49542 | **40 oo** |
| 10 | 48062 | *98571 | *01429 | 49492 | 90 |
| 20 | 48155 | *98714 | *01286 | 49441 | 80 |
| 30 | 48247 | *98856 | *01144 | 49390 | 70 |
| 40 | 48339 | *98999 | *01001 | 49340 | 60 |
| 50 | 48431 | *99141 | *00859 | 49289 | 50 |
| 60 | 48523 | *99284 | *00716 | 49239 | 40 |
| 70 | 48615 | *99427 | *00573 | 49188 | 30 |
| 80 | 48707 | *99569 | *00431 | 49138 | 20 |
| 90 | 48799 | *99712 | *00288 | 49087 | 10 |
| **61 oo** | 48891 | *99854 | *00146 | 49036 | **39 oo** |
| 10 | 48983 | *99997 | *00003 | 48986 | 90 |
| 20 | 49075 | 00140 | 99860 | 48935 | 80 |
| 30 | 49167 | 00282 | 99718 | 48885 | 70 |
| 40 | 49259 | 00425 | 99575 | 48834 | 60 |
| 50 | 49351 | 00567 | 99433 | 48784 | 50 |
| 60 | 49443 | 00710 | 99290 | 48733 | 40 |
| 70 | 49535 | 00853 | 99147 | 48682 | 30 |
| 80 | 49627 | 00995 | 99005 | 48632 | 20 |
| 90 | 49719 | 01138 | 98862 | 48581 | 10 |
| **62 oo** | 49811 | 01280 | 98720 | 48531 | **38 oo** |
| 10 | 49903 | 01423 | 98577 | 48480 | 90 |
| 20 | 49995 | 01565 | 98435 | 48429 | 80 |
| 30 | 50087 | 01708 | 98292 | 48379 | 70 |
| 40 | 50179 | 01851 | 98149 | 48328 | 60 |
| 50 | 50271 | 01993 | 98007 | 48278 | 50 |
| 60 | 50363 | 02136 | 97864 | 48227 | 40 |
| 70 | 50455 | 02278 | 97722 | 48177 | 30 |
| 80 | 50547 | 02421 | 97579 | 48126 | 20 |
| 90 | 50639 | 02564 | 97436 | 48075 | 10 |
| **63 oo** | 50731 | 02706 | 97294 | 48025 | **37 oo** |
| 10 | 50823 | 02849 | 97151 | 47974 | 90 |
| 20 | 50915 | 02991 | 97009 | 47924 | 80 |
| 30 | 51007 | 03134 | 96866 | 47873 | 70 |
| 40 | 51099 | 03276 | 96724 | 47822 | 60 |
| 50 | 51191 | 03419 | 96581 | 47772 | 50 |
| 60 | 51283 | 03561 | 96439 | 47721 | 40 |
| 70 | 51375 | 03704 | 96296 | 47670 | 30 |
| 80 | 51466 | 03847 | 96153 | 47620 | 20 |
| 90 | 51558 | 03989 | 96011 | 47569 | 10 |
| **64 oo** | 51650 | 04132 | 95868 | 47519 | **36 oo** |
| 10 | 51742 | 04274 | 95726 | 47468 | 90 |
| 20 | 51834 | 04417 | 95583 | 47417 | 80 |
| 30 | 51926 | 04559 | 95441 | 47367 | 70 |
| 40 | 52018 | 04702 | 95298 | 47316 | 60 |
| 50 | 52110 | 04844 | 95156 | 47265 | 50 |
| 60 | 52202 | 04987 | 95013 | 47215 | 40 |
| 70 | 52294 | 05130 | 94870 | 47164 | 30 |
| 80 | 52386 | 05272 | 94728 | 47114 | 20 |
| 90 | 52478 | 05415 | 94585 | 47063 | 10 |
| **65 oo** | 52570 | 05557 | 94443 | 47012 | **35 oo** |
| | **9.77** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 59g |
| | 91 | 142 | 142 | 51 | |

| 40g | 92 | 143 | 143 | 50 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.87** | **0.12** | **9.90** | |
| **65 oo** | 52570 | 05557 | 94443 | 47012 | **35 oo** |
| 10 | 52661 | 05700 | 94300 | 46962 | 90 |
| 20 | 52753 | 05842 | 94158 | 46911 | 80 |
| 30 | 52845 | 05985 | 94015 | 46860 | 70 |
| 40 | 52937 | 06127 | 93873 | 46810 | 60 |
| 50 | 53029 | 06270 | 93730 | 46759 | 50 |
| 60 | 53121 | 06412 | 93588 | 46708 | 40 |
| 70 | 53213 | 06555 | 93445 | 46658 | 30 |
| 80 | 53305 | 06698 | 93302 | 46607 | 20 |
| 90 | 53397 | 06840 | 93160 | 46557 | 10 |
| **66 oo** | 53488 | 06983 | 93017 | 46506 | **34 oo** |
| 10 | 53580 | 07125 | 92875 | 46455 | 90 |
| 20 | 53672 | 07268 | 92732 | 46405 | 80 |
| 30 | 53764 | 07410 | 92590 | 46354 | 70 |
| 40 | 53856 | 07553 | 92447 | 46303 | 60 |
| 50 | 53948 | 07695 | 92305 | 46253 | 50 |
| 60 | 54040 | 07838 | 92162 | 46202 | 40 |
| 70 | 54132 | 07980 | 92020 | 46151 | 30 |
| 80 | 54223 | 08123 | 91877 | 46101 | 20 |
| 90 | 54315 | 08265 | 91735 | 46050 | 10 |
| **67 oo** | 54407 | 08408 | 91592 | 45999 | **33 oo** |
| 10 | 54499 | 08550 | 91450 | 45949 | 90 |
| 20 | 54591 | 08693 | 91307 | 45898 | 80 |
| 30 | 54683 | 08835 | 91165 | 45847 | 70 |
| 40 | 54774 | 08978 | 91022 | 45797 | 60 |
| 50 | 54866 | 09120 | 90880 | 45746 | 50 |
| 60 | 54958 | 09263 | 90737 | 45695 | 40 |
| 70 | 55050 | 09405 | 90595 | 45645 | 30 |
| 80 | 55142 | 09548 | 90452 | 45594 | 20 |
| 90 | 55234 | 09690 | 90310 | 45543 | 10 |
| **68 oo** | 55325 | 09833 | 90167 | 45493 | **32 oo** |
| 10 | 55417 | 09975 | 90025 | 45442 | 90 |
| 20 | 55509 | 10118 | 89882 | 45391 | 80 |
| 30 | 55601 | 10260 | 89740 | 45340 | 70 |
| 40 | 55693 | 10403 | 89597 | 45290 | 60 |
| 50 | 55784 | 10545 | 89455 | 45239 | 50 |
| 60 | 55876 | 10688 | 89312 | 45188 | 40 |
| 70 | 55968 | 10830 | 89170 | 45138 | 30 |
| 80 | 56060 | 10973 | 89027 | 45087 | 20 |
| 90 | 56152 | 11115 | 88885 | 45036 | 10 |
| **69 oo** | 56243 | 11258 | 88742 | 44986 | **31 oo** |
| 10 | 56335 | 11400 | 88600 | 44935 | 90 |
| 20 | 56427 | 11543 | 88457 | 44884 | 80 |
| 30 | 56519 | 11685 | 88315 | 44833 | 70 |
| 40 | 56611 | 11828 | 88172 | 44783 | 60 |
| 50 | 56702 | 11970 | 88030 | 44732 | 50 |
| 60 | 56794 | 12113 | 87887 | 44681 | 40 |
| 70 | 56886 | 12255 | 87745 | 44631 | 30 |
| 80 | 56978 | 12398 | 87602 | 44580 | 20 |
| 90 | 57069 | 12540 | 87460 | 44529 | 10 |
| **70 oo** | 57161 | 12683 | 87317 | 44478 | **30 oo** |
| | **9.77** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 59g |
| | 91 | 142 | 142 | 51 | |

| | 143 | 142 | 93 | 92 | 91 | 51 | 50 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,3 | 14,2 | 9,3 | 9,2 | 9,1 | 5,1 | 5,0 | 1 |
| 2 | 28,6 | 28,4 | 18,6 | 18,4 | 18,2 | 10,2 | 10,0 | 2 |
| 3 | 42,9 | 42,6 | 27,9 | 27,6 | 27,3 | 15,3 | 15,0 | 3 |
| 4 | 57,2 | 56,8 | 37,2 | 36,8 | 36,4 | 20,4 | 20,0 | 4 |
| 5 | 71,5 | 71,0 | 46,5 | 46,0 | 45,5 | 25,5 | 25,0 | 5 |
| 6 | 85,8 | 85,2 | 55,8 | 55,2 | 54,6 | 30,6 | 30,0 | 6 |
| 7 | 100,1 | 99,4 | 65,1 | 64,4 | 63,7 | 35,7 | 35,0 | 7 |
| 8 | 114,4 | 113,6 | 74,4 | 73,6 | 72,8 | 40,8 | 40,0 | 8 |
| 9 | 128,7 | 127,8 | 83,7 | 82,8 | 81,9 | 45,9 | 45,0 | 9 |

| $40^g$ | 92 | 143 | 143 | 50 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.87** | **0.12** | **9.90** | |
| **70 oo** | 57161 | 12683 | 87317 | 44478 | **30 oo** |
| 10 | 57253 | 12825 | 87175 | 44428 | 90 |
| 20 | 57345 | 12968 | 87032 | 44377 | 80 |
| 30 | 57436 | 13110 | 86890 | 44326 | 70 |
| 40 | 57528 | 13253 | 86747 | 44276 | 60 |
| 50 | 57620 | 13395 | 86605 | 44225 | 50 |
| 60 | 57712 | 13537 | 86463 | 44174 | 40 |
| 70 | 57803 | 13680 | 86320 | 44123 | 30 |
| 80 | 57895 | 13822 | 86178 | 44073 | 20 |
| 90 | 57987 | 13965 | 86035 | 44022 | 10 |
| **71 oo** | 58079 | 14107 | 85893 | 43971 | **29 oo** |
| 10 | 58170 | 14250 | 85750 | 43920 | 90 |
| 20 | 58262 | 14392 | 85608 | 43870 | 80 |
| 30 | 58354 | 14535 | 85465 | 43819 | 70 |
| 40 | 58445 | 14677 | 85323 | 43768 | 60 |
| 50 | 58537 | 14820 | 85180 | 43717 | 50 |
| 60 | 58629 | 14962 | 85038 | 43667 | 40 |
| 70 | 58721 | 15105 | 84895 | 43616 | 30 |
| 80 | 58812 | 15247 | 84753 | 43565 | 20 |
| 90 | 58904 | 15389 | 84611 | 43514 | 10 |
| **72 oo** | 58996 | 15532 | 84468 | 43464 | **28 oo** |
| 10 | 59087 | 15674 | 84326 | 43413 | 90 |
| 20 | 59179 | 15817 | 84183 | 43362 | 80 |
| 30 | 59271 | 15959 | 84041 | 43311 | 70 |
| 40 | 59362 | 16102 | 83898 | 43261 | 60 |
| 50 | 59454 | 16244 | 83756 | 43210 | 50 |
| 60 | 59546 | 16387 | 83613 | 43159 | 40 |
| 70 | 59637 | 16529 | 83471 | 43108 | 30 |
| 80 | 59729 | 16671 | 83329 | 43058 | 20 |
| 90 | 59821 | 16814 | 83186 | 43007 | 10 |
| **73 oo** | 59912 | 16956 | 83044 | 42956 | **27 oo** |
| 10 | 60004 | 17099 | 82901 | 42905 | 90 |
| 20 | 60096 | 17241 | 82759 | 42855 | 80 |
| 30 | 60187 | 17384 | 82616 | 42804 | 70 |
| 40 | 60279 | 17526 | 82474 | 42753 | 60 |
| 50 | 60371 | 17668 | 82332 | 42702 | 50 |
| 60 | 60462 | 17811 | 82189 | 42651 | 40 |
| 70 | 60554 | 17953 | 82047 | 42601 | 30 |
| 80 | 60646 | 18096 | 81904 | 42550 | 20 |
| 90 | 60737 | 18238 | 81762 | 42499 | 10 |
| **74 oo** | 60829 | 18381 | 81619 | 42448 | **26 oo** |
| 10 | 60921 | 18523 | 81477 | 42398 | 90 |
| 20 | 61012 | 18665 | 81335 | 42347 | 80 |
| 30 | 61104 | 18808 | 81192 | 42296 | 70 |
| 40 | 61195 | 18950 | 81050 | 42245 | 60 |
| 50 | 61287 | 19093 | 80907 | 42194 | 50 |
| 60 | 61379 | 19235 | 80765 | 42144 | 40 |
| 70 | 61470 | 19378 | 80622 | 42093 | 30 |
| 80 | 61562 | 19520 | 80480 | 42042 | 20 |
| 90 | 61654 | 19662 | 80338 | 41991 | 10 |
| **75 oo** | 61745 | 19805 | 80195 | 41940 | **25 oo** |
| | **9.77** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $59^g$ |
| | 91 | 142 | 142 | 51 | |

| $40^g$ | 92 | 143 | 143 | 50 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.87** | **0.12** | **9.90** | |
| **75 oo** | 61745 | 19805 | 80195 | 41940 | **25 oo** |
| 10 | 61837 | 19947 | 80053 | 41890 | 90 |
| 20 | 61928 | 20090 | 79910 | 41839 | 80 |
| 30 | 62020 | 20232 | 79768 | 41788 | 70 |
| 40 | 62112 | 20374 | 79626 | 41737 | 60 |
| 50 | 62203 | 20517 | 79483 | 41686 | 50 |
| 60 | 62295 | 20659 | 79341 | 41636 | 40 |
| 70 | 62386 | 20802 | 79198 | 41585 | 30 |
| 80 | 62478 | 20944 | 79056 | 41534 | 20 |
| 90 | 62570 | 21086 | 78914 | 41483 | 10 |
| **76 oo** | 62661 | 21229 | 78771 | 41432 | **24 oo** |
| 10 | 62753 | 21371 | 78629 | 41381 | 90 |
| 20 | 62844 | 21514 | 78486 | 41331 | 80 |
| 30 | 62936 | 21656 | 78344 | 41280 | 70 |
| 40 | 63027 | 21798 | 78202 | 41229 | 60 |
| 50 | 63119 | 21941 | 78059 | 41178 | 50 |
| 60 | 63210 | 22083 | 77917 | 41127 | 40 |
| 70 | 63302 | 22226 | 77774 | 41077 | 30 |
| 80 | 63394 | 22368 | 77632 | 41026 | 20 |
| 90 | 63485 | 22510 | 77490 | 40975 | 10 |
| **77 oo** | 63577 | 22653 | 77347 | 40924 | **23 oo** |
| 10 | 63668 | 22795 | 77205 | 40873 | 90 |
| 20 | 63760 | 22937 | 77063 | 40822 | 80 |
| 30 | 63851 | 23080 | 76920 | 40772 | 70 |
| 40 | 63943 | 23222 | 76778 | 40721 | 60 |
| 50 | 64034 | 23365 | 76635 | 40670 | 50 |
| 60 | 64126 | 23507 | 76493 | 40619 | 40 |
| 70 | 64217 | 23649 | 76351 | 40568 | 30 |
| 80 | 64309 | 23792 | 76208 | 40517 | 20 |
| 90 | 64400 | 23934 | 76066 | 40466 | 10 |
| **78 oo** | 64492 | 24076 | 75924 | 40416 | **22 oo** |
| 10 | 64584 | 24219 | 75781 | 40365 | 90 |
| 20 | 64675 | 24361 | 75639 | 40314 | 80 |
| 30 | 64767 | 24504 | 75496 | 40263 | 70 |
| 40 | 64858 | 24646 | 75354 | 40212 | 60 |
| 50 | 64950 | 24788 | 75212 | 40161 | 50 |
| 60 | 65041 | 24931 | 75069 | 40110 | 40 |
| 70 | 65133 | 25073 | 74927 | 40060 | 30 |
| 80 | 65224 | 25215 | 74785 | 40009 | 20 |
| 90 | 65316 | 25358 | 74642 | 39958 | 10 |
| **79 oo** | 65407 | 25500 | 74500 | 39907 | **21 oo** |
| 10 | 65499 | 25642 | 74358 | 39856 | 90 |
| 20 | 65590 | 25785 | 74215 | 39805 | 80 |
| 30 | 65681 | 25927 | 74073 | 39754 | 70 |
| 40 | 65773 | 26069 | 73931 | 39703 | 60 |
| 50 | 65864 | 26212 | 73788 | 39653 | 50 |
| 60 | 65956 | 26354 | 73646 | 39602 | 40 |
| 70 | 66047 | 26496 | 73504 | 39551 | 30 |
| 80 | 66139 | 26639 | 73361 | 39500 | 20 |
| 90 | 66230 | 26781 | 73219 | 39449 | 10 |
| **80 oo** | 66322 | 26924 | 73076 | 39398 | **20 oo** |
| | **9.77** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $59^g$ |
| | 91 | 142 | 142 | 51 | |

| | 143 | 142 | 92 | 91 | 51 | 50 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,3 | 14,2 | 9,2 | 9,1 | 5,1 | 5,0 | 1 |
| 2 | 28,6 | 28,4 | 18,4 | 18,2 | 10,2 | 10,0 | 2 |
| 3 | 42,9 | 42,6 | 27,6 | 27,3 | 15,3 | 15,0 | 3 |
| 4 | 57,2 | 56,8 | 36,8 | 36,4 | 20,4 | 20,0 | 4 |
| 5 | 71,5 | 71,0 | 46,0 | 45,5 | 25,5 | 25,0 | 5 |
| 6 | 85,8 | 85,2 | 55,2 | 54,6 | 30,6 | 30,0 | 6 |
| 7 | 100,1 | 99,4 | 64,4 | 63,7 | 35,7 | 35,0 | 7 |
| 8 | 114,4 | 113,6 | 73,6 | 72,8 | 40,8 | 40,0 | 8 |
| 9 | 128,7 | 127,8 | 82,8 | 81,9 | 45,9 | 45,0 | 9 |

| 40g | 92 | 143 | 143 | 50 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.87** | **0.12** | **9.90** | |
| **80 oo** | 66322 | 26924 | 73076 | 39398 | **20 oo** |
| 10 | 66413 | 27066 | 72934 | 39347 | 90 |
| 20 | 66505 | 27208 | 72792 | 39296 | 80 |
| 30 | 66596 | 27351 | 72649 | 39246 | 70 |
| 40 | 66688 | 27493 | 72507 | 39195 | 60 |
| 50 | 66779 | 27635 | 72365 | 39144 | 50 |
| 60 | 66870 | 27778 | 72222 | 39093 | 40 |
| 70 | 66962 | 27920 | 72080 | 39042 | 30 |
| 80 | 67053 | 28062 | 71938 | 38991 | 20 |
| 90 | 67145 | 28205 | 71795 | 38940 | 10 |
| **81 oo** | 67236 | 28347 | 71653 | 38889 | **19 oo** |
| 10 | 67328 | 28489 | 71511 | 38838 | 90 |
| 20 | 67419 | 28632 | 71368 | 38787 | 80 |
| 30 | 67510 | 28774 | 71226 | 38737 | 70 |
| 40 | 67602 | 28916 | 71084 | 38686 | 60 |
| 50 | 67693 | 29058 | 70942 | 38635 | 50 |
| 60 | 67785 | 29201 | 70799 | 38584 | 40 |
| 70 | 67876 | 29343 | 70657 | 38533 | 30 |
| 80 | 67967 | 29485 | 70515 | 38482 | 20 |
| 90 | 68059 | 29628 | 70372 | 38431 | 10 |
| **82 oo** | 68150 | 29770 | 70230 | 38380 | **18 oo** |
| 10 | 68242 | 29912 | 70088 | 38329 | 90 |
| 20 | 68333 | 30055 | 69945 | 38278 | 80 |
| 30 | 68424 | 30197 | 69803 | 38227 | 70 |
| 40 | 68516 | 30339 | 69661 | 38176 | 60 |
| 50 | 68607 | 30482 | 69518 | 38126 | 50 |
| 60 | 68699 | 30624 | 69376 | 38075 | 40 |
| 70 | 68790 | 30766 | 69234 | 38024 | 30 |
| 80 | 68881 | 30909 | 69091 | 37973 | 20 |
| 90 | 68973 | 31051 | 68949 | 37922 | 10 |
| **83 oo** | 69064 | 31193 | 68807 | 37871 | **17 oo** |
| 10 | 69155 | 31335 | 68665 | 37820 | 90 |
| 20 | 69247 | 31478 | 68522 | 37769 | 80 |
| 30 | 69338 | 31620 | 68380 | 37718 | 70 |
| 40 | 69429 | 31762 | 68238 | 37667 | 60 |
| 50 | 69521 | 31905 | 68095 | 37616 | 50 |
| 60 | 69612 | 32047 | 67953 | 37565 | 40 |
| 70 | 69704 | 32189 | 67811 | 37514 | 30 |
| 80 | 69795 | 32332 | 67668 | 37463 | 20 |
| 90 | 69886 | 32474 | 67526 | 37412 | 10 |
| **84 oo** | 69978 | 32616 | 67384 | 37361 | **16 oo** |
| 10 | 70069 | 32758 | 67242 | 37310 | 90 |
| 20 | 70160 | 32901 | 67099 | 37260 | 80 |
| 30 | 70252 | 33043 | 66957 | 37209 | 70 |
| 40 | 70343 | 33185 | 66815 | 37158 | 60 |
| 50 | 70434 | 33328 | 66672 | 37107 | 50 |
| 60 | 70526 | 33470 | 66530 | 37056 | 40 |
| 70 | 70617 | 33612 | 66388 | 37005 | 30 |
| 80 | 70708 | 33754 | 66246 | 36954 | 20 |
| 90 | 70799 | 33897 | 66103 | 36903 | 10 |
| **85 oo** | 70891 | 34039 | 65961 | 36852 | **15 oo** |
| | **9.77** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 91 | 142 | 142 | 51 | 59g |

| 40g | 92 | 143 | 143 | 51 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.87** | **0.12** | **9.90** | |
| **85 oo** | 70891 | 34039 | 65961 | 36852 | **15 oo** |
| 10 | 70982 | 34181 | 65819 | 36801 | 90 |
| 20 | 71073 | 34323 | 65677 | 36750 | 80 |
| 30 | 71165 | 34466 | 65534 | 36699 | 70 |
| 40 | 71256 | 34608 | 65392 | 36648 | 60 |
| 50 | 71347 | 34750 | 65250 | 36597 | 50 |
| 60 | 71439 | 34893 | 65107 | 36546 | 40 |
| 70 | 71530 | 35035 | 64965 | 36495 | 30 |
| 80 | 71621 | 35177 | 64823 | 36444 | 20 |
| 90 | 71712 | 35319 | 64681 | 36393 | 10 |
| **86 oo** | 71804 | 35462 | 64538 | 36342 | **14 oo** |
| 10 | 71895 | 35604 | 64396 | 36291 | 90 |
| 20 | 71986 | 35746 | 64254 | 36240 | 80 |
| 30 | 72078 | 35888 | 64112 | 36189 | 70 |
| 40 | 72169 | 36031 | 63969 | 36138 | 60 |
| 50 | 72260 | 36173 | 63827 | 36087 | 50 |
| 60 | 72351 | 36315 | 63685 | 36036 | 40 |
| 70 | 72443 | 36457 | 63543 | 35985 | 30 |
| 80 | 72534 | 36600 | 63400 | 35934 | 20 |
| 90 | 72625 | 36742 | 63258 | 35883 | 10 |
| **87 oo** | 72716 | 36884 | 63116 | 35832 | **13 oo** |
| 10 | 72808 | 37026 | 62974 | 35781 | 90 |
| 20 | 72899 | 37169 | 62831 | 35730 | 80 |
| 30 | 72990 | 37311 | 62689 | 35679 | 70 |
| 40 | 73081 | 37453 | 62547 | 35628 | 60 |
| 50 | 73173 | 37595 | 62405 | 35577 | 50 |
| 60 | 73264 | 37738 | 62262 | 35526 | 40 |
| 70 | 73355 | 37880 | 62120 | 35475 | 30 |
| 80 | 73446 | 38022 | 61978 | 35424 | 20 |
| 90 | 73537 | 38164 | 61836 | 35373 | 10 |
| **88 oo** | 73629 | 38307 | 61693 | 35322 | **12 oo** |
| 10 | 73720 | 38449 | 61551 | 35271 | 90 |
| 20 | 73811 | 38591 | 61409 | 35220 | 80 |
| 30 | 73902 | 38733 | 61267 | 35169 | 70 |
| 40 | 73993 | 38876 | 61124 | 35118 | 60 |
| 50 | 74085 | 39018 | 60982 | 35067 | 50 |
| 60 | 74176 | 39160 | 60840 | 35016 | 40 |
| 70 | 74267 | 39302 | 60698 | 34965 | 30 |
| 80 | 74358 | 39444 | 60556 | 34914 | 20 |
| 90 | 74449 | 39587 | 60413 | 34863 | 10 |
| **89 oo** | 74541 | 39729 | 60271 | 34812 | **11 oo** |
| 10 | 74632 | 39871 | 60129 | 34761 | 90 |
| 20 | 74723 | 40013 | 59987 | 34710 | 80 |
| 30 | 74814 | 40156 | 59844 | 34659 | 70 |
| 40 | 74905 | 40298 | 59702 | 34608 | 60 |
| 50 | 74997 | 40440 | 59560 | 34557 | 50 |
| 60 | 75088 | 40582 | 59418 | 34505 | 40 |
| 70 | 75179 | 40724 | 59276 | 34454 | 30 |
| 80 | 75270 | 40867 | 59133 | 34403 | 20 |
| 90 | 75361 | 41009 | 58991 | 34352 | 10 |
| **90 oo** | 75452 | 41151 | 58849 | 34301 | **10 oo** |
| | **9.77** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 91 | 142 | 142 | 52 | 59g |

| | 143 | 142 | 92 | 91 | 52 | 51 | 50 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,3 | 14,2 | 9,2 | 9,1 | 5,2 | 5,1 | 5,0 | 1 |
| 2 | 28,6 | 28,4 | 18,4 | 18,2 | 10,4 | 10,2 | 10,0 | 2 |
| 3 | 42,9 | 42,6 | 27,6 | 27,3 | 15,6 | 15,3 | 15,0 | 3 |
| 4 | 57,2 | 56,8 | 36,8 | 36,4 | 20,8 | 20,4 | 20,0 | 4 |
| 5 | 71,5 | 71,0 | 46,0 | 45,5 | 26,0 | 25,5 | 25,0 | 5 |
| 6 | 85,8 | 85,2 | 55,2 | 54,6 | 31,2 | 30,6 | 30,0 | 6 |
| 7 | 100,1 | 99,4 | 64,4 | 63,7 | 36,4 | 35,7 | 35,0 | 7 |
| 8 | 114,4 | 113,6 | 73,6 | 72,8 | 41,6 | 40,8 | 40,0 | 8 |
| 9 | 128,7 | 127,8 | 82,8 | 81,9 | 46,8 | 45,9 | 45,0 | 9 |

| 40g | 92 | 143 | 143 | 51 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.87** | **0.12** | **9.90** | |
| **90 00** | 75452 | 41151 | 58849 | 34301 | **10 00** |
| 10 | 75544 | 41293 | 58707 | 34250 | 90 |
| 20 | 75635 | 41435 | 58565 | 34199 | 80 |
| 30 | 75726 | 41578 | 58422 | 34148 | 70 |
| 40 | 75817 | 41720 | 58280 | 34097 | 60 |
| 50 | 75908 | 41862 | 58138 | 34046 | 50 |
| 60 | 75999 | 42004 | 57996 | 33995 | 40 |
| 70 | 76090 | 42147 | 57853 | 33944 | 30 |
| 80 | 76182 | 42289 | 57711 | 33893 | 20 |
| 90 | 76273 | 42431 | 57569 | 33842 | 10 |
| **91 00** | 76364 | 42573 | 57427 | 33791 | **09 00** |
| 10 | 76455 | 42715 | 57285 | 33740 | 90 |
| 20 | 76546 | 42857 | 57143 | 33689 | 80 |
| 30 | 76637 | 43000 | 57000 | 33637 | 70 |
| 40 | 76728 | 43142 | 56858 | 33586 | 60 |
| 50 | 76819 | 43284 | 56716 | 33535 | 50 |
| 60 | 76910 | 43426 | 56574 | 33484 | 40 |
| 70 | 77002 | 43568 | 56432 | 33433 | 30 |
| 80 | 77093 | 43711 | 56289 | 33382 | 20 |
| 90 | 77184 | 43853 | 56147 | 33331 | 10 |
| **92 00** | 77275 | 43995 | 56005 | 33280 | **08 00** |
| 10 | 77366 | 44137 | 55863 | 33229 | 90 |
| 20 | 77457 | 44279 | 55721 | 33178 | 80 |
| 30 | 77548 | 44422 | 55578 | 33127 | 70 |
| 40 | 77639 | 44564 | 55436 | 33076 | 60 |
| 50 | 77730 | 44706 | 55294 | 33024 | 50 |
| 60 | 77821 | 44848 | 55152 | 32973 | 40 |
| 70 | 77913 | 44990 | 55010 | 32922 | 30 |
| 80 | 78004 | 45132 | 54868 | 32871 | 20 |
| 90 | 78095 | 45275 | 54725 | 32820 | 10 |
| **93 00** | 78186 | 45417 | 54583 | 32769 | **07 00** |
| 10 | 78277 | 45559 | 54441 | 32718 | 90 |
| 20 | 78368 | 45701 | 54299 | 32667 | 80 |
| 30 | 78459 | 45843 | 54157 | 32616 | 70 |
| 40 | 78550 | 45985 | 54015 | 32565 | 60 |
| 50 | 78641 | 46128 | 53872 | 32513 | 50 |
| 60 | 78732 | 46270 | 53730 | 32462 | 40 |
| 70 | 78823 | 46412 | 53588 | 32411 | 30 |
| 80 | 78914 | 46554 | 53446 | 32360 | 20 |
| 90 | 79005 | 46696 | 53304 | 32309 | 10 |
| **94 00** | 79096 | 46838 | 53162 | 32258 | **06 00** |
| 10 | 79187 | 46981 | 53019 | 32207 | 90 |
| 20 | 79278 | 47123 | 52877 | 32156 | 80 |
| 30 | 79369 | 47265 | 52735 | 32104 | 70 |
| 40 | 79460 | 47407 | 52593 | 32053 | 60 |
| 50 | 79551 | 47549 | 52451 | 32002 | 50 |
| 60 | 79642 | 47691 | 52309 | 31951 | 40 |
| 70 | 79733 | 47833 | 52167 | 31900 | 30 |
| 80 | 79824 | 47976 | 52024 | 31849 | 20 |
| 90 | 79915 | 48118 | 51882 | 31798 | 10 |
| **95 00** | 80006 | 48260 | 51740 | 31747 | **05 00** |
| | **9.77** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 59g |
| | 91 | 142 | 142 | 52 | |

| 40g | 91 | 143 | 143 | 51 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.87** | **0.12** | **9.90** | |
| **95 00** | 80006 | 48260 | 51740 | 31747 | **05 00** |
| 10 | 80097 | 48402 | 51598 | 31695 | 90 |
| 20 | 80188 | 48544 | 51456 | 31644 | 80 |
| 30 | 80279 | 48686 | 51314 | 31593 | 70 |
| 40 | 80370 | 48828 | 51172 | 31542 | 60 |
| 50 | 80461 | 48971 | 51029 | 31491 | 50 |
| 60 | 80552 | 49113 | 50887 | 31440 | 40 |
| 70 | 80643 | 49255 | 50745 | 31389 | 30 |
| 80 | 80734 | 49397 | 50603 | 31337 | 20 |
| 90 | 80825 | 49539 | 50461 | 31286 | 10 |
| **96 00** | 80916 | 49681 | 50319 | 31235 | **04 00** |
| 10 | 81007 | 49823 | 50177 | 31184 | 90 |
| 20 | 81098 | 49966 | 50034 | 31133 | 80 |
| 30 | 81189 | 50108 | 49892 | 31082 | 70 |
| 40 | 81280 | 50250 | 49750 | 31030 | 60 |
| 50 | 81371 | 50392 | 49608 | 30979 | 50 |
| 60 | 81462 | 50534 | 49466 | 30928 | 40 |
| 70 | 81553 | 50676 | 49324 | 30877 | 30 |
| 80 | 81644 | 50818 | 49182 | 30826 | 20 |
| 90 | 81735 | 50960 | 49040 | 30775 | 10 |
| **97 00** | 81826 | 51103 | 48897 | 30723 | **03 00** |
| 10 | 81917 | 51245 | 48755 | 30672 | 90 |
| 20 | 82008 | 51387 | 48613 | 30621 | 80 |
| 30 | 82099 | 51529 | 48471 | 30570 | 70 |
| 40 | 82190 | 51671 | 48329 | 30519 | 60 |
| 50 | 82281 | 51813 | 48187 | 30468 | 50 |
| 60 | 82372 | 51955 | 48045 | 30416 | 40 |
| 70 | 82463 | 52097 | 47903 | 30365 | 30 |
| 80 | 82554 | 52239 | 47761 | 30314 | 20 |
| 90 | 82644 | 52382 | 47618 | 30263 | 10 |
| **98 00** | 82735 | 52524 | 47476 | 30212 | **02 00** |
| 10 | 82826 | 52666 | 47334 | 30161 | 90 |
| 20 | 82917 | 52808 | 47192 | 30109 | 80 |
| 30 | 83008 | 52950 | 47050 | 30058 | 70 |
| 40 | 83099 | 53092 | 46908 | 30007 | 60 |
| 50 | 83190 | 53234 | 46766 | 29956 | 50 |
| 60 | 83281 | 53376 | 46624 | 29905 | 40 |
| 70 | 83372 | 53518 | 46482 | 29853 | 30 |
| 80 | 83463 | 53660 | 46340 | 29802 | 20 |
| 90 | 83554 | 53803 | 46197 | 29751 | 10 |
| **99 00** | 83644 | 53945 | 46055 | 29700 | **01 00** |
| 10 | 83735 | 54087 | 45913 | 29649 | 90 |
| 20 | 83826 | 54229 | 45771 | 29597 | 80 |
| 30 | 83917 | 54371 | 45629 | 29546 | 70 |
| 40 | 84008 | 54513 | 45487 | 29495 | 60 |
| 50 | 84099 | 54655 | 45345 | 29444 | 50 |
| 60 | 84190 | 54797 | 45203 | 29393 | 40 |
| 70 | 84281 | 54939 | 45061 | 29341 | 30 |
| 80 | 84371 | 55081 | 44919 | 29290 | 20 |
| 90 | 84462 | 55223 | 44777 | 29239 | 10 |
| **100 00** | 84553 | 55365 | 44635 | 29188 | **00 00** |
| | **9.77** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 59g |
| | 90 | 142 | 142 | 52 | |

| | 143 | 142 | 92 | 91 | 90 | 52 | 51 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,3 | 14,2 | 9,2 | 9,1 | 9,0 | 5,2 | 5,1 | 1 |
| 2 | 28,6 | 28,4 | 18,4 | 18,2 | 18,0 | 10,4 | 10,2 | 2 |
| 3 | 42,9 | 42,6 | 27,6 | 27,3 | 27,0 | 15,6 | 15,3 | 3 |
| 4 | 57,2 | 56,8 | 36,8 | 36,4 | 36,0 | 20,8 | 20,4 | 4 |
| 5 | 71,5 | 71,0 | 46,0 | 45,5 | 45,0 | 26,0 | 25,5 | 5 |
| 6 | 85,8 | 85,2 | 55,2 | 54,6 | 54,0 | 31,2 | 30,6 | 6 |
| 7 | 100,1 | 99,4 | 64,4 | 63,7 | 63,0 | 36,4 | 35,7 | 7 |
| 8 | 114,4 | 113,6 | 73,6 | 72,8 | 72,0 | 41,6 | 40,8 | 8 |
| 9 | 128,7 | 127,8 | 82,8 | 81,9 | 81,0 | 46,8 | 45,9 | 9 |

| 41g | 91 | 143 | 143 | 51 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.87** | **0.12** | **9.90** | |
| **00 oo** | 84553 | 55365 | 44635 | 29188 | **100 oo** |
| 10 | 84644 | 55508 | 44492 | 29136 | 90 |
| 20 | 84735 | 55650 | 44350 | 29085 | 80 |
| 30 | 84826 | 55792 | 44208 | 29034 | 70 |
| 40 | 84917 | 55934 | 44066 | 28983 | 60 |
| 50 | 85007 | 56076 | 43924 | 28932 | 50 |
| 60 | 85098 | 56218 | 43782 | 28880 | 40 |
| 70 | 85189 | 56360 | 43640 | 28829 | 30 |
| 80 | 85280 | 56502 | 43498 | 28778 | 20 |
| 90 | 85371 | 56644 | 43356 | 28727 | 10 |
| **01 oo** | 85462 | 56786 | 43214 | 28675 | **99 oo** |
| 10 | 85552 | 56928 | 43072 | 28624 | 90 |
| 20 | 85643 | 57070 | 42930 | 28573 | 80 |
| 30 | 85734 | 57212 | 42788 | 28522 | 70 |
| 40 | 85825 | 57354 | 42646 | 28470 | 60 |
| 50 | 85916 | 57497 | 42503 | 28419 | 50 |
| 60 | 86006 | 57639 | 42361 | 28368 | 40 |
| 70 | 86097 | 57781 | 42219 | 28317 | 30 |
| 80 | 86188 | 57923 | 42077 | 28265 | 20 |
| 90 | 86279 | 58065 | 41935 | 28214 | 10 |
| **02 oo** | 86370 | 58207 | 41793 | 28163 | **98 oo** |
| 10 | 86461 | 58349 | 41651 | 28112 | 90 |
| 20 | 86551 | 58491 | 41509 | 28060 | 80 |
| 30 | 86642 | 58633 | 41367 | 28009 | 70 |
| 40 | 86733 | 58775 | 41225 | 27958 | 60 |
| 50 | 86824 | 58917 | 41083 | 27907 | 50 |
| 60 | 86914 | 59059 | 40941 | 27855 | 40 |
| 70 | 87005 | 59201 | 40799 | 27804 | 30 |
| 80 | 87096 | 59343 | 40657 | 27753 | 20 |
| 90 | 87187 | 59485 | 40515 | 27702 | 10 |
| **03 oo** | 87278 | 59627 | 40373 | 27650 | **97 oo** |
| 10 | 87368 | 59769 | 40231 | 27599 | 90 |
| 20 | 87459 | 59911 | 40089 | 27548 | 80 |
| 30 | 87550 | 60053 | 39947 | 27496 | 70 |
| 40 | 87641 | 60195 | 39805 | 27445 | 60 |
| 50 | 87731 | 60337 | 39663 | 27394 | 50 |
| 60 | 87822 | 60479 | 39521 | 27343 | 40 |
| 70 | 87913 | 60622 | 39378 | 27291 | 30 |
| 80 | 88004 | 60764 | 39236 | 27240 | 20 |
| 90 | 88094 | 60906 | 39094 | 27189 | 10 |
| **04 oo** | 88185 | 61048 | 38952 | 27137 | **96 oo** |
| 10 | 88276 | 61190 | 38810 | 27086 | 90 |
| 20 | 88367 | 61332 | 38668 | 27035 | 80 |
| 30 | 88457 | 61474 | 38526 | 26984 | 70 |
| 40 | 88548 | 61616 | 38384 | 26932 | 60 |
| 50 | 88639 | 61758 | 38242 | 26881 | 50 |
| 60 | 88729 | 61900 | 38100 | 26830 | 40 |
| 70 | 88820 | 62042 | 37958 | 26778 | 30 |
| 80 | 88911 | 62184 | 37816 | 26727 | 20 |
| 90 | 89002 | 62326 | 37674 | 26676 | 10 |
| **05 oo** | 89092 | 62468 | 37532 | 26625 | **95 oo** |
| | **9.77** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 58g |
| | 90 | 142 | 142 | 52 | |

| 41g | 91 | 142 | 142 | 51 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.87** | **0.12** | **9.90** | |
| **05 oo** | 89092 | 62468 | 37532 | 26625 | **95 oo** |
| 10 | 89183 | 62610 | 37390 | 26573 | 90 |
| 20 | 89274 | 62752 | 37248 | 26522 | 80 |
| 30 | 89364 | 62894 | 37106 | 26471 | 70 |
| 40 | 89455 | 63036 | 36964 | 26419 | 60 |
| 50 | 89546 | 63178 | 36822 | 26368 | 50 |
| 60 | 89637 | 63320 | 36680 | 26317 | 40 |
| 70 | 89727 | 63462 | 36538 | 26265 | 30 |
| 80 | 89818 | 63604 | 36396 | 26214 | 20 |
| 90 | 89909 | 63746 | 36254 | 26163 | 10 |
| **06 oo** | 89999 | 63888 | 36112 | 26111 | **94 oo** |
| 10 | 90090 | 64030 | 35970 | 26060 | 90 |
| 20 | 90181 | 64172 | 35828 | 26009 | 80 |
| 30 | 90271 | 64314 | 35686 | 25957 | 70 |
| 40 | 90362 | 64456 | 35544 | 25906 | 60 |
| 50 | 90453 | 64598 | 35402 | 25855 | 50 |
| 60 | 90543 | 64740 | 35260 | 25803 | 40 |
| 70 | 90634 | 64882 | 35118 | 25752 | 30 |
| 80 | 90725 | 65024 | 34976 | 25701 | 20 |
| 90 | 90815 | 65166 | 34834 | 25649 | 10 |
| **07 oo** | 90906 | 65308 | 34692 | 25598 | **93 oo** |
| 10 | 90997 | 65450 | 34550 | 25547 | 90 |
| 20 | 91087 | 65592 | 34408 | 25495 | 80 |
| 30 | 91178 | 65734 | 34266 | 25444 | 70 |
| 40 | 91269 | 65876 | 34124 | 25393 | 60 |
| 50 | 91359 | 66018 | 33982 | 25341 | 50 |
| 60 | 91450 | 66160 | 33840 | 25290 | 40 |
| 70 | 91540 | 66302 | 33698 | 25239 | 30 |
| 80 | 91631 | 66444 | 33556 | 25187 | 20 |
| 90 | 91722 | 66586 | 33414 | 25136 | 10 |
| **08 oo** | 91812 | 66728 | 33272 | 25085 | **92 oo** |
| 10 | 91903 | 66870 | 33130 | 25033 | 90 |
| 20 | 91994 | 67012 | 32988 | 24982 | 80 |
| 30 | 92084 | 67154 | 32846 | 24931 | 70 |
| 40 | 92175 | 67296 | 32704 | 24879 | 60 |
| 50 | 92265 | 67438 | 32562 | 24828 | 50 |
| 60 | 92356 | 67580 | 32420 | 24777 | 40 |
| 70 | 92447 | 67721 | 32279 | 24725 | 30 |
| 80 | 92537 | 67863 | 32137 | 24674 | 20 |
| 90 | 92628 | 68005 | 31995 | 24622 | 10 |
| **09 oo** | 92718 | 68147 | 31853 | 24571 | **91 oo** |
| 10 | 92809 | 68289 | 31711 | 24520 | 90 |
| 20 | 92900 | 68431 | 31569 | 24468 | 80 |
| 30 | 92990 | 68573 | 31427 | 24417 | 70 |
| 40 | 93081 | 68715 | 31285 | 24366 | 60 |
| 50 | 93171 | 68857 | 31143 | 24314 | 50 |
| 60 | 93262 | 68999 | 31001 | 24263 | 40 |
| 70 | 93352 | 69141 | 30859 | 24211 | 30 |
| 80 | 93443 | 69283 | 30717 | 24160 | 20 |
| 90 | 93534 | 69425 | 30575 | 24109 | 10 |
| **10 oo** | 93624 | 69567 | 30433 | 24057 | **90 oo** |
| | **9.77** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 58g |
| | 90 | 141 | 141 | 52 | |

| | 143 | 142 | 141 | 91 | 90 | 52 | 51 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,3 | 14,2 | 14,1 | 9,1 | 9,0 | 5,2 | 5,1 | 1 |
| 2 | 28,6 | 28,4 | 28,2 | 18,2 | 18,0 | 10,4 | 10,2 | 2 |
| 3 | 42,9 | 42,6 | 42,3 | 27,3 | 27,0 | 15,6 | 15,3 | 3 |
| 4 | 57,2 | 56,8 | 56,4 | 36,4 | 36,0 | 20,8 | 20,4 | 4 |
| 5 | 71,5 | 71,0 | 70,5 | 45,5 | 45,0 | 26,0 | 25,5 | 5 |
| 6 | 85,8 | 85,2 | 84,6 | 54,6 | 54,0 | 31,2 | 30,6 | 6 |
| 7 | 100,1 | 99,4 | 98,7 | 63,7 | 63,0 | 36,4 | 35,7 | 7 |
| 8 | 114,4 | 113,6 | 112,8 | 72,8 | 72,0 | 41,6 | 40,8 | 8 |
| 9 | 128,7 | 127,8 | 126,9 | 81,9 | 81,0 | 46,8 | 45,9 | 9 |

| 41g | 91 | 142 | 142 | 51 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.77** | **9.87** | **0.12** | **9.90** | |
| **10 oo** | 93624 | 69567 | 30433 | 24057 | **90 oo** |
| 10 | 93715 | 69709 | 30291 | 24006 | 90 |
| 20 | 93805 | 69851 | 30149 | 23954 | 80 |
| 30 | 93896 | 69993 | 30007 | 23903 | 70 |
| 40 | 93986 | 70135 | 29865 | 23852 | 60 |
| 50 | 94077 | 70277 | 29723 | 23800 | 50 |
| 60 | 94168 | 70419 | 29581 | 23749 | 40 |
| 70 | 94258 | 70561 | 29439 | 23697 | 30 |
| 80 | 94349 | 70702 | 29298 | 23646 | 20 |
| 90 | 94439 | 70844 | 29156 | 23595 | 10 |
| **11 oo** | 94530 | 70986 | 29014 | 23543 | **89 oo** |
| 10 | 94620 | 71128 | 28872 | 23492 | 90 |
| 20 | 94711 | 71270 | 28730 | 23440 | 80 |
| 30 | 94801 | 71412 | 28588 | 23389 | 70 |
| 40 | 94892 | 71554 | 28446 | 23338 | 60 |
| 50 | 94982 | 71696 | 28304 | 23286 | 50 |
| 60 | 95073 | 71838 | 28162 | 23235 | 40 |
| 70 | 95163 | 71980 | 28020 | 23183 | 30 |
| 80 | 95254 | 72122 | 27878 | 23132 | 20 |
| 90 | 95344 | 72264 | 27736 | 23081 | 10 |
| **12 oo** | 95435 | 72406 | 27594 | 23029 | **88 oo** |
| 10 | 95525 | 72548 | 27452 | 22978 | 90 |
| 20 | 95616 | 72690 | 27310 | 22926 | 80 |
| 30 | 95706 | 72831 | 27169 | 22875 | 70 |
| 40 | 95797 | 72973 | 27027 | 22823 | 60 |
| 50 | 95887 | 73115 | 26885 | 22772 | 50 |
| 60 | 95978 | 73257 | 26743 | 22721 | 40 |
| 70 | 96068 | 73399 | 26601 | 22669 | 30 |
| 80 | 96159 | 73541 | 26459 | 22618 | 20 |
| 90 | 96249 | 73683 | 26317 | 22566 | 10 |
| **13 oo** | 96340 | 73825 | 26175 | 22515 | **87 oo** |
| 10 | 96430 | 73967 | 26033 | 22463 | 90 |
| 20 | 96521 | 74109 | 25891 | 22412 | 80 |
| 30 | 96611 | 74251 | 25749 | 22361 | 70 |
| 40 | 96702 | 74393 | 25607 | 22309 | 60 |
| 50 | 96792 | 74534 | 25466 | 22258 | 50 |
| 60 | 96883 | 74676 | 25324 | 22206 | 40 |
| 70 | 96973 | 74818 | 25182 | 22155 | 30 |
| 80 | 97063 | 74960 | 25040 | 22103 | 20 |
| 90 | 97154 | 75102 | 24898 | 22052 | 10 |
| **14 oo** | 97244 | 75244 | 24756 | 22000 | **86 oo** |
| 10 | 97335 | 75386 | 24614 | 21949 | 90 |
| 20 | 97425 | 75528 | 24472 | 21897 | 80 |
| 30 | 97516 | 75670 | 24330 | 21846 | 70 |
| 40 | 97606 | 75812 | 24188 | 21795 | 60 |
| 50 | 97696 | 75953 | 24047 | 21743 | 50 |
| 60 | 97787 | 76095 | 23905 | 21692 | 40 |
| 70 | 97877 | 76237 | 23763 | 21640 | 30 |
| 80 | 97968 | 76379 | 23621 | 21589 | 20 |
| 90 | 98058 | 76521 | 23479 | 21537 | 10 |
| **15 oo** | 98149 | 76663 | 23337 | 21486 | **85 oo** |
| | **9.77** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 58g |
| | 90 | 141 | 141 | 52 | |

| 41g | 91 | 142 | 142 | 51 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.77** | **9.87** | **0.12** | **9.90** | |
| **15 oo** | ∗98149 | 76663 | 23337 | 21486 | **85 oo** |
| 10 | ∗98239 | 76805 | 23195 | 21434 | 90 |
| 20 | ∗98329 | 76947 | 23053 | 21383 | 80 |
| 30 | ∗98420 | 77089 | 22911 | 21331 | 70 |
| 40 | ∗98510 | 77230 | 22770 | 21280 | 60 |
| 50 | ∗98601 | 77372 | 22628 | 21228 | 50 |
| 60 | ∗98691 | 77514 | 22486 | 21177 | 40 |
| 70 | ∗98781 | 77656 | 22344 | 21125 | 30 |
| 80 | ∗98872 | 77798 | 22202 | 21074 | 20 |
| 90 | ∗98962 | 77940 | 22060 | 21022 | 10 |
| **16 oo** | ∗99053 | 78082 | 21918 | 20971 | **84 oo** |
| 10 | ∗99143 | 78224 | 21776 | 20919 | 90 |
| 20 | ∗99233 | 78365 | 21635 | 20868 | 80 |
| 30 | ∗99324 | 78507 | 21493 | 20816 | 70 |
| 40 | ∗99414 | 78649 | 21351 | 20765 | 60 |
| 50 | ∗99504 | 78791 | 21209 | 20713 | 50 |
| 60 | ∗99595 | 78933 | 21067 | 20662 | 40 |
| 70 | ∗99685 | 79075 | 20925 | 20610 | 30 |
| 80 | ∗99776 | 79217 | 20783 | 20559 | 20 |
| 90 | ∗99866 | 79358 | 20642 | 20507 | 10 |
| **17 oo** | ∗99956 | 79500 | 20500 | 20456 | **83 oo** |
| 10 | 00047 | 79642 | 20358 | 20404 | 90 |
| 20 | 00137 | 79784 | 20216 | 20353 | 80 |
| 30 | 00227 | 79926 | 20074 | 20301 | 70 |
| 40 | 00318 | 80068 | 19932 | 20250 | 60 |
| 50 | 00408 | 80210 | 19790 | 20198 | 50 |
| 60 | 00498 | 80351 | 19649 | 20147 | 40 |
| 70 | 00589 | 80493 | 19507 | 20095 | 30 |
| 80 | 00679 | 80635 | 19365 | 20044 | 20 |
| 90 | 00769 | 80777 | 19223 | 19992 | 10 |
| **18 oo** | 00860 | 80919 | 19081 | 19941 | **82 oo** |
| 10 | 00950 | 81061 | 18939 | 19889 | 90 |
| 20 | 01040 | 81203 | 18797 | 19838 | 80 |
| 30 | 01131 | 81344 | 18656 | 19786 | 70 |
| 40 | 01221 | 81486 | 18514 | 19735 | 60 |
| 50 | 01311 | 81628 | 18372 | 19683 | 50 |
| 60 | 01402 | 81770 | 18230 | 19632 | 40 |
| 70 | 01492 | 81912 | 18088 | 19580 | 30 |
| 80 | 01582 | 82054 | 17946 | 19529 | 20 |
| 90 | 01673 | 82195 | 17805 | 19477 | 10 |
| **19 oo** | 01763 | 82337 | 17663 | 19426 | **81 oo** |
| 10 | 01853 | 82479 | 17521 | 19374 | 90 |
| 20 | 01943 | 82621 | 17379 | 19322 | 80 |
| 30 | 02034 | 82763 | 17237 | 19271 | 70 |
| 40 | 02124 | 82905 | 17095 | 19219 | 60 |
| 50 | 02214 | 83046 | 16954 | 19168 | 50 |
| 60 | 02305 | 83188 | 16812 | 19116 | 40 |
| 70 | 02395 | 83330 | 16670 | 19065 | 30 |
| 80 | 02485 | 83472 | 16528 | 19013 | 20 |
| 90 | 02575 | 83614 | 16386 | 18962 | 10 |
| **20 oo** | 02666 | 83756 | 16244 | 18910 | **80 oo** |
| | **9.78** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 58g |
| | 90 | 141 | 141 | 52 | |

| | 142 | 141 | 91 | 90 | 52 | 51 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,2 | 14,1 | 9,1 | 9,0 | 5,2 | 5,1 | 1 |
| 2 | 28,4 | 28,2 | 18,2 | 18,0 | 10,4 | 10,2 | 2 |
| 3 | 42,6 | 42,3 | 27,3 | 27,0 | 15,6 | 15,3 | 3 |
| 4 | 56,8 | 56,4 | 36,4 | 36,0 | 20,8 | 20,4 | 4 |
| 5 | 71,0 | 70,5 | 45,5 | 45,0 | 26,0 | 25,5 | 5 |
| 6 | 85,2 | 84,6 | 54,6 | 54,0 | 31,2 | 30,6 | 6 |
| 7 | 99,4 | 98,7 | 63,7 | 63,0 | 36,4 | 35,7 | 7 |
| 8 | 113,6 | 112,8 | 72,8 | 72,0 | 41,6 | 40,8 | 8 |
| 9 | 127,8 | 126,9 | 81,9 | 81,0 | 46,8 | 45,9 | 9 |

| $41^g$ | 91 | 142 | 142 | 51 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.87** | **0.12** | **9.90** | |
| **20 00** | 02666 | 83756 | 16244 | 18910 | **80 00** |
| 10 | 02756 | 83897 | 16103 | 18858 | 90 |
| 20 | 02846 | 84039 | 15961 | 18807 | 80 |
| 30 | 02936 | 84181 | 15819 | 18755 | 70 |
| 40 | 03027 | 84323 | 15677 | 18704 | 60 |
| 50 | 03117 | 84465 | 15535 | 18652 | 50 |
| 60 | 03207 | 84606 | 15394 | 18601 | 40 |
| 70 | 03297 | 84748 | 15252 | 18549 | 30 |
| 80 | 03388 | 84890 | 15110 | 18498 | 20 |
| 90 | 03478 | 85032 | 14968 | 18446 | 10 |
| **21 00** | 03568 | 85174 | 14826 | 18394 | **79 00** |
| 10 | 03658 | 85316 | 14684 | 18343 | 90 |
| 20 | 03749 | 85457 | 14543 | 18291 | 80 |
| 30 | 03839 | 85599 | 14401 | 18240 | 70 |
| 40 | 03929 | 85741 | 14259 | 18188 | 60 |
| 50 | 04019 | 85883 | 14117 | 18137 | 50 |
| 60 | 04110 | 86025 | 13975 | 18085 | 40 |
| 70 | 04200 | 86166 | 13834 | 18033 | 30 |
| 80 | 04290 | 86308 | 13692 | 17982 | 20 |
| 90 | 04380 | 86450 | 13550 | 17930 | 10 |
| **22 00** | 04470 | 86592 | 13408 | 17879 | **78 00** |
| 10 | 04561 | 86734 | 13266 | 17827 | 90 |
| 20 | 04651 | 86875 | 13125 | 17775 | 80 |
| 30 | 04741 | 87017 | 12983 | 17724 | 70 |
| 40 | 04831 | 87159 | 12841 | 17672 | 60 |
| 50 | 04921 | 87301 | 12699 | 17621 | 50 |
| 60 | 05012 | 87443 | 12557 | 17569 | 40 |
| 70 | 05102 | 87584 | 12416 | 17517 | 30 |
| 80 | 05192 | 87726 | 12274 | 17466 | 20 |
| 90 | 05282 | 87868 | 12132 | 17414 | 10 |
| **23 00** | 05372 | 88010 | 11990 | 17363 | **77 00** |
| 10 | 05462 | 88151 | 11849 | 17311 | 90 |
| 20 | 05553 | 88293 | 11707 | 17259 | 80 |
| 30 | 05643 | 88435 | 11565 | 17208 | 70 |
| 40 | 05733 | 88577 | 11423 | 17156 | 60 |
| 50 | 05823 | 88719 | 11281 | 17105 | 50 |
| 60 | 05913 | 88860 | 11140 | 17053 | 40 |
| 70 | 06003 | 89002 | 10998 | 17001 | 30 |
| 80 | 06094 | 89144 | 10856 | 16950 | 20 |
| 90 | 06184 | 89286 | 10714 | 16898 | 10 |
| **24 00** | 06274 | 89427 | 10573 | 16846 | **76 00** |
| 10 | 06364 | 89569 | 10431 | 16795 | 90 |
| 20 | 06454 | 89711 | 10289 | 16743 | 80 |
| 30 | 06544 | 89853 | 10147 | 16692 | 70 |
| 40 | 06635 | 89995 | 10005 | 16640 | 60 |
| 50 | 06725 | 90136 | 09864 | 16588 | 50 |
| 60 | 06815 | 90278 | 09722 | 16537 | 40 |
| 70 | 06905 | 90420 | 09580 | 16485 | 30 |
| 80 | 06995 | 90562 | 09438 | 16433 | 20 |
| 90 | 07085 | 90703 | 09297 | 16382 | 10 |
| **25 00** | 07175 | 90845 | 09155 | 16330 | **75 00** |
| | **9.78** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $58^g$ |
| | 90 | 141 | 141 | 52 | |

| $41^g$ | 91 | 142 | 142 | 51 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.87** | **0.12** | **9.90** | |
| **25 00** | 07175 | 90845 | 09155 | 16330 | **75 00** |
| 10 | 07265 | 90987 | 09013 | 16279 | 90 |
| 20 | 07356 | 91129 | 08871 | 16227 | 80 |
| 30 | 07446 | 91270 | 08730 | 16175 | 70 |
| 40 | 07536 | 91412 | 08588 | 16124 | 60 |
| 50 | 07626 | 91554 | 08446 | 16072 | 50 |
| 60 | 07716 | 91696 | 08304 | 16020 | 40 |
| 70 | 07806 | 91837 | 08163 | 15969 | 30 |
| 80 | 07896 | 91979 | 08021 | 15917 | 20 |
| 90 | 07986 | 92121 | 07879 | 15865 | 10 |
| **26 00** | 08076 | 92263 | 07737 | 15814 | **74 00** |
| 10 | 08166 | 92404 | 07596 | 15762 | 90 |
| 20 | 08257 | 92546 | 07454 | 15710 | 80 |
| 30 | 08347 | 92688 | 07312 | 15659 | 70 |
| 40 | 08437 | 92830 | 07170 | 15607 | 60 |
| 50 | 08527 | 92971 | 07029 | 15555 | 50 |
| 60 | 08617 | 93113 | 06887 | 15504 | 40 |
| 70 | 08707 | 93255 | 06745 | 15452 | 30 |
| 80 | 08797 | 93397 | 06603 | 15400 | 20 |
| 90 | 08887 | 93538 | 06462 | 15349 | 10 |
| **27 00** | 08977 | 93680 | 06320 | 15297 | **73 00** |
| 10 | 09067 | 93822 | 06178 | 15245 | 90 |
| 20 | 09157 | 93964 | 06036 | 15194 | 80 |
| 30 | 09247 | 94105 | 05895 | 15142 | 70 |
| 40 | 09337 | 94247 | 05753 | 15090 | 60 |
| 50 | 09427 | 94389 | 05611 | 15039 | 50 |
| 60 | 09517 | 94530 | 05470 | 14987 | 40 |
| 70 | 09607 | 94672 | 05328 | 14935 | 30 |
| 80 | 09697 | 94814 | 05186 | 14884 | 20 |
| 90 | 09788 | 94956 | 05044 | 14832 | 10 |
| **28 00** | 09878 | 95097 | 04903 | 14780 | **72 00** |
| 10 | 09968 | 95239 | 04761 | 14728 | 90 |
| 20 | 10058 | 95381 | 04619 | 14677 | 80 |
| 30 | 10148 | 95523 | 04477 | 14625 | 70 |
| 40 | 10238 | 95664 | 04336 | 14573 | 60 |
| 50 | 10328 | 95806 | 04194 | 14522 | 50 |
| 60 | 10418 | 95948 | 04052 | 14470 | 40 |
| 70 | 10508 | 96089 | 03911 | 14418 | 30 |
| 80 | 10598 | 96231 | 03769 | 14367 | 20 |
| 90 | 10688 | 96373 | 03627 | 14315 | 10 |
| **29 00** | 10778 | 96515 | 03485 | 14263 | **71 00** |
| 10 | 10868 | 96656 | 03344 | 14211 | 90 |
| 20 | 10958 | 96798 | 03202 | 14160 | 80 |
| 30 | 11048 | 96940 | 03060 | 14108 | 70 |
| 40 | 11138 | 97081 | 02919 | 14056 | 60 |
| 50 | 11228 | 97223 | 02777 | 14005 | 50 |
| 60 | 11318 | 97365 | 02635 | 13953 | 40 |
| 70 | 11408 | 97506 | 02494 | 13901 | 30 |
| 80 | 11498 | 97648 | 02352 | 13849 | 20 |
| 90 | 11588 | 97790 | 02210 | 13798 | 10 |
| **30 00** | 11678 | 97932 | 02068 | 13746 | **70 00** |
| | **9.78** | **9.87** | **0.12** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $58^g$ |
| | 90 | 141 | 141 | 52 | |

| | 142 | 141 | 91 | 90 | 52 | 51 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,2 | 14,1 | 9,1 | 9,0 | 5,2 | 5,1 | 1 |
| 2 | 28,4 | 28,2 | 18,2 | 18,0 | 10,4 | 10,2 | 2 |
| 3 | 42,6 | 42,3 | 27,3 | 27,0 | 15,6 | 15,3 | 3 |
| 4 | 56,8 | 56,4 | 36,4 | 36,0 | 20,8 | 20,4 | 4 |
| 5 | 71,0 | 70,5 | 45,5 | 45,0 | 26,0 | 25,5 | 5 |
| 6 | 85,2 | 84,6 | 54,6 | 54,0 | 31,2 | 30,6 | 6 |
| 7 | 99,4 | 98,7 | 63,7 | 63,0 | 36,4 | 35,7 | 7 |
| 8 | 113,6 | 112,8 | 72,8 | 72,0 | 41,6 | 40,8 | 8 |
| 9 | 127,8 | 126,9 | 81,9 | 81,0 | 46,8 | 45,9 | 9 |

| 41g | 90 | 142 | 142 | 51 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | ∗**9.87** | ∗**0.12** | **9.90** | |
| **30 oo** | 11678 | ∗97932 | ∗02068 | 13746 | **70 oo** |
| 10 | 11768 | ∗98073 | ∗01927 | 13694 | 90 |
| 20 | 11858 | ∗98215 | ∗01785 | 13643 | 80 |
| 30 | 11948 | ∗98357 | ∗01643 | 13591 | 70 |
| 40 | 12037 | ∗98498 | ∗01502 | 13539 | 60 |
| 50 | 12127 | ∗98640 | ∗01360 | 13487 | 50 |
| 60 | 12217 | ∗98782 | ∗01218 | 13436 | 40 |
| 70 | 12307 | ∗98923 | ∗01077 | 13384 | 30 |
| 80 | 12397 | ∗99065 | ∗00935 | 13332 | 20 |
| 90 | 12487 | ∗99207 | ∗00793 | 13280 | 10 |
| **31 oo** | 12577 | ∗99349 | ∗00651 | 13229 | **69 oo** |
| 10 | 12667 | ∗99490 | ∗00510 | 13177 | 90 |
| 20 | 12757 | ∗99632 | ∗00368 | 13125 | 80 |
| 30 | 12847 | ∗99774 | ∗00226 | 13073 | 70 |
| 40 | 12937 | ∗99915 | ∗00085 | 13022 | 60 |
| 50 | 13027 | 00057 | 99943 | 12970 | 50 |
| 60 | 13117 | 00199 | 99801 | 12918 | 40 |
| 70 | 13207 | 00340 | 99660 | 12866 | 30 |
| 80 | 13297 | 00482 | 99518 | 12815 | 20 |
| 90 | 13387 | 00624 | 99376 | 12763 | 10 |
| **32 oo** | 13476 | 00765 | 99235 | 12711 | **68 oo** |
| 10 | 13566 | 00907 | 99093 | 12659 | 90 |
| 20 | 13656 | 01049 | 98951 | 12608 | 80 |
| 30 | 13746 | 01190 | 98810 | 12556 | 70 |
| 40 | 13836 | 01332 | 98668 | 12504 | 60 |
| 50 | 13926 | 01474 | 98526 | 12452 | 50 |
| 60 | 14016 | 01615 | 98385 | 12401 | 40 |
| 70 | 14106 | 01757 | 98243 | 12349 | 30 |
| 80 | 14196 | 01899 | 98101 | 12297 | 20 |
| 90 | 14286 | 02040 | 97960 | 12245 | 10 |
| **33 oo** | 14375 | 02182 | 97818 | 12194 | **67 oo** |
| 10 | 14465 | 02324 | 97676 | 12142 | 90 |
| 20 | 14555 | 02465 | 97535 | 12090 | 80 |
| 30 | 14645 | 02607 | 97393 | 12038 | 70 |
| 40 | 14735 | 02749 | 97251 | 11986 | 60 |
| 50 | 14825 | 02890 | 97110 | 11935 | 50 |
| 60 | 14915 | 03032 | 96968 | 11883 | 40 |
| 70 | 15005 | 03174 | 96826 | 11831 | 30 |
| 80 | 15094 | 03315 | 96685 | 11779 | 20 |
| 90 | 15184 | 03457 | 96543 | 11727 | 10 |
| **34 oo** | 15274 | 03598 | 96402 | 11676 | **66 oo** |
| 10 | 15364 | 03740 | 96260 | 11624 | 90 |
| 20 | 15454 | 03882 | 96118 | 11572 | 80 |
| 30 | 15544 | 04023 | 95977 | 11520 | 70 |
| 40 | 15634 | 04165 | 95835 | 11469 | 60 |
| 50 | 15723 | 04307 | 95693 | 11417 | 50 |
| 60 | 15813 | 04448 | 95552 | 11365 | 40 |
| 70 | 15903 | 04590 | 95410 | 11313 | 30 |
| 80 | 15993 | 04732 | 95268 | 11261 | 20 |
| 90 | 16083 | 04873 | 95127 | 11209 | 10 |
| **35 oo** | 16173 | 05015 | 94985 | 11158 | **65 oo** |
| | **9.78** | **9.88** | **0.11** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 58g |
| | 89 | 141 | 141 | 52 | |

| 41g | 90 | 142 | 142 | 51 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | **9.90** | |
| **35 oo** | 16173 | 05015 | 94985 | 11158 | **65 oo** |
| 10 | 16262 | 05157 | 94843 | 11106 | 90 |
| 20 | 16352 | 05298 | 94702 | 11054 | 80 |
| 30 | 16442 | 05440 | 94560 | 11002 | 70 |
| 40 | 16532 | 05581 | 94419 | 10950 | 60 |
| 50 | 16622 | 05723 | 94277 | 10899 | 50 |
| 60 | 16711 | 05865 | 94135 | 10847 | 40 |
| 70 | 16801 | 06006 | 93994 | 10795 | 30 |
| 80 | 16891 | 06148 | 93852 | 10743 | 20 |
| 90 | 16981 | 06290 | 93710 | 10691 | 10 |
| **36 oo** | 17071 | 06431 | 93569 | 10640 | **64 oo** |
| 10 | 17160 | 06573 | 93427 | 10588 | 90 |
| 20 | 17250 | 06714 | 93286 | 10536 | 80 |
| 30 | 17340 | 06856 | 93144 | 10484 | 70 |
| 40 | 17430 | 06998 | 93002 | 10432 | 60 |
| 50 | 17520 | 07139 | 92861 | 10380 | 50 |
| 60 | 17609 | 07281 | 92719 | 10329 | 40 |
| 70 | 17699 | 07423 | 92577 | 10277 | 30 |
| 80 | 17789 | 07564 | 92436 | 10225 | 20 |
| 90 | 17879 | 07706 | 92294 | 10173 | 10 |
| **37 oo** | 17969 | 07847 | 92153 | 10121 | **63 oo** |
| 10 | 18058 | 07989 | 92011 | 10069 | 90 |
| 20 | 18148 | 08131 | 91869 | 10017 | 80 |
| 30 | 18238 | 08272 | 91728 | 09966 | 70 |
| 40 | 18328 | 08414 | 91586 | 09914 | 60 |
| 50 | 18417 | 08555 | 91445 | 09862 | 50 |
| 60 | 18507 | 08697 | 91303 | 09810 | 40 |
| 70 | 18597 | 08839 | 91161 | 09758 | 30 |
| 80 | 18687 | 08980 | 91020 | 09706 | 20 |
| 90 | 18776 | 09122 | 90878 | 09655 | 10 |
| **38 oo** | 18866 | 09263 | 90737 | 09603 | **62 oo** |
| 10 | 18956 | 09405 | 90595 | 09551 | 90 |
| 20 | 19046 | 09547 | 90453 | 09499 | 80 |
| 30 | 19135 | 09688 | 90312 | 09447 | 70 |
| 40 | 19225 | 09830 | 90170 | 09395 | 60 |
| 50 | 19315 | 09971 | 90029 | 09343 | 50 |
| 60 | 19404 | 10113 | 89887 | 09291 | 40 |
| 70 | 19494 | 10255 | 89745 | 09240 | 30 |
| 80 | 19584 | 10396 | 89604 | 09188 | 20 |
| 90 | 19674 | 10538 | 89462 | 09136 | 10 |
| **39 oo** | 19763 | 10679 | 89321 | 09084 | **61 oo** |
| 10 | 19853 | 10821 | 89179 | 09032 | 90 |
| 20 | 19943 | 10962 | 89038 | 08980 | 80 |
| 30 | 20032 | 11104 | 88896 | 08928 | 70 |
| 40 | 20122 | 11246 | 88754 | 08876 | 60 |
| 50 | 20212 | 11387 | 88613 | 08825 | 50 |
| 60 | 20301 | 11529 | 88471 | 08773 | 40 |
| 70 | 20391 | 11670 | 88330 | 08721 | 30 |
| 80 | 20481 | 11812 | 88188 | 08669 | 20 |
| 90 | 20571 | 11954 | 88046 | 08617 | 10 |
| **40 oo** | 20660 | 12095 | 87905 | 08565 | **60 oo** |
| | **9.78** | **9.88** | **0.11** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 58g |
| | 89 | 141 | 141 | 52 | |

| | 142 | 141 | 90 | 89 | 52 | 51 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,2 | 14,1 | 9,0 | 8,9 | 5,2 | 5,1 | 1 |
| 2 | 28,4 | 28,2 | 18,0 | 17,8 | 10,4 | 10,2 | 2 |
| 3 | 42,6 | 42,3 | 27,0 | 26,7 | 15,6 | 15,3 | 3 |
| 4 | 56,8 | 56,4 | 36,0 | 35,6 | 20,8 | 20,4 | 4 |
| 5 | 71,0 | 70,5 | 45,0 | 44,5 | 26,0 | 25,5 | 5 |
| 6 | 85,2 | 84,6 | 54,0 | 53,4 | 31,2 | 30,6 | 6 |
| 7 | 99,4 | 98,7 | 63,0 | 62,3 | 36,4 | 35,7 | 7 |
| 8 | 113,6 | 112,8 | 72,0 | 71,2 | 41,6 | 40,8 | 8 |
| 9 | 127,8 | 126,9 | 81,0 | 80,1 | 46,8 | 45,9 | 9 |

| 41g | 90 | 142 | 142 | 51 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | **9.90** | |
| **40 oo** | 20660 | 12095 | 87905 | 08565 | **60 oo** |
| 10 | 20750 | 12237 | 87763 | 08513 | 90 |
| 20 | 20840 | 12378 | 87622 | 08461 | 80 |
| 30 | 20929 | 12520 | 87480 | 08409 | 70 |
| 40 | 21019 | 12661 | 87339 | 08358 | 60 |
| 50 | 21109 | 12803 | 87197 | 08306 | 50 |
| 60 | 21198 | 12945 | 87055 | 08254 | 40 |
| 70 | 21288 | 13086 | 86914 | 08202 | 30 |
| 80 | 21378 | 13228 | 86772 | 08150 | 20 |
| 90 | 21467 | 13369 | 86631 | 08098 | 10 |
| **41 oo** | 21557 | 13511 | 86489 | 08046 | **59 oo** |
| 10 | 21647 | 13652 | 86348 | 07994 | 90 |
| 20 | 21736 | 13794 | 86206 | 07942 | 80 |
| 30 | 21826 | 13935 | 86065 | 07890 | 70 |
| 40 | 21915 | 14077 | 85923 | 07838 | 60 |
| 50 | 22005 | 14219 | 85781 | 07787 | 50 |
| 60 | 22095 | 14360 | 85640 | 07735 | 40 |
| 70 | 22184 | 14502 | 85498 | 07683 | 30 |
| 80 | 22274 | 14643 | 85357 | 07631 | 20 |
| 90 | 22364 | 14785 | 85215 | 07579 | 10 |
| **42 oo** | 22453 | 14926 | 85074 | 07527 | **58 oo** |
| 10 | 22543 | 15068 | 84932 | 07475 | 90 |
| 20 | 22632 | 15209 | 84791 | 07423 | 80 |
| 30 | 22722 | 15351 | 84649 | 07371 | 70 |
| 40 | 22812 | 15493 | 84507 | 07319 | 60 |
| 50 | 22901 | 15634 | 84366 | 07267 | 50 |
| 60 | 22991 | 15776 | 84224 | 07215 | 40 |
| 70 | 23081 | 15917 | 84083 | 07163 | 30 |
| 80 | 23170 | 16059 | 83941 | 07111 | 20 |
| 90 | 23260 | 16200 | 83800 | 07059 | 10 |
| **43 oo** | 23349 | 16342 | 83658 | 07008 | **57 oo** |
| 10 | 23439 | 16483 | 83517 | 06956 | 90 |
| 20 | 23528 | 16625 | 83375 | 06904 | 80 |
| 30 | 23618 | 16766 | 83234 | 06852 | 70 |
| 40 | 23708 | 16908 | 83092 | 06800 | 60 |
| 50 | 23797 | 17049 | 82951 | 06748 | 50 |
| 60 | 23887 | 17191 | 82809 | 06696 | 40 |
| 70 | 23976 | 17332 | 82668 | 06644 | 30 |
| 80 | 24066 | 17474 | 82526 | 06592 | 20 |
| 90 | 24156 | 17616 | 82384 | 06540 | 10 |
| **44 oo** | 24245 | 17757 | 82243 | 06488 | **56 oo** |
| 10 | 24335 | 17899 | 82101 | 06436 | 90 |
| 20 | 24424 | 18040 | 81960 | 06384 | 80 |
| 30 | 24514 | 18182 | 81818 | 06332 | 70 |
| 40 | 24603 | 18323 | 81677 | 06280 | 60 |
| 50 | 24693 | 18465 | 81535 | 06228 | 50 |
| 60 | 24782 | 18606 | 81394 | 06176 | 40 |
| 70 | 24872 | 18748 | 81252 | 06124 | 30 |
| 80 | 24961 | 18889 | 81111 | 06072 | 20 |
| 90 | 25051 | 19031 | 80969 | 06020 | 10 |
| **45 oo** | 25141 | 19172 | 80828 | 05968 | **55 oo** |
| | **9.78** | **9.88** | **0.11** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 58g |
| | 89 | 141 | 141 | 52 | |

| 41g | 90 | 142 | 142 | 52 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | **9.90** | |
| **45 oo** | 25141 | 19172 | 80828 | 05968 | **55 oo** |
| 10 | 25230 | 19314 | 80686 | 05916 | 90 |
| 20 | 25320 | 19455 | 80545 | 05864 | 80 |
| 30 | 25409 | 19597 | 80403 | 05812 | 70 |
| 40 | 25499 | 19738 | 80262 | 05760 | 60 |
| 50 | 25588 | 19880 | 80120 | 05708 | 50 |
| 60 | 25678 | 20021 | 79979 | 05656 | 40 |
| 70 | 25767 | 20163 | 79837 | 05604 | 30 |
| 80 | 25857 | 20304 | 79696 | 05552 | 20 |
| 90 | 25946 | 20446 | 79554 | 05500 | 10 |
| **46 oo** | 26036 | 20587 | 79413 | 05448 | **54 oo** |
| 10 | 26125 | 20729 | 79271 | 05396 | 90 |
| 20 | 26215 | 20870 | 79130 | 05344 | 80 |
| 30 | 26304 | 21012 | 78988 | 05292 | 70 |
| 40 | 26394 | 21153 | 78847 | 05240 | 60 |
| 50 | 26483 | 21295 | 78705 | 05188 | 50 |
| 60 | 26573 | 21436 | 78564 | 05136 | 40 |
| 70 | 26662 | 21578 | 78422 | 05084 | 30 |
| 80 | 26752 | 21719 | 78281 | 05032 | 20 |
| 90 | 26841 | 21861 | 78139 | 04980 | 10 |
| **47 oo** | 26931 | 22002 | 77998 | 04928 | **53 oo** |
| 10 | 27020 | 22144 | 77856 | 04876 | 90 |
| 20 | 27110 | 22285 | 77715 | 04824 | 80 |
| 30 | 27199 | 22427 | 77573 | 04772 | 70 |
| 40 | 27289 | 22568 | 77432 | 04720 | 60 |
| 50 | 27378 | 22710 | 77290 | 04668 | 50 |
| 60 | 27467 | 22851 | 77149 | 04616 | 40 |
| 70 | 27557 | 22993 | 77007 | 04564 | 30 |
| 80 | 27646 | 23134 | 76866 | 04512 | 20 |
| 90 | 27736 | 23276 | 76724 | 04460 | 10 |
| **48 oo** | 27825 | 23417 | 76583 | 04408 | **52 oo** |
| 10 | 27915 | 23559 | 76441 | 04356 | 90 |
| 20 | 28004 | 23700 | 76300 | 04304 | 80 |
| 30 | 28094 | 23841 | 76159 | 04252 | 70 |
| 40 | 28183 | 23983 | 76017 | 04200 | 60 |
| 50 | 28272 | 24124 | 75876 | 04148 | 50 |
| 60 | 28362 | 24266 | 75734 | 04096 | 40 |
| 70 | 28451 | 24407 | 75593 | 04044 | 30 |
| 80 | 28541 | 24549 | 75451 | 03992 | 20 |
| 90 | 28630 | 24690 | 75310 | 03940 | 10 |
| **49 oo** | 28720 | 24832 | 75168 | 03888 | **51 oo** |
| 10 | 28809 | 24973 | 75027 | 03836 | 90 |
| 20 | 28898 | 25115 | 74885 | 03784 | 80 |
| 30 | 28988 | 25256 | 74744 | 03732 | 70 |
| 40 | 29077 | 25398 | 74602 | 03680 | 60 |
| 50 | 29167 | 25539 | 74461 | 03628 | 50 |
| 60 | 29256 | 25681 | 74319 | 03576 | 40 |
| 70 | 29345 | 25822 | 74178 | 03523 | 30 |
| 80 | 29435 | 25963 | 74037 | 03471 | 20 |
| 90 | 29524 | 26105 | 73895 | 03419 | 10 |
| **50 oo** | 29614 | 26246 | 73754 | 03367 | **50 oo** |
| | **9.78** | **9.88** | **0.11** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | 58g |
| | 89 | 141 | 141 | 53 | |

| | 142 | 141 | 90 | 89 | 53 | 52 | 51 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,2 | 14,1 | 9,0 | 8,9 | 5,3 | 5,2 | 5,1 | 1 |
| 2 | 28,4 | 28,2 | 18,0 | 17,8 | 10,6 | 10,4 | 10,2 | 2 |
| 3 | 42,6 | 42,3 | 27,0 | 26,7 | 15,9 | 15,6 | 15,3 | 3 |
| 4 | 56,8 | 56,4 | 36,0 | 35,6 | 21,2 | 20,8 | 20,4 | 4 |
| 5 | 71,0 | 70,5 | 45,0 | 44,5 | 26,5 | 26,0 | 25,5 | 5 |
| 6 | 85,2 | 84,6 | 54,0 | 53,4 | 31,8 | 31,2 | 30,6 | 6 |
| 7 | 99,4 | 98,7 | 63,0 | 62,3 | 37,1 | 36,4 | 35,7 | 7 |
| 8 | 113,6 | 112,8 | 72,0 | 71,2 | 42,4 | 41,6 | 40,8 | 8 |
| 9 | 127,8 | 126,9 | 81,0 | 80,1 | 47,7 | 46,8 | 45,9 | 9 |

| $41^g$ | 90 | 142 | 142 | 52 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | **9.90** | |
| **50 oo** | 29614 | 26246 | 73754 | 03367 | **50 oo** |
| 10 | 29703 | 26388 | 73612 | 03315 | 90 |
| 20 | 29792 | 26529 | 73471 | 03263 | 80 |
| 30 | 29882 | 26671 | 73329 | 03211 | 70 |
| 40 | 29971 | 26812 | 73188 | 03159 | 60 |
| 50 | 30061 | 26954 | 73046 | 03107 | 50 |
| 60 | 30150 | 27095 | 72905 | 03055 | 40 |
| 70 | 30239 | 27236 | 72764 | 03003 | 30 |
| 80 | 30329 | 27378 | 72622 | 02951 | 20 |
| 90 | 30418 | 27519 | 72481 | 02899 | 10 |
| **51 oo** | 30507 | 27661 | 72339 | 02847 | **49 oo** |
| 10 | 30597 | 27802 | 72198 | 02794 | 90 |
| 20 | 30686 | 27944 | 72056 | 02742 | 80 |
| 30 | 30775 | 28085 | 71915 | 02690 | 70 |
| 40 | 30865 | 28227 | 71773 | 02638 | 60 |
| 50 | 30954 | 28368 | 71632 | 02586 | 50 |
| 60 | 31043 | 28509 | 71491 | 02534 | 40 |
| 70 | 31133 | 28651 | 71349 | 02482 | 30 |
| 80 | 31222 | 28792 | 71208 | 02430 | 20 |
| 90 | 31311 | 28934 | 71066 | 02378 | 10 |
| **52 oo** | 31401 | 29075 | 70925 | 02326 | **48 oo** |
| 10 | 31490 | 29217 | 70783 | 02274 | 90 |
| 20 | 31579 | 29358 | 70642 | 02221 | 80 |
| 30 | 31669 | 29499 | 70501 | 02169 | 70 |
| 40 | 31758 | 29641 | 70359 | 02117 | 60 |
| 50 | 31847 | 29782 | 70218 | 02065 | 50 |
| 60 | 31937 | 29924 | 70076 | 02013 | 40 |
| 70 | 32026 | 30065 | 69935 | 01961 | 30 |
| 80 | 32115 | 30206 | 69794 | 01909 | 20 |
| 90 | 32205 | 30348 | 69652 | 01857 | 10 |
| **53 oo** | 32294 | 30489 | 69511 | 01805 | **47 oo** |
| 10 | 32383 | 30631 | 69369 | 01753 | 90 |
| 20 | 32473 | 30772 | 69228 | 01700 | 80 |
| 30 | 32562 | 30914 | 69086 | 01648 | 70 |
| 40 | 32651 | 31055 | 68945 | 01596 | 60 |
| 50 | 32740 | 31196 | 68804 | 01544 | 50 |
| 60 | 32830 | 31338 | 68662 | 01492 | 40 |
| 70 | 32919 | 31479 | 68521 | 01440 | 30 |
| 80 | 33008 | 31621 | 68379 | 01388 | 20 |
| 90 | 33098 | 31762 | 68238 | 01336 | 10 |
| **54 oo** | 33187 | 31903 | 68097 | 01283 | **46 oo** |
| 10 | 33276 | 32045 | 67955 | 01231 | 90 |
| 20 | 33365 | 32186 | 67814 | 01179 | 80 |
| 30 | 33455 | 32328 | 67672 | 01127 | 70 |
| 40 | 33544 | 32469 | 67531 | 01075 | 60 |
| 50 | 33633 | 32610 | 67390 | 01023 | 50 |
| 60 | 33722 | 32752 | 67248 | 00971 | 40 |
| 70 | 33812 | 32893 | 67107 | 00918 | 30 |
| 80 | 33901 | 33035 | 66965 | 00866 | 20 |
| 90 | 33990 | 33176 | 66824 | 00814 | 10 |
| **55 oo** | 34079 | 33317 | 66683 | 00762 | **45 oo** |
| | **9.78** | **9.88** | **0.11** | **9.90** | c cc |
| | log cos | log ctg | log tg | log sin | $58^g$ |
| | 89 | 141 | 141 | 53 | |

| $41^g$ | 90 | 142 | 142 | 52 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | ***9.90** | |
| **55 oo** | 34079 | 33317 | 66683 | *00762 | **45 oo** |
| 10 | 34169 | 33459 | 66541 | *00710 | 90 |
| 20 | 34258 | 33600 | 66400 | *00658 | 80 |
| 30 | 34347 | 33742 | 66258 | *00606 | 70 |
| 40 | 34436 | 33883 | 66117 | *00553 | 60 |
| 50 | 34526 | 34024 | 65976 | *00501 | 50 |
| 60 | 34615 | 34166 | 65834 | *00449 | 40 |
| 70 | 34704 | 34307 | 65693 | *00397 | 30 |
| 80 | 34793 | 34448 | 65552 | *00345 | 20 |
| 90 | 34882 | 34590 | 65410 | *00293 | 10 |
| **56 oo** | 34972 | 34731 | 65269 | *00240 | **44 oo** |
| 10 | 35061 | 34873 | 65127 | *00188 | 90 |
| 20 | 35150 | 35014 | 64986 | *00136 | 80 |
| 30 | 35239 | 35155 | 64845 | *00084 | 70 |
| 40 | 35328 | 35297 | 64703 | *00032 | 60 |
| 50 | 35418 | 35438 | 64562 | 99980 | 50 |
| 60 | 35507 | 35579 | 64421 | 99927 | 40 |
| 70 | 35596 | 35721 | 64279 | 99875 | 30 |
| 80 | 35685 | 35862 | 64138 | 99823 | 20 |
| 90 | 35774 | 36004 | 63996 | 99771 | 10 |
| **57 oo** | 35864 | 36145 | 63855 | 99719 | **43 oo** |
| 10 | 35953 | 36286 | 63714 | 99667 | 90 |
| 20 | 36042 | 36428 | 63572 | 99614 | 80 |
| 30 | 36131 | 36569 | 63431 | 99562 | 70 |
| 40 | 36220 | 36710 | 63290 | 99510 | 60 |
| 50 | 36310 | 36852 | 63148 | 99458 | 50 |
| 60 | 36399 | 36993 | 63007 | 99406 | 40 |
| 70 | 36488 | 37134 | 62866 | 99353 | 30 |
| 80 | 36577 | 37276 | 62724 | 99301 | 20 |
| 90 | 36666 | 37417 | 62583 | 99249 | 10 |
| **58 oo** | 36755 | 37559 | 62441 | 99197 | **42 oo** |
| 10 | 36845 | 37700 | 62300 | 99145 | 90 |
| 20 | 36934 | 37841 | 62159 | 99092 | 80 |
| 30 | 37023 | 37983 | 62017 | 99040 | 70 |
| 40 | 37112 | 38124 | 61876 | 98988 | 60 |
| 50 | 37201 | 38265 | 61735 | 98936 | 50 |
| 60 | 37290 | 38407 | 61593 | 98884 | 40 |
| 70 | 37379 | 38548 | 61452 | 98831 | 30 |
| 80 | 37469 | 38689 | 61311 | 98779 | 20 |
| 90 | 37558 | 38831 | 61169 | 98727 | 10 |
| **59 oo** | 37647 | 38972 | 61028 | 98675 | **41 oo** |
| 10 | 37736 | 39113 | 60887 | 98623 | 90 |
| 20 | 37825 | 39255 | 60745 | 98570 | 80 |
| 30 | 37914 | 39396 | 60604 | 98518 | 70 |
| 40 | 38003 | 39537 | 60463 | 98466 | 60 |
| 50 | 38092 | 39679 | 60321 | 98414 | 50 |
| 60 | 38181 | 39820 | 60180 | 98361 | 40 |
| 70 | 38271 | 39961 | 60039 | 98309 | 30 |
| 80 | 38360 | 40103 | 59897 | 98257 | 20 |
| 90 | 38449 | 40244 | 59756 | 98205 | 10 |
| **60 oo** | 38538 | 40385 | 59615 | 98153 | **40 oo** |
| | **9.78** | **9.88** | **0.11** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | $58^g$ |
| | 89 | 141 | 141 | 53 | |

| | 142 | 141 | 90 | 89 | 53 | 52 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,2 | 14,1 | 9,0 | 8,9 | 5,3 | 5,2 | 1 |
| 2 | 28,4 | 28,2 | 18,0 | 17,8 | 10,6 | 10,4 | 2 |
| 3 | 42,6 | 42,3 | 27,0 | 26,7 | 15,9 | 15,6 | 3 |
| 4 | 56,8 | 56,4 | 36,0 | 35,6 | 21,2 | 20,8 | 4 |
| 5 | 71,0 | 70,5 | 45,0 | 44,5 | 26,5 | 26,0 | 5 |
| 6 | 85,2 | 84,6 | 54,0 | 53,4 | 31,8 | 31,2 | 6 |
| 7 | 99,4 | 98,7 | 63,0 | 62,3 | 37,1 | 36,4 | 7 |
| 8 | 113,6 | 112,8 | 72,0 | 71,2 | 42,4 | 41,6 | 8 |
| 9 | 127,8 | 126,9 | 81,0 | 80,1 | 47,7 | 46,8 | 9 |

| 41g | 90 | 142 | 142 | 52 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | **9.89** | |
| **60 oo** | 38538 | 40385 | 59615 | 98153 | **40 oo** |
| 10 | 38627 | 40527 | 59473 | 98100 | 90 |
| 20 | 38716 | 40668 | 59332 | 98048 | 80 |
| 30 | 38805 | 40809 | 59191 | 97996 | 70 |
| 40 | 38894 | 40951 | 59049 | 97944 | 60 |
| 50 | 38983 | 41092 | 58908 | 97891 | 50 |
| 60 | 39072 | 41233 | 58767 | 97839 | 40 |
| 70 | 39161 | 41375 | 58625 | 97787 | 30 |
| 80 | 39251 | 41516 | 58484 | 97735 | 20 |
| 90 | 39340 | 41657 | 58343 | 97682 | 10 |
| **61 oo** | 39429 | 41799 | 58201 | 97630 | **39 oo** |
| 10 | 39518 | 41940 | 58060 | 97578 | 90 |
| 20 | 39607 | 42081 | 57919 | 97526 | 80 |
| 30 | 39696 | 42223 | 57777 | 97473 | 70 |
| 40 | 39785 | 42364 | 57636 | 97421 | 60 |
| 50 | 39874 | 42505 | 57495 | 97369 | 50 |
| 60 | 39963 | 42647 | 57353 | 97317 | 40 |
| 70 | 40052 | 42788 | 57212 | 97264 | 30 |
| 80 | 40141 | 42929 | 57071 | 97212 | 20 |
| 90 | 40230 | 43070 | 56930 | 97160 | 10 |
| **62 oo** | 40319 | 43212 | 56788 | 97108 | **38 oo** |
| 10 | 40408 | 43353 | 56647 | 97055 | 90 |
| 20 | 40497 | 43494 | 56506 | 97003 | 80 |
| 30 | 40586 | 43636 | 56364 | 96951 | 70 |
| 40 | 40675 | 43777 | 56223 | 96898 | 60 |
| 50 | 40764 | 43918 | 56082 | 96846 | 50 |
| 60 | 40853 | 44060 | 55940 | 96794 | 40 |
| 70 | 40942 | 44201 | 55799 | 96742 | 30 |
| 80 | 41031 | 44342 | 55658 | 96689 | 20 |
| 90 | 41120 | 44483 | 55517 | 96637 | 10 |
| **63 oo** | 41210 | 44625 | 55375 | 96585 | **37 oo** |
| 10 | 41299 | 44766 | 55234 | 96532 | 90 |
| 20 | 41388 | 44907 | 55093 | 96480 | 80 |
| 30 | 41477 | 45049 | 54951 | 96428 | 70 |
| 40 | 41566 | 45190 | 54810 | 96376 | 60 |
| 50 | 41655 | 45331 | 54669 | 96323 | 50 |
| 60 | 41744 | 45472 | 54528 | 96271 | 40 |
| 70 | 41833 | 45614 | 54386 | 96219 | 30 |
| 80 | 41921 | 45755 | 54245 | 96166 | 20 |
| 90 | 42010 | 45896 | 54104 | 96114 | 10 |
| **64 oo** | 42099 | 46038 | 53962 | 96062 | **36 oo** |
| 10 | 42188 | 46179 | 53821 | 96010 | 90 |
| 20 | 42277 | 46320 | 53680 | 95957 | 80 |
| 30 | 42366 | 46461 | 53539 | 95905 | 70 |
| 40 | 42455 | 46603 | 53397 | 95853 | 60 |
| 50 | 42544 | 46744 | 53256 | 95800 | 50 |
| 60 | 42633 | 46885 | 53115 | 95748 | 40 |
| 70 | 42722 | 47027 | 52973 | 95696 | 30 |
| 80 | 42811 | 47168 | 52832 | 95643 | 20 |
| 90 | 42900 | 47309 | 52691 | 95591 | 10 |
| **65 oo** | 42989 | 47450 | 52550 | 95539 | **35 oo** |
| | **9.78** | **9.88** | **0.11** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | 58g |
| | 88 | 141 | 141 | 53 | |

| 41g | 89 | 142 | 142 | 52 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | **9.89** | |
| **65 oo** | 42989 | 47450 | 52550 | 95539 | **35 oo** |
| 10 | 43078 | 47592 | 52408 | 95486 | 90 |
| 20 | 43167 | 47733 | 52267 | 95434 | 80 |
| 30 | 43256 | 47874 | 52126 | 95382 | 70 |
| 40 | 43345 | 48015 | 51985 | 95329 | 60 |
| 50 | 43434 | 48157 | 51843 | 95277 | 50 |
| 60 | 43523 | 48298 | 51702 | 95225 | 40 |
| 70 | 43612 | 48439 | 51561 | 95172 | 30 |
| 80 | 43701 | 48581 | 51419 | 95120 | 20 |
| 90 | 43790 | 48722 | 51278 | 95068 | 10 |
| **66 oo** | 43879 | 48863 | 51137 | 95015 | **34 oo** |
| 10 | 43967 | 49004 | 50996 | 94963 | 90 |
| 20 | 44056 | 49146 | 50854 | 94911 | 80 |
| 30 | 44145 | 49287 | 50713 | 94858 | 70 |
| 40 | 44234 | 49428 | 50572 | 94806 | 60 |
| 50 | 44323 | 49569 | 50431 | 94754 | 50 |
| 60 | 44412 | 49711 | 50289 | 94701 | 40 |
| 70 | 44501 | 49852 | 50148 | 94649 | 30 |
| 80 | 44590 | 49993 | 50007 | 94597 | 20 |
| 90 | 44679 | 50134 | 49866 | 94544 | 10 |
| **67 oo** | 44768 | 50276 | 49724 | 94492 | **33 oo** |
| 10 | 44857 | 50417 | 49583 | 94440 | 90 |
| 20 | 44945 | 50558 | 49442 | 94387 | 80 |
| 30 | 45034 | 50699 | 49301 | 94335 | 70 |
| 40 | 45123 | 50841 | 49159 | 94283 | 60 |
| 50 | 45212 | 50982 | 49018 | 94230 | 50 |
| 60 | 45301 | 51123 | 48877 | 94178 | 40 |
| 70 | 45390 | 51264 | 48736 | 94126 | 30 |
| 80 | 45479 | 51405 | 48595 | 94073 | 20 |
| 90 | 45568 | 51547 | 48453 | 94021 | 10 |
| **68 oo** | 45656 | 51688 | 48312 | 93968 | **32 oo** |
| 10 | 45745 | 51829 | 48171 | 93916 | 90 |
| 20 | 45834 | 51970 | 48030 | 93864 | 80 |
| 30 | 45923 | 52112 | 47888 | 93811 | 70 |
| 40 | 46012 | 52253 | 47747 | 93759 | 60 |
| 50 | 46101 | 52394 | 47606 | 93707 | 50 |
| 60 | 46190 | 52535 | 47465 | 93654 | 40 |
| 70 | 46278 | 52677 | 47323 | 93602 | 30 |
| 80 | 46367 | 52818 | 47182 | 93549 | 20 |
| 90 | 46456 | 52959 | 47041 | 93497 | 10 |
| **69 oo** | 46545 | 53100 | 46900 | 93445 | **31 oo** |
| 10 | 46634 | 53241 | 46759 | 93392 | 90 |
| 20 | 46723 | 53383 | 46617 | 93340 | 80 |
| 30 | 46811 | 53524 | 46476 | 93288 | 70 |
| 40 | 46900 | 53665 | 46335 | 93235 | 60 |
| 50 | 46989 | 53806 | 46194 | 93183 | 50 |
| 60 | 47078 | 53948 | 46052 | 93130 | 40 |
| 70 | 47167 | 54089 | 45911 | 93078 | 30 |
| 80 | 47256 | 54230 | 45770 | 93026 | 20 |
| 90 | 47344 | 54371 | 45629 | 92973 | 10 |
| **70 oo** | 47433 | 54512 | 45488 | 92921 | **30 oo** |
| | **9.78** | **9.88** | **0.11** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | 58g |
| | 88 | 141 | 141 | 53 | |

| | 142 | 141 | 90 | 89 | 88 | 53 | 52 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,2 | 14,1 | 9,0 | 8,9 | 8,8 | 5,3 | 5,2 | 1 |
| 2 | 28,4 | 28,2 | 18,0 | 17,8 | 17,6 | 10,6 | 10,4 | 2 |
| 3 | 42,6 | 42,3 | 27,0 | 26,7 | 26,4 | 15,9 | 15,6 | 3 |
| 4 | 56,8 | 56,4 | 36,0 | 35,6 | 35,2 | 21,2 | 20,8 | 4 |
| 5 | 71,0 | 70,5 | 45,0 | 44,5 | 44,0 | 26,5 | 26,0 | 5 |
| 6 | 85,2 | 84,6 | 54,0 | 53,4 | 52,8 | 31,8 | 31,2 | 6 |
| 7 | 99,4 | 98,7 | 63,0 | 62,3 | 61,6 | 37,1 | 36,4 | 7 |
| 8 | 113,6 | 112,8 | 72,0 | 71,2 | 70,4 | 42,4 | 41,6 | 8 |
| 9 | 127,8 | 126,9 | 81,0 | 80,1 | 79,2 | 47,7 | 46,8 | 9 |

| $41^g$ | 89 | 142 | 142 | 52 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | **9.89** | |
| **70 oo** | 47433 | 54512 | 45488 | 92921 | **30 oo** |
| 10 | 47522 | 54654 | 45346 | 92868 | 90 |
| 20 | 47611 | 54795 | 45205 | 92816 | 80 |
| 30 | 47700 | 54936 | 45064 | 92764 | 70 |
| 40 | 47788 | 55077 | 44923 | 92711 | 60 |
| 50 | 47877 | 55218 | 44782 | 92659 | 50 |
| 60 | 47966 | 55360 | 44640 | 92606 | 40 |
| 70 | 48055 | 55501 | 44499 | 92554 | 30 |
| 80 | 48144 | 55642 | 44358 | 92501 | 20 |
| 90 | 48232 | 55783 | 44217 | 92449 | 10 |
| **71 oo** | 48321 | 55924 | 44076 | 92397 | **29 oo** |
| 10 | 48410 | 56066 | 43934 | 92344 | 90 |
| 20 | 48499 | 56207 | 43793 | 92292 | 80 |
| 30 | 48587 | 56348 | 43652 | 92239 | 70 |
| 40 | 48676 | 56489 | 43511 | 92187 | 60 |
| 50 | 48765 | 56630 | 43370 | 92134 | 50 |
| 60 | 48854 | 56772 | 43228 | 92082 | 40 |
| 70 | 48942 | 56913 | 43087 | 92030 | 30 |
| 80 | 49031 | 57054 | 42946 | 91977 | 20 |
| 90 | 49120 | 57195 | 42805 | 91925 | 10 |
| **72 oo** | 49209 | 57336 | 42664 | 91872 | **28 oo** |
| 10 | 49297 | 57478 | 42522 | 91820 | 90 |
| 20 | 49386 | 57619 | 42381 | 91767 | 80 |
| 30 | 49475 | 57760 | 42240 | 91715 | 70 |
| 40 | 49564 | 57901 | 42099 | 91663 | 60 |
| 50 | 49652 | 58042 | 41958 | 91610 | 50 |
| 60 | 49741 | 58184 | 41816 | 91558 | 40 |
| 70 | 49830 | 58325 | 41675 | 91505 | 30 |
| 80 | 49919 | 58466 | 41534 | 91453 | 20 |
| 90 | 50007 | 58607 | 41393 | 91400 | 10 |
| **73 oo** | 50096 | 58748 | 41252 | 91348 | **27 oo** |
| 10 | 50185 | 58889 | 41111 | 91295 | 90 |
| 20 | 50274 | 59031 | 40969 | 91243 | 80 |
| 30 | 50362 | 59172 | 40828 | 91191 | 70 |
| 40 | 50451 | 59313 | 40687 | 91138 | 60 |
| 50 | 50540 | 59454 | 40546 | 91086 | 50 |
| 60 | 50628 | 59595 | 40405 | 91033 | 40 |
| 70 | 50717 | 59736 | 40264 | 90981 | 30 |
| 80 | 50806 | 59878 | 40122 | 90928 | 20 |
| 90 | 50894 | 60019 | 39981 | 90876 | 10 |
| **74 oo** | 50983 | 60160 | 39840 | 90823 | **26 oo** |
| 10 | 51072 | 60301 | 39699 | 90771 | 90 |
| 20 | 51161 | 60442 | 39558 | 90718 | 80 |
| 30 | 51249 | 60583 | 39417 | 90666 | 70 |
| 40 | 51338 | 60725 | 39275 | 90613 | 60 |
| 50 | 51427 | 60866 | 39134 | 90561 | 50 |
| 60 | 51515 | 61007 | 38993 | 90508 | 40 |
| 70 | 51604 | 61148 | 38852 | 90456 | 30 |
| 80 | 51693 | 61289 | 38711 | 90403 | 20 |
| 90 | 51781 | 61430 | 38570 | 90351 | 10 |
| **75 oo** | 51870 | 61572 | 38428 | 90298 | **25 oo** |
| | **9.78** | **9.88** | **0.11** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | $58^g$ |
| | 88 | 141 | 141 | 53 | |

| $41^g$ | 89 | 142 | 142 | 52 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | **9.89** | |
| **75 oo** | 51870 | 61572 | 38428 | 90298 | **25 oo** |
| 10 | 51959 | 61713 | 38287 | 90246 | 90 |
| 20 | 52047 | 61854 | 38146 | 90193 | 80 |
| 30 | 52136 | 61995 | 38005 | 90141 | 70 |
| 40 | 52225 | 62136 | 37864 | 90088 | 60 |
| 50 | 52313 | 62277 | 37723 | 90036 | 50 |
| 60 | 52402 | 62418 | 37582 | 89983 | 40 |
| 70 | 52491 | 62560 | 37440 | 89931 | 30 |
| 80 | 52579 | 62701 | 37299 | 89878 | 20 |
| 90 | 52668 | 62842 | 37158 | 89826 | 10 |
| **76 oo** | 52756 | 62983 | 37017 | 89773 | **24 oo** |
| 10 | 52845 | 63124 | 36876 | 89721 | 90 |
| 20 | 52934 | 63265 | 36735 | 89668 | 80 |
| 30 | 53022 | 63406 | 36594 | 89616 | 70 |
| 40 | 53111 | 63548 | 36452 | 89563 | 60 |
| 50 | 53200 | 63689 | 36311 | 89511 | 50 |
| 60 | 53288 | 63830 | 36170 | 89458 | 40 |
| 70 | 53377 | 63971 | 36029 | 89406 | 30 |
| 80 | 53465 | 64112 | 35888 | 89353 | 20 |
| 90 | 53554 | 64253 | 35747 | 89301 | 10 |
| **77 oo** | 53643 | 64394 | 35606 | 89248 | **23 oo** |
| 10 | 53731 | 64535 | 35465 | 89196 | 90 |
| 20 | 53820 | 64677 | 35323 | 89143 | 80 |
| 30 | 53908 | 64818 | 35182 | 89091 | 70 |
| 40 | 53997 | 64959 | 35041 | 89038 | 60 |
| 50 | 54086 | 65100 | 34900 | 88986 | 50 |
| 60 | 54174 | 65241 | 34759 | 88933 | 40 |
| 70 | 54263 | 65382 | 34618 | 88881 | 30 |
| 80 | 54351 | 65523 | 34477 | 88828 | 20 |
| 90 | 54440 | 65664 | 34336 | 88776 | 10 |
| **78 oo** | 54529 | 65806 | 34194 | 88723 | **22 oo** |
| 10 | 54617 | 65947 | 34053 | 88670 | 90 |
| 20 | 54706 | 66088 | 33912 | 88618 | 80 |
| 30 | 54794 | 66229 | 33771 | 88565 | 70 |
| 40 | 54883 | 66370 | 33630 | 88513 | 60 |
| 50 | 54971 | 66511 | 33489 | 88460 | 50 |
| 60 | 55060 | 66652 | 33348 | 88408 | 40 |
| 70 | 55149 | 66793 | 33207 | 88355 | 30 |
| 80 | 55237 | 66934 | 33066 | 88303 | 20 |
| 90 | 55326 | 67076 | 32924 | 88250 | 10 |
| **79 oo** | 55414 | 67217 | 32783 | 88198 | **21 oo** |
| 10 | 55503 | 67358 | 32642 | 88145 | 90 |
| 20 | 55591 | 67499 | 32501 | 88092 | 80 |
| 30 | 55680 | 67640 | 32360 | 88040 | 70 |
| 40 | 55768 | 67781 | 32219 | 87987 | 60 |
| 50 | 55857 | 67922 | 32078 | 87935 | 50 |
| 60 | 55945 | 68063 | 31937 | 87882 | 40 |
| 70 | 56034 | 68204 | 31796 | 87830 | 30 |
| 80 | 56123 | 68345 | 31655 | 87777 | 20 |
| 90 | 56211 | 68487 | 31513 | 87724 | 10 |
| **80 oo** | 56300 | 68628 | 31372 | 87672 | **20 oo** |
| | **9.78** | **9.88** | **0.11** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | $58^g$ |
| | 88 | 141 | 141 | 53 | |

| | 142 | 141 | 89 | 88 | 53 | 52 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,2 | 14,1 | 8,9 | 8,8 | 5,3 | 5,2 | 1 |
| 2 | 28,4 | 28,2 | 17,8 | 17,6 | 10,6 | 10,4 | 2 |
| 3 | 42,6 | 42,3 | 26,7 | 26,4 | 15,9 | 15,6 | 3 |
| 4 | 56,8 | 56,4 | 35,6 | 35,2 | 21,2 | 20,8 | 4 |
| 5 | 71,0 | 70,5 | 44,5 | 44,0 | 26,5 | 26,0 | 5 |
| 6 | 85,2 | 84,6 | 53,4 | 52,8 | 31,8 | 31,2 | 6 |
| 7 | 99,4 | 98,7 | 62,3 | 61,6 | 37,1 | 36,4 | 7 |
| 8 | 113,6 | 112,8 | 71,2 | 70,4 | 42,4 | 41,6 | 8 |
| 9 | 127,8 | 126,9 | 80,1 | 79,2 | 47,7 | 46,8 | 9 |

| $41^g$ | 89 | 142 | 142 | 52 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | **9.89** | |
| **80 oo** | 56300 | 68628 | 31372 | 87672 | **20 oo** |
| 10 | 56388 | 68769 | 31231 | 87619 | 90 |
| 20 | 56477 | 68910 | 31090 | 87567 | 80 |
| 30 | 56565 | 69051 | 30949 | 87514 | 70 |
| 40 | 56654 | 69192 | 30808 | 87462 | 60 |
| 50 | 56742 | 69333 | 30667 | 87409 | 50 |
| 60 | 56831 | 69474 | 30526 | 87356 | 40 |
| 70 | 56919 | 69615 | 30385 | 87304 | 30 |
| 80 | 57008 | 69756 | 30244 | 87251 | 20 |
| 90 | 57096 | 69897 | 30103 | 87199 | 10 |
| **81 oo** | 57185 | 70039 | 29961 | 87146 | **19 oo** |
| 10 | 57273 | 70180 | 29820 | 87093 | 90 |
| 20 | 57362 | 70321 | 29679 | 87041 | 80 |
| 30 | 57450 | 70462 | 29538 | 86988 | 70 |
| 40 | 57539 | 70603 | 29397 | 86936 | 60 |
| 50 | 57627 | 70744 | 29256 | 86883 | 50 |
| 60 | 57716 | 70885 | 29115 | 86831 | 40 |
| 70 | 57804 | 71026 | 28974 | 86778 | 30 |
| 80 | 57892 | 71167 | 28833 | 86725 | 20 |
| 90 | 57981 | 71308 | 28692 | 86673 | 10 |
| **82 oo** | 58069 | 71449 | 28551 | 86620 | **18 oo** |
| 10 | 58158 | 71590 | 28410 | 86567 | 90 |
| 20 | 58246 | 71731 | 28269 | 86515 | 80 |
| 30 | 58335 | 71872 | 28128 | 86462 | 70 |
| 40 | 58423 | 72014 | 27986 | 86410 | 60 |
| 50 | 58512 | 72155 | 27845 | 86357 | 50 |
| 60 | 58600 | 72296 | 27704 | 86304 | 40 |
| 70 | 58689 | 72437 | 27563 | 86252 | 30 |
| 80 | 58777 | 72578 | 27422 | 86199 | 20 |
| 90 | 58865 | 72719 | 27281 | 86147 | 10 |
| **83 oo** | 58954 | 72860 | 27140 | 86094 | **17 oo** |
| 10 | 59042 | 73001 | 26999 | 86041 | 90 |
| 20 | 59131 | 73142 | 26858 | 85989 | 80 |
| 30 | 59219 | 73283 | 26717 | 85936 | 70 |
| 40 | 59308 | 73424 | 26576 | 85883 | 60 |
| 50 | 59396 | 73565 | 26435 | 85831 | 50 |
| 60 | 59484 | 73706 | 26294 | 85778 | 40 |
| 70 | 59573 | 73847 | 26153 | 85726 | 30 |
| 80 | 59661 | 73988 | 26012 | 85673 | 20 |
| 90 | 59750 | 74129 | 25871 | 85620 | 10 |
| **84 oo** | 59838 | 74270 | 25730 | 85568 | **16 oo** |
| 10 | 59926 | 74411 | 25589 | 85515 | 90 |
| 20 | 60015 | 74553 | 25447 | 85462 | 80 |
| 30 | 60103 | 74694 | 25306 | 85410 | 70 |
| 40 | 60192 | 74835 | 25165 | 85357 | 60 |
| 50 | 60280 | 74976 | 25024 | 85304 | 50 |
| 60 | 60368 | 75117 | 24883 | 85252 | 40 |
| 70 | 60457 | 75258 | 24742 | 85199 | 30 |
| 80 | 60545 | 75399 | 24601 | 85146 | 20 |
| 90 | 60634 | 75540 | 24460 | 85094 | 10 |
| **85 oo** | 60722 | 75681 | 24319 | 85041 | **15 oo** |
| | **9.78** | **9.88** | **0.11** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | $58^g$ |
| | 88 | 141 | 141 | 53 | |

| $41^g$ | 89 | 141 | 141 | 52 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | **9.89** | |
| **85 oo** | 60722 | 75681 | 24319 | 85041 | **15 oo** |
| 10 | 60810 | 75822 | 24178 | 84988 | 90 |
| 20 | 60899 | 75963 | 24037 | 84936 | 80 |
| 30 | 60987 | 76104 | 23896 | 84883 | 70 |
| 40 | 61075 | 76245 | 23755 | 84830 | 60 |
| 50 | 61164 | 76386 | 23614 | 84778 | 50 |
| 60 | 61252 | 76527 | 23473 | 84725 | 40 |
| 70 | 61341 | 76668 | 23332 | 84672 | 30 |
| 80 | 61429 | 76809 | 23191 | 84620 | 20 |
| 90 | 61517 | 76950 | 23050 | 84567 | 10 |
| **86 oo** | 61606 | 77091 | 22909 | 84514 | **14 oo** |
| 10 | 61694 | 77232 | 22768 | 84462 | 90 |
| 20 | 61782 | 77373 | 22627 | 84409 | 80 |
| 30 | 61871 | 77514 | 22486 | 84356 | 70 |
| 40 | 61959 | 77655 | 22345 | 84304 | 60 |
| 50 | 62047 | 77796 | 22204 | 84251 | 50 |
| 60 | 62136 | 77937 | 22063 | 84198 | 40 |
| 70 | 62224 | 78078 | 21922 | 84146 | 30 |
| 80 | 62312 | 78219 | 21781 | 84093 | 20 |
| 90 | 62401 | 78360 | 21640 | 84040 | 10 |
| **87 oo** | 62489 | 78501 | 21499 | 83988 | **13 oo** |
| 10 | 62577 | 78642 | 21358 | 83935 | 90 |
| 20 | 62666 | 78783 | 21217 | 83882 | 80 |
| 30 | 62754 | 78924 | 21076 | 83829 | 70 |
| 40 | 62842 | 79065 | 20935 | 83777 | 60 |
| 50 | 62930 | 79206 | 20794 | 83724 | 50 |
| 60 | 63019 | 79347 | 20653 | 83671 | 40 |
| 70 | 63107 | 79488 | 20512 | 83619 | 30 |
| 80 | 63195 | 79629 | 20371 | 83566 | 20 |
| 90 | 63284 | 79770 | 20230 | 83513 | 10 |
| **88 oo** | 63372 | 79911 | 20089 | 83461 | **12 oo** |
| 10 | 63460 | 80052 | 19948 | 83408 | 90 |
| 20 | 63549 | 80193 | 19807 | 83355 | 80 |
| 30 | 63637 | 80334 | 19666 | 83302 | 70 |
| 40 | 63725 | 80475 | 19525 | 83250 | 60 |
| 50 | 63813 | 80616 | 19384 | 83197 | 50 |
| 60 | 63902 | 80757 | 19243 | 83144 | 40 |
| 70 | 63990 | 80898 | 19102 | 83092 | 30 |
| 80 | 64078 | 81039 | 18961 | 83039 | 20 |
| 90 | 64166 | 81180 | 18820 | 82986 | 10 |
| **89 oo** | 64255 | 81321 | 18679 | 82933 | **11 oo** |
| 10 | 64343 | 81462 | 18538 | 82881 | 90 |
| 20 | 64431 | 81603 | 18397 | 82828 | 80 |
| 30 | 64519 | 81744 | 18256 | 82775 | 70 |
| 40 | 64608 | 81885 | 18115 | 82722 | 60 |
| 50 | 64696 | 82026 | 17974 | 82670 | 50 |
| 60 | 64784 | 82167 | 17833 | 82617 | 40 |
| 70 | 64872 | 82308 | 17692 | 82564 | 30 |
| 80 | 64961 | 82449 | 17551 | 82511 | 20 |
| 90 | 65049 | 82590 | 17410 | 82459 | 10 |
| **90 oo** | 65137 | 82731 | 17269 | 82406 | **10 oo** |
| | **9.78** | **9.88** | **0.11** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | $58^g$ |
| | 88 | 141 | 141 | 53 | |

| | 142 | 141 | 89 | 88 | 53 | 52 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,2 | 14,1 | 8,9 | 8,8 | 5,3 | 5,2 | 1 |
| 2 | 28,4 | 28,2 | 17,8 | 17,6 | 10,6 | 10,4 | 2 |
| 3 | 42,6 | 42,3 | 26,7 | 26,4 | 15,9 | 15,6 | 3 |
| 4 | 56,8 | 56,4 | 35,6 | 35,2 | 21,2 | 20,8 | 4 |
| 5 | 71,0 | 70,5 | 44,5 | 44,0 | 26,5 | 26,0 | 5 |
| 6 | 85,2 | 84,6 | 53,4 | 52,8 | 31,8 | 31,2 | 6 |
| 7 | 99,4 | 98,7 | 62,3 | 61,6 | 37,1 | 36,4 | 7 |
| 8 | 113,6 | 112,8 | 71,2 | 70,4 | 42,4 | 41,6 | 8 |
| 9 | 127,8 | 126,9 | 80,1 | 79,2 | 47,7 | 46,8 | 9 |

| 41g | 89 | 141 | 141 | 52 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | **9.89** | |
| **90 oo** | 65137 | 82731 | 17269 | 82406 | **10 oo** |
| 10 | 65225 | 82872 | 17128 | 82353 | 90 |
| 20 | 65314 | 83013 | 16987 | 82301 | 80 |
| 30 | 65402 | 83154 | 16846 | 82248 | 70 |
| 40 | 65490 | 83295 | 16705 | 82195 | 60 |
| 50 | 65578 | 83436 | 16564 | 82142 | 50 |
| 60 | 65667 | 83577 | 16423 | 82090 | 40 |
| 70 | 65755 | 83718 | 16282 | 82037 | 30 |
| 80 | 65843 | 83859 | 16141 | 81984 | 20 |
| 90 | 65931 | 84000 | 16000 | 81931 | 10 |
| **91 oo** | 66019 | 84141 | 15859 | 81878 | **09 oo** |
| 10 | 66108 | 84282 | 15718 | 81826 | 90 |
| 20 | 66196 | 84423 | 15577 | 81773 | 80 |
| 30 | 66284 | 84564 | 15436 | 81720 | 70 |
| 40 | 66372 | 84705 | 15295 | 81667 | 60 |
| 50 | 66460 | 84846 | 15154 | 81615 | 50 |
| 60 | 66549 | 84987 | 15013 | 81562 | 40 |
| 70 | 66637 | 85128 | 14872 | 81509 | 30 |
| 80 | 66725 | 85269 | 14731 | 81456 | 20 |
| 90 | 66813 | 85410 | 14590 | 81404 | 10 |
| **92 oo** | 66901 | 85551 | 14449 | 81351 | **08 oo** |
| 10 | 66989 | 85691 | 14309 | 81298 | 90 |
| 20 | 67078 | 85832 | 14168 | 81245 | 80 |
| 30 | 67166 | 85973 | 14027 | 81192 | 70 |
| 40 | 67254 | 86114 | 13886 | 81140 | 60 |
| 50 | 67342 | 86255 | 13745 | 81087 | 50 |
| 60 | 67430 | 86396 | 13604 | 81034 | 40 |
| 70 | 67518 | 86537 | 13463 | 80981 | 30 |
| 80 | 67607 | 86678 | 13322 | 80928 | 20 |
| 90 | 67695 | 86819 | 13181 | 80876 | 10 |
| **93 oo** | 67783 | 86960 | 13040 | 80823 | **07 oo** |
| 10 | 67871 | 87101 | 12899 | 80770 | 90 |
| 20 | 67959 | 87242 | 12758 | 80717 | 80 |
| 30 | 68047 | 87383 | 12617 | 80665 | 70 |
| 40 | 68135 | 87524 | 12476 | 80612 | 60 |
| 50 | 68224 | 87665 | 12335 | 80559 | 50 |
| 60 | 68312 | 87806 | 12194 | 80506 | 40 |
| 70 | 68400 | 87947 | 12053 | 80453 | 30 |
| 80 | 68488 | 88087 | 11913 | 80400 | 20 |
| 90 | 68576 | 88228 | 11772 | 80348 | 10 |
| **94 oo** | 68664 | 88369 | 11631 | 80295 | **06 oo** |
| 10 | 68752 | 88510 | 11490 | 80242 | 90 |
| 20 | 68840 | 88651 | 11349 | 80189 | 80 |
| 30 | 68929 | 88792 | 11208 | 80136 | 70 |
| 40 | 69017 | 88933 | 11067 | 80084 | 60 |
| 50 | 69105 | 89074 | 10926 | 80031 | 50 |
| 60 | 69193 | 89215 | 10785 | 79978 | 40 |
| 70 | 69281 | 89356 | 10644 | 79925 | 30 |
| 80 | 69369 | 89497 | 10503 | 79872 | 20 |
| 90 | 69457 | 89638 | 10362 | 79819 | 10 |
| **95 oo** | 69545 | 89779 | 10221 | 79767 | **05 oo** |
| | **9.78** | **9.88** | **0.11** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | 58g |
| | 88 | 140 | 140 | 53 | |

| 41g | 89 | 141 | 141 | 52 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.88** | **0.11** | **9.89** | |
| **95 oo** | 69545 | 89779 | 10221 | 79767 | **05 oo** |
| 10 | 69633 | 89920 | 10080 | 79714 | 90 |
| 20 | 69721 | 90060 | 09940 | 79661 | 80 |
| 30 | 69810 | 90201 | 09799 | 79608 | 70 |
| 40 | 69898 | 90342 | 09658 | 79555 | 60 |
| 50 | 69986 | 90483 | 09517 | 79502 | 50 |
| 60 | 70074 | 90624 | 09376 | 79450 | 40 |
| 70 | 70162 | 90765 | 09235 | 79397 | 30 |
| 80 | 70250 | 90906 | 09094 | 79344 | 20 |
| 90 | 70338 | 91047 | 08953 | 79291 | 10 |
| **96 oo** | 70426 | 91188 | 08812 | 79238 | **04 oo** |
| 10 | 70514 | 91329 | 08671 | 79185 | 90 |
| 20 | 70602 | 91470 | 08530 | 79133 | 80 |
| 30 | 70690 | 91610 | 08390 | 79080 | 70 |
| 40 | 70778 | 91751 | 08249 | 79027 | 60 |
| 50 | 70866 | 91892 | 08108 | 78974 | 50 |
| 60 | 70954 | 92033 | 07967 | 78921 | 40 |
| 70 | 71042 | 92174 | 07826 | 78868 | 30 |
| 80 | 71130 | 92315 | 07685 | 78815 | 20 |
| 90 | 71218 | 92456 | 07544 | 78763 | 10 |
| **97 oo** | 71306 | 92597 | 07403 | 78710 | **03 oo** |
| 10 | 71395 | 92738 | 07262 | 78657 | 90 |
| 20 | 71483 | 92879 | 07121 | 78604 | 80 |
| 30 | 71571 | 93019 | 06981 | 78551 | 70 |
| 40 | 71659 | 93160 | 06840 | 78498 | 60 |
| 50 | 71747 | 93301 | 06699 | 78445 | 50 |
| 60 | 71835 | 93442 | 06558 | 78392 | 40 |
| 70 | 71923 | 93583 | 06417 | 78340 | 30 |
| 80 | 72011 | 93724 | 06276 | 78287 | 20 |
| 90 | 72099 | 93865 | 06135 | 78234 | 10 |
| **98 oo** | 72187 | 94006 | 05994 | 78181 | **02 oo** |
| 10 | 72275 | 94147 | 05853 | 78128 | 90 |
| 20 | 72363 | 94287 | 05713 | 78075 | 80 |
| 30 | 72451 | 94428 | 05572 | 78022 | 70 |
| 40 | 72539 | 94569 | 05431 | 77969 | 60 |
| 50 | 72627 | 94710 | 05290 | 77917 | 50 |
| 60 | 72715 | 94851 | 05149 | 77864 | 40 |
| 70 | 72803 | 94992 | 05008 | 77811 | 30 |
| 80 | 72891 | 95133 | 04867 | 77758 | 20 |
| 90 | 72979 | 95274 | 04726 | 77705 | 10 |
| **99 oo** | 73067 | 95415 | 04585 | 77652 | **01 oo** |
| 10 | 73155 | 95555 | 04445 | 77599 | 90 |
| 20 | 73243 | 95696 | 04304 | 77546 | 80 |
| 30 | 73330 | 95837 | 04163 | 77493 | 70 |
| 40 | 73418 | 95978 | 04022 | 77440 | 60 |
| 50 | 73506 | 96119 | 03881 | 77388 | 50 |
| 60 | 73594 | 96260 | 03740 | 77335 | 40 |
| 70 | 73682 | 96401 | 03599 | 77282 | 30 |
| 80 | 73770 | 96541 | 03459 | 77229 | 20 |
| 90 | 73858 | 96682 | 03318 | 77176 | 10 |
| **100 oo** | 73946 | 96823 | 03177 | 77123 | **00 oo** |
| | **9.78** | **9.88** | **0.11** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | 58g |
| | 87 | 140 | 140 | 53 | |

| | 141 | 140 | 89 | 88 | 87 | 53 | 52 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,1 | 14,0 | 8,9 | 8,8 | 8,7 | 5,3 | 5,2 | 1 |
| 2 | 28,2 | 28,0 | 17,8 | 17,6 | 17,4 | 10,6 | 10,4 | 2 |
| 3 | 42,3 | 42,0 | 26,7 | 26,4 | 26,1 | 15,9 | 15,6 | 3 |
| 4 | 56,4 | 56,0 | 35,6 | 35,2 | 34,8 | 21,2 | 20,8 | 4 |
| 5 | 70,5 | 70,0 | 44,5 | 44,0 | 43,5 | 26,5 | 26,0 | 5 |
| 6 | 84,6 | 84,0 | 53,4 | 52,8 | 52,2 | 31,8 | 31,2 | 6 |
| 7 | 98,7 | 98,0 | 62,3 | 61,6 | 60,9 | 37,1 | 36,4 | 7 |
| 8 | 112,8 | 112,0 | 71,2 | 70,4 | 69,6 | 42,4 | 41,6 | 8 |
| 9 | 126,9 | 126,0 | 80,1 | 79,2 | 78,3 | 47,7 | 46,8 | 9 |

| 42g | 88 | 141 | 141 | 52 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | ***9.88** | ***0.11** | **9.89** | |
| **00 oo** | 73946 | *96823 | *03177 | 77123 | **100 oo** |
| 10 | 74034 | *96964 | *03036 | 77070 | 90 |
| 20 | 74122 | *97105 | *02895 | 77017 | 80 |
| 30 | 74210 | *97246 | *02754 | 76964 | 70 |
| 40 | 74298 | *97387 | *02613 | 76911 | 60 |
| 50 | 74386 | *97528 | *02472 | 76858 | 50 |
| 60 | 74474 | *97668 | *02332 | 76805 | 40 |
| 70 | 74562 | *97809 | *02191 | 76753 | 30 |
| 80 | 74650 | *97950 | *02050 | 76700 | 20 |
| 90 | 74738 | *98091 | *01909 | 76647 | 10 |
| **01 oo** | 74826 | *98232 | *01768 | 76594 | **99 oo** |
| 10 | 74913 | *98373 | *01627 | 76541 | 90 |
| 20 | 75001 | *98513 | *01487 | 76488 | 80 |
| 30 | 75089 | *98654 | *01346 | 76435 | 70 |
| 40 | 75177 | *98795 | *01205 | 76382 | 60 |
| 50 | 75265 | *98936 | *01064 | 76329 | 50 |
| 60 | 75353 | *99077 | *00923 | 76276 | 40 |
| 70 | 75441 | *99218 | *00782 | 76223 | 30 |
| 80 | 75529 | *99359 | *00641 | 76170 | 20 |
| 90 | 75617 | *99499 | *00501 | 76117 | 10 |
| **02 oo** | 75705 | *99640 | *00360 | 76064 | **98 oo** |
| 10 | 75792 | *99781 | *00219 | 76011 | 90 |
| 20 | 75880 | *99922 | *00078 | 75958 | 80 |
| 30 | 75968 | 00063 | 99937 | 75905 | 70 |
| 40 | 76056 | 00204 | 99796 | 75853 | 60 |
| 50 | 76144 | 00344 | 99656 | 75800 | 50 |
| 60 | 76232 | 00485 | 99515 | 75747 | 40 |
| 70 | 76320 | 00626 | 99374 | 75694 | 30 |
| 80 | 76408 | 00767 | 99233 | 75641 | 20 |
| 90 | 76495 | 00908 | 99092 | 75588 | 10 |
| **03 oo** | 76583 | 01049 | 98951 | 75535 | **97 oo** |
| 10 | 76671 | 01189 | 98811 | 75482 | 90 |
| 20 | 76759 | 01330 | 98670 | 75429 | 80 |
| 30 | 76847 | 01471 | 98529 | 75376 | 70 |
| 40 | 76935 | 01612 | 98388 | 75323 | 60 |
| 50 | 77023 | 01753 | 98247 | 75270 | 50 |
| 60 | 77110 | 01894 | 98106 | 75217 | 40 |
| 70 | 77198 | 02034 | 97966 | 75164 | 30 |
| 80 | 77286 | 02175 | 97825 | 75111 | 20 |
| 90 | 77374 | 02316 | 97684 | 75058 | 10 |
| **04 oo** | 77462 | 02457 | 97543 | 75005 | **96 oo** |
| 10 | 77550 | 02598 | 97402 | 74952 | 90 |
| 20 | 77637 | 02738 | 97262 | 74899 | 80 |
| 30 | 77725 | 02879 | 97121 | 74846 | 70 |
| 40 | 77813 | 03020 | 96980 | 74793 | 60 |
| 50 | 77901 | 03161 | 96839 | 74740 | 50 |
| 60 | 77989 | 03302 | 96698 | 74687 | 40 |
| 70 | 78077 | 03443 | 96557 | 74634 | 30 |
| 80 | 78164 | 03583 | 96417 | 74581 | 20 |
| 90 | 78252 | 03724 | 96276 | 74528 | 10 |
| **05 oo** | 78340 | 03865 | 96135 | 74475 | **95 oo** |
| | **9.78** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 87 | 140 | 140 | 53 | |

| 42g | 88 | 141 | 141 | 53 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.89** | **0.10** | **9.89** | |
| **05 oo** | 78340 | 03865 | 96135 | 74475 | **95 oo** |
| 10 | 78428 | 04006 | 95994 | 74422 | 90 |
| 20 | 78516 | 04147 | 95853 | 74369 | 80 |
| 30 | 78603 | 04287 | 95713 | 74316 | 70 |
| 40 | 78691 | 04428 | 95572 | 74263 | 60 |
| 50 | 78779 | 04569 | 95431 | 74210 | 50 |
| 60 | 78867 | 04710 | 95290 | 74157 | 40 |
| 70 | 78955 | 04851 | 95149 | 74104 | 30 |
| 80 | 79042 | 04991 | 95009 | 74051 | 20 |
| 90 | 79130 | 05132 | 94868 | 73998 | 10 |
| **06 oo** | 79218 | 05273 | 94727 | 73945 | **94 oo** |
| 10 | 79306 | 05414 | 94586 | 73892 | 90 |
| 20 | 79393 | 05555 | 94445 | 73839 | 80 |
| 30 | 79481 | 05695 | 94305 | 73786 | 70 |
| 40 | 79569 | 05836 | 94164 | 73733 | 60 |
| 50 | 79657 | 05977 | 94023 | 73680 | 50 |
| 60 | 79745 | 06118 | 93882 | 73627 | 40 |
| 70 | 79832 | 06258 | 93742 | 73574 | 30 |
| 80 | 79920 | 06399 | 93601 | 73521 | 20 |
| 90 | 80008 | 06540 | 93460 | 73468 | 10 |
| **07 oo** | 80096 | 06681 | 93319 | 73415 | **93 oo** |
| 10 | 80183 | 06822 | 93178 | 73362 | 90 |
| 20 | 80271 | 06962 | 93038 | 73309 | 80 |
| 30 | 80359 | 07103 | 92897 | 73256 | 70 |
| 40 | 80446 | 07244 | 92756 | 73203 | 60 |
| 50 | 80534 | 07385 | 92615 | 73149 | 50 |
| 60 | 80622 | 07526 | 92474 | 73096 | 40 |
| 70 | 80710 | 07666 | 92334 | 73043 | 30 |
| 80 | 80797 | 07807 | 92193 | 72990 | 20 |
| 90 | 80885 | 07948 | 92052 | 72937 | 10 |
| **08 oo** | 80973 | 08089 | 91911 | 72884 | **92 oo** |
| 10 | 81061 | 08229 | 91771 | 72831 | 90 |
| 20 | 81148 | 08370 | 91630 | 72778 | 80 |
| 30 | 81236 | 08511 | 91489 | 72725 | 70 |
| 40 | 81324 | 08652 | 91348 | 72672 | 60 |
| 50 | 81411 | 08792 | 91208 | 72619 | 50 |
| 60 | 81499 | 08933 | 91067 | 72566 | 40 |
| 70 | 81587 | 09074 | 90926 | 72513 | 30 |
| 80 | 81675 | 09215 | 90785 | 72460 | 20 |
| 90 | 81762 | 09356 | 90644 | 72407 | 10 |
| **09 oo** | 81850 | 09496 | 90504 | 72354 | **91 oo** |
| 10 | 81938 | 09637 | 90363 | 72301 | 90 |
| 20 | 82025 | 09778 | 90222 | 72247 | 80 |
| 30 | 82113 | 09919 | 90081 | 72194 | 70 |
| 40 | 82201 | 10059 | 89941 | 72141 | 60 |
| 50 | 82288 | 10200 | 89800 | 72088 | 50 |
| 60 | 82376 | 10341 | 89659 | 72035 | 40 |
| 70 | 82464 | 10482 | 89518 | 71982 | 30 |
| 80 | 82551 | 10622 | 89378 | 71929 | 20 |
| 90 | 82639 | 10763 | 89237 | 71876 | 10 |
| **10 oo** | 82727 | 10904 | 89096 | 71823 | **90 oo** |
| | **9.78** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 87 | 140 | 140 | 54 | |

| | 141 | 140 | 88 | 87 | 54 | 53 | 52 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,1 | 14,0 | 8,8 | 8,7 | 5,4 | 5,3 | 5,2 | 1 |
| 2 | 28,2 | 28,0 | 17,6 | 17,4 | 10,8 | 10,6 | 10,4 | 2 |
| 3 | 42,3 | 42,0 | 26,4 | 26,1 | 16,2 | 15,9 | 15,6 | 3 |
| 4 | 56,4 | 56,0 | 35,2 | 34,8 | 21,6 | 21,2 | 20,8 | 4 |
| 5 | 70,5 | 70,0 | 44,0 | 43,5 | 27,0 | 26,5 | 26,0 | 5 |
| 6 | 84,6 | 84,0 | 52,8 | 52,2 | 32,4 | 31,8 | 31,2 | 6 |
| 7 | 98,7 | 98,0 | 61,6 | 60,9 | 37,8 | 37,1 | 36,4 | 7 |
| 8 | 112,8 | 112,0 | 70,4 | 69,6 | 43,2 | 42,4 | 41,6 | 8 |
| 9 | 126,9 | 126,0 | 79,2 | 78,3 | 48,6 | 47,7 | 46,8 | 9 |

| 42g | 88 | 141 | 141 | 53 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.89** | **0.10** | **9.89** | |
| **10 oo** | 82727 | 10904 | 89096 | 71823 | **90 oo** |
| 10 | 82814 | 11045 | 88955 | 71770 | 90 |
| 20 | 82902 | 11185 | 88815 | 71717 | 80 |
| 30 | 82990 | 11326 | 88674 | 71664 | 70 |
| 40 | 83077 | 11467 | 88533 | 71610 | 60 |
| 50 | 83165 | 11608 | 88392 | 71557 | 50 |
| 60 | 83253 | 11748 | 88252 | 71504 | 40 |
| 70 | 83340 | 11889 | 88111 | 71451 | 30 |
| 80 | 83428 | 12030 | 87970 | 71398 | 20 |
| 90 | 83516 | 12171 | 87829 | 71345 | 10 |
| **11 oo** | 83603 | 12311 | 87689 | 71292 | **89 oo** |
| 10 | 83691 | 12452 | 87548 | 71239 | 90 |
| 20 | 83778 | 12593 | 87407 | 71186 | 80 |
| 30 | 83866 | 12734 | 87266 | 71133 | 70 |
| 40 | 83954 | 12874 | 87126 | 71079 | 60 |
| 50 | 84041 | 13015 | 86985 | 71026 | 50 |
| 60 | 84129 | 13156 | 86844 | 70973 | 40 |
| 70 | 84217 | 13296 | 86704 | 70920 | 30 |
| 80 | 84304 | 13437 | 86563 | 70867 | 20 |
| 90 | 84392 | 13578 | 86422 | 70814 | 10 |
| **12 oo** | 84479 | 13719 | 86281 | 70761 | **88 oo** |
| 10 | 84567 | 13859 | 86141 | 70708 | 90 |
| 20 | 84655 | 14000 | 86000 | 70654 | 80 |
| 30 | 84742 | 14141 | 85859 | 70601 | 70 |
| 40 | 84830 | 14282 | 85718 | 70548 | 60 |
| 50 | 84917 | 14422 | 85578 | 70495 | 50 |
| 60 | 85005 | 14563 | 85437 | 70442 | 40 |
| 70 | 85093 | 14704 | 85296 | 70389 | 30 |
| 80 | 85180 | 14844 | 85156 | 70336 | 20 |
| 90 | 85268 | 14985 | 85015 | 70283 | 10 |
| **13 oo** | 85355 | 15126 | 84874 | 70229 | **87 oo** |
| 10 | 85443 | 15267 | 84733 | 70176 | 90 |
| 20 | 85530 | 15407 | 84593 | 70123 | 80 |
| 30 | 85618 | 15548 | 84452 | 70070 | 70 |
| 40 | 85706 | 15689 | 84311 | 70017 | 60 |
| 50 | 85793 | 15829 | 84171 | 69964 | 50 |
| 60 | 85881 | 15970 | 84030 | 69911 | 40 |
| 70 | 85968 | 16111 | 83889 | 69857 | 30 |
| 80 | 86056 | 16252 | 83748 | 69804 | 20 |
| 90 | 86143 | 16392 | 83608 | 69751 | 10 |
| **14 oo** | 86231 | 16533 | 83467 | 69698 | **86 oo** |
| 10 | 86318 | 16674 | 83326 | 69645 | 90 |
| 20 | 86406 | 16814 | 83186 | 69592 | 80 |
| 30 | 86494 | 16955 | 83045 | 69538 | 70 |
| 40 | 86581 | 17096 | 82904 | 69485 | 60 |
| 50 | 86669 | 17236 | 82764 | 69432 | 50 |
| 60 | 86756 | 17377 | 82623 | 69379 | 40 |
| 70 | 86844 | 17518 | 82482 | 69326 | 30 |
| 80 | 86931 | 17659 | 82341 | 69273 | 20 |
| 90 | 87019 | 17799 | 82201 | 69219 | 10 |
| **15 oo** | 87106 | 17940 | 82060 | 69166 | **85 oo** |
| | **9.78** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 87 | 140 | 140 | 54 | |

| 42g | 88 | 141 | 141 | 53 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.89** | **0.10** | **9.89** | |
| **15 oo** | 87106 | 17940 | 82060 | 69166 | **85 oo** |
| 10 | 87194 | 18081 | 81919 | 69113 | 90 |
| 20 | 87281 | 18221 | 81779 | 69060 | 80 |
| 30 | 87369 | 18362 | 81638 | 69007 | 70 |
| 40 | 87456 | 18503 | 81497 | 68954 | 60 |
| 50 | 87544 | 18643 | 81357 | 68900 | 50 |
| 60 | 87631 | 18784 | 81216 | 68847 | 40 |
| 70 | 87719 | 18925 | 81075 | 68794 | 30 |
| 80 | 87806 | 19065 | 80935 | 68741 | 20 |
| 90 | 87894 | 19206 | 80794 | 68688 | 10 |
| **16 oo** | 87981 | 19347 | 80653 | 68634 | **84 oo** |
| 10 | 88069 | 19488 | 80512 | 68581 | 90 |
| 20 | 88156 | 19628 | 80372 | 68528 | 80 |
| 30 | 88244 | 19769 | 80231 | 68475 | 70 |
| 40 | 88331 | 19910 | 80090 | 68422 | 60 |
| 50 | 88419 | 20050 | 79950 | 68368 | 50 |
| 60 | 88506 | 20191 | 79809 | 68315 | 40 |
| 70 | 88594 | 20332 | 79668 | 68262 | 30 |
| 80 | 88681 | 20472 | 79528 | 68209 | 20 |
| 90 | 88769 | 20613 | 79387 | 68156 | 10 |
| **17 oo** | 88856 | 20754 | 79246 | 68102 | **83 oo** |
| 10 | 88944 | 20894 | 79106 | 68049 | 90 |
| 20 | 89031 | 21035 | 78965 | 67996 | 80 |
| 30 | 89118 | 21176 | 78824 | 67943 | 70 |
| 40 | 89206 | 21316 | 78684 | 67890 | 60 |
| 50 | 89293 | 21457 | 78543 | 67836 | 50 |
| 60 | 89381 | 21598 | 78402 | 67783 | 40 |
| 70 | 89468 | 21738 | 78262 | 67730 | 30 |
| 80 | 89556 | 21879 | 78121 | 67677 | 20 |
| 90 | 89643 | 22020 | 77980 | 67624 | 10 |
| **18 oo** | 89731 | 22160 | 77840 | 67570 | **82 oo** |
| 10 | 89818 | 22301 | 77699 | 67517 | 90 |
| 20 | 89905 | 22442 | 77558 | 67464 | 80 |
| 30 | 89993 | 22582 | 77418 | 67411 | 70 |
| 40 | 90080 | 22723 | 77277 | 67357 | 60 |
| 50 | 90168 | 22864 | 77136 | 67304 | 50 |
| 60 | 90255 | 23004 | 76996 | 67251 | 40 |
| 70 | 90343 | 23145 | 76855 | 67198 | 30 |
| 80 | 90430 | 23286 | 76714 | 67144 | 20 |
| 90 | 90517 | 23426 | 76574 | 67091 | 10 |
| **19 oo** | 90605 | 23567 | 76433 | 67038 | **81 oo** |
| 10 | 90692 | 23708 | 76292 | 66985 | 90 |
| 20 | 90780 | 23848 | 76152 | 66931 | 80 |
| 30 | 90867 | 23989 | 76011 | 66878 | 70 |
| 40 | 90954 | 24129 | 75871 | 66825 | 60 |
| 50 | 91042 | 24270 | 75730 | 66772 | 50 |
| 60 | 91129 | 24411 | 75589 | 66718 | 40 |
| 70 | 91217 | 24551 | 75449 | 66665 | 30 |
| 80 | 91304 | 24692 | 75308 | 66612 | 20 |
| 90 | 91391 | 24833 | 75167 | 66559 | 10 |
| **20 oo** | 91479 | 24973 | 75027 | 66505 | **80 oo** |
| | **9.78** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 87 | 140 | 140 | 54 | |

| | 141 | 140 | 88 | 87 | 54 | 53 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,1 | 14,0 | 8,8 | 8,7 | 5,4 | 5,3 | 1 |
| 2 | 28,2 | 28,0 | 17,6 | 17,4 | 10,8 | 10,6 | 2 |
| 3 | 42,3 | 42,0 | 26,4 | 26,1 | 16,2 | 15,9 | 3 |
| 4 | 56,4 | 56,0 | 35,2 | 34,8 | 21,6 | 21,2 | 4 |
| 5 | 70,5 | 70,0 | 44,0 | 43,5 | 27,0 | 26,5 | 5 |
| 6 | 84,6 | 84,0 | 52,8 | 52,2 | 32,4 | 31,8 | 6 |
| 7 | 98,7 | 98,0 | 61,6 | 60,9 | 37,8 | 37,1 | 7 |
| 8 | 112,8 | 112,0 | 70,4 | 69,6 | 43,2 | 42,4 | 8 |
| 9 | 126,9 | 126,0 | 79,2 | 78,3 | 48,6 | 47,7 | 9 |

| 42g | 88 | 141 | 141 | 53 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.89** | **0.10** | **9.89** | |
| **20 oo** | 91479 | 24973 | 75027 | 66505 | **80 oo** |
| 10 | 91566 | 25114 | 74886 | 66452 | 90 |
| 20 | 91653 | 25255 | 74745 | 66399 | 80 |
| 30 | 91741 | 25395 | 74605 | 66346 | 70 |
| 40 | 91828 | 25536 | 74464 | 66292 | 60 |
| 50 | 91916 | 25676 | 74324 | 66239 | 50 |
| 60 | 92003 | 25817 | 74183 | 66186 | 40 |
| 70 | 92090 | 25958 | 74042 | 66133 | 30 |
| 80 | 92178 | 26098 | 73902 | 66079 | 20 |
| 90 | 92265 | 26239 | 73761 | 66026 | 10 |
| **21 oo** | 92352 | 26380 | 73620 | 65973 | **79 oo** |
| 10 | 92440 | 26520 | 73480 | 65919 | 90 |
| 20 | 92527 | 26661 | 73339 | 65866 | 80 |
| 30 | 92614 | 26802 | 73198 | 65813 | 70 |
| 40 | 92702 | 26942 | 73058 | 65760 | 60 |
| 50 | 92789 | 27083 | 72917 | 65706 | 50 |
| 60 | 92876 | 27223 | 72777 | 65653 | 40 |
| 70 | 92964 | 27364 | 72636 | 65600 | 30 |
| 80 | 93051 | 27505 | 72495 | 65546 | 20 |
| 90 | 93138 | 27645 | 72355 | 65493 | 10 |
| **22 oo** | 93226 | 27786 | 72214 | 65440 | **78 oo** |
| 10 | 93313 | 27926 | 72074 | 65387 | 90 |
| 20 | 93400 | 28067 | 71933 | 65333 | 80 |
| 30 | 93488 | 28208 | 71792 | 65280 | 70 |
| 40 | 93575 | 28348 | 71652 | 65227 | 60 |
| 50 | 93662 | 28489 | 71511 | 65173 | 50 |
| 60 | 93750 | 28630 | 71370 | 65120 | 40 |
| 70 | 93837 | 28770 | 71230 | 65067 | 30 |
| 80 | 93924 | 28911 | 71089 | 65013 | 20 |
| 90 | 94012 | 29051 | 70949 | 64960 | 10 |
| **23 oo** | 94099 | 29192 | 70808 | 64907 | **77 oo** |
| 10 | 94186 | 29333 | 70667 | 64854 | 90 |
| 20 | 94273 | 29473 | 70527 | 64800 | 80 |
| 30 | 94361 | 29614 | 70386 | 64747 | 70 |
| 40 | 94448 | 29754 | 70246 | 64694 | 60 |
| 50 | 94535 | 29895 | 70105 | 64640 | 50 |
| 60 | 94623 | 30036 | 69964 | 64587 | 40 |
| 70 | 94710 | 30176 | 69824 | 64534 | 30 |
| 80 | 94797 | 30317 | 69683 | 64480 | 20 |
| 90 | 94884 | 30457 | 69543 | 64427 | 10 |
| **24 oo** | 94972 | 30598 | 69402 | 64374 | **76 oo** |
| 10 | 95059 | 30739 | 69261 | 64320 | 90 |
| 20 | 95146 | 30879 | 69121 | 64267 | 80 |
| 30 | 95233 | 31020 | 68980 | 64214 | 70 |
| 40 | 95321 | 31160 | 68840 | 64160 | 60 |
| 50 | 95408 | 31301 | 68699 | 64107 | 50 |
| 60 | 95495 | 31442 | 68558 | 64054 | 40 |
| 70 | 95582 | 31582 | 68418 | 64000 | 30 |
| 80 | 95670 | 31723 | 68277 | 63947 | 20 |
| 90 | 95757 | 31863 | 68137 | 63894 | 10 |
| **25 oo** | 95844 | 32004 | 67996 | 63840 | **75 oo** |
| | **9.78** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 87 | 140 | 140 | 54 | **57g** |

| 42g | 88 | 141 | 141 | 53 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.78** | **9.89** | **0.10** | **9.89** | |
| **25 oo** | 95844 | 32004 | 67996 | 63840 | **75 oo** |
| 10 | 95931 | 32144 | 67856 | 63787 | 90 |
| 20 | 96019 | 32285 | 67715 | 63734 | 80 |
| 30 | 96106 | 32426 | 67574 | 63680 | 70 |
| 40 | 96193 | 32566 | 67434 | 63627 | 60 |
| 50 | 96280 | 32707 | 67293 | 63574 | 50 |
| 60 | 96368 | 32847 | 67153 | 63520 | 40 |
| 70 | 96455 | 32988 | 67012 | 63467 | 30 |
| 80 | 96542 | 33129 | 66871 | 63413 | 20 |
| 90 | 96629 | 33269 | 66731 | 63360 | 10 |
| **26 oo** | 96716 | 33410 | 66590 | 63307 | **74 oo** |
| 10 | 96804 | 33550 | 66450 | 63253 | 90 |
| 20 | 96891 | 33691 | 66309 | 63200 | 80 |
| 30 | 96978 | 33831 | 66169 | 63147 | 70 |
| 40 | 97065 | 33972 | 66028 | 63093 | 60 |
| 50 | 97152 | 34113 | 65887 | 63040 | 50 |
| 60 | 97240 | 34253 | 65747 | 62987 | 40 |
| 70 | 97327 | 34394 | 65606 | 62933 | 30 |
| 80 | 97414 | 34534 | 65466 | 62880 | 20 |
| 90 | 97501 | 34675 | 65325 | 62826 | 10 |
| **27 oo** | 97588 | 34815 | 65185 | 62773 | **73 oo** |
| 10 | 97676 | 34956 | 65044 | 62720 | 90 |
| 20 | 97763 | 35096 | 64904 | 62666 | 80 |
| 30 | 97850 | 35237 | 64763 | 62613 | 70 |
| 40 | 97937 | 35378 | 64622 | 62559 | 60 |
| 50 | 98024 | 35518 | 64482 | 62506 | 50 |
| 60 | 98111 | 35659 | 64341 | 62453 | 40 |
| 70 | 98199 | 35799 | 64201 | 62399 | 30 |
| 80 | 98286 | 35940 | 64060 | 62346 | 20 |
| 90 | 98373 | 36080 | 63920 | 62292 | 10 |
| **28 oo** | 98460 | 36221 | 63779 | 62239 | **72 oo** |
| 10 | 98547 | 36361 | 63639 | 62186 | 90 |
| 20 | 98634 | 36502 | 63498 | 62132 | 80 |
| 30 | 98721 | 36643 | 63357 | 62079 | 70 |
| 40 | 98809 | 36783 | 63217 | 62025 | 60 |
| 50 | 98896 | 36924 | 63076 | 61972 | 50 |
| 60 | 98983 | 37064 | 62936 | 61919 | 40 |
| 70 | 99070 | 37205 | 62795 | 61865 | 30 |
| 80 | 99157 | 37345 | 62655 | 61812 | 20 |
| 90 | 99244 | 37486 | 62514 | 61758 | 10 |
| **29 oo** | 99331 | 37626 | 62374 | 61705 | **71 oo** |
| 10 | 99419 | 37767 | 62233 | 61652 | 90 |
| 20 | 99506 | 37907 | 62093 | 61598 | 80 |
| 30 | 99593 | 38048 | 61952 | 61545 | 70 |
| 40 | 99680 | 38189 | 61811 | 61491 | 60 |
| 50 | 99767 | 38329 | 61671 | 61438 | 50 |
| 60 | 99854 | 38470 | 61530 | 61385 | 40 |
| 70 | 99941 | 38610 | 61390 | 61331 | 30 |
| 80 | ∗00028 | 38751 | 61249 | 61278 | 20 |
| 90 | ∗00115 | 38891 | 61109 | 61224 | 10 |
| **30 oo** | ∗00202 | 39032 | 60968 | 61171 | **70 oo** |
| | ∗**9.79** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 87 | 140 | 140 | 54 | **57g** |

| | 141 | 140 | 88 | 87 | 54 | 53 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,1 | 14,0 | 8,8 | 8,7 | 5,4 | 5,3 | 1 |
| 2 | 28,2 | 28,0 | 17,6 | 17,4 | 10,8 | 10,6 | 2 |
| 3 | 42,3 | 42,0 | 26,4 | 26,1 | 16,2 | 15,9 | 3 |
| 4 | 56,4 | 56,0 | 35,2 | 34,8 | 21,6 | 21,2 | 4 |
| 5 | 70,5 | 70,0 | 44,0 | 43,5 | 27,0 | 26,5 | 5 |
| 6 | 84,6 | 84,0 | 52,8 | 52,2 | 32,4 | 31,8 | 6 |
| 7 | 98,7 | 98,0 | 61,6 | 60,9 | 37,8 | 37,1 | 7 |
| 8 | 112,8 | 112,0 | 70,4 | 69,6 | 43,2 | 42,4 | 8 |
| 9 | 126,9 | 126,0 | 79,2 | 78,3 | 48,6 | 47,7 | 9 |

| 42g | 88 | 141 | 141 | 53 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.89** | **0.10** | **9.89** | |
| **30 oo** | 00202 | 39032 | 60968 | 61171 | **70 oo** |
| 10 | 00290 | 39172 | 60828 | 61117 | 90 |
| 20 | 00377 | 39313 | 60687 | 61064 | 80 |
| 30 | 00464 | 39453 | 60547 | 61010 | 70 |
| 40 | 00551 | 39594 | 60406 | 60957 | 60 |
| 50 | 00638 | 39734 | 60266 | 60904 | 50 |
| 60 | 00725 | 39875 | 60125 | 60850 | 40 |
| 70 | 00812 | 40015 | 59985 | 60797 | 30 |
| 80 | 00899 | 40156 | 59844 | 60743 | 20 |
| 90 | 00986 | 40296 | 59704 | 60690 | 10 |
| **31 oo** | 01073 | 40437 | 59563 | 60636 | **69 oo** |
| 10 | 01160 | 40577 | 59423 | 60583 | 90 |
| 20 | 01247 | 40718 | 59282 | 60529 | 80 |
| 30 | 01335 | 40858 | 59142 | 60476 | 70 |
| 40 | 01422 | 40999 | 59001 | 60423 | 60 |
| 50 | 01509 | 41140 | 58860 | 60369 | 50 |
| 60 | 01596 | 41280 | 58720 | 60316 | 40 |
| 70 | 01683 | 41421 | 58579 | 60262 | 30 |
| 80 | 01770 | 41561 | 58439 | 60209 | 20 |
| 90 | 01857 | 41702 | 58298 | 60155 | 10 |
| **32 oo** | 01944 | 41842 | 58158 | 60102 | **68 oo** |
| 10 | 02031 | 41983 | 58017 | 60048 | 90 |
| 20 | 02118 | 42123 | 57877 | 59995 | 80 |
| 30 | 02205 | 42264 | 57736 | 59941 | 70 |
| 40 | 02292 | 42404 | 57596 | 59888 | 60 |
| 50 | 02379 | 42545 | 57455 | 59834 | 50 |
| 60 | 02466 | 42685 | 57315 | 59781 | 40 |
| 70 | 02553 | 42826 | 57174 | 59727 | 30 |
| 80 | 02640 | 42966 | 57034 | 59674 | 20 |
| 90 | 02727 | 43107 | 56893 | 59621 | 10 |
| **33 oo** | 02814 | 43247 | 56753 | 59567 | **67 oo** |
| 10 | 02901 | 43388 | 56612 | 59514 | 90 |
| 20 | 02988 | 43528 | 56472 | 59460 | 80 |
| 30 | 03075 | 43669 | 56331 | 59407 | 70 |
| 40 | 03162 | 43809 | 56191 | 59353 | 60 |
| 50 | 03249 | 43950 | 56050 | 59300 | 50 |
| 60 | 03336 | 44090 | 55910 | 59246 | 40 |
| 70 | 03423 | 44231 | 55769 | 59193 | 30 |
| 80 | 03510 | 44371 | 55629 | 59139 | 20 |
| 90 | 03597 | 44512 | 55488 | 59086 | 10 |
| **34 oo** | 03684 | 44652 | 55348 | 59032 | **66 oo** |
| 10 | 03771 | 44792 | 55208 | 58979 | 90 |
| 20 | 03858 | 44933 | 55067 | 58925 | 80 |
| 30 | 03945 | 45073 | 54927 | 58872 | 70 |
| 40 | 04032 | 45214 | 54786 | 58818 | 60 |
| 50 | 04119 | 45354 | 54646 | 58765 | 50 |
| 60 | 04206 | 45495 | 54505 | 58711 | 40 |
| 70 | 04293 | 45635 | 54365 | 58658 | 30 |
| 80 | 04380 | 45776 | 54224 | 58604 | 20 |
| 90 | 04467 | 45916 | 54084 | 58551 | 10 |
| **35 oo** | 04554 | 46057 | 53943 | 58497 | **65 oo** |
| | **9.79** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 87 | 140 | 140 | 54 | **57g** |

| 42g | 87 | 141 | 141 | 53 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.89** | **0.10** | **9.89** | |
| **35 oo** | 04554 | 46057 | 53943 | 58497 | **65 oo** |
| 10 | 04641 | 46197 | 53803 | 58443 | 90 |
| 20 | 04728 | 46338 | 53662 | 58390 | 80 |
| 30 | 04815 | 46478 | 53522 | 58336 | 70 |
| 40 | 04902 | 46619 | 53381 | 58283 | 60 |
| 50 | 04989 | 46759 | 53241 | 58229 | 50 |
| 60 | 05075 | 46900 | 53100 | 58176 | 40 |
| 70 | 05162 | 47040 | 52960 | 58122 | 30 |
| 80 | 05249 | 47181 | 52819 | 58069 | 20 |
| 90 | 05336 | 47321 | 52679 | 58015 | 10 |
| **36 oo** | 05423 | 47462 | 52538 | 57962 | **64 oo** |
| 10 | 05510 | 47602 | 52398 | 57908 | 90 |
| 20 | 05597 | 47742 | 52258 | 57855 | 80 |
| 30 | 05684 | 47883 | 52117 | 57801 | 70 |
| 40 | 05771 | 48023 | 51977 | 57748 | 60 |
| 50 | 05858 | 48164 | 51836 | 57694 | 50 |
| 60 | 05945 | 48304 | 51696 | 57640 | 40 |
| 70 | 06032 | 48445 | 51555 | 57587 | 30 |
| 80 | 06119 | 48585 | 51415 | 57533 | 20 |
| 90 | 06205 | 48726 | 51274 | 57480 | 10 |
| **37 oo** | 06292 | 48866 | 51134 | 57426 | **63 oo** |
| 10 | 06379 | 49007 | 50993 | 57373 | 90 |
| 20 | 06466 | 49147 | 50853 | 57319 | 80 |
| 30 | 06553 | 49287 | 50713 | 57266 | 70 |
| 40 | 06640 | 49428 | 50572 | 57212 | 60 |
| 50 | 06727 | 49568 | 50432 | 57158 | 50 |
| 60 | 06814 | 49709 | 50291 | 57105 | 40 |
| 70 | 06901 | 49849 | 50151 | 57051 | 30 |
| 80 | 06987 | 49990 | 50010 | 56998 | 20 |
| 90 | 07074 | 50130 | 49870 | 56944 | 10 |
| **38 oo** | 07161 | 50271 | 49729 | 56891 | **62 oo** |
| 10 | 07248 | 50411 | 49589 | 56837 | 90 |
| 20 | 07335 | 50551 | 49449 | 56783 | 80 |
| 30 | 07422 | 50692 | 49308 | 56730 | 70 |
| 40 | 07509 | 50832 | 49168 | 56676 | 60 |
| 50 | 07596 | 50973 | 49027 | 56623 | 50 |
| 60 | 07682 | 51113 | 48887 | 56569 | 40 |
| 70 | 07769 | 51254 | 48746 | 56516 | 30 |
| 80 | 07856 | 51394 | 48606 | 56462 | 20 |
| 90 | 07943 | 51535 | 48465 | 56408 | 10 |
| **39 oo** | 08030 | 51675 | 48325 | 56355 | **61 oo** |
| 10 | 08117 | 51815 | 48185 | 56301 | 90 |
| 20 | 08203 | 51956 | 48044 | 56248 | 80 |
| 30 | 08290 | 52096 | 47904 | 56194 | 70 |
| 40 | 08377 | 52237 | 47763 | 56140 | 60 |
| 50 | 08464 | 52377 | 47623 | 56087 | 50 |
| 60 | 08551 | 52518 | 47482 | 56033 | 40 |
| 70 | 08638 | 52658 | 47342 | 55980 | 30 |
| 80 | 08724 | 52798 | 47202 | 55926 | 20 |
| 90 | 08811 | 52939 | 47061 | 55872 | 10 |
| **40 oo** | 08898 | 53079 | 46921 | 55819 | **60 oo** |
| | **9.79** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 86 | 140 | 140 | 54 | **57g** |

| | 141 | 140 | 88 | 87 | 86 | 54 | 53 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,1 | 14,0 | 8,8 | 8,7 | 8,6 | 5,4 | 5,3 | 1 |
| 2 | 28,2 | 28,0 | 17,6 | 17,4 | 17,2 | 10,8 | 10,6 | 2 |
| 3 | 42,3 | 42,0 | 26,4 | 26,1 | 25,8 | 16,2 | 15,9 | 3 |
| 4 | 56,4 | 56,0 | 35,2 | 34,8 | 34,4 | 21,6 | 21,2 | 4 |
| 5 | 70,5 | 70,0 | 44,0 | 43,5 | 43,0 | 27,0 | 26,5 | 5 |
| 6 | 84,6 | 84,0 | 52,8 | 52,2 | 51,6 | 32,4 | 31,8 | 6 |
| 7 | 98,7 | 98,0 | 61,6 | 60,9 | 60,2 | 37,8 | 37,1 | 7 |
| 8 | 112,8 | 112,0 | 70,4 | 69,6 | 68,8 | 43,2 | 42,4 | 8 |
| 9 | 126,9 | 126,0 | 79,2 | 78,3 | 77,4 | 48,6 | 47,7 | 9 |

| 42g | 87 | 141 | 141 | 53 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.89** | **0.10** | **9.89** | |
| **40 oo** | 08898 | 53079 | 46921 | 55819 | **60 oo** |
| 10 | 08985 | 53220 | 46780 | 55765 | 90 |
| 20 | 09072 | 53360 | 46640 | 55712 | 80 |
| 30 | 09159 | 53500 | 46500 | 55658 | 70 |
| 40 | 09245 | 53641 | 46359 | 55604 | 60 |
| 50 | 09332 | 53781 | 46219 | 55551 | 50 |
| 60 | 09419 | 53922 | 46078 | 55497 | 40 |
| 70 | 09506 | 54062 | 45938 | 55444 | 30 |
| 80 | 09593 | 54203 | 45797 | 55390 | 20 |
| 90 | 09679 | 54343 | 45657 | 55336 | 10 |
| **41 oo** | 09766 | 54483 | 45517 | 55283 | **59 oo** |
| 10 | 09853 | 54624 | 45376 | 55229 | 90 |
| 20 | 09940 | 54764 | 45236 | 55175 | 80 |
| 30 | 10026 | 54905 | 45095 | 55122 | 70 |
| 40 | 10113 | 55045 | 44955 | 55068 | 60 |
| 50 | 10200 | 55185 | 44815 | 55015 | 50 |
| 60 | 10287 | 55326 | 44674 | 54961 | 40 |
| 70 | 10374 | 55466 | 44534 | 54907 | 30 |
| 80 | 10460 | 55607 | 44393 | 54854 | 20 |
| 90 | 10547 | 55747 | 44253 | 54800 | 10 |
| **42 oo** | 10634 | 55887 | 44113 | 54746 | **58 oo** |
| 10 | 10721 | 56028 | 43972 | 54693 | 90 |
| 20 | 10807 | 56168 | 43832 | 54639 | 80 |
| 30 | 10894 | 56309 | 43691 | 54585 | 70 |
| 40 | 10981 | 56449 | 43551 | 54532 | 60 |
| 50 | 11068 | 56589 | 43411 | 54478 | 50 |
| 60 | 11154 | 56730 | 43270 | 54425 | 40 |
| 70 | 11241 | 56870 | 43130 | 54371 | 30 |
| 80 | 11328 | 57011 | 42989 | 54317 | 20 |
| 90 | 11415 | 57151 | 42849 | 54264 | 10 |
| **43 oo** | 11501 | 57291 | 42709 | 54210 | **57 oo** |
| 10 | 11588 | 57432 | 42568 | 54156 | 90 |
| 20 | 11675 | 57572 | 42428 | 54103 | 80 |
| 30 | 11761 | 57713 | 42287 | 54049 | 70 |
| 40 | 11848 | 57853 | 42147 | 53995 | 60 |
| 50 | 11935 | 57993 | 42007 | 53942 | 50 |
| 60 | 12022 | 58134 | 41866 | 53888 | 40 |
| 70 | 12108 | 58274 | 41726 | 53834 | 30 |
| 80 | 12195 | 58414 | 41586 | 53781 | 20 |
| 90 | 12282 | 58555 | 41445 | 53727 | 10 |
| **44 oo** | 12368 | 58695 | 41305 | 53673 | **56 oo** |
| 10 | 12455 | 58836 | 41164 | 53620 | 90 |
| 20 | 12542 | 58976 | 41024 | 53566 | 80 |
| 30 | 12629 | 59116 | 40884 | 53512 | 70 |
| 40 | 12715 | 59257 | 40743 | 53459 | 60 |
| 50 | 12802 | 59397 | 40603 | 53405 | 50 |
| 60 | 12889 | 59537 | 40463 | 53351 | 40 |
| 70 | 12975 | 59678 | 40322 | 53297 | 30 |
| 80 | 13062 | 59818 | 40182 | 53244 | 20 |
| 90 | 13149 | 59959 | 40041 | 53190 | 10 |
| **45 oo** | 13235 | 60099 | 39901 | 53136 | **55 oo** |
| | **9.79** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 86 | 140 | 140 | 54 | |

| 42g | 87 | 141 | 141 | 53 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.89** | **0.10** | **9.89** | |
| **45 oo** | 13235 | 60099 | 39901 | 53136 | **55 oo** |
| 10 | 13322 | 60239 | 39761 | 53083 | 90 |
| 20 | 13409 | 60380 | 39620 | 53029 | 80 |
| 30 | 13495 | 60520 | 39480 | 52975 | 70 |
| 40 | 13582 | 60660 | 39340 | 52922 | 60 |
| 50 | 13669 | 60801 | 39199 | 52868 | 50 |
| 60 | 13755 | 60941 | 39059 | 52814 | 40 |
| 70 | 13842 | 61081 | 38919 | 52761 | 30 |
| 80 | 13929 | 61222 | 38778 | 52707 | 20 |
| 90 | 14015 | 61362 | 38638 | 52653 | 10 |
| **46 oo** | 14102 | 61503 | 38497 | 52599 | **54 oo** |
| 10 | 14189 | 61643 | 38357 | 52546 | 90 |
| 20 | 14275 | 61783 | 38217 | 52492 | 80 |
| 30 | 14362 | 61924 | 38076 | 52438 | 70 |
| 40 | 14449 | 62064 | 37936 | 52385 | 60 |
| 50 | 14535 | 62204 | 37796 | 52331 | 50 |
| 60 | 14622 | 62345 | 37655 | 52277 | 40 |
| 70 | 14708 | 62485 | 37515 | 52223 | 30 |
| 80 | 14795 | 62625 | 37375 | 52170 | 20 |
| 90 | 14882 | 62766 | 37234 | 52116 | 10 |
| **47 oo** | 14968 | 62906 | 37094 | 52062 | **53 oo** |
| 10 | 15055 | 63046 | 36954 | 52008 | 90 |
| 20 | 15142 | 63187 | 36813 | 51955 | 80 |
| 30 | 15228 | 63327 | 36673 | 51901 | 70 |
| 40 | 15315 | 63467 | 36533 | 51847 | 60 |
| 50 | 15401 | 63608 | 36392 | 51794 | 50 |
| 60 | 15488 | 63748 | 36252 | 51740 | 40 |
| 70 | 15575 | 63888 | 36112 | 51686 | 30 |
| 80 | 15661 | 64029 | 35971 | 51632 | 20 |
| 90 | 15748 | 64169 | 35831 | 51579 | 10 |
| **48 oo** | 15834 | 64309 | 35691 | 51525 | **52 oo** |
| 10 | 15921 | 64450 | 35550 | 51471 | 90 |
| 20 | 16008 | 64590 | 35410 | 51417 | 80 |
| 30 | 16094 | 64730 | 35270 | 51364 | 70 |
| 40 | 16181 | 64871 | 35129 | 51310 | 60 |
| 50 | 16267 | 65011 | 34989 | 51256 | 50 |
| 60 | 16354 | 65151 | 34849 | 51202 | 40 |
| 70 | 16440 | 65292 | 34708 | 51149 | 30 |
| 80 | 16527 | 65432 | 34568 | 51095 | 20 |
| 90 | 16614 | 65572 | 34428 | 51041 | 10 |
| **49 oo** | 16700 | 65713 | 34287 | 50987 | **51 oo** |
| 10 | 16787 | 65853 | 34147 | 50934 | 90 |
| 20 | 16873 | 65993 | 34007 | 50880 | 80 |
| 30 | 16960 | 66134 | 33866 | 50826 | 70 |
| 40 | 17046 | 66274 | 33726 | 50772 | 60 |
| 50 | 17133 | 66414 | 33586 | 50718 | 50 |
| 60 | 17219 | 66555 | 33445 | 50665 | 40 |
| 70 | 17306 | 66695 | 33305 | 50611 | 30 |
| 80 | 17393 | 66835 | 33165 | 50557 | 20 |
| 90 | 17479 | 66976 | 33024 | 50503 | 10 |
| **50 oo** | 17566 | 67116 | 32884 | 50450 | **50 oo** |
| | **9.79** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 86 | 140 | 140 | 54 | |

| | 141 | 140 | 87 | 86 | 54 | 53 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,1 | 14,0 | 8,7 | 8,6 | 5,4 | 5,3 | 1 |
| 2 | 28,2 | 28,0 | 17,4 | 17,2 | 10,8 | 10,6 | 2 |
| 3 | 42,3 | 42,0 | 26,1 | 25,8 | 16,2 | 15,9 | 3 |
| 4 | 56,4 | 56,0 | 34,8 | 34,4 | 21,6 | 21,2 | 4 |
| 5 | 70,5 | 70,0 | 43,5 | 43,0 | 27,0 | 26,5 | 5 |
| 6 | 84,6 | 84,0 | 52,2 | 51,6 | 32,4 | 31,8 | 6 |
| 7 | 98,7 | 98,0 | 60,9 | 60,2 | 37,8 | 37,1 | 7 |
| 8 | 112,8 | 112,0 | 69,6 | 68,8 | 43,2 | 42,4 | 8 |
| 9 | 126,9 | 126,0 | 78,3 | 77,4 | 48,6 | 47,7 | 9 |

| 42g | 87 | 141 | 141 | 53 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.89** | **0.10** | **9.89** | |
| **50 oo** | 17566 | 67116 | 32884 | 50450 | **50 oo** |
| 10 | 17652 | 67256 | 32744 | 50396 | 90 |
| 20 | 17739 | 67397 | 32603 | 50342 | 80 |
| 30 | 17825 | 67537 | 32463 | 50288 | 70 |
| 40 | 17912 | 67677 | 32323 | 50234 | 60 |
| 50 | 17998 | 67818 | 32182 | 50181 | 50 |
| 60 | 18085 | 67958 | 32042 | 50127 | 40 |
| 70 | 18171 | 68098 | 31902 | 50073 | 30 |
| 80 | 18258 | 68238 | 31762 | 50019 | 20 |
| 90 | 18344 | 68379 | 31621 | 49966 | 10 |
| **51 oo** | 18431 | 68519 | 31481 | 49912 | **49 oo** |
| 10 | 18517 | 68659 | 31341 | 49858 | 90 |
| 20 | 18604 | 68800 | 31200 | 49804 | 80 |
| 30 | 18690 | 68940 | 31060 | 49750 | 70 |
| 40 | 18777 | 69080 | 30920 | 49697 | 60 |
| 50 | 18863 | 69221 | 30779 | 49643 | 50 |
| 60 | 18950 | 69361 | 30639 | 49589 | 40 |
| 70 | 19036 | 69501 | 30499 | 49535 | 30 |
| 80 | 19123 | 69641 | 30359 | 49481 | 20 |
| 90 | 19209 | 69782 | 30218 | 49427 | 10 |
| **52 oo** | 19296 | 69922 | 30078 | 49374 | **48 oo** |
| 10 | 19382 | 70062 | 29938 | 49320 | 90 |
| 20 | 19469 | 70203 | 29797 | 49266 | 80 |
| 30 | 19555 | 70343 | 29657 | 49212 | 70 |
| 40 | 19642 | 70483 | 29517 | 49158 | 60 |
| 50 | 19728 | 70624 | 29376 | 49105 | 50 |
| 60 | 19815 | 70764 | 29236 | 49051 | 40 |
| 70 | 19901 | 70904 | 29096 | 48997 | 30 |
| 80 | 19987 | 71044 | 28956 | 48943 | 20 |
| 90 | 20074 | 71185 | 28815 | 48889 | 10 |
| **53 oo** | 20160 | 71325 | 28675 | 48835 | **47 oo** |
| 10 | 20247 | 71465 | 28535 | 48782 | 90 |
| 20 | 20333 | 71606 | 28394 | 48728 | 80 |
| 30 | 20420 | 71746 | 28254 | 48674 | 70 |
| 40 | 20506 | 71886 | 28114 | 48620 | 60 |
| 50 | 20593 | 72026 | 27974 | 48566 | 50 |
| 60 | 20679 | 72167 | 27833 | 48512 | 40 |
| 70 | 20765 | 72307 | 27693 | 48459 | 30 |
| 80 | 20852 | 72447 | 27553 | 48405 | 20 |
| 90 | 20938 | 72587 | 27413 | 48351 | 10 |
| **54 oo** | 21025 | 72728 | 27272 | 48297 | **46 oo** |
| 10 | 21111 | 72868 | 27132 | 48243 | 90 |
| 20 | 21198 | 73008 | 26992 | 48189 | 80 |
| 30 | 21284 | 73149 | 26851 | 48135 | 70 |
| 40 | 21370 | 73289 | 26711 | 48082 | 60 |
| 50 | 21457 | 73429 | 26571 | 48028 | 50 |
| 60 | 21543 | 73569 | 26431 | 47974 | 40 |
| 70 | 21630 | 73710 | 26290 | 47920 | 30 |
| 80 | 21716 | 73850 | 26150 | 47866 | 20 |
| 90 | 21802 | 73990 | 26010 | 47812 | 10 |
| **55 oo** | 21889 | 74130 | 25870 | 47758 | **45 oo** |
| | **9.79** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 86 | 140 | 140 | 54 | |

| 42g | 87 | 141 | 141 | 53 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.89** | **0.10** | **9.89** | |
| **55 oo** | 21889 | 74130 | 25870 | 47758 | **45 oo** |
| 10 | 21975 | 74271 | 25729 | 47705 | 90 |
| 20 | 22062 | 74411 | 25589 | 47651 | 80 |
| 30 | 22148 | 74551 | 25449 | 47597 | 70 |
| 40 | 22234 | 74691 | 25309 | 47543 | 60 |
| 50 | 22321 | 74832 | 25168 | 47489 | 50 |
| 60 | 22407 | 74972 | 25028 | 47435 | 40 |
| 70 | 22494 | 75112 | 24888 | 47381 | 30 |
| 80 | 22580 | 75252 | 24748 | 47327 | 20 |
| 90 | 22666 | 75393 | 24607 | 47274 | 10 |
| **56 oo** | 22753 | 75533 | 24467 | 47220 | **44 oo** |
| 10 | 22839 | 75673 | 24327 | 47166 | 90 |
| 20 | 22925 | 75813 | 24187 | 47112 | 80 |
| 30 | 23012 | 75954 | 24046 | 47058 | 70 |
| 40 | 23098 | 76094 | 23906 | 47004 | 60 |
| 50 | 23184 | 76234 | 23766 | 46950 | 50 |
| 60 | 23271 | 76374 | 23626 | 46896 | 40 |
| 70 | 23357 | 76515 | 23485 | 46842 | 30 |
| 80 | 23444 | 76655 | 23345 | 46789 | 20 |
| 90 | 23530 | 76795 | 23205 | 46735 | 10 |
| **57 oo** | 23616 | 76935 | 23065 | 46681 | **43 oo** |
| 10 | 23703 | 77076 | 22924 | 46627 | 90 |
| 20 | 23789 | 77216 | 22784 | 46573 | 80 |
| 30 | 23875 | 77356 | 22644 | 46519 | 70 |
| 40 | 23962 | 77496 | 22504 | 46465 | 60 |
| 50 | 24048 | 77637 | 22363 | 46411 | 50 |
| 60 | 24134 | 77777 | 22223 | 46357 | 40 |
| 70 | 24221 | 77917 | 22083 | 46303 | 30 |
| 80 | 24307 | 78057 | 21943 | 46250 | 20 |
| 90 | 24393 | 78198 | 21802 | 46196 | 10 |
| **58 oo** | 24479 | 78338 | 21662 | 46142 | **42 oo** |
| 10 | 24566 | 78478 | 21522 | 46088 | 90 |
| 20 | 24652 | 78618 | 21382 | 46034 | 80 |
| 30 | 24738 | 78758 | 21242 | 45980 | 70 |
| 40 | 24825 | 78899 | 21101 | 45926 | 60 |
| 50 | 24911 | 79039 | 20961 | 45872 | 50 |
| 60 | 24997 | 79179 | 20821 | 45818 | 40 |
| 70 | 25084 | 79319 | 20681 | 45764 | 30 |
| 80 | 25170 | 79460 | 20540 | 45710 | 20 |
| 90 | 25256 | 79600 | 20400 | 45656 | 10 |
| **59 oo** | 25342 | 79740 | 20260 | 45602 | **41 oo** |
| 10 | 25429 | 79880 | 20120 | 45548 | 90 |
| 20 | 25515 | 80020 | 19980 | 45495 | 80 |
| 30 | 25601 | 80161 | 19839 | 45441 | 70 |
| 40 | 25688 | 80301 | 19699 | 45387 | 60 |
| 50 | 25774 | 80441 | 19559 | 45333 | 50 |
| 60 | 25860 | 80581 | 19419 | 45279 | 40 |
| 70 | 25946 | 80722 | 19278 | 45225 | 30 |
| 80 | 26033 | 80862 | 19138 | 45171 | 20 |
| 90 | 26119 | 81002 | 18998 | 45117 | 10 |
| **60 oo** | 26205 | 81142 | 18858 | 45063 | **40 oo** |
| | **9.79** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 86 | 140 | 140 | 54 | |

| | 141 | 140 | 87 | 86 | 54 | 53 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,1 | 14,0 | 8,7 | 8,6 | 5,4 | 5,3 | 1 |
| 2 | 28,2 | 28,0 | 17,4 | 17,2 | 10,8 | 10,6 | 2 |
| 3 | 42,3 | 42,0 | 26,1 | 25,8 | 16,2 | 15,9 | 3 |
| 4 | 56,4 | 56,0 | 34,8 | 34,4 | 21,6 | 21,2 | 4 |
| 5 | 70,5 | 70,0 | 43,5 | 43,0 | 27,0 | 26,5 | 5 |
| 6 | 84,6 | 84,0 | 52,2 | 51,6 | 32,4 | 31,8 | 6 |
| 7 | 98,7 | 98,0 | 60,9 | 60,2 | 37,8 | 37,1 | 7 |
| 8 | 112,8 | 112,0 | 69,6 | 68,8 | 43,2 | 42,4 | 8 |
| 9 | 126,9 | 126,0 | 78,3 | 77,4 | 48,6 | 47,7 | 9 |

| 42g | 87 | 141 | 141 | 53 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.89** | **0.10** | **9.89** | |
| **60 oo** | 26205 | 81142 | 18858 | 45063 | **40 oo** |
| 10 | 26291 | 81282 | 18718 | 45009 | 90 |
| 20 | 26378 | 81423 | 18577 | 44955 | 80 |
| 30 | 26464 | 81563 | 18437 | 44901 | 70 |
| 40 | 26550 | 81703 | 18297 | 44847 | 60 |
| 50 | 26636 | 81843 | 18157 | 44793 | 50 |
| 60 | 26723 | 81983 | 18017 | 44739 | 40 |
| 70 | 26809 | 82124 | 17876 | 44685 | 30 |
| 80 | 26895 | 82264 | 17736 | 44631 | 20 |
| 90 | 26981 | 82404 | 17596 | 44577 | 10 |
| **61 oo** | 27068 | 82544 | 17456 | 44523 | **39 oo** |
| 10 | 27154 | 82684 | 17316 | 44469 | 90 |
| 20 | 27240 | 82825 | 17175 | 44415 | 80 |
| 30 | 27326 | 82965 | 17035 | 44361 | 70 |
| 40 | 27412 | 83105 | 16895 | 44307 | 60 |
| 50 | 27499 | 83245 | 16755 | 44253 | 50 |
| 60 | 27585 | 83385 | 16615 | 44199 | 40 |
| 70 | 27671 | 83526 | 16474 | 44146 | 30 |
| 80 | 27757 | 83666 | 16334 | 44092 | 20 |
| 90 | 27844 | 83806 | 16194 | 44038 | 10 |
| **62 oo** | 27930 | 83946 | 16054 | 43984 | **38 oo** |
| 10 | 28016 | 84086 | 15914 | 43930 | 90 |
| 20 | 28102 | 84227 | 15773 | 43876 | 80 |
| 30 | 28188 | 84367 | 15633 | 43822 | 70 |
| 40 | 28274 | 84507 | 15493 | 43768 | 60 |
| 50 | 28361 | 84647 | 15353 | 43714 | 50 |
| 60 | 28447 | 84787 | 15213 | 43660 | 40 |
| 70 | 28533 | 84927 | 15073 | 43606 | 30 |
| 80 | 28619 | 85068 | 14932 | 43552 | 20 |
| 90 | 28705 | 85208 | 14792 | 43498 | 10 |
| **63 oo** | 28792 | 85348 | 14652 | 43444 | **37 oo** |
| 10 | 28878 | 85488 | 14512 | 43390 | 90 |
| 20 | 28964 | 85628 | 14372 | 43336 | 80 |
| 30 | 29050 | 85769 | 14231 | 43282 | 70 |
| 40 | 29136 | 85909 | 14091 | 43228 | 60 |
| 50 | 29222 | 86049 | 13951 | 43174 | 50 |
| 60 | 29309 | 86189 | 13811 | 43120 | 40 |
| 70 | 29395 | 86329 | 13671 | 43066 | 30 |
| 80 | 29481 | 86469 | 13531 | 43011 | 20 |
| 90 | 29567 | 86610 | 13390 | 42957 | 10 |
| **64 oo** | 29653 | 86750 | 13250 | 42903 | **36 oo** |
| 10 | 29739 | 86890 | 13110 | 42849 | 90 |
| 20 | 29825 | 87030 | 12970 | 42795 | 80 |
| 30 | 29912 | 87170 | 12830 | 42741 | 70 |
| 40 | 29998 | 87310 | 12690 | 42687 | 60 |
| 50 | 30084 | 87451 | 12549 | 42633 | 50 |
| 60 | 30170 | 87591 | 12409 | 42579 | 40 |
| 70 | 30256 | 87731 | 12269 | 42525 | 30 |
| 80 | 30342 | 87871 | 12129 | 42471 | 20 |
| 90 | 30428 | 88011 | 11989 | 42417 | 10 |
| **65 oo** | 30514 | 88151 | 11849 | 42363 | **35 oo** |
| | **9.79** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 86 | 140 | 140 | 55 | |

| 42g | 87 | 141 | 141 | 54 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.89** | **0.10** | **9.89** | |
| **65 oo** | 30514 | 88151 | 11849 | 42363 | **35 oo** |
| 10 | 30601 | 88292 | 11708 | 42309 | 90 |
| 20 | 30687 | 88432 | 11568 | 42255 | 80 |
| 30 | 30773 | 88572 | 11428 | 42201 | 70 |
| 40 | 30859 | 88712 | 11288 | 42147 | 60 |
| 50 | 30945 | 88852 | 11148 | 42093 | 50 |
| 60 | 31031 | 88992 | 11008 | 42039 | 40 |
| 70 | 31117 | 89132 | 10868 | 41985 | 30 |
| 80 | 31203 | 89273 | 10727 | 41931 | 20 |
| 90 | 31289 | 89413 | 10587 | 41877 | 10 |
| **66 oo** | 31376 | 89553 | 10447 | 41823 | **34 oo** |
| 10 | 31462 | 89693 | 10307 | 41769 | 90 |
| 20 | 31548 | 89833 | 10167 | 41715 | 80 |
| 30 | 31634 | 89973 | 10027 | 41660 | 70 |
| 40 | 31720 | 90113 | 09887 | 41606 | 60 |
| 50 | 31806 | 90254 | 09746 | 41552 | 50 |
| 60 | 31892 | 90394 | 09606 | 41498 | 40 |
| 70 | 31978 | 90534 | 09466 | 41444 | 30 |
| 80 | 32064 | 90674 | 09326 | 41390 | 20 |
| 90 | 32150 | 90814 | 09186 | 41336 | 10 |
| **67 oo** | 32236 | 90954 | 09046 | 41282 | **33 oo** |
| 10 | 32322 | 91094 | 08906 | 41228 | 90 |
| 20 | 32408 | 91235 | 08765 | 41174 | 80 |
| 30 | 32494 | 91375 | 08625 | 41120 | 70 |
| 40 | 32580 | 91515 | 08485 | 41066 | 60 |
| 50 | 32667 | 91655 | 08345 | 41012 | 50 |
| 60 | 32753 | 91795 | 08205 | 40957 | 40 |
| 70 | 32839 | 91935 | 08065 | 40903 | 30 |
| 80 | 32925 | 92075 | 07925 | 40849 | 20 |
| 90 | 33011 | 92215 | 07785 | 40795 | 10 |
| **68 oo** | 33097 | 92356 | 07644 | 40741 | **32 oo** |
| 10 | 33183 | 92496 | 07504 | 40687 | 90 |
| 20 | 33269 | 92636 | 07364 | 40633 | 80 |
| 30 | 33355 | 92776 | 07224 | 40579 | 70 |
| 40 | 33441 | 92916 | 07084 | 40525 | 60 |
| 50 | 33527 | 93056 | 06944 | 40471 | 50 |
| 60 | 33613 | 93196 | 06804 | 40417 | 40 |
| 70 | 33699 | 93336 | 06664 | 40362 | 30 |
| 80 | 33785 | 93477 | 06523 | 40308 | 20 |
| 90 | 33871 | 93617 | 06383 | 40254 | 10 |
| **69 oo** | 33957 | 93757 | 06243 | 40200 | **31 oo** |
| 10 | 34043 | 93897 | 06103 | 40146 | 90 |
| 20 | 34129 | 94037 | 05963 | 40092 | 80 |
| 30 | 34215 | 94177 | 05823 | 40038 | 70 |
| 40 | 34301 | 94317 | 05683 | 39984 | 60 |
| 50 | 34387 | 94457 | 05543 | 39930 | 50 |
| 60 | 34473 | 94598 | 05402 | 39875 | 40 |
| 70 | 34559 | 94738 | 05262 | 39821 | 30 |
| 80 | 34645 | 94878 | 05122 | 39767 | 20 |
| 90 | 34731 | 95018 | 04982 | 39713 | 10 |
| **70 oo** | 34817 | 95158 | 04842 | 39659 | **30 oo** |
| | **9.79** | **9.89** | **0.10** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 86 | 140 | 140 | 55 | |

| | 141 | 140 | 87 | 86 | 55 | 54 | 53 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,1 | 14,0 | 8,7 | 8,6 | 5,5 | 5,4 | 5,3 | 1 |
| 2 | 28,2 | 28,0 | 17,4 | 17,2 | 11,0 | 10,8 | 10,6 | 2 |
| 3 | 42,3 | 42,0 | 26,1 | 25,8 | 16,5 | 16,2 | 15,9 | 3 |
| 4 | 56,4 | 56,0 | 34,8 | 34,4 | 22,0 | 21,6 | 21,2 | 4 |
| 5 | 70,5 | 70,0 | 43,5 | 43,0 | 27,5 | 27,0 | 26,5 | 5 |
| 6 | 84,6 | 84,0 | 52,2 | 51,6 | 33,0 | 32,4 | 31,8 | 6 |
| 7 | 98,7 | 98,0 | 60,9 | 60,2 | 38,5 | 37,8 | 37,1 | 7 |
| 8 | 112,8 | 112,0 | 69,6 | 68,8 | 44,0 | 43,2 | 42,4 | 8 |
| 9 | 126,9 | 126,0 | 78,3 | 77,4 | 49,5 | 48,6 | 47,7 | 9 |

| 42g | 86 | 141 | 141 | 54 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.89** | **0.10** | **9.89** | |
| **70 oo** | 34817 | 95158 | 04842 | 39659 | **30 oo** |
| 10 | 34903 | 95298 | 04702 | 39605 | 90 |
| 20 | 34989 | 95438 | 04562 | 39551 | 80 |
| 30 | 35075 | 95578 | 04422 | 39497 | 70 |
| 40 | 35161 | 95718 | 04282 | 39442 | 60 |
| 50 | 35247 | 95858 | 04142 | 39388 | 50 |
| 60 | 35333 | 95999 | 04001 | 39334 | 40 |
| 70 | 35419 | 96139 | 03861 | 39280 | 30 |
| 80 | 35505 | 96279 | 03721 | 39226 | 20 |
| 90 | 35591 | 96419 | 03581 | 39172 | 10 |
| **71 oo** | 35677 | 96559 | 03441 | 39118 | **29 oo** |
| 10 | 35762 | 96699 | 03301 | 39063 | 90 |
| 20 | 35848 | 96839 | 03161 | 39009 | 80 |
| 30 | 35934 | 96979 | 03021 | 38955 | 70 |
| 40 | 36020 | 97119 | 02881 | 38901 | 60 |
| 50 | 36106 | 97259 | 02741 | 38847 | 50 |
| 60 | 36192 | 97399 | 02601 | 38793 | 40 |
| 70 | 36278 | 97540 | 02460 | 38738 | 30 |
| 80 | 36364 | 97680 | 02320 | 38684 | 20 |
| 90 | 36450 | 97820 | 02180 | 38630 | 10 |
| **72 oo** | 36536 | 97960 | 02040 | 38576 | **28 oo** |
| 10 | 36622 | 98100 | 01900 | 38522 | 90 |
| 20 | 36708 | 98240 | 01760 | 38468 | 80 |
| 30 | 36794 | 98380 | 01620 | 38414 | 70 |
| 40 | 36880 | 98520 | 01480 | 38359 | 60 |
| 50 | 36965 | 98660 | 01340 | 38305 | 50 |
| 60 | 37051 | 98800 | 01200 | 38251 | 40 |
| 70 | 37137 | 98940 | 01060 | 38197 | 30 |
| 80 | 37223 | 99081 | 00919 | 38143 | 20 |
| 90 | 37309 | 99221 | 00779 | 38088 | 10 |
| **73 oo** | 37395 | 99361 | 00639 | 38034 | **27 oo** |
| 10 | 37481 | 99501 | 00499 | 37980 | 90 |
| 20 | 37567 | 99641 | 00359 | 37926 | 80 |
| 30 | 37653 | 99781 | 00219 | 37872 | 70 |
| 40 | 37739 | 99921 | 00079 | 37818 | 60 |
| 50 | 37824 | *00061 | *99939 | 37763 | 50 |
| 60 | 37910 | *00201 | *99799 | 37709 | 40 |
| 70 | 37996 | *00341 | *99659 | 37655 | 30 |
| 80 | 38082 | *00481 | *99519 | 37601 | 20 |
| 90 | 38168 | *00621 | *99379 | 37547 | 10 |
| **74 oo** | 38254 | *00761 | *99239 | 37492 | **26 oo** |
| 10 | 38340 | *00901 | *99099 | 37438 | 90 |
| 20 | 38425 | *01041 | *98959 | 37384 | 80 |
| 30 | 38511 | *01182 | *98818 | 37330 | 70 |
| 40 | 38597 | *01322 | *98678 | 37276 | 60 |
| 50 | 38683 | *01462 | *98538 | 37221 | 50 |
| 60 | 38769 | *01602 | *98398 | 37167 | 40 |
| 70 | 38855 | *01742 | *98258 | 37113 | 30 |
| 80 | 38941 | *01882 | *98118 | 37059 | 20 |
| 90 | 39026 | *02022 | *97978 | 37005 | 10 |
| **75 oo** | 39112 | *02162 | *97838 | 36950 | **25 oo** |
| | **9.79** | ***9.90** | ***0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 85 | 140 | 140 | 55 | |

| 42g | 86 | 141 | 141 | 54 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **75 oo** | 39112 | 02162 | 97838 | 36950 | **25 oo** |
| 10 | 39198 | 02302 | 97698 | 36896 | 90 |
| 20 | 39284 | 02442 | 97558 | 36842 | 80 |
| 30 | 39370 | 02582 | 97418 | 36788 | 70 |
| 40 | 39456 | 02722 | 97278 | 36733 | 60 |
| 50 | 39541 | 02862 | 97138 | 36679 | 50 |
| 60 | 39627 | 03002 | 96998 | 36625 | 40 |
| 70 | 39713 | 03142 | 96858 | 36571 | 30 |
| 80 | 39799 | 03282 | 96718 | 36517 | 20 |
| 90 | 39885 | 03422 | 96578 | 36462 | 10 |
| **76 oo** | 39971 | 03562 | 96438 | 36408 | **24 oo** |
| 10 | 40056 | 03702 | 96298 | 36354 | 90 |
| 20 | 40142 | 03843 | 96157 | 36300 | 80 |
| 30 | 40228 | 03983 | 96017 | 36245 | 70 |
| 40 | 40314 | 04123 | 95877 | 36191 | 60 |
| 50 | 40400 | 04263 | 95737 | 36137 | 50 |
| 60 | 40485 | 04403 | 95597 | 36083 | 40 |
| 70 | 40571 | 04543 | 95457 | 36028 | 30 |
| 80 | 40657 | 04683 | 95317 | 35974 | 20 |
| 90 | 40743 | 04823 | 95177 | 35920 | 10 |
| **77 oo** | 40829 | 04963 | 95037 | 35866 | **23 oo** |
| 10 | 40914 | 05103 | 94897 | 35811 | 90 |
| 20 | 41000 | 05243 | 94757 | 35757 | 80 |
| 30 | 41086 | 05383 | 94617 | 35703 | 70 |
| 40 | 41172 | 05523 | 94477 | 35649 | 60 |
| 50 | 41257 | 05663 | 94337 | 35594 | 50 |
| 60 | 41343 | 05803 | 94197 | 35540 | 40 |
| 70 | 41429 | 05943 | 94057 | 35486 | 30 |
| 80 | 41515 | 06083 | 93917 | 35432 | 20 |
| 90 | 41600 | 06223 | 93777 | 35377 | 10 |
| **78 oo** | 41686 | 06363 | 93637 | 35323 | **22 oo** |
| 10 | 41772 | 06503 | 93497 | 35269 | 90 |
| 20 | 41858 | 06643 | 93357 | 35215 | 80 |
| 30 | 41944 | 06783 | 93217 | 35160 | 70 |
| 40 | 42029 | 06923 | 93077 | 35106 | 60 |
| 50 | 42115 | 07063 | 92937 | 35052 | 50 |
| 60 | 42201 | 07203 | 92797 | 34997 | 40 |
| 70 | 42286 | 07343 | 92657 | 34943 | 30 |
| 80 | 42372 | 07483 | 92517 | 34889 | 20 |
| 90 | 42458 | 07623 | 92377 | 34835 | 10 |
| **79 oo** | 42544 | 07763 | 92237 | 34780 | **21 oo** |
| 10 | 42629 | 07903 | 92097 | 34726 | 90 |
| 20 | 42715 | 08043 | 91957 | 34672 | 80 |
| 30 | 42801 | 08183 | 91817 | 34617 | 70 |
| 40 | 42887 | 08323 | 91677 | 34563 | 60 |
| 50 | 42972 | 08463 | 91537 | 34509 | 50 |
| 60 | 43058 | 08603 | 91397 | 34455 | 40 |
| 70 | 43144 | 08743 | 91257 | 34400 | 30 |
| 80 | 43229 | 08883 | 91117 | 34346 | 20 |
| 90 | 43315 | 09023 | 90977 | 34292 | 10 |
| **80 oo** | 43401 | 09163 | 90837 | 34237 | **20 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 85 | 140 | 140 | 55 | |

| | 141 | 140 | 86 | 85 | 55 | 54 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,1 | 14,0 | 8,6 | 8,5 | 5,5 | 5,4 | 1 |
| 2 | 28,2 | 28,0 | 17,2 | 17,0 | 11,0 | 10,8 | 2 |
| 3 | 42,3 | 42,0 | 25,8 | 25,5 | 16,5 | 16,2 | 3 |
| 4 | 56,4 | 56,0 | 34,4 | 34,0 | 22,0 | 21,6 | 4 |
| 5 | 70,5 | 70,0 | 43,0 | 42,5 | 27,5 | 27,0 | 5 |
| 6 | 84,6 | 84,0 | 51,6 | 51,0 | 33,0 | 32,4 | 6 |
| 7 | 98,7 | 98,0 | 60,2 | 59,5 | 38,5 | 37,8 | 7 |
| 8 | 112,8 | 112,0 | 68,8 | 68,0 | 44,0 | 43,2 | 8 |
| 9 | 126,9 | 126,0 | 77,4 | 76,5 | 49,5 | 48,6 | 9 |

| $42^g$ | 86 | 140 | 140 | 54 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **80 oo** | 43401 | 09163 | 90837 | 34237 | **20 oo** |
| 10 | 43487 | 09303 | 90697 | 34183 | 90 |
| 20 | 43572 | 09443 | 90557 | 34129 | 80 |
| 30 | 43658 | 09583 | 90417 | 34074 | 70 |
| 40 | 43744 | 09723 | 90277 | 34020 | 60 |
| 50 | 43829 | 09863 | 90137 | 33966 | 50 |
| 60 | 43915 | 10003 | 89997 | 33912 | 40 |
| 70 | 44001 | 10143 | 89857 | 33857 | 30 |
| 80 | 44086 | 10283 | 89717 | 33803 | 20 |
| 90 | 44172 | 10423 | 89577 | 33749 | 10 |
| **81 oo** | 44258 | 10563 | 89437 | 33694 | **19 oo** |
| 10 | 44343 | 10703 | 89297 | 33640 | 90 |
| 20 | 44429 | 10843 | 89157 | 33586 | 80 |
| 30 | 44515 | 10983 | 89017 | 33531 | 70 |
| 40 | 44600 | 11123 | 88877 | 33477 | 60 |
| 50 | 44686 | 11263 | 88737 | 33423 | 50 |
| 60 | 44772 | 11403 | 88597 | 33368 | 40 |
| 70 | 44857 | 11543 | 88457 | 33314 | 30 |
| 80 | 44943 | 11683 | 88317 | 33260 | 20 |
| 90 | 45029 | 11823 | 88177 | 33205 | 10 |
| **82 oo** | 45114 | 11963 | 88037 | 33151 | **18 oo** |
| 10 | 45200 | 12103 | 87897 | 33097 | 90 |
| 20 | 45286 | 12243 | 87757 | 33042 | 80 |
| 30 | 45371 | 12383 | 87617 | 32988 | 70 |
| 40 | 45457 | 12523 | 87477 | 32934 | 60 |
| 50 | 45542 | 12663 | 87337 | 32879 | 50 |
| 60 | 45628 | 12803 | 87197 | 32825 | 40 |
| 70 | 45714 | 12943 | 87057 | 32771 | 30 |
| 80 | 45799 | 13083 | 86917 | 32716 | 20 |
| 90 | 45885 | 13223 | 86777 | 32662 | 10 |
| **83 oo** | 45971 | 13363 | 86637 | 32608 | **17 oo** |
| 10 | 46056 | 13503 | 86497 | 32553 | 90 |
| 20 | 46142 | 13643 | 86357 | 32499 | 80 |
| 30 | 46227 | 13783 | 86217 | 32444 | 70 |
| 40 | 46313 | 13923 | 86077 | 32390 | 60 |
| 50 | 46399 | 14063 | 85937 | 32336 | 50 |
| 60 | 46484 | 14203 | 85797 | 32281 | 40 |
| 70 | 46570 | 14343 | 85657 | 32227 | 30 |
| 80 | 46655 | 14483 | 85517 | 32173 | 20 |
| 90 | 46741 | 14623 | 85377 | 32118 | 10 |
| **84 oo** | 46827 | 14763 | 85237 | 32064 | **16 oo** |
| 10 | 46912 | 14903 | 85097 | 32010 | 90 |
| 20 | 46998 | 15043 | 84957 | 31955 | 80 |
| 30 | 47083 | 15183 | 84817 | 31901 | 70 |
| 40 | 47169 | 15323 | 84677 | 31846 | 60 |
| 50 | 47255 | 15463 | 84537 | 31792 | 50 |
| 60 | 47340 | 15603 | 84397 | 31738 | 40 |
| 70 | 47426 | 15742 | 84258 | 31683 | 30 |
| 80 | 47511 | 15882 | 84118 | 31629 | 20 |
| 90 | 47597 | 16022 | 83978 | 31574 | 10 |
| **85 oo** | 47682 | 16162 | 83838 | 31520 | **15 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | $57^g$ |
| | 85 | 139 | 139 | 55 | |

| $42^g$ | 86 | 140 | 140 | 54 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **85 oo** | 47682 | 16162 | 83838 | 31520 | **15 oo** |
| 10 | 47768 | 16302 | 83698 | 31466 | 90 |
| 20 | 47854 | 16442 | 83558 | 31411 | 80 |
| 30 | 47939 | 16582 | 83418 | 31357 | 70 |
| 40 | 48025 | 16722 | 83278 | 31303 | 60 |
| 50 | 48110 | 16862 | 83138 | 31248 | 50 |
| 60 | 48196 | 17002 | 82998 | 31194 | 40 |
| 70 | 48281 | 17142 | 82858 | 31139 | 30 |
| 80 | 48367 | 17282 | 82718 | 31085 | 20 |
| 90 | 48452 | 17422 | 82578 | 31031 | 10 |
| **86 oo** | 48538 | 17562 | 82438 | 30976 | **14 oo** |
| 10 | 48623 | 17702 | 82298 | 30922 | 90 |
| 20 | 48709 | 17842 | 82158 | 30867 | 80 |
| 30 | 48795 | 17982 | 82018 | 30813 | 70 |
| 40 | 48880 | 18122 | 81878 | 30758 | 60 |
| 50 | 48966 | 18262 | 81738 | 30704 | 50 |
| 60 | 49051 | 18401 | 81599 | 30650 | 40 |
| 70 | 49137 | 18541 | 81459 | 30595 | 30 |
| 80 | 49222 | 18681 | 81319 | 30541 | 20 |
| 90 | 49308 | 18821 | 81179 | 30486 | 10 |
| **87 oo** | 49393 | 18961 | 81039 | 30432 | **13 oo** |
| 10 | 49479 | 19101 | 80899 | 30378 | 90 |
| 20 | 49564 | 19241 | 80759 | 30323 | 80 |
| 30 | 49650 | 19381 | 80619 | 30269 | 70 |
| 40 | 49735 | 19521 | 80479 | 30214 | 60 |
| 50 | 49821 | 19661 | 80339 | 30160 | 50 |
| 60 | 49906 | 19801 | 80199 | 30105 | 40 |
| 70 | 49992 | 19941 | 80059 | 30051 | 30 |
| 80 | 50077 | 20081 | 79919 | 29996 | 20 |
| 90 | 50163 | 20221 | 79779 | 29942 | 10 |
| **88 oo** | 50248 | 20361 | 79639 | 29888 | **12 oo** |
| 10 | 50334 | 20500 | 79500 | 29833 | 90 |
| 20 | 50419 | 20640 | 79360 | 29779 | 80 |
| 30 | 50505 | 20780 | 79220 | 29724 | 70 |
| 40 | 50590 | 20920 | 79080 | 29670 | 60 |
| 50 | 50675 | 21060 | 78940 | 29615 | 50 |
| 60 | 50761 | 21200 | 78800 | 29561 | 40 |
| 70 | 50846 | 21340 | 78660 | 29506 | 30 |
| 80 | 50932 | 21480 | 78520 | 29452 | 20 |
| 90 | 51017 | 21620 | 78380 | 29398 | 10 |
| **89 oo** | 51103 | 21760 | 78240 | 29343 | **11 oo** |
| 10 | 51188 | 21900 | 78100 | 29289 | 90 |
| 20 | 51274 | 22040 | 77960 | 29234 | 80 |
| 30 | 51359 | 22179 | 77821 | 29180 | 70 |
| 40 | 51445 | 22319 | 77681 | 29125 | 60 |
| 50 | 51530 | 22459 | 77541 | 29071 | 50 |
| 60 | 51615 | 22599 | 77401 | 29016 | 40 |
| 70 | 51701 | 22739 | 77261 | 28962 | 30 |
| 80 | 51786 | 22879 | 77121 | 28907 | 20 |
| 90 | 51872 | 23019 | 76981 | 28853 | 10 |
| **90 oo** | 51957 | 23159 | 76841 | 28798 | **10 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | $57^g$ |
| | 85 | 139 | 139 | 55 | |

| | 140 | 139 | 86 | 85 | 55 | 54 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,0 | 13,9 | 8,6 | 8,5 | 5,5 | 5,4 | 1 |
| 2 | 28,0 | 27,8 | 17,2 | 17,0 | 11,0 | 10,8 | 2 |
| 3 | 42,0 | 41,7 | 25,8 | 25,5 | 16,5 | 16,2 | 3 |
| 4 | 56,0 | 55,6 | 34,4 | 34,0 | 22,0 | 21,6 | 4 |
| 5 | 70,0 | 69,5 | 43,0 | 42,5 | 27,5 | 27,0 | 5 |
| 6 | 84,0 | 83,4 | 51,6 | 51,0 | 33,0 | 32,4 | 6 |
| 7 | 98,0 | 97,3 | 60,2 | 59,5 | 38,5 | 37,8 | 7 |
| 8 | 112,0 | 111,2 | 68,8 | 68,0 | 44,0 | 43,2 | 8 |
| 9 | 126,0 | 125,1 | 77,4 | 76,5 | 49,5 | 48,6 | 9 |

| 42g | 86 | 140 | 140 | 54 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **90 oo** | 51957 | 23159 | 76841 | 28798 | **10 oo** |
| 10 | 52043 | 23299 | 76701 | 28744 | 90 |
| 20 | 52128 | 23439 | 76561 | 28689 | 80 |
| 30 | 52213 | 23578 | 76422 | 28635 | 70 |
| 40 | 52299 | 23718 | 76282 | 28580 | 60 |
| 50 | 52384 | 23858 | 76142 | 28526 | 50 |
| 60 | 52470 | 23998 | 76002 | 28471 | 40 |
| 70 | 52555 | 24138 | 75862 | 28417 | 30 |
| 80 | 52640 | 24278 | 75722 | 28363 | 20 |
| 90 | 52726 | 24418 | 75582 | 28308 | 10 |
| **91 oo** | 52811 | 24558 | 75442 | 28254 | **09 oo** |
| 10 | 52897 | 24698 | 75302 | 28199 | 90 |
| 20 | 52982 | 24838 | 75162 | 28145 | 80 |
| 30 | 53067 | 24977 | 75023 | 28090 | 70 |
| 40 | 53153 | 25117 | 74883 | 28036 | 60 |
| 50 | 53238 | 25257 | 74743 | 27981 | 50 |
| 60 | 53324 | 25397 | 74603 | 27927 | 40 |
| 70 | 53409 | 25537 | 74463 | 27872 | 30 |
| 80 | 53494 | 25677 | 74323 | 27818 | 20 |
| 90 | 53580 | 25817 | 74183 | 27763 | 10 |
| **92 oo** | 53665 | 25957 | 74043 | 27708 | **08 oo** |
| 10 | 53751 | 26097 | 73903 | 27654 | 90 |
| 20 | 53836 | 26236 | 73764 | 27599 | 80 |
| 30 | 53921 | 26376 | 73624 | 27545 | 70 |
| 40 | 54007 | 26516 | 73484 | 27490 | 60 |
| 50 | 54092 | 26656 | 73344 | 27436 | 50 |
| 60 | 54177 | 26796 | 73204 | 27381 | 40 |
| 70 | 54263 | 26936 | 73064 | 27327 | 30 |
| 80 | 54348 | 27076 | 72924 | 27272 | 20 |
| 90 | 54433 | 27216 | 72784 | 27218 | 10 |
| **93 oo** | 54519 | 27355 | 72645 | 27163 | **07 oo** |
| 10 | 54604 | 27495 | 72505 | 27109 | 90 |
| 20 | 54689 | 27635 | 72365 | 27054 | 80 |
| 30 | 54775 | 27775 | 72225 | 27000 | 70 |
| 40 | 54860 | 27915 | 72085 | 26945 | 60 |
| 50 | 54945 | 28055 | 71945 | 26891 | 50 |
| 60 | 55031 | 28195 | 71805 | 26836 | 40 |
| 70 | 55116 | 28335 | 71665 | 26782 | 30 |
| 80 | 55201 | 28474 | 71526 | 26727 | 20 |
| 90 | 55287 | 28614 | 71386 | 26672 | 10 |
| **94 oo** | 55372 | 28754 | 71246 | 26618 | **06 oo** |
| 10 | 55457 | 28894 | 71106 | 26563 | 90 |
| 20 | 55543 | 29034 | 70966 | 26509 | 80 |
| 30 | 55628 | 29174 | 70826 | 26454 | 70 |
| 40 | 55713 | 29314 | 70686 | 26400 | 60 |
| 50 | 55799 | 29453 | 70547 | 26345 | 50 |
| 60 | 55884 | 29593 | 70407 | 26291 | 40 |
| 70 | 55969 | 29733 | 70267 | 26236 | 30 |
| 80 | 56054 | 29873 | 70127 | 26181 | 20 |
| 90 | 56140 | 30013 | 69987 | 26127 | 10 |
| **95 oo** | 56225 | 30153 | 69847 | 26072 | **05 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 85 | 139 | 139 | 55 | |

| 42g | 86 | 140 | 140 | 54 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **95 oo** | 56225 | 30153 | 69847 | 26072 | **05 oo** |
| 10 | 56310 | 30293 | 69707 | 26018 | 90 |
| 20 | 56396 | 30432 | 69568 | 25963 | 80 |
| 30 | 56481 | 30572 | 69428 | 25909 | 70 |
| 40 | 56566 | 30712 | 69288 | 25854 | 60 |
| 50 | 56651 | 30852 | 69148 | 25799 | 50 |
| 60 | 56737 | 30992 | 69008 | 25745 | 40 |
| 70 | 56822 | 31132 | 68868 | 25690 | 30 |
| 80 | 56907 | 31272 | 68728 | 25636 | 20 |
| 90 | 56992 | 31411 | 68589 | 25581 | 10 |
| **96 oo** | 57078 | 31551 | 68449 | 25527 | **04 oo** |
| 10 | 57163 | 31691 | 68309 | 25472 | 90 |
| 20 | 57248 | 31831 | 68169 | 25417 | 80 |
| 30 | 57334 | 31971 | 68029 | 25363 | 70 |
| 40 | 57419 | 32111 | 67889 | 25308 | 60 |
| 50 | 57504 | 32250 | 67750 | 25254 | 50 |
| 60 | 57589 | 32390 | 67610 | 25199 | 40 |
| 70 | 57675 | 32530 | 67470 | 25144 | 30 |
| 80 | 57760 | 32670 | 67330 | 25090 | 20 |
| 90 | 57845 | 32810 | 67190 | 25035 | 10 |
| **97 oo** | 57930 | 32950 | 67050 | 24981 | **03 oo** |
| 10 | 58015 | 33089 | 66911 | 24926 | 90 |
| 20 | 58101 | 33229 | 66771 | 24871 | 80 |
| 30 | 58186 | 33369 | 66631 | 24817 | 70 |
| 40 | 58271 | 33509 | 66491 | 24762 | 60 |
| 50 | 58356 | 33649 | 66351 | 24708 | 50 |
| 60 | 58442 | 33789 | 66211 | 24653 | 40 |
| 70 | 58527 | 33928 | 66072 | 24598 | 30 |
| 80 | 58612 | 34068 | 65932 | 24544 | 20 |
| 90 | 58697 | 34208 | 65792 | 24489 | 10 |
| **98 oo** | 58782 | 34348 | 65652 | 24435 | **02 oo** |
| 10 | 58868 | 34488 | 65512 | 24380 | 90 |
| 20 | 58953 | 34628 | 65372 | 24325 | 80 |
| 30 | 59038 | 34767 | 65233 | 24271 | 70 |
| 40 | 59123 | 34907 | 65093 | 24216 | 60 |
| 50 | 59208 | 35047 | 64953 | 24161 | 50 |
| 60 | 59294 | 35187 | 64813 | 24107 | 40 |
| 70 | 59379 | 35327 | 64673 | 24052 | 30 |
| 80 | 59464 | 35466 | 64534 | 23998 | 20 |
| 90 | 59549 | 35606 | 64394 | 23943 | 10 |
| **99 oo** | 59634 | 35746 | 64254 | 23888 | **01 oo** |
| 10 | 59720 | 35886 | 64114 | 23834 | 90 |
| 20 | 59805 | 36026 | 63974 | 23779 | 80 |
| 30 | 59890 | 36166 | 63834 | 23724 | 70 |
| 40 | 59975 | 36305 | 63695 | 23670 | 60 |
| 50 | 60060 | 36445 | 63555 | 23615 | 50 |
| 60 | 60145 | 36585 | 63415 | 23560 | 40 |
| 70 | 60231 | 36725 | 63275 | 23506 | 30 |
| 80 | 60316 | 36865 | 63135 | 23451 | 20 |
| 90 | 60401 | 37004 | 62996 | 23396 | 10 |
| **100 oo** | 60486 | 37144 | 62856 | 23342 | **00 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **57g** |
| | 85 | 139 | 139 | 55 | |

| | 140 | 139 | 86 | 85 | 55 | 54 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,0 | 13,9 | 8,6 | 8,5 | 5,5 | 5,4 | 1 |
| 2 | 28,0 | 27,8 | 17,2 | 17,0 | 11,0 | 10,8 | 2 |
| 3 | 42,0 | 41,7 | 25,8 | 25,5 | 16,5 | 16,2 | 3 |
| 4 | 56,0 | 55,6 | 34,4 | 34,0 | 22,0 | 21,6 | 4 |
| 5 | 70,0 | 69,5 | 43,0 | 42,5 | 27,5 | 27,0 | 5 |
| 6 | 84,0 | 83,4 | 51,6 | 51,0 | 33,0 | 32,4 | 6 |
| 7 | 98,0 | 97,3 | 60,2 | 59,5 | 38,5 | 37,8 | 7 |
| 8 | 112,0 | 111,2 | 68,8 | 68,0 | 44,0 | 43,2 | 8 |
| 9 | 126,0 | 125,1 | 77,4 | 76,5 | 49,5 | 48,6 | 9 |

| 43g | 86 | 140 | 140 | 54 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **00 oo** | 60486 | 37144 | 62856 | 23342 | **100 oo** |
| 10 | 60571 | 37284 | 62716 | 23287 | 90 |
| 20 | 60656 | 37424 | 62576 | 23233 | 80 |
| 30 | 60741 | 37564 | 62436 | 23178 | 70 |
| 40 | 60827 | 37703 | 62297 | 23123 | 60 |
| 50 | 60912 | 37843 | 62157 | 23069 | 50 |
| 60 | 60997 | 37983 | 62017 | 23014 | 40 |
| 70 | 61082 | 38123 | 61877 | 22959 | 30 |
| 80 | 61167 | 38263 | 61737 | 22905 | 20 |
| 90 | 61252 | 38402 | 61598 | 22850 | 10 |
| **01 oo** | 61337 | 38542 | 61458 | 22795 | **99 oo** |
| 10 | 61422 | 38682 | 61318 | 22741 | 90 |
| 20 | 61508 | 38822 | 61178 | 22686 | 80 |
| 30 | 61593 | 38962 | 61038 | 22631 | 70 |
| 40 | 61678 | 39101 | 60899 | 22576 | 60 |
| 50 | 61763 | 39241 | 60759 | 22522 | 50 |
| 60 | 61848 | 39381 | 60619 | 22467 | 40 |
| 70 | 61933 | 39521 | 60479 | 22412 | 30 |
| 80 | 62018 | 39660 | 60340 | 22358 | 20 |
| 90 | 62103 | 39800 | 60200 | 22303 | 10 |
| **02 oo** | 62188 | 39940 | 60060 | 22248 | **98 oo** |
| 10 | 62274 | 40080 | 59920 | 22194 | 90 |
| 20 | 62359 | 40220 | 59780 | 22139 | 80 |
| 30 | 62444 | 40359 | 59641 | 22084 | 70 |
| 40 | 62529 | 40499 | 59501 | 22030 | 60 |
| 50 | 62614 | 40639 | 59361 | 21975 | 50 |
| 60 | 62699 | 40779 | 59221 | 21920 | 40 |
| 70 | 62784 | 40919 | 59081 | 21866 | 30 |
| 80 | 62869 | 41058 | 58942 | 21811 | 20 |
| 90 | 62954 | 41198 | 58802 | 21756 | 10 |
| **03 oo** | 63039 | 41338 | 58662 | 21701 | **97 oo** |
| 10 | 63124 | 41478 | 58522 | 21647 | 90 |
| 20 | 63209 | 41617 | 58383 | 21592 | 80 |
| 30 | 63294 | 41757 | 58243 | 21537 | 70 |
| 40 | 63380 | 41897 | 58103 | 21483 | 60 |
| 50 | 63465 | 42037 | 57963 | 21428 | 50 |
| 60 | 63550 | 42177 | 57823 | 21373 | 40 |
| 70 | 63635 | 42316 | 57684 | 21318 | 30 |
| 80 | 63720 | 42456 | 57544 | 21264 | 20 |
| 90 | 63805 | 42596 | 57404 | 21209 | 10 |
| **04 oo** | 63890 | 42736 | 57264 | 21154 | **96 oo** |
| 10 | 63975 | 42875 | 57125 | 21100 | 90 |
| 20 | 64060 | 43015 | 56985 | 21045 | 80 |
| 30 | 64145 | 43155 | 56845 | 20990 | 70 |
| 40 | 64230 | 43295 | 56705 | 20935 | 60 |
| 50 | 64315 | 43434 | 56566 | 20881 | 50 |
| 60 | 64400 | 43574 | 56426 | 20826 | 40 |
| 70 | 64485 | 43714 | 56286 | 20771 | 30 |
| 80 | 64570 | 43854 | 56146 | 20716 | 20 |
| 90 | 64655 | 43993 | 56007 | 20662 | 10 |
| **05 oo** | 64740 | 44133 | 55867 | 20607 | **95 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **56g** |
| | 85 | 139 | 139 | 55 | |

| 43g | 85 | 140 | 140 | 54 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **05 oo** | 64740 | 44133 | 55867 | 20607 | **95 oo** |
| 10 | 64825 | 44273 | 55727 | 20552 | 90 |
| 20 | 64910 | 44413 | 55587 | 20497 | 80 |
| 30 | 64995 | 44552 | 55448 | 20443 | 70 |
| 40 | 65080 | 44692 | 55308 | 20388 | 60 |
| 50 | 65165 | 44832 | 55168 | 20333 | 50 |
| 60 | 65250 | 44972 | 55028 | 20278 | 40 |
| 70 | 65335 | 45111 | 54889 | 20224 | 30 |
| 80 | 65420 | 45251 | 54749 | 20169 | 20 |
| 90 | 65505 | 45391 | 54609 | 20114 | 10 |
| **06 oo** | 65590 | 45531 | 54469 | 20059 | **94 oo** |
| 10 | 65675 | 45670 | 54330 | 20005 | 90 |
| 20 | 65760 | 45810 | 54190 | 19950 | 80 |
| 30 | 65845 | 45950 | 54050 | 19895 | 70 |
| 40 | 65930 | 46090 | 53910 | 19840 | 60 |
| 50 | 66015 | 46229 | 53771 | 19786 | 50 |
| 60 | 66100 | 46369 | 53631 | 19731 | 40 |
| 70 | 66185 | 46509 | 53491 | 19676 | 30 |
| 80 | 66270 | 46649 | 53351 | 19621 | 20 |
| 90 | 66355 | 46788 | 53212 | 19567 | 10 |
| **07 oo** | 66440 | 46928 | 53072 | 19512 | **93 oo** |
| 10 | 66525 | 47068 | 52932 | 19457 | 90 |
| 20 | 66610 | 47208 | 52792 | 19402 | 80 |
| 30 | 66695 | 47347 | 52653 | 19347 | 70 |
| 40 | 66780 | 47487 | 52513 | 19293 | 60 |
| 50 | 66865 | 47627 | 52373 | 19238 | 50 |
| 60 | 66950 | 47766 | 52234 | 19183 | 40 |
| 70 | 67035 | 47906 | 52094 | 19128 | 30 |
| 80 | 67119 | 48046 | 51954 | 19073 | 20 |
| 90 | 67204 | 48186 | 51814 | 19019 | 10 |
| **08 oo** | 67289 | 48325 | 51675 | 18964 | **92 oo** |
| 10 | 67374 | 48465 | 51535 | 18909 | 90 |
| 20 | 67459 | 48605 | 51395 | 18854 | 80 |
| 30 | 67544 | 48745 | 51255 | 18800 | 70 |
| 40 | 67629 | 48884 | 51116 | 18745 | 60 |
| 50 | 67714 | 49024 | 50976 | 18690 | 50 |
| 60 | 67799 | 49164 | 50836 | 18635 | 40 |
| 70 | 67884 | 49303 | 50697 | 18580 | 30 |
| 80 | 67969 | 49443 | 50557 | 18525 | 20 |
| 90 | 68054 | 49583 | 50417 | 18471 | 10 |
| **09 oo** | 68138 | 49723 | 50277 | 18416 | **91 oo** |
| 10 | 68223 | 49862 | 50138 | 18361 | 90 |
| 20 | 68308 | 50002 | 49998 | 18306 | 80 |
| 30 | 68393 | 50142 | 49858 | 18251 | 70 |
| 40 | 68478 | 50281 | 49719 | 18197 | 60 |
| 50 | 68563 | 50421 | 49579 | 18142 | 50 |
| 60 | 68648 | 50561 | 49439 | 18087 | 40 |
| 70 | 68733 | 50701 | 49299 | 18032 | 30 |
| 80 | 68818 | 50840 | 49160 | 17977 | 20 |
| 90 | 68903 | 50980 | 49020 | 17922 | 10 |
| **10 oo** | 68987 | 51120 | 48880 | 17868 | **90 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **56g** |
| | 84 | 139 | 139 | 55 | |

| | 140 | 139 | 86 | 85 | 84 | 55 | 54 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,0 | 13,9 | 8,6 | 8,5 | 8,4 | 5,5 | 5,4 | 1 |
| 2 | 28,0 | 27,8 | 17,2 | 17,0 | 16,8 | 11,0 | 10,8 | 2 |
| 3 | 42,0 | 41,7 | 25,8 | 25,5 | 25,2 | 16,5 | 16,2 | 3 |
| 4 | 56,0 | 55,6 | 34,4 | 34,0 | 33,6 | 22,0 | 21,6 | 4 |
| 5 | 70,0 | 69,5 | 43,0 | 42,5 | 42,0 | 27,5 | 27,0 | 5 |
| 6 | 84,0 | 83,4 | 51,6 | 51,0 | 50,4 | 33,0 | 32,4 | 6 |
| 7 | 98,0 | 97,3 | 60,2 | 59,5 | 58,8 | 38,5 | 37,8 | 7 |
| 8 | 112,0 | 111,2 | 68,8 | 68,0 | 67,2 | 44,0 | 43,2 | 8 |
| 9 | 126,0 | 125,1 | 77,4 | 76,5 | 75,6 | 49,5 | 48,6 | 9 |

| 43g | 85 | 140 | 140 | 54 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **10 oo** | 68987 | 51120 | 48880 | 17868 | **90 oo** |
| 10 | 69072 | 51259 | 48741 | 17813 | 90 |
| 20 | 69157 | 51399 | 48601 | 17758 | 80 |
| 30 | 69242 | 51539 | 48461 | 17703 | 70 |
| 40 | 69327 | 51679 | 48321 | 17648 | 60 |
| 50 | 69412 | 51818 | 48182 | 17593 | 50 |
| 60 | 69497 | 51958 | 48042 | 17539 | 40 |
| 70 | 69581 | 52098 | 47902 | 17484 | 30 |
| 80 | 69666 | 52237 | 47763 | 17429 | 20 |
| 90 | 69751 | 52377 | 47623 | 17374 | 10 |
| **11 oo** | 69836 | 52517 | 47483 | 17319 | **89 oo** |
| 10 | 69921 | 52656 | 47344 | 17264 | 90 |
| 20 | 70006 | 52796 | 47204 | 17210 | 80 |
| 30 | 70091 | 52936 | 47064 | 17155 | 70 |
| 40 | 70175 | 53076 | 46924 | 17100 | 60 |
| 50 | 70260 | 53215 | 46785 | 17045 | 50 |
| 60 | 70345 | 53355 | 46645 | 16990 | 40 |
| 70 | 70430 | 53495 | 46505 | 16935 | 30 |
| 80 | 70515 | 53634 | 46366 | 16880 | 20 |
| 90 | 70600 | 53774 | 46226 | 16826 | 10 |
| **12 oo** | 70684 | 53914 | 46086 | 16771 | **88 oo** |
| 10 | 70769 | 54053 | 45947 | 16716 | 90 |
| 20 | 70854 | 54193 | 45807 | 16661 | 80 |
| 30 | 70939 | 54333 | 45667 | 16606 | 70 |
| 40 | 71024 | 54472 | 45528 | 16551 | 60 |
| 50 | 71108 | 54612 | 45388 | 16496 | 50 |
| 60 | 71193 | 54752 | 45248 | 16441 | 40 |
| 70 | 71278 | 54891 | 45109 | 16387 | 30 |
| 80 | 71363 | 55031 | 44969 | 16332 | 20 |
| 90 | 71448 | 55171 | 44829 | 16277 | 10 |
| **13 oo** | 71533 | 55311 | 44689 | 16222 | **87 oo** |
| 10 | 71617 | 55450 | 44550 | 16167 | 90 |
| 20 | 71702 | 55590 | 44410 | 16112 | 80 |
| 30 | 71787 | 55730 | 44270 | 16057 | 70 |
| 40 | 71872 | 55869 | 44131 | 16002 | 60 |
| 50 | 71956 | 56009 | 43991 | 15948 | 50 |
| 60 | 72041 | 56149 | 43851 | 15893 | 40 |
| 70 | 72126 | 56288 | 43712 | 15838 | 30 |
| 80 | 72211 | 56428 | 43572 | 15783 | 20 |
| 90 | 72296 | 56568 | 43432 | 15728 | 10 |
| **14 oo** | 72380 | 56707 | 43293 | 15673 | **86 oo** |
| 10 | 72465 | 56847 | 43153 | 15618 | 90 |
| 20 | 72550 | 56987 | 43013 | 15563 | 80 |
| 30 | 72635 | 57126 | 42874 | 15508 | 70 |
| 40 | 72719 | 57266 | 42734 | 15453 | 60 |
| 50 | 72804 | 57406 | 42594 | 15399 | 50 |
| 60 | 72889 | 57545 | 42455 | 15344 | 40 |
| 70 | 72974 | 57685 | 42315 | 15289 | 30 |
| 80 | 73058 | 57825 | 42175 | 15234 | 20 |
| 90 | 73143 | 57964 | 42036 | 15179 | 10 |
| **15 oo** | 73228 | 58104 | 41896 | 15124 | **85 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **56g** |
| | 84 | 139 | 139 | 55 | |

| 43g | 85 | 140 | 140 | 54 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **15 oo** | 73228 | 58104 | 41896 | 15124 | **85 oo** |
| 10 | 73313 | 58244 | 41756 | 15069 | 90 |
| 20 | 73397 | 58383 | 41617 | 15014 | 80 |
| 30 | 73482 | 58523 | 41477 | 14959 | 70 |
| 40 | 73567 | 58663 | 41337 | 14904 | 60 |
| 50 | 73652 | 58802 | 41198 | 14849 | 50 |
| 60 | 73736 | 58942 | 41058 | 14794 | 40 |
| 70 | 73821 | 59081 | 40919 | 14739 | 30 |
| 80 | 73906 | 59221 | 40779 | 14685 | 20 |
| 90 | 73990 | 59361 | 40639 | 14630 | 10 |
| **16 oo** | 74075 | 59500 | 40500 | 14575 | **84 oo** |
| 10 | 74160 | 59640 | 40360 | 14520 | 90 |
| 20 | 74245 | 59780 | 40220 | 14465 | 80 |
| 30 | 74329 | 59919 | 40081 | 14410 | 70 |
| 40 | 74414 | 60059 | 39941 | 14355 | 60 |
| 50 | 74499 | 60199 | 39801 | 14300 | 50 |
| 60 | 74583 | 60338 | 39662 | 14245 | 40 |
| 70 | 74668 | 60478 | 39522 | 14190 | 30 |
| 80 | 74753 | 60618 | 39382 | 14135 | 20 |
| 90 | 74837 | 60757 | 39243 | 14080 | 10 |
| **17 oo** | 74922 | 60897 | 39103 | 14025 | **83 oo** |
| 10 | 75007 | 61037 | 38963 | 13970 | 90 |
| 20 | 75092 | 61176 | 38824 | 13915 | 80 |
| 30 | 75176 | 61316 | 38684 | 13860 | 70 |
| 40 | 75261 | 61455 | 38545 | 13805 | 60 |
| 50 | 75346 | 61595 | 38405 | 13750 | 50 |
| 60 | 75430 | 61735 | 38265 | 13696 | 40 |
| 70 | 75515 | 61874 | 38126 | 13641 | 30 |
| 80 | 75600 | 62014 | 37986 | 13586 | 20 |
| 90 | 75684 | 62154 | 37846 | 13531 | 10 |
| **18 oo** | 75769 | 62293 | 37707 | 13476 | **82 oo** |
| 10 | 75854 | 62433 | 37567 | 13421 | 90 |
| 20 | 75938 | 62573 | 37427 | 13366 | 80 |
| 30 | 76023 | 62712 | 37288 | 13311 | 70 |
| 40 | 76107 | 62852 | 37148 | 13256 | 60 |
| 50 | 76192 | 62991 | 37009 | 13201 | 50 |
| 60 | 76277 | 63131 | 36869 | 13146 | 40 |
| 70 | 76361 | 63271 | 36729 | 13091 | 30 |
| 80 | 76446 | 63410 | 36590 | 13036 | 20 |
| 90 | 76531 | 63550 | 36450 | 12981 | 10 |
| **19 oo** | 76615 | 63689 | 36311 | 12926 | **81 oo** |
| 10 | 76700 | 63829 | 36171 | 12871 | 90 |
| 20 | 76785 | 63969 | 36031 | 12816 | 80 |
| 30 | 76869 | 64108 | 35892 | 12761 | 70 |
| 40 | 76954 | 64248 | 35752 | 12706 | 60 |
| 50 | 77038 | 64388 | 35612 | 12651 | 50 |
| 60 | 77123 | 64527 | 35473 | 12596 | 40 |
| 70 | 77208 | 64667 | 35333 | 12541 | 30 |
| 80 | 77292 | 64806 | 35194 | 12486 | 20 |
| 90 | 77377 | 64946 | 35054 | 12431 | 10 |
| **20 oo** | 77462 | 65086 | 34914 | 12376 | **80 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **56g** |
| | 84 | 139 | 139 | 55 | |

| | 140 | 139 | 85 | 84 | 55 | 54 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,0 | 13,9 | 8,5 | 8,4 | 5,5 | 5,4 | 1 |
| 2 | 28,0 | 27,8 | 17,0 | 16,8 | 11,0 | 10,8 | 2 |
| 3 | 42,0 | 41,7 | 25,5 | 25,2 | 16,5 | 16,2 | 3 |
| 4 | 56,0 | 55,6 | 34,0 | 33,6 | 22,0 | 21,6 | 4 |
| 5 | 70,0 | 69,5 | 42,5 | 42,0 | 27,5 | 27,0 | 5 |
| 6 | 84,0 | 83,4 | 51,0 | 50,4 | 33,0 | 32,4 | 6 |
| 7 | 98,0 | 97,3 | 59,5 | 58,8 | 38,5 | 37,8 | 7 |
| 8 | 112,0 | 111,2 | 68,0 | 67,2 | 44,0 | 43,2 | 8 |
| 9 | 126,0 | 125,1 | 76,5 | 75,6 | 49,5 | 48,6 | 9 |

| 43g | 85 | 140 | 140 | 55 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **20 oo** | 77462 | 65086 | 34914 | 12376 | **80 oo** |
| 10 | 77546 | 65225 | 34775 | 12321 | 90 |
| 20 | 77631 | 65365 | 34635 | 12266 | 80 |
| 30 | 77715 | 65504 | 34496 | 12211 | 70 |
| 40 | 77800 | 65644 | 34356 | 12156 | 60 |
| 50 | 77885 | 65784 | 34216 | 12101 | 50 |
| 60 | 77969 | 65923 | 34077 | 12046 | 40 |
| 70 | 78054 | 66063 | 33937 | 11991 | 30 |
| 80 | 78138 | 66203 | 33797 | 11936 | 20 |
| 90 | 78223 | 66342 | 33658 | 11881 | 10 |
| **21 oo** | 78307 | 66482 | 33518 | 11826 | **79 oo** |
| 10 | 78392 | 66621 | 33379 | 11771 | 90 |
| 20 | 78477 | 66761 | 33239 | 11716 | 80 |
| 30 | 78561 | 66901 | 33099 | 11661 | 70 |
| 40 | 78646 | 67040 | 32960 | 11606 | 60 |
| 50 | 78730 | 67180 | 32820 | 11551 | 50 |
| 60 | 78815 | 67319 | 32681 | 11496 | 40 |
| 70 | 78899 | 67459 | 32541 | 11440 | 30 |
| 80 | 78984 | 67599 | 32401 | 11385 | 20 |
| 90 | 79069 | 67738 | 32262 | 11330 | 10 |
| **22 oo** | 79153 | 67878 | 32122 | 11275 | **78 oo** |
| 10 | 79238 | 68017 | 31983 | 11220 | 90 |
| 20 | 79322 | 68157 | 31843 | 11165 | 80 |
| 30 | 79407 | 68296 | 31704 | 11110 | 70 |
| 40 | 79491 | 68436 | 31564 | 11055 | 60 |
| 50 | 79576 | 68576 | 31424 | 11000 | 50 |
| 60 | 79660 | 68715 | 31285 | 10945 | 40 |
| 70 | 79745 | 68855 | 31145 | 10890 | 30 |
| 80 | 79829 | 68994 | 31006 | 10835 | 20 |
| 90 | 79914 | 69134 | 30866 | 10780 | 10 |
| **23 oo** | 79998 | 69274 | 30726 | 10725 | **77 oo** |
| 10 | 80083 | 69413 | 30587 | 10670 | 90 |
| 20 | 80167 | 69553 | 30447 | 10615 | 80 |
| 30 | 80252 | 69692 | 30308 | 10560 | 70 |
| 40 | 80337 | 69832 | 30168 | 10505 | 60 |
| 50 | 80421 | 69971 | 30029 | 10450 | 50 |
| 60 | 80506 | 70111 | 29889 | 10394 | 40 |
| 70 | 80590 | 70251 | 29749 | 10339 | 30 |
| 80 | 80675 | 70390 | 29610 | 10284 | 20 |
| 90 | 80759 | 70530 | 29470 | 10229 | 10 |
| **24 oo** | 80844 | 70669 | 29331 | 10174 | **76 oo** |
| 10 | 80928 | 70809 | 29191 | 10119 | 90 |
| 20 | 81013 | 70948 | 29052 | 10064 | 80 |
| 30 | 81097 | 71088 | 28912 | 10009 | 70 |
| 40 | 81182 | 71228 | 28772 | 09954 | 60 |
| 50 | 81266 | 71367 | 28633 | 09899 | 50 |
| 60 | 81350 | 71507 | 28493 | 09844 | 40 |
| 70 | 81435 | 71646 | 28354 | 09789 | 30 |
| 80 | 81519 | 71786 | 28214 | 09734 | 20 |
| 90 | 81604 | 71925 | 28075 | 09678 | 10 |
| **25 oo** | 81688 | 72065 | 27935 | 09623 | **75 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | 56g |
| | 84 | 139 | 139 | 56 | |

| 43g | 85 | 140 | 140 | 55 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **25 oo** | 81688 | 72065 | 27935 | 09623 | **75 oo** |
| 10 | 81773 | 72205 | 27795 | 09568 | 90 |
| 20 | 81857 | 72344 | 27656 | 09513 | 80 |
| 30 | 81942 | 72484 | 27516 | 09458 | 70 |
| 40 | 82026 | 72623 | 27377 | 09403 | 60 |
| 50 | 82111 | 72763 | 27237 | 09348 | 50 |
| 60 | 82195 | 72902 | 27098 | 09293 | 40 |
| 70 | 82280 | 73042 | 26958 | 09238 | 30 |
| 80 | 82364 | 73182 | 26818 | 09183 | 20 |
| 90 | 82448 | 73321 | 26679 | 09127 | 10 |
| **26 oo** | 82533 | 73461 | 26539 | 09072 | **74 oo** |
| 10 | 82617 | 73600 | 26400 | 09017 | 90 |
| 20 | 82702 | 73740 | 26260 | 08962 | 80 |
| 30 | 82786 | 73879 | 26121 | 08907 | 70 |
| 40 | 82871 | 74019 | 25981 | 08852 | 60 |
| 50 | 82955 | 74158 | 25842 | 08797 | 50 |
| 60 | 83040 | 74298 | 25702 | 08742 | 40 |
| 70 | 83124 | 74437 | 25563 | 08686 | 30 |
| 80 | 83208 | 74577 | 25423 | 08631 | 20 |
| 90 | 83293 | 74717 | 25283 | 08576 | 10 |
| **27 oo** | 83377 | 74856 | 25144 | 08521 | **73 oo** |
| 10 | 83462 | 74996 | 25004 | 08466 | 90 |
| 20 | 83546 | 75135 | 24865 | 08411 | 80 |
| 30 | 83630 | 75275 | 24725 | 08356 | 70 |
| 40 | 83715 | 75414 | 24586 | 08301 | 60 |
| 50 | 83799 | 75554 | 24446 | 08245 | 50 |
| 60 | 83884 | 75693 | 24307 | 08190 | 40 |
| 70 | 83968 | 75833 | 24167 | 08135 | 30 |
| 80 | 84052 | 75972 | 24028 | 08080 | 20 |
| 90 | 84137 | 76112 | 23888 | 08025 | 10 |
| **28 oo** | 84221 | 76252 | 23748 | 07970 | **72 oo** |
| 10 | 84306 | 76391 | 23609 | 07915 | 90 |
| 20 | 84390 | 76531 | 23469 | 07859 | 80 |
| 30 | 84474 | 76670 | 23330 | 07804 | 70 |
| 40 | 84559 | 76810 | 23190 | 07749 | 60 |
| 50 | 84643 | 76949 | 23051 | 07694 | 50 |
| 60 | 84727 | 77089 | 22911 | 07639 | 40 |
| 70 | 84812 | 77228 | 22772 | 07584 | 30 |
| 80 | 84896 | 77368 | 22632 | 07528 | 20 |
| 90 | 84981 | 77507 | 22493 | 07473 | 10 |
| **29 oo** | 85065 | 77647 | 22353 | 07418 | **71 oo** |
| 10 | 85149 | 77786 | 22214 | 07363 | 90 |
| 20 | 85234 | 77926 | 22074 | 07308 | 80 |
| 30 | 85318 | 78065 | 21935 | 07253 | 70 |
| 40 | 85402 | 78205 | 21795 | 07197 | 60 |
| 50 | 85487 | 78344 | 21656 | 07142 | 50 |
| 60 | 85571 | 78484 | 21516 | 07087 | 40 |
| 70 | 85655 | 78623 | 21377 | 07032 | 30 |
| 80 | 85740 | 78763 | 21237 | 06977 | 20 |
| 90 | 85824 | 78903 | 21097 | 06922 | 10 |
| **30 oo** | 85908 | 79042 | 20958 | 06866 | **70 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | 56g |
| | 84 | 139 | 139 | 56 | |

| | 140 | 139 | 85 | 84 | 56 | 55 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,0 | 13,9 | 8,5 | 8,4 | 5,6 | 5,5 | 1 |
| 2 | 28,0 | 27,8 | 17,0 | 16,8 | 11,2 | 11,0 | 2 |
| 3 | 42,0 | 41,7 | 25,5 | 25,2 | 16,8 | 16,5 | 3 |
| 4 | 56,0 | 55,6 | 34,0 | 33,6 | 22,4 | 22,0 | 4 |
| 5 | 70,0 | 69,5 | 42,5 | 42,0 | 28,0 | 27,5 | 5 |
| 6 | 84,0 | 83,4 | 51,0 | 50,4 | 33,6 | 33,0 | 6 |
| 7 | 98,0 | 97,3 | 59,5 | 58,8 | 39,2 | 38,5 | 7 |
| 8 | 112,0 | 111,2 | 68,0 | 67,2 | 44,8 | 44,0 | 8 |
| 9 | 126,0 | 125,1 | 76,5 | 75,6 | 50,4 | 49,5 | 9 |

| 43g | 85 | 140 | 140 | 55 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **30 oo** | 85908 | 79042 | 20958 | 06866 | **70 oo** |
| 10 | 85993 | 79182 | 20818 | 06811 | 90 |
| 20 | 86077 | 79321 | 20679 | 06756 | 80 |
| 30 | 86161 | 79461 | 20539 | 06701 | 70 |
| 40 | 86246 | 79600 | 20400 | 06646 | 60 |
| 50 | 86330 | 79740 | 20260 | 06590 | 50 |
| 60 | 86414 | 79879 | 20121 | 06535 | 40 |
| 70 | 86499 | 80019 | 19981 | 06480 | 30 |
| 80 | 86583 | 80158 | 19842 | 06425 | 20 |
| 90 | 86667 | 80298 | 19702 | 06370 | 10 |
| **31 oo** | 86752 | 80437 | 19563 | 06314 | **69 oo** |
| 10 | 86836 | 80577 | 19423 | 06259 | 90 |
| 20 | 86920 | 80716 | 19284 | 06204 | 80 |
| 30 | 87005 | 80856 | 19144 | 06149 | 70 |
| 40 | 87089 | 80995 | 19005 | 06094 | 60 |
| 50 | 87173 | 81135 | 18865 | 06038 | 50 |
| 60 | 87257 | 81274 | 18726 | 05983 | 40 |
| 70 | 87342 | 81414 | 18586 | 05928 | 30 |
| 80 | 87426 | 81553 | 18447 | 05873 | 20 |
| 90 | 87510 | 81693 | 18307 | 05818 | 10 |
| **32 oo** | 87595 | 81832 | 18168 | 05762 | **68 oo** |
| 10 | 87679 | 81972 | 18028 | 05707 | 90 |
| 20 | 87763 | 82111 | 17889 | 05652 | 80 |
| 30 | 87847 | 82251 | 17749 | 05597 | 70 |
| 40 | 87932 | 82390 | 17610 | 05541 | 60 |
| 50 | 88016 | 82530 | 17470 | 05486 | 50 |
| 60 | 88100 | 82669 | 17331 | 05431 | 40 |
| 70 | 88184 | 82809 | 17191 | 05376 | 30 |
| 80 | 88269 | 82948 | 17052 | 05321 | 20 |
| 90 | 88353 | 83088 | 16912 | 05265 | 10 |
| **33 oo** | 88437 | 83227 | 16773 | 05210 | **67 oo** |
| 10 | 88521 | 83367 | 16633 | 05155 | 90 |
| 20 | 88606 | 83506 | 16494 | 05100 | 80 |
| 30 | 88690 | 83646 | 16354 | 05044 | 70 |
| 40 | 88774 | 83785 | 16215 | 04989 | 60 |
| 50 | 88858 | 83925 | 16075 | 04934 | 50 |
| 60 | 88943 | 84064 | 15936 | 04879 | 40 |
| 70 | 89027 | 84204 | 15796 | 04823 | 30 |
| 80 | 89111 | 84343 | 15657 | 04768 | 20 |
| 90 | 89195 | 84482 | 15518 | 04713 | 10 |
| **34 oo** | 89280 | 84622 | 15378 | 04658 | **66 oo** |
| 10 | 89364 | 84761 | 15239 | 04602 | 90 |
| 20 | 89448 | 84901 | 15099 | 04547 | 80 |
| 30 | 89532 | 85040 | 14960 | 04492 | 70 |
| 40 | 89616 | 85180 | 14820 | 04437 | 60 |
| 50 | 89701 | 85319 | 14681 | 04381 | 50 |
| 60 | 89785 | 85459 | 14541 | 04326 | 40 |
| 70 | 89869 | 85598 | 14402 | 04271 | 30 |
| 80 | 89953 | 85738 | 14262 | 04216 | 20 |
| 90 | 90038 | 85877 | 14123 | 04160 | 10 |
| **35 oo** | 90122 | 86017 | 13983 | 04105 | **65 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **56g** |
| | 84 | 139 | 139 | 56 | |

| 43g | 85 | 140 | 140 | 55 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | **9.89** | |
| **35 oo** | 90122 | 86017 | 13983 | 04105 | **65 oo** |
| 10 | 90206 | 86156 | 13844 | 04050 | 90 |
| 20 | 90290 | 86296 | 13704 | 03994 | 80 |
| 30 | 90374 | 86435 | 13565 | 03939 | 70 |
| 40 | 90458 | 86575 | 13425 | 03884 | 60 |
| 50 | 90543 | 86714 | 13286 | 03829 | 50 |
| 60 | 90627 | 86854 | 13146 | 03773 | 40 |
| 70 | 90711 | 86993 | 13007 | 03718 | 30 |
| 80 | 90795 | 87132 | 12868 | 03663 | 20 |
| 90 | 90879 | 87272 | 12728 | 03607 | 10 |
| **36 oo** | 90964 | 87411 | 12589 | 03552 | **64 oo** |
| 10 | 91048 | 87551 | 12449 | 03497 | 90 |
| 20 | 91132 | 87690 | 12310 | 03442 | 80 |
| 30 | 91216 | 87830 | 12170 | 03386 | 70 |
| 40 | 91300 | 87969 | 12031 | 03331 | 60 |
| 50 | 91384 | 88109 | 11891 | 03276 | 50 |
| 60 | 91469 | 88248 | 11752 | 03220 | 40 |
| 70 | 91553 | 88388 | 11612 | 03165 | 30 |
| 80 | 91637 | 88527 | 11473 | 03110 | 20 |
| 90 | 91721 | 88666 | 11334 | 03054 | 10 |
| **37 oo** | 91805 | 88806 | 11194 | 02999 | **63 oo** |
| 10 | 91889 | 88945 | 11055 | 02944 | 90 |
| 20 | 91973 | 89085 | 10915 | 02889 | 80 |
| 30 | 92058 | 89224 | 10776 | 02833 | 70 |
| 40 | 92142 | 89364 | 10636 | 02778 | 60 |
| 50 | 92226 | 89503 | 10497 | 02723 | 50 |
| 60 | 92310 | 89643 | 10357 | 02667 | 40 |
| 70 | 92394 | 89782 | 10218 | 02612 | 30 |
| 80 | 92478 | 89922 | 10078 | 02557 | 20 |
| 90 | 92562 | 90061 | 09939 | 02501 | 10 |
| **38 oo** | 92646 | 90200 | 09800 | 02446 | **62 oo** |
| 10 | 92731 | 90340 | 09660 | 02391 | 90 |
| 20 | 92815 | 90479 | 09521 | 02335 | 80 |
| 30 | 92899 | 90619 | 09381 | 02280 | 70 |
| 40 | 92983 | 90758 | 09242 | 02225 | 60 |
| 50 | 93067 | 90898 | 09102 | 02169 | 50 |
| 60 | 93151 | 91037 | 08963 | 02114 | 40 |
| 70 | 93235 | 91176 | 08824 | 02059 | 30 |
| 80 | 93319 | 91316 | 08684 | 02003 | 20 |
| 90 | 93403 | 91455 | 08545 | 01948 | 10 |
| **39 oo** | 93487 | 91595 | 08405 | 01893 | **61 oo** |
| 10 | 93572 | 91734 | 08266 | 01837 | 90 |
| 20 | 93656 | 91874 | 08126 | 01782 | 80 |
| 30 | 93740 | 92013 | 07987 | 01727 | 70 |
| 40 | 93824 | 92153 | 07847 | 01671 | 60 |
| 50 | 93908 | 92292 | 07708 | 01616 | 50 |
| 60 | 93992 | 92431 | 07569 | 01561 | 40 |
| 70 | 94076 | 92571 | 07429 | 01505 | 30 |
| 80 | 94160 | 92710 | 07290 | 01450 | 20 |
| 90 | 94244 | 92850 | 07150 | 01395 | 10 |
| **40 oo** | 94328 | 92989 | 07011 | 01339 | **60 oo** |
| | **9.79** | **9.90** | **0.09** | **9.89** | c cc |
| | log cos | log ctg | log tg | log sin | **56g** |
| | 84 | 139 | 139 | 56 | |

| | 140 | 139 | 85 | 84 | 56 | 55 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,0 | 13,9 | 8,5 | 8,4 | 5,6 | 5,5 | 1 |
| 2 | 28,0 | 27,8 | 17,0 | 16,8 | 11,2 | 11,0 | 2 |
| 3 | 42,0 | 41,7 | 25,5 | 25,2 | 16,8 | 16,5 | 3 |
| 4 | 56,0 | 55,6 | 34,0 | 33,6 | 22,4 | 22,0 | 4 |
| 5 | 70,0 | 69,5 | 42,5 | 42,0 | 28,0 | 27,5 | 5 |
| 6 | 84,0 | 83,4 | 51,0 | 50,4 | 33,6 | 33,0 | 6 |
| 7 | 98,0 | 97,3 | 59,5 | 58,8 | 39,2 | 38,5 | 7 |
| 8 | 112,0 | 111,2 | 68,0 | 67,2 | 44,8 | 44,0 | 8 |
| 9 | 126,0 | 125,1 | 76,5 | 75,6 | 50,4 | 49,5 | 9 |

| $43^g$ | 85 | 140 | 140 | 55 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.79** | **9.90** | **0.09** | ∗**9.89** | |
| **40 oo** | 94328 | 92989 | 07011 | ∗01339 | **60 oo** |
| 10 | 94412 | 93129 | 06871 | ∗01284 | 90 |
| 20 | 94496 | 93268 | 06732 | ∗01228 | 80 |
| 30 | 94580 | 93407 | 06593 | ∗01173 | 70 |
| 40 | 94664 | 93547 | 06453 | ∗01118 | 60 |
| 50 | 94749 | 93686 | 06314 | ∗01062 | 50 |
| 60 | 94833 | 93826 | 06174 | ∗01007 | 40 |
| 70 | 94917 | 93965 | 06035 | ∗00952 | 30 |
| 80 | 95001 | 94104 | 05896 | ∗00896 | 20 |
| 90 | 95085 | 94244 | 05756 | ∗00841 | 10 |
| **41 oo** | 95169 | 94383 | 05617 | ∗00785 | **59 oo** |
| 10 | 95253 | 94523 | 05477 | ∗00730 | 90 |
| 20 | 95337 | 94662 | 05338 | ∗00675 | 80 |
| 30 | 95421 | 94802 | 05198 | ∗00619 | 70 |
| 40 | 95505 | 94941 | 05059 | ∗00564 | 60 |
| 50 | 95589 | 95080 | 04920 | ∗00509 | 50 |
| 60 | 95673 | 95220 | 04780 | ∗00453 | 40 |
| 70 | 95757 | 95359 | 04641 | ∗00398 | 30 |
| 80 | 95841 | 95499 | 04501 | ∗00342 | 20 |
| 90 | 95925 | 95638 | 04362 | ∗00287 | 10 |
| **42 oo** | 96009 | 95777 | 04223 | ∗00232 | **58 oo** |
| 10 | 96093 | 95917 | 04083 | ∗00176 | 90 |
| 20 | 96177 | 96056 | 03944 | ∗00121 | 80 |
| 30 | 96261 | 96196 | 03804 | ∗00065 | 70 |
| 40 | 96345 | 96335 | 03665 | ∗00010 | 60 |
| 50 | 96429 | 96474 | 03526 | 99955 | 50 |
| 60 | 96513 | 96614 | 03386 | 99899 | 40 |
| 70 | 96597 | 96753 | 03247 | 99844 | 30 |
| 80 | 96681 | 96893 | 03107 | 99788 | 20 |
| 90 | 96765 | 97032 | 02968 | 99733 | 10 |
| **43 oo** | 96849 | 97171 | 02829 | 99678 | **57 oo** |
| 10 | 96933 | 97311 | 02689 | 99622 | 90 |
| 20 | 97017 | 97450 | 02550 | 99567 | 80 |
| 30 | 97101 | 97590 | 02410 | 99511 | 70 |
| 40 | 97185 | 97729 | 02271 | 99456 | 60 |
| 50 | 97269 | 97868 | 02132 | 99400 | 50 |
| 60 | 97353 | 98008 | 01992 | 99345 | 40 |
| 70 | 97437 | 98147 | 01853 | 99290 | 30 |
| 80 | 97521 | 98287 | 01713 | 99234 | 20 |
| 90 | 97605 | 98426 | 01574 | 99179 | 10 |
| **44 oo** | 97689 | 98565 | 01435 | 99123 | **56 oo** |
| 10 | 97773 | 98705 | 01295 | 99068 | 90 |
| 20 | 97857 | 98844 | 01156 | 99012 | 80 |
| 30 | 97940 | 98983 | 01017 | 98957 | 70 |
| 40 | 98024 | 99123 | 00877 | 98902 | 60 |
| 50 | 98108 | 99262 | 00738 | 98846 | 50 |
| 60 | 98192 | 99402 | 00598 | 98791 | 40 |
| 70 | 98276 | 99541 | 00459 | 98735 | 30 |
| 80 | 98360 | 99680 | 00320 | 98680 | 20 |
| 90 | 98444 | 99820 | 00180 | 98624 | 10 |
| **45 oo** | 98528 | 99959 | 00041 | 98569 | **55 oo** |
| | **9.79** | **9.90** | **0.09** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | $56^g$ |
| | 83 | 139 | 139 | 56 | |

| $43^g$ | 84 | 140 | 140 | 55 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.79** | ∗**9.90** | ∗**0.09** | **9.88** | |
| **45 oo** | ∗98528 | ∗99959 | ∗00041 | 98569 | **55 oo** |
| 10 | ∗98612 | 00099 | 99901 | 98513 | 90 |
| 20 | ∗98696 | 00238 | 99762 | 98458 | 80 |
| 30 | ∗98780 | 00377 | 99623 | 98403 | 70 |
| 40 | ∗98864 | 00517 | 99483 | 98347 | 60 |
| 50 | ∗98948 | 00656 | 99344 | 98292 | 50 |
| 60 | ∗99032 | 00795 | 99205 | 98236 | 40 |
| 70 | ∗99115 | 00935 | 99065 | 98181 | 30 |
| 80 | ∗99199 | 01074 | 98926 | 98125 | 20 |
| 90 | ∗99283 | 01213 | 98787 | 98070 | 10 |
| **46 oo** | ∗99367 | 01353 | 98647 | 98014 | **54 oo** |
| 10 | ∗99451 | 01492 | 98508 | 97959 | 90 |
| 20 | ∗99535 | 01632 | 98368 | 97903 | 80 |
| 30 | ∗99619 | 01771 | 98229 | 97848 | 70 |
| 40 | ∗99703 | 01910 | 98090 | 97792 | 60 |
| 50 | ∗99787 | 02050 | 97950 | 97737 | 50 |
| 60 | ∗99871 | 02189 | 97811 | 97681 | 40 |
| 70 | ∗99954 | 02328 | 97672 | 97626 | 30 |
| 80 | 00038 | 02468 | 97532 | 97571 | 20 |
| 90 | 00122 | 02607 | 97393 | 97515 | 10 |
| **47 oo** | 00206 | 02747 | 97253 | 97460 | **53 oo** |
| 10 | 00290 | 02886 | 97114 | 97404 | 90 |
| 20 | 00374 | 03025 | 96975 | 97349 | 80 |
| 30 | 00458 | 03165 | 96835 | 97293 | 70 |
| 40 | 00542 | 03304 | 96696 | 97238 | 60 |
| 50 | 00625 | 03443 | 96557 | 97182 | 50 |
| 60 | 00709 | 03583 | 96417 | 97127 | 40 |
| 70 | 00793 | 03722 | 96278 | 97071 | 30 |
| 80 | 00877 | 03861 | 96139 | 97016 | 20 |
| 90 | 00961 | 04001 | 95999 | 96960 | 10 |
| **48 oo** | 01045 | 04140 | 95860 | 96905 | **52 oo** |
| 10 | 01129 | 04279 | 95721 | 96849 | 90 |
| 20 | 01212 | 04419 | 95581 | 96794 | 80 |
| 30 | 01296 | 04558 | 95442 | 96738 | 70 |
| 40 | 01380 | 04697 | 95303 | 96683 | 60 |
| 50 | 01464 | 04837 | 95163 | 96627 | 50 |
| 60 | 01548 | 04976 | 95024 | 96572 | 40 |
| 70 | 01632 | 05115 | 94885 | 96516 | 30 |
| 80 | 01715 | 05255 | 94745 | 96461 | 20 |
| 90 | 01799 | 05394 | 94606 | 96405 | 10 |
| **49 oo** | 01883 | 05534 | 94466 | 96349 | **51 oo** |
| 10 | 01967 | 05673 | 94327 | 96294 | 90 |
| 20 | 02051 | 05812 | 94188 | 96238 | 80 |
| 30 | 02134 | 05952 | 94048 | 96183 | 70 |
| 40 | 02218 | 06091 | 93909 | 96127 | 60 |
| 50 | 02302 | 06230 | 93770 | 96072 | 50 |
| 60 | 02386 | 06370 | 93630 | 96016 | 40 |
| 70 | 02470 | 06509 | 93491 | 95961 | 30 |
| 80 | 02553 | 06648 | 93352 | 95905 | 20 |
| 90 | 02637 | 06788 | 93212 | 95850 | 10 |
| **50 oo** | 02721 | 06927 | 93073 | 95794 | **50 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | $56^g$ |
| | 83 | 139 | 139 | 56 | |

| | 140 | 139 | 85 | 84 | 83 | 56 | 55 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,0 | 13,9 | 8,5 | 8,4 | 8,3 | 5,6 | 5,5 | 1 |
| 2 | 28,0 | 27,8 | 17,0 | 16,8 | 16,6 | 11,2 | 11,0 | 2 |
| 3 | 42,0 | 41,7 | 25,5 | 25,2 | 24,9 | 16,8 | 16,5 | 3 |
| 4 | 56,0 | 55,6 | 34,0 | 33,6 | 33,2 | 22,4 | 22,0 | 4 |
| 5 | 70,0 | 69,5 | 42,5 | 42,0 | 41,5 | 28,0 | 27,5 | 5 |
| 6 | 84,0 | 83,4 | 51,0 | 50,4 | 49,8 | 33,6 | 33,0 | 6 |
| 7 | 98,0 | 97,3 | 59,5 | 58,8 | 58,1 | 39,2 | 38,5 | 7 |
| 8 | 112,0 | 111,2 | 68,0 | 67,2 | 66,4 | 44,8 | 44,0 | 8 |
| 9 | 126,0 | 125,1 | 76,5 | 75,6 | 74,7 | 50,4 | 49,5 | 9 |

| 43g | 84 | 140 | 140 | 55 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **50 oo** | 02721 | 06927 | 93073 | 95794 | **50 oo** |
| 10 | 02805 | 07066 | 92934 | 95739 | 90 |
| 20 | 02889 | 07206 | 92794 | 95683 | 80 |
| 30 | 02972 | 07345 | 92655 | 95628 | 70 |
| 40 | 03056 | 07484 | 92516 | 95572 | 60 |
| 50 | 03140 | 07624 | 92376 | 95516 | 50 |
| 60 | 03224 | 07763 | 92237 | 95461 | 40 |
| 70 | 03308 | 07902 | 92098 | 95405 | 30 |
| 80 | 03391 | 08042 | 91958 | 95350 | 20 |
| 90 | 03475 | 08181 | 91819 | 95294 | 10 |
| **51 oo** | 03559 | 08320 | 91680 | 95239 | **49 oo** |
| 10 | 03643 | 08459 | 91541 | 95183 | 90 |
| 20 | 03726 | 08599 | 91401 | 95128 | 80 |
| 30 | 03810 | 08738 | 91262 | 95072 | 70 |
| 40 | 03894 | 08877 | 91123 | 95016 | 60 |
| 50 | 03978 | 09017 | 90983 | 94961 | 50 |
| 60 | 04061 | 09156 | 90844 | 94905 | 40 |
| 70 | 04145 | 09295 | 90705 | 94850 | 30 |
| 80 | 04229 | 09435 | 90565 | 94794 | 20 |
| 90 | 04313 | 09574 | 90426 | 94739 | 10 |
| **52 oo** | 04396 | 09713 | 90287 | 94683 | **48 oo** |
| 10 | 04480 | 09853 | 90147 | 94627 | 90 |
| 20 | 04564 | 09992 | 90008 | 94572 | 80 |
| 30 | 04648 | 10131 | 89869 | 94516 | 70 |
| 40 | 04731 | 10271 | 89729 | 94461 | 60 |
| 50 | 04815 | 10410 | 89590 | 94405 | 50 |
| 60 | 04899 | 10549 | 89451 | 94350 | 40 |
| 70 | 04983 | 10689 | 89311 | 94294 | 30 |
| 80 | 05066 | 10828 | 89172 | 94238 | 20 |
| 90 | 05150 | 10967 | 89033 | 94183 | 10 |
| **53 oo** | 05234 | 11106 | 88894 | 94127 | **47 oo** |
| 10 | 05317 | 11246 | 88754 | 94072 | 90 |
| 20 | 05401 | 11385 | 88615 | 94016 | 80 |
| 30 | 05485 | 11524 | 88476 | 93960 | 70 |
| 40 | 05569 | 11664 | 88336 | 93905 | 60 |
| 50 | 05652 | 11803 | 88197 | 93849 | 50 |
| 60 | 05736 | 11942 | 88058 | 93794 | 40 |
| 70 | 05820 | 12082 | 87918 | 93738 | 30 |
| 80 | 05903 | 12221 | 87779 | 93682 | 20 |
| 90 | 05987 | 12360 | 87640 | 93627 | 10 |
| **54 oo** | 06071 | 12499 | 87501 | 93571 | **46 oo** |
| 10 | 06154 | 12639 | 87361 | 93516 | 90 |
| 20 | 06238 | 12778 | 87222 | 93460 | 80 |
| 30 | 06322 | 12917 | 87083 | 93404 | 70 |
| 40 | 06405 | 13057 | 86943 | 93349 | 60 |
| 50 | 06489 | 13196 | 86804 | 93293 | 50 |
| 60 | 06573 | 13335 | 86665 | 93238 | 40 |
| 70 | 06656 | 13475 | 86525 | 93182 | 30 |
| 80 | 06740 | 13614 | 86386 | 93126 | 20 |
| 90 | 06824 | 13753 | 86247 | 93071 | 10 |
| **55 oo** | 06907 | 13892 | 86108 | 93015 | **45 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | **56g** |
| | 83 | 139 | 139 | 56 | |

| 43g | 84 | 140 | 140 | 55 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **55 oo** | 06907 | 13892 | 86108 | 93015 | **45 oo** |
| 10 | 06991 | 14032 | 85968 | 92959 | 90 |
| 20 | 07075 | 14171 | 85829 | 92904 | 80 |
| 30 | 07158 | 14310 | 85690 | 92848 | 70 |
| 40 | 07242 | 14450 | 85550 | 92792 | 60 |
| 50 | 07326 | 14589 | 85411 | 92737 | 50 |
| 60 | 07409 | 14728 | 85272 | 92681 | 40 |
| 70 | 07493 | 14867 | 85133 | 92626 | 30 |
| 80 | 07577 | 15007 | 84993 | 92570 | 20 |
| 90 | 07660 | 15146 | 84854 | 92514 | 10 |
| **56 oo** | 07744 | 15285 | 84715 | 92459 | **44 oo** |
| 10 | 07827 | 15425 | 84575 | 92403 | 90 |
| 20 | 07911 | 15564 | 84436 | 92347 | 80 |
| 30 | 07995 | 15703 | 84297 | 92292 | 70 |
| 40 | 08078 | 15842 | 84158 | 92236 | 60 |
| 50 | 08162 | 15982 | 84018 | 92180 | 50 |
| 60 | 08246 | 16121 | 83879 | 92125 | 40 |
| 70 | 08329 | 16260 | 83740 | 92069 | 30 |
| 80 | 08413 | 16399 | 83601 | 92013 | 20 |
| 90 | 08496 | 16539 | 83461 | 91958 | 10 |
| **57 oo** | 08580 | 16678 | 83322 | 91902 | **43 oo** |
| 10 | 08664 | 16817 | 83183 | 91846 | 90 |
| 20 | 08747 | 16957 | 83043 | 91791 | 80 |
| 30 | 08831 | 17096 | 82904 | 91735 | 70 |
| 40 | 08914 | 17235 | 82765 | 91679 | 60 |
| 50 | 08998 | 17374 | 82626 | 91624 | 50 |
| 60 | 09082 | 17514 | 82486 | 91568 | 40 |
| 70 | 09165 | 17653 | 82347 | 91512 | 30 |
| 80 | 09249 | 17792 | 82208 | 91457 | 20 |
| 90 | 09332 | 17931 | 82069 | 91401 | 10 |
| **58 oo** | 09416 | 18071 | 81929 | 91345 | **42 oo** |
| 10 | 09500 | 18210 | 81790 | 91290 | 90 |
| 20 | 09583 | 18349 | 81651 | 91234 | 80 |
| 30 | 09667 | 18488 | 81512 | 91178 | 70 |
| 40 | 09750 | 18628 | 81372 | 91123 | 60 |
| 50 | 09834 | 18767 | 81233 | 91067 | 50 |
| 60 | 09917 | 18906 | 81094 | 91011 | 40 |
| 70 | 10001 | 19045 | 80955 | 90956 | 30 |
| 80 | 10085 | 19185 | 80815 | 90900 | 20 |
| 90 | 10168 | 19324 | 80676 | 90844 | 10 |
| **59 oo** | 10252 | 19463 | 80537 | 90788 | **41 oo** |
| 10 | 10335 | 19602 | 80398 | 90733 | 90 |
| 20 | 10419 | 19742 | 80258 | 90677 | 80 |
| 30 | 10502 | 19881 | 80119 | 90621 | 70 |
| 40 | 10586 | 20020 | 79980 | 90566 | 60 |
| 50 | 10669 | 20159 | 79841 | 90510 | 50 |
| 60 | 10753 | 20299 | 79701 | 90454 | 40 |
| 70 | 10836 | 20438 | 79562 | 90399 | 30 |
| 80 | 10920 | 20577 | 79423 | 90343 | 20 |
| 90 | 11003 | 20716 | 79284 | 90287 | 10 |
| **60 oo** | 11087 | 20856 | 79144 | 90231 | **40 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | **56g** |
| | 83 | 139 | 139 | 56 | |

| | 140 | 139 | 84 | 83 | 56 | 55 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,0 | 13,9 | 8,4 | 8,3 | 5,6 | 5,5 | 1 |
| 2 | 28,0 | 27,8 | 16,8 | 16,6 | 11,2 | 11,0 | 2 |
| 3 | 42,0 | 41,7 | 25,2 | 24,9 | 16,8 | 16,5 | 3 |
| 4 | 56,0 | 55,6 | 33,6 | 33,2 | 22,4 | 22,0 | 4 |
| 5 | 70,0 | 69,5 | 42,0 | 41,5 | 28,0 | 27,5 | 5 |
| 6 | 84,0 | 83,4 | 50,4 | 49,8 | 33,6 | 33,0 | 6 |
| 7 | 98,0 | 97,3 | 58,8 | 58,1 | 39,2 | 38,5 | 7 |
| 8 | 112,0 | 111,2 | 67,2 | 66,4 | 44,8 | 44,0 | 8 |
| 9 | 126,0 | 125,1 | 75,6 | 74,7 | 50,4 | 49,5 | 9 |

| 43g | 84 | 140 | 140 | 55 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **60 oo** | 11087 | 20856 | 79144 | 90231 | **40 oo** |
| 10 | 11171 | 20995 | 79005 | 90176 | 90 |
| 20 | 11254 | 21134 | 78866 | 90120 | 80 |
| 30 | 11338 | 21273 | 78727 | 90064 | 70 |
| 40 | 11421 | 21413 | 78587 | 90008 | 60 |
| 50 | 11505 | 21552 | 78448 | 89953 | 50 |
| 60 | 11588 | 21691 | 78309 | 89897 | 40 |
| 70 | 11672 | 21830 | 78170 | 89841 | 30 |
| 80 | 11755 | 21970 | 78030 | 89786 | 20 |
| 90 | 11839 | 22109 | 77891 | 89730 | 10 |
| **61 oo** | 11922 | 22248 | 77752 | 89674 | **39 oo** |
| 10 | 12006 | 22387 | 77613 | 89618 | 90 |
| 20 | 12089 | 22526 | 77474 | 89563 | 80 |
| 30 | 12173 | 22666 | 77334 | 89507 | 70 |
| 40 | 12256 | 22805 | 77195 | 89451 | 60 |
| 50 | 12340 | 22944 | 77056 | 89395 | 50 |
| 60 | 12423 | 23083 | 76917 | 89340 | 40 |
| 70 | 12507 | 23223 | 76777 | 89284 | 30 |
| 80 | 12590 | 23362 | 76638 | 89228 | 20 |
| 90 | 12674 | 23501 | 76499 | 89172 | 10 |
| **62 oo** | 12757 | 23640 | 76360 | 89117 | **38 oo** |
| 10 | 12840 | 23780 | 76220 | 89061 | 90 |
| 20 | 12924 | 23919 | 76081 | 89005 | 80 |
| 30 | 13007 | 24058 | 75942 | 88949 | 70 |
| 40 | 13091 | 24197 | 75803 | 88894 | 60 |
| 50 | 13174 | 24336 | 75664 | 88838 | 50 |
| 60 | 13258 | 24476 | 75524 | 88782 | 40 |
| 70 | 13341 | 24615 | 75385 | 88726 | 30 |
| 80 | 13425 | 24754 | 75246 | 88671 | 20 |
| 90 | 13508 | 24893 | 75107 | 88615 | 10 |
| **63 oo** | 13592 | 25033 | 74967 | 88559 | **37 oo** |
| 10 | 13675 | 25172 | 74828 | 88503 | 90 |
| 20 | 13758 | 25311 | 74689 | 88448 | 80 |
| 30 | 13842 | 25450 | 74550 | 88392 | 70 |
| 40 | 13925 | 25589 | 74411 | 88336 | 60 |
| 50 | 14009 | 25729 | 74271 | 88280 | 50 |
| 60 | 14092 | 25868 | 74132 | 88224 | 40 |
| 70 | 14176 | 26007 | 73993 | 88169 | 30 |
| 80 | 14259 | 26146 | 73854 | 88113 | 20 |
| 90 | 14342 | 26285 | 73715 | 88057 | 10 |
| **64 oo** | 14426 | 26425 | 73575 | 88001 | **36 oo** |
| 10 | 14509 | 26564 | 73436 | 87945 | 90 |
| 20 | 14593 | 26703 | 73297 | 87890 | 80 |
| 30 | 14676 | 26842 | 73158 | 87834 | 70 |
| 40 | 14760 | 26981 | 73019 | 87778 | 60 |
| 50 | 14843 | 27121 | 72879 | 87722 | 50 |
| 60 | 14926 | 27260 | 72740 | 87666 | 40 |
| 70 | 15010 | 27399 | 72601 | 87611 | 30 |
| 80 | 15093 | 27538 | 72462 | 87555 | 20 |
| 90 | 15177 | 27677 | 72323 | 87499 | 10 |
| **65 oo** | 15260 | 27817 | 72183 | 87443 | **35 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | **56g** |
| | 83 | 139 | 139 | 56 | |

| 43g | 84 | 140 | 140 | 55 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **65 oo** | 15260 | 27817 | 72183 | 87443 | **35 oo** |
| 10 | 15343 | 27956 | 72044 | 87387 | 90 |
| 20 | 15427 | 28095 | 71905 | 87332 | 80 |
| 30 | 15510 | 28234 | 71766 | 87276 | 70 |
| 40 | 15593 | 28373 | 71627 | 87220 | 60 |
| 50 | 15677 | 28513 | 71487 | 87164 | 50 |
| 60 | 15760 | 28652 | 71348 | 87108 | 40 |
| 70 | 15844 | 28791 | 71209 | 87053 | 30 |
| 80 | 15927 | 28930 | 71070 | 86997 | 20 |
| 90 | 16010 | 29069 | 70931 | 86941 | 10 |
| **66 oo** | 16094 | 29209 | 70791 | 86885 | **34 oo** |
| 10 | 16177 | 29348 | 70652 | 86829 | 90 |
| 20 | 16260 | 29487 | 70513 | 86773 | 80 |
| 30 | 16344 | 29626 | 70374 | 86718 | 70 |
| 40 | 16427 | 29765 | 70235 | 86662 | 60 |
| 50 | 16511 | 29905 | 70095 | 86606 | 50 |
| 60 | 16594 | 30044 | 69956 | 86550 | 40 |
| 70 | 16677 | 30183 | 69817 | 86494 | 30 |
| 80 | 16761 | 30322 | 69678 | 86438 | 20 |
| 90 | 16844 | 30461 | 69539 | 86383 | 10 |
| **67 oo** | 16927 | 30600 | 69400 | 86327 | **33 oo** |
| 10 | 17011 | 30740 | 69260 | 86271 | 90 |
| 20 | 17094 | 30879 | 69121 | 86215 | 80 |
| 30 | 17177 | 31018 | 68982 | 86159 | 70 |
| 40 | 17261 | 31157 | 68843 | 86103 | 60 |
| 50 | 17344 | 31296 | 68704 | 86048 | 50 |
| 60 | 17427 | 31436 | 68564 | 85992 | 40 |
| 70 | 17511 | 31575 | 68425 | 85936 | 30 |
| 80 | 17594 | 31714 | 68286 | 85880 | 20 |
| 90 | 17677 | 31853 | 68147 | 85824 | 10 |
| **68 oo** | 17760 | 31992 | 68008 | 85768 | **32 oo** |
| 10 | 17844 | 32131 | 67869 | 85712 | 90 |
| 20 | 17927 | 32271 | 67729 | 85657 | 80 |
| 30 | 18010 | 32410 | 67590 | 85601 | 70 |
| 40 | 18094 | 32549 | 67451 | 85545 | 60 |
| 50 | 18177 | 32688 | 67312 | 85489 | 50 |
| 60 | 18260 | 32827 | 67173 | 85433 | 40 |
| 70 | 18344 | 32966 | 67034 | 85377 | 30 |
| 80 | 18427 | 33106 | 66894 | 85321 | 20 |
| 90 | 18510 | 33245 | 66755 | 85265 | 10 |
| **69 oo** | 18593 | 33384 | 66616 | 85210 | **31 oo** |
| 10 | 18677 | 33523 | 66477 | 85154 | 90 |
| 20 | 18760 | 33662 | 66338 | 85098 | 80 |
| 30 | 18843 | 33801 | 66199 | 85042 | 70 |
| 40 | 18927 | 33941 | 66059 | 84986 | 60 |
| 50 | 19010 | 34080 | 65920 | 84930 | 50 |
| 60 | 19093 | 34219 | 65781 | 84874 | 40 |
| 70 | 19176 | 34358 | 65642 | 84818 | 30 |
| 80 | 19260 | 34497 | 65503 | 84763 | 20 |
| 90 | 19343 | 34636 | 65364 | 84707 | 10 |
| **70 oo** | 19426 | 34775 | 65225 | 84651 | **30 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | **56g** |
| | 83 | 139 | 139 | 56 | |

| | 140 | 139 | 84 | 83 | 56 | 55 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,0 | 13,9 | 8,4 | 8,3 | 5,6 | 5,5 | 1 |
| 2 | 28,0 | 27,8 | 16,8 | 16,6 | 11,2 | 11,0 | 2 |
| 3 | 42,0 | 41,7 | 25,2 | 24,9 | 16,8 | 16,5 | 3 |
| 4 | 56,0 | 55,6 | 33,6 | 33,2 | 22,4 | 22,0 | 4 |
| 5 | 70,0 | 69,5 | 42,0 | 41,5 | 28,0 | 27,5 | 5 |
| 6 | 84,0 | 83,4 | 50,4 | 49,8 | 33,6 | 33,0 | 6 |
| 7 | 98,0 | 97,3 | 58,8 | 58,1 | 39,2 | 38,5 | 7 |
| 8 | 112,0 | 111,2 | 67,2 | 66,4 | 44,8 | 44,0 | 8 |
| 9 | 126,0 | 125,1 | 75,6 | 74,7 | 50,4 | 49,5 | 9 |

| 43g | 84 | 140 | 140 | 55 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **70 oo** | 19426 | 34775 | 65225 | 84651 | **30 oo** |
| 10 | 19509 | 34915 | 65085 | 84595 | 90 |
| 20 | 19593 | 35054 | 64946 | 84539 | 80 |
| 30 | 19676 | 35193 | 64807 | 84483 | 70 |
| 40 | 19759 | 35332 | 64668 | 84427 | 60 |
| 50 | 19842 | 35471 | 64529 | 84371 | 50 |
| 60 | 19926 | 35610 | 64390 | 84315 | 40 |
| 70 | 20009 | 35750 | 64250 | 84259 | 30 |
| 80 | 20092 | 35889 | 64111 | 84203 | 20 |
| 90 | 20175 | 36028 | 63972 | 84148 | 10 |
| **71 oo** | 20259 | 36167 | 63833 | 84092 | **29 oo** |
| 10 | 20342 | 36306 | 63694 | 84036 | 90 |
| 20 | 20425 | 36445 | 63555 | 83980 | 80 |
| 30 | 20508 | 36584 | 63416 | 83924 | 70 |
| 40 | 20592 | 36724 | 63276 | 83868 | 60 |
| 50 | 20675 | 36863 | 63137 | 83812 | 50 |
| 60 | 20758 | 37002 | 62998 | 83756 | 40 |
| 70 | 20841 | 37141 | 62859 | 83700 | 30 |
| 80 | 20924 | 37280 | 62720 | 83644 | 20 |
| 90 | 21008 | 37419 | 62581 | 83588 | 10 |
| **72 oo** | 21091 | 37558 | 62442 | 83532 | **28 oo** |
| 10 | 21174 | 37698 | 62302 | 83477 | 90 |
| 20 | 21257 | 37837 | 62163 | 83421 | 80 |
| 30 | 21340 | 37976 | 62024 | 83365 | 70 |
| 40 | 21424 | 38115 | 61885 | 83309 | 60 |
| 50 | 21507 | 38254 | 61746 | 83253 | 50 |
| 60 | 21590 | 38393 | 61607 | 83197 | 40 |
| 70 | 21673 | 38532 | 61468 | 83141 | 30 |
| 80 | 21756 | 38671 | 61329 | 83085 | 20 |
| 90 | 21840 | 38811 | 61189 | 83029 | 10 |
| **73 oo** | 21923 | 38950 | 61050 | 82973 | **27 oo** |
| 10 | 22006 | 39089 | 60911 | 82917 | 90 |
| 20 | 22089 | 39228 | 60772 | 82861 | 80 |
| 30 | 22172 | 39367 | 60633 | 82805 | 70 |
| 40 | 22255 | 39506 | 60494 | 82749 | 60 |
| 50 | 22339 | 39645 | 60355 | 82693 | 50 |
| 60 | 22422 | 39784 | 60216 | 82637 | 40 |
| 70 | 22505 | 39924 | 60076 | 82581 | 30 |
| 80 | 22588 | 40063 | 59937 | 82525 | 20 |
| 90 | 22671 | 40202 | 59798 | 82469 | 10 |
| **74 oo** | 22754 | 40341 | 59659 | 82413 | **26 oo** |
| 10 | 22838 | 40480 | 59520 | 82357 | 90 |
| 20 | 22921 | 40619 | 59381 | 82301 | 80 |
| 30 | 23004 | 40758 | 59242 | 82246 | 70 |
| 40 | 23087 | 40897 | 59103 | 82190 | 60 |
| 50 | 23170 | 41037 | 58963 | 82134 | 50 |
| 60 | 23253 | 41176 | 58824 | 82078 | 40 |
| 70 | 23336 | 41315 | 58685 | 82022 | 30 |
| 80 | 23420 | 41454 | 58546 | 81966 | 20 |
| 90 | 23503 | 41593 | 58407 | 81910 | 10 |
| **75 oo** | 23586 | 41732 | 58268 | 81854 | **25 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | 56g |
| | 83 | 139 | 139 | 56 | |

| 43g | 84 | 140 | 140 | 56 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **75 oo** | 23586 | 41732 | 58268 | 81854 | **25 oo** |
| 10 | 23669 | 41871 | 58129 | 81798 | 90 |
| 20 | 23752 | 42010 | 57990 | 81742 | 80 |
| 30 | 23835 | 42149 | 57851 | 81686 | 70 |
| 40 | 23918 | 42289 | 57711 | 81630 | 60 |
| 50 | 24001 | 42428 | 57572 | 81574 | 50 |
| 60 | 24084 | 42567 | 57433 | 81518 | 40 |
| 70 | 24168 | 42706 | 57294 | 81462 | 30 |
| 80 | 24251 | 42845 | 57155 | 81406 | 20 |
| 90 | 24334 | 42984 | 57016 | 81350 | 10 |
| **76 oo** | 24417 | 43123 | 56877 | 81294 | **24 oo** |
| 10 | 24500 | 43262 | 56738 | 81238 | 90 |
| 20 | 24583 | 43401 | 56599 | 81182 | 80 |
| 30 | 24666 | 43540 | 56460 | 81126 | 70 |
| 40 | 24749 | 43680 | 56320 | 81070 | 60 |
| 50 | 24832 | 43819 | 56181 | 81014 | 50 |
| 60 | 24915 | 43958 | 56042 | 80958 | 40 |
| 70 | 24999 | 44097 | 55903 | 80902 | 30 |
| 80 | 25082 | 44236 | 55764 | 80846 | 20 |
| 90 | 25165 | 44375 | 55625 | 80790 | 10 |
| **77 oo** | 25248 | 44514 | 55486 | 80734 | **23 oo** |
| 10 | 25331 | 44653 | 55347 | 80678 | 90 |
| 20 | 25414 | 44792 | 55208 | 80622 | 80 |
| 30 | 25497 | 44931 | 55069 | 80566 | 70 |
| 40 | 25580 | 45071 | 54929 | 80509 | 60 |
| 50 | 25663 | 45210 | 54790 | 80453 | 50 |
| 60 | 25746 | 45349 | 54651 | 80397 | 40 |
| 70 | 25829 | 45488 | 54512 | 80341 | 30 |
| 80 | 25912 | 45627 | 54373 | 80285 | 20 |
| 90 | 25995 | 45766 | 54234 | 80229 | 10 |
| **78 oo** | 26078 | 45905 | 54095 | 80173 | **22 oo** |
| 10 | 26161 | 46044 | 53956 | 80117 | 90 |
| 20 | 26244 | 46183 | 53817 | 80061 | 80 |
| 30 | 26327 | 46322 | 53678 | 80005 | 70 |
| 40 | 26410 | 46461 | 53539 | 79949 | 60 |
| 50 | 26494 | 46600 | 53400 | 79893 | 50 |
| 60 | 26577 | 46740 | 53260 | 79837 | 40 |
| 70 | 26660 | 46879 | 53121 | 79781 | 30 |
| 80 | 26743 | 47018 | 52982 | 79725 | 20 |
| 90 | 26826 | 47157 | 52843 | 79669 | 10 |
| **79 oo** | 26909 | 47296 | 52704 | 79613 | **21 oo** |
| 10 | 26992 | 47435 | 52565 | 79557 | 90 |
| 20 | 27075 | 47574 | 52426 | 79501 | 80 |
| 30 | 27158 | 47713 | 52287 | 79445 | 70 |
| 40 | 27241 | 47852 | 52148 | 79389 | 60 |
| 50 | 27324 | 47991 | 52009 | 79332 | 50 |
| 60 | 27407 | 48130 | 51870 | 79276 | 40 |
| 70 | 27490 | 48269 | 51731 | 79220 | 30 |
| 80 | 27573 | 48408 | 51592 | 79164 | 20 |
| 90 | 27656 | 48547 | 51453 | 79108 | 10 |
| **80 oo** | 27739 | 48687 | 51313 | 79052 | **20 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | 56g |
| | 83 | 139 | 139 | 57 | |

| | 140 | 139 | 84 | 83 | 57 | 56 | 55 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14,0 | 13,9 | 8,4 | 8,3 | 5,7 | 5,6 | 5,5 | 1 |
| 2 | 28,0 | 27,8 | 16,8 | 16,6 | 11,4 | 11,2 | 11,0 | 2 |
| 3 | 42,0 | 41,7 | 25,2 | 24,9 | 17,1 | 16,8 | 16,5 | 3 |
| 4 | 56,0 | 55,6 | 33,6 | 33,2 | 22,8 | 22,4 | 22,0 | 4 |
| 5 | 70,0 | 69,5 | 42,0 | 41,5 | 28,5 | 28,0 | 27,5 | 5 |
| 6 | 84,0 | 83,4 | 50,4 | 49,8 | 34,2 | 33,6 | 33,0 | 6 |
| 7 | 98,0 | 97,3 | 58,8 | 58,1 | 39,9 | 39,2 | 38,5 | 7 |
| 8 | 112,0 | 111,2 | 67,2 | 66,4 | 45,6 | 44,8 | 44,0 | 8 |
| 9 | 126,0 | 125,1 | 75,6 | 74,7 | 51,3 | 50,4 | 49,5 | 9 |

| $43^g$ | 83 | 140 | 140 | 56 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **80 oo** | 27739 | 48687 | 51313 | 79052 | **20 oo** |
| 10 | 27822 | 48826 | 51174 | 78996 | 90 |
| 20 | 27905 | 48965 | 51035 | 78940 | 80 |
| 30 | 27988 | 49104 | 50896 | 78884 | 70 |
| 40 | 28071 | 49243 | 50757 | 78828 | 60 |
| 50 | 28154 | 49382 | 50618 | 78772 | 50 |
| 60 | 28237 | 49521 | 50479 | 78716 | 40 |
| 70 | 28320 | 49660 | 50340 | 78660 | 30 |
| 80 | 28403 | 49799 | 50201 | 78603 | 20 |
| 90 | 28486 | 49938 | 50062 | 78547 | 10 |
| **81 oo** | 28568 | 50077 | 49923 | 78491 | **19 oo** |
| 10 | 28651 | 50216 | 49784 | 78435 | 90 |
| 20 | 28734 | 50355 | 49645 | 78379 | 80 |
| 30 | 28817 | 50494 | 49506 | 78323 | 70 |
| 40 | 28900 | 50633 | 49367 | 78267 | 60 |
| 50 | 28983 | 50772 | 49228 | 78211 | 50 |
| 60 | 29066 | 50912 | 49088 | 78155 | 40 |
| 70 | 29149 | 51051 | 48949 | 78099 | 30 |
| 80 | 29232 | 51190 | 48810 | 78042 | 20 |
| 90 | 29315 | 51329 | 48671 | 77986 | 10 |
| **82 oo** | 29398 | 51468 | 48532 | 77930 | **18 oo** |
| 10 | 29481 | 51607 | 48393 | 77874 | 90 |
| 20 | 29564 | 51746 | 48254 | 77818 | 80 |
| 30 | 29647 | 51885 | 48115 | 77762 | 70 |
| 40 | 29730 | 52024 | 47976 | 77706 | 60 |
| 50 | 29813 | 52163 | 47837 | 77650 | 50 |
| 60 | 29896 | 52302 | 47698 | 77594 | 40 |
| 70 | 29978 | 52441 | 47559 | 77537 | 30 |
| 80 | 30061 | 52580 | 47420 | 77481 | 20 |
| 90 | 30144 | 52719 | 47281 | 77425 | 10 |
| **83 oo** | 30227 | 52858 | 47142 | 77369 | **17 oo** |
| 10 | 30310 | 52997 | 47003 | 77313 | 90 |
| 20 | 30393 | 53136 | 46864 | 77257 | 80 |
| 30 | 30476 | 53275 | 46725 | 77201 | 70 |
| 40 | 30559 | 53414 | 46586 | 77145 | 60 |
| 50 | 30642 | 53553 | 46447 | 77088 | 50 |
| 60 | 30725 | 53692 | 46308 | 77032 | 40 |
| 70 | 30808 | 53831 | 46169 | 76976 | 30 |
| 80 | 30890 | 53970 | 46030 | 76920 | 20 |
| 90 | 30973 | 54110 | 45890 | 76864 | 10 |
| **84 oo** | 31056 | 54249 | 45751 | 76808 | **16 oo** |
| 10 | 31139 | 54388 | 45612 | 76752 | 90 |
| 20 | 31222 | 54527 | 45473 | 76695 | 80 |
| 30 | 31305 | 54666 | 45334 | 76639 | 70 |
| 40 | 31388 | 54805 | 45195 | 76583 | 60 |
| 50 | 31471 | 54944 | 45056 | 76527 | 50 |
| 60 | 31554 | 55083 | 44917 | 76471 | 40 |
| 70 | 31636 | 55222 | 44778 | 76415 | 30 |
| 80 | 31719 | 55361 | 44639 | 76358 | 20 |
| 90 | 31802 | 55500 | 44500 | 76302 | 10 |
| **85 oo** | 31885 | 55639 | 44361 | 76246 | **15 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | $56^g$ |
| | 82 | 139 | 139 | 57 | |

| $43^g$ | 83 | 139 | 139 | 56 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **85 oo** | 31885 | 55639 | 44361 | 76246 | **15 oo** |
| 10 | 31968 | 55778 | 44222 | 76190 | 90 |
| 20 | 32051 | 55917 | 44083 | 76134 | 80 |
| 30 | 32134 | 56056 | 43944 | 76078 | 70 |
| 40 | 32216 | 56195 | 43805 | 76021 | 60 |
| 50 | 32299 | 56334 | 43666 | 75965 | 50 |
| 60 | 32382 | 56473 | 43527 | 75909 | 40 |
| 70 | 32465 | 56612 | 43388 | 75853 | 30 |
| 80 | 32548 | 56751 | 43249 | 75797 | 20 |
| 90 | 32631 | 56890 | 43110 | 75741 | 10 |
| **86 oo** | 32713 | 57029 | 42971 | 75684 | **14 oo** |
| 10 | 32796 | 57168 | 42832 | 75628 | 90 |
| 20 | 32879 | 57307 | 42693 | 75572 | 80 |
| 30 | 32962 | 57446 | 42554 | 75516 | 70 |
| 40 | 33045 | 57585 | 42415 | 75460 | 60 |
| 50 | 33128 | 57724 | 42276 | 75403 | 50 |
| 60 | 33210 | 57863 | 42137 | 75347 | 40 |
| 70 | 33293 | 58002 | 41998 | 75291 | 30 |
| 80 | 33376 | 58141 | 41859 | 75235 | 20 |
| 90 | 33459 | 58280 | 41720 | 75179 | 10 |
| **87 oo** | 33542 | 58419 | 41581 | 75122 | **13 oo** |
| 10 | 33624 | 58558 | 41442 | 75066 | 90 |
| 20 | 33707 | 58697 | 41303 | 75010 | 80 |
| 30 | 33790 | 58836 | 41164 | 74954 | 70 |
| 40 | 33873 | 58975 | 41025 | 74898 | 60 |
| 50 | 33956 | 59114 | 40886 | 74841 | 50 |
| 60 | 34038 | 59253 | 40747 | 74785 | 40 |
| 70 | 34121 | 59392 | 40608 | 74729 | 30 |
| 80 | 34204 | 59531 | 40469 | 74673 | 20 |
| 90 | 34287 | 59670 | 40330 | 74617 | 10 |
| **88 oo** | 34370 | 59809 | 40191 | 74560 | **12 oo** |
| 10 | 34452 | 59948 | 40052 | 74504 | 90 |
| 20 | 34535 | 60087 | 39913 | 74448 | 80 |
| 30 | 34618 | 60226 | 39774 | 74392 | 70 |
| 40 | 34701 | 60365 | 39635 | 74335 | 60 |
| 50 | 34783 | 60504 | 39496 | 74279 | 50 |
| 60 | 34866 | 60643 | 39357 | 74223 | 40 |
| 70 | 34949 | 60782 | 39218 | 74167 | 30 |
| 80 | 35032 | 60921 | 39079 | 74111 | 20 |
| 90 | 35114 | 61060 | 38940 | 74054 | 10 |
| **89 oo** | 35197 | 61199 | 38801 | 73998 | **11 oo** |
| 10 | 35280 | 61338 | 38662 | 73942 | 90 |
| 20 | 35363 | 61477 | 38523 | 73886 | 80 |
| 30 | 35445 | 61616 | 38384 | 73829 | 70 |
| 40 | 35528 | 61755 | 38245 | 73773 | 60 |
| 50 | 35611 | 61894 | 38106 | 73717 | 50 |
| 60 | 35694 | 62033 | 37967 | 73661 | 40 |
| 70 | 35776 | 62172 | 37828 | 73604 | 30 |
| 80 | 35859 | 62311 | 37689 | 73548 | 20 |
| 90 | 35942 | 62450 | 37550 | 73492 | 10 |
| **90 oo** | 36025 | 62589 | 37411 | 73436 | **10 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | $56^g$ |
| | 82 | 139 | 139 | 57 | |

| | 140 | 139 | 83 | 82 | 57 | 56 | |
|---|---|---|---|---|---|---|---|
| 1 | 14,0 | 13,9 | 8,3 | 8,2 | 5,7 | 5,6 | 1 |
| 2 | 28,0 | 27,8 | 16,6 | 16,4 | 11,4 | 11,2 | 2 |
| 3 | 42,0 | 41,7 | 24,9 | 24,6 | 17,1 | 16,8 | 3 |
| 4 | 56,0 | 55,6 | 33,2 | 32,8 | 22,8 | 22,4 | 4 |
| 5 | 70,0 | 69,5 | 41,5 | 41,0 | 28,5 | 28,0 | 5 |
| 6 | 84,0 | 83,4 | 49,8 | 49,2 | 34,2 | 33,6 | 6 |
| 7 | 98,0 | 97,3 | 58,1 | 57,4 | 39,9 | 39,2 | 7 |
| 8 | 112,0 | 111,2 | 66,4 | 65,6 | 45,6 | 44,8 | 8 |
| 9 | 126,0 | 125,1 | 74,7 | 73,8 | 51,3 | 50,4 | 9 |

| 43g | 83 | 139 | 139 | 56 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **90 oo** | 36025 | 62589 | 37411 | 73436 | **10 oo** |
| 10 | 36107 | 62728 | 37272 | 73379 | 90 |
| 20 | 36190 | 62867 | 37133 | 73323 | 80 |
| 30 | 36273 | 63006 | 36994 | 73267 | 70 |
| 40 | 36355 | 63145 | 36855 | 73211 | 60 |
| 50 | 36438 | 63284 | 36716 | 73154 | 50 |
| 60 | 36521 | 63423 | 36577 | 73098 | 40 |
| 70 | 36604 | 63562 | 36438 | 73042 | 30 |
| 80 | 36686 | 63701 | 36299 | 72986 | 20 |
| 90 | 36769 | 63840 | 36160 | 72929 | 10 |
| **91 oo** | 36852 | 63979 | 36021 | 72873 | **09 oo** |
| 10 | 36934 | 64118 | 35882 | 72817 | 90 |
| 20 | 37017 | 64257 | 35743 | 72760 | 80 |
| 30 | 37100 | 64396 | 35604 | 72704 | 70 |
| 40 | 37183 | 64535 | 35465 | 72648 | 60 |
| 50 | 37265 | 64674 | 35326 | 72592 | 50 |
| 60 | 37348 | 64813 | 35187 | 72535 | 40 |
| 70 | 37431 | 64952 | 35048 | 72479 | 30 |
| 80 | 37513 | 65091 | 34909 | 72423 | 20 |
| 90 | 37596 | 65229 | 34771 | 72366 | 10 |
| **92 oo** | 37679 | 65368 | 34632 | 72310 | **08 oo** |
| 10 | 37761 | 65507 | 34493 | 72254 | 90 |
| 20 | 37844 | 65646 | 34354 | 72198 | 80 |
| 30 | 37927 | 65785 | 34215 | 72141 | 70 |
| 40 | 38009 | 65924 | 34076 | 72085 | 60 |
| 50 | 38092 | 66063 | 33937 | 72029 | 50 |
| 60 | 38175 | 66202 | 33798 | 71972 | 40 |
| 70 | 38257 | 66341 | 33659 | 71916 | 30 |
| 80 | 38340 | 66480 | 33520 | 71860 | 20 |
| 90 | 38423 | 66619 | 33381 | 71803 | 10 |
| **93 oo** | 38505 | 66758 | 33242 | 71747 | **07 oo** |
| 10 | 38588 | 66897 | 33103 | 71691 | 90 |
| 20 | 38670 | 67036 | 32964 | 71635 | 80 |
| 30 | 38753 | 67175 | 32825 | 71578 | 70 |
| 40 | 38836 | 67314 | 32686 | 71522 | 60 |
| 50 | 38918 | 67453 | 32547 | 71466 | 50 |
| 60 | 39001 | 67592 | 32408 | 71409 | 40 |
| 70 | 39084 | 67731 | 32269 | 71353 | 30 |
| 80 | 39166 | 67870 | 32130 | 71297 | 20 |
| 90 | 39249 | 68009 | 31991 | 71240 | 10 |
| **94 oo** | 39332 | 68148 | 31852 | 71184 | **06 oo** |
| 10 | 39414 | 68287 | 31713 | 71128 | 90 |
| 20 | 39497 | 68425 | 31575 | 71071 | 80 |
| 30 | 39579 | 68564 | 31436 | 71015 | 70 |
| 40 | 39662 | 68703 | 31297 | 70959 | 60 |
| 50 | 39745 | 68842 | 31158 | 70902 | 50 |
| 60 | 39827 | 68981 | 31019 | 70846 | 40 |
| 70 | 39910 | 69120 | 30880 | 70790 | 30 |
| 80 | 39992 | 69259 | 30741 | 70733 | 20 |
| 90 | 40075 | 69398 | 30602 | 70677 | 10 |
| **95 oo** | 40158 | 69537 | 30463 | 70621 | **05 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 82 | 138 | 138 | 57 | **56g** |

| 43g | 83 | 139 | 139 | 56 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **95 oo** | 40158 | 69537 | 30463 | 70621 | **05 oo** |
| 10 | 40240 | 69676 | 30324 | 70564 | 90 |
| 20 | 40323 | 69815 | 30185 | 70508 | 80 |
| 30 | 40405 | 69954 | 30046 | 70452 | 70 |
| 40 | 40488 | 70093 | 29907 | 70395 | 60 |
| 50 | 40571 | 70232 | 29768 | 70339 | 50 |
| 60 | 40653 | 70371 | 29629 | 70282 | 40 |
| 70 | 40736 | 70510 | 29490 | 70226 | 30 |
| 80 | 40818 | 70649 | 29351 | 70170 | 20 |
| 90 | 40901 | 70787 | 29213 | 70113 | 10 |
| **96 oo** | 40983 | 70926 | 29074 | 70057 | **04 oo** |
| 10 | 41066 | 71065 | 28935 | 70001 | 90 |
| 20 | 41149 | 71204 | 28796 | 69944 | 80 |
| 30 | 41231 | 71343 | 28657 | 69888 | 70 |
| 40 | 41314 | 71482 | 28518 | 69832 | 60 |
| 50 | 41396 | 71621 | 28379 | 69775 | 50 |
| 60 | 41479 | 71760 | 28240 | 69719 | 40 |
| 70 | 41561 | 71899 | 28101 | 69662 | 30 |
| 80 | 41644 | 72038 | 27962 | 69606 | 20 |
| 90 | 41726 | 72177 | 27823 | 69550 | 10 |
| **97 oo** | 41809 | 72316 | 27684 | 69493 | **03 oo** |
| 10 | 41892 | 72455 | 27545 | 69437 | 90 |
| 20 | 41974 | 72594 | 27406 | 69381 | 80 |
| 30 | 42057 | 72732 | 27268 | 69324 | 70 |
| 40 | 42139 | 72871 | 27129 | 69268 | 60 |
| 50 | 42222 | 73010 | 26990 | 69211 | 50 |
| 60 | 42304 | 73149 | 26851 | 69155 | 40 |
| 70 | 42387 | 73288 | 26712 | 69099 | 30 |
| 80 | 42469 | 73427 | 26573 | 69042 | 20 |
| 90 | 42552 | 73566 | 26434 | 68986 | 10 |
| **98 oo** | 42634 | 73705 | 26295 | 68929 | **02 oo** |
| 10 | 42717 | 73844 | 26156 | 68873 | 90 |
| 20 | 42799 | 73983 | 26017 | 68817 | 80 |
| 30 | 42882 | 74122 | 25878 | 68760 | 70 |
| 40 | 42964 | 74260 | 25740 | 68704 | 60 |
| 50 | 43047 | 74399 | 25601 | 68647 | 50 |
| 60 | 43129 | 74538 | 25462 | 68591 | 40 |
| 70 | 43212 | 74677 | 25323 | 68535 | 30 |
| 80 | 43294 | 74816 | 25184 | 68478 | 20 |
| 90 | 43377 | 74955 | 25045 | 68422 | 10 |
| **99 oo** | 43459 | 75094 | 24906 | 68365 | **01 oo** |
| 10 | 43542 | 75233 | 24767 | 68309 | 90 |
| 20 | 43624 | 75372 | 24628 | 68252 | 80 |
| 30 | 43707 | 75511 | 24489 | 68196 | 70 |
| 40 | 43789 | 75650 | 24350 | 68140 | 60 |
| 50 | 43872 | 75788 | 24212 | 68083 | 50 |
| 60 | 43954 | 75927 | 24073 | 68027 | 40 |
| 70 | 44037 | 76066 | 23934 | 67970 | 30 |
| 80 | 44119 | 76205 | 23795 | 67914 | 20 |
| 90 | 44202 | 76344 | 23656 | 67858 | 10 |
| **100 oo** | 44284 | 76483 | 23517 | 67801 | **00 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 82 | 138 | 138 | 57 | **56g** |

| | 139 | 138 | 83 | 82 | 57 | 56 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,3 | 8,2 | 5,7 | 5,6 | 1 |
| 2 | 27,8 | 27,6 | 16,6 | 16,4 | 11,4 | 11,2 | 2 |
| 3 | 41,7 | 41,4 | 24,9 | 24,6 | 17,1 | 16,8 | 3 |
| 4 | 55,6 | 55,2 | 33,2 | 32,8 | 22,8 | 22,4 | 4 |
| 5 | 69,5 | 69,0 | 41,5 | 41,0 | 28,5 | 28,0 | 5 |
| 6 | 83,4 | 82,8 | 49,8 | 49,2 | 34,2 | 33,6 | 6 |
| 7 | 97,3 | 96,6 | 58,1 | 57,4 | 39,9 | 39,2 | 7 |
| 8 | 111,2 | 110,4 | 66,4 | 65,6 | 45,6 | 44,8 | 8 |
| 9 | 125,1 | 124,2 | 74,7 | 73,8 | 51,3 | 50,4 | 9 |

| 44g | 83 | 139 | 139 | 56 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **00 oo** | 44284 | 76483 | 23517 | 67801 | **100 oo** |
| 10 | 44367 | 76622 | 23378 | 67745 | 90 |
| 20 | 44449 | 76761 | 23239 | 67688 | 80 |
| 30 | 44531 | 76900 | 23100 | 67632 | 70 |
| 40 | 44614 | 77039 | 22961 | 67575 | 60 |
| 50 | 44696 | 77177 | 22823 | 67519 | 50 |
| 60 | 44779 | 77316 | 22684 | 67462 | 40 |
| 70 | 44861 | 77455 | 22545 | 67406 | 30 |
| 80 | 44944 | 77594 | 22406 | 67350 | 20 |
| 90 | 45026 | 77733 | 22267 | 67293 | 10 |
| **01 oo** | 45109 | 77872 | 22128 | 67237 | **99 oo** |
| 10 | 45191 | 78011 | 21989 | 67180 | 90 |
| 20 | 45273 | 78150 | 21850 | 67124 | 80 |
| 30 | 45356 | 78289 | 21711 | 67067 | 70 |
| 40 | 45438 | 78427 | 21573 | 67011 | 60 |
| 50 | 45521 | 78566 | 21434 | 66954 | 50 |
| 60 | 45603 | 78705 | 21295 | 66898 | 40 |
| 70 | 45686 | 78844 | 21156 | 66841 | 30 |
| 80 | 45768 | 78983 | 21017 | 66785 | 20 |
| 90 | 45850 | 79122 | 20878 | 66728 | 10 |
| **02 oo** | 45933 | 79261 | 20739 | 66672 | **98 oo** |
| 10 | 46015 | 79400 | 20600 | 66616 | 90 |
| 20 | 46098 | 79539 | 20461 | 66559 | 80 |
| 30 | 46180 | 79677 | 20323 | 66503 | 70 |
| 40 | 46262 | 79816 | 20184 | 66446 | 60 |
| 50 | 46345 | 79955 | 20045 | 66390 | 50 |
| 60 | 46427 | 80094 | 19906 | 66333 | 40 |
| 70 | 46510 | 80233 | 19767 | 66277 | 30 |
| 80 | 46592 | 80372 | 19628 | 66220 | 20 |
| 90 | 46674 | 80511 | 19489 | 66164 | 10 |
| **03 oo** | 46757 | 80650 | 19350 | 66107 | **97 oo** |
| 10 | 46839 | 80788 | 19212 | 66051 | 90 |
| 20 | 46921 | 80927 | 19073 | 65994 | 80 |
| 30 | 47004 | 81066 | 18934 | 65938 | 70 |
| 40 | 47086 | 81205 | 18795 | 65881 | 60 |
| 50 | 47169 | 81344 | 18656 | 65825 | 50 |
| 60 | 47251 | 81483 | 18517 | 65768 | 40 |
| 70 | 47333 | 81622 | 18378 | 65712 | 30 |
| 80 | 47416 | 81760 | 18240 | 65655 | 20 |
| 90 | 47498 | 81899 | 18101 | 65599 | 10 |
| **04 oo** | 47580 | 82038 | 17962 | 65542 | **96 oo** |
| 10 | 47663 | 82177 | 17823 | 65486 | 90 |
| 20 | 47745 | 82316 | 17684 | 65429 | 80 |
| 30 | 47827 | 82455 | 17545 | 65373 | 70 |
| 40 | 47910 | 82594 | 17406 | 65316 | 60 |
| 50 | 47992 | 82733 | 17267 | 65260 | 50 |
| 60 | 48075 | 82871 | 17129 | 65203 | 40 |
| 70 | 48157 | 83010 | 16990 | 65147 | 30 |
| 80 | 48239 | 83149 | 16851 | 65090 | 20 |
| 90 | 48322 | 83288 | 16712 | 65034 | 10 |
| **05 oo** | 48404 | 83427 | 16573 | 64977 | **95 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 82 | 138 | 138 | 57 | 55g |

| 44g | 83 | 139 | 139 | 56 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **05 oo** | 48404 | 83427 | 16573 | 64977 | **95 oo** |
| 10 | 48486 | 83566 | 16434 | 64921 | 90 |
| 20 | 48569 | 83705 | 16295 | 64864 | 80 |
| 30 | 48651 | 83843 | 16157 | 64807 | 70 |
| 40 | 48733 | 83982 | 16018 | 64751 | 60 |
| 50 | 48815 | 84121 | 15879 | 64694 | 50 |
| 60 | 48898 | 84260 | 15740 | 64638 | 40 |
| 70 | 48980 | 84399 | 15601 | 64581 | 30 |
| 80 | 49062 | 84538 | 15462 | 64525 | 20 |
| 90 | 49145 | 84677 | 15323 | 64468 | 10 |
| **06 oo** | 49227 | 84815 | 15185 | 64412 | **94 oo** |
| 10 | 49309 | 84954 | 15046 | 64355 | 90 |
| 20 | 49392 | 85093 | 14907 | 64299 | 80 |
| 30 | 49474 | 85232 | 14768 | 64242 | 70 |
| 40 | 49556 | 85371 | 14629 | 64186 | 60 |
| 50 | 49639 | 85510 | 14490 | 64129 | 50 |
| 60 | 49721 | 85648 | 14352 | 64072 | 40 |
| 70 | 49803 | 85787 | 14213 | 64016 | 30 |
| 80 | 49885 | 85926 | 14074 | 63959 | 20 |
| 90 | 49968 | 86065 | 13935 | 63903 | 10 |
| **07 oo** | 50050 | 86204 | 13796 | 63846 | **93 oo** |
| 10 | 50132 | 86343 | 13657 | 63790 | 90 |
| 20 | 50215 | 86481 | 13519 | 63733 | 80 |
| 30 | 50297 | 86620 | 13380 | 63676 | 70 |
| 40 | 50379 | 86759 | 13241 | 63620 | 60 |
| 50 | 50461 | 86898 | 13102 | 63563 | 50 |
| 60 | 50544 | 87037 | 12963 | 63507 | 40 |
| 70 | 50626 | 87176 | 12824 | 63450 | 30 |
| 80 | 50708 | 87314 | 12686 | 63394 | 20 |
| 90 | 50790 | 87453 | 12547 | 63337 | 10 |
| **08 oo** | 50873 | 87592 | 12408 | 63280 | **92 oo** |
| 10 | 50955 | 87731 | 12269 | 63224 | 90 |
| 20 | 51037 | 87870 | 12130 | 63167 | 80 |
| 30 | 51119 | 88009 | 11991 | 63111 | 70 |
| 40 | 51202 | 88147 | 11853 | 63054 | 60 |
| 50 | 51284 | 88286 | 11714 | 62998 | 50 |
| 60 | 51366 | 88425 | 11575 | 62941 | 40 |
| 70 | 51448 | 88564 | 11436 | 62884 | 30 |
| 80 | 51531 | 88703 | 11297 | 62828 | 20 |
| 90 | 51613 | 88842 | 11158 | 62771 | 10 |
| **09 oo** | 51695 | 88980 | 11020 | 62715 | **91 oo** |
| 10 | 51777 | 89119 | 10881 | 62658 | 90 |
| 20 | 51859 | 89258 | 10742 | 62601 | 80 |
| 30 | 51942 | 89397 | 10603 | 62545 | 70 |
| 40 | 52024 | 89536 | 10464 | 62488 | 60 |
| 50 | 52106 | 89675 | 10325 | 62432 | 50 |
| 60 | 52188 | 89813 | 10187 | 62375 | 40 |
| 70 | 52271 | 89952 | 10048 | 62318 | 30 |
| 80 | 52353 | 90091 | 09909 | 62262 | 20 |
| 90 | 52435 | 90230 | 09770 | 62205 | 10 |
| **10 oo** | 52517 | 90369 | 09631 | 62148 | **90 oo** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 82 | 138 | 138 | 57 | 55g |

| | 139 | 138 | 83 | 82 | 57 | 56 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,3 | 8,2 | 5,7 | 5,6 | 1 |
| 2 | 27,8 | 27,6 | 16,6 | 16,4 | 11,4 | 11,2 | 2 |
| 3 | 41,7 | 41,4 | 24,9 | 24,6 | 17,1 | 16,8 | 3 |
| 4 | 55,6 | 55,2 | 33,2 | 32,8 | 22,8 | 22,4 | 4 |
| 5 | 69,5 | 69,0 | 41,5 | 41,0 | 28,5 | 28,0 | 5 |
| 6 | 83,4 | 82,8 | 49,8 | 49,2 | 34,2 | 33,6 | 6 |
| 7 | 97,3 | 96,6 | 58,1 | 57,4 | 39,9 | 39,2 | 7 |
| 8 | 111,2 | 110,4 | 66,4 | 65,6 | 45,6 | 44,8 | 8 |
| 9 | 125,1 | 124,2 | 74,7 | 73,8 | 51,3 | 50,4 | 9 |

| 44g | 83 | 139 | 139 | 56 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.91** | **0.08** | **9.88** | |
| **10 00** | 52517 | 90369 | 09631 | 62148 | **90 00** |
| 10 | 52599 | 90507 | 09493 | 62092 | 90 |
| 20 | 52682 | 90646 | 09354 | 62035 | 80 |
| 30 | 52764 | 90785 | 09215 | 61979 | 70 |
| 40 | 52846 | 90924 | 09076 | 61922 | 60 |
| 50 | 52928 | 91063 | 08937 | 61865 | 50 |
| 60 | 53010 | 91202 | 08798 | 61809 | 40 |
| 70 | 53092 | 91340 | 08660 | 61752 | 30 |
| 80 | 53175 | 91479 | 08521 | 61696 | 20 |
| 90 | 53257 | 91618 | 08382 | 61639 | 10 |
| **11 00** | 53339 | 91757 | 08243 | 61582 | **89 00** |
| 10 | 53421 | 91896 | 08104 | 61526 | 90 |
| 20 | 53503 | 92034 | 07966 | 61469 | 80 |
| 30 | 53585 | 92173 | 07827 | 61412 | 70 |
| 40 | 53668 | 92312 | 07688 | 61356 | 60 |
| 50 | 53750 | 92451 | 07549 | 61299 | 50 |
| 60 | 53832 | 92590 | 07410 | 61242 | 40 |
| 70 | 53914 | 92728 | 07272 | 61186 | 30 |
| 80 | 53996 | 92867 | 07133 | 61129 | 20 |
| 90 | 54078 | 93006 | 06994 | 61072 | 10 |
| **12 00** | 54161 | 93145 | 06855 | 61016 | **88 00** |
| 10 | 54243 | 93284 | 06716 | 60959 | 90 |
| 20 | 54325 | 93422 | 06578 | 60902 | 80 |
| 30 | 54407 | 93561 | 06439 | 60846 | 70 |
| 40 | 54489 | 93700 | 06300 | 60789 | 60 |
| 50 | 54571 | 93839 | 06161 | 60733 | 50 |
| 60 | 54653 | 93978 | 06022 | 60676 | 40 |
| 70 | 54736 | 94116 | 05884 | 60619 | 30 |
| 80 | 54818 | 94255 | 05745 | 60563 | 20 |
| 90 | 54900 | 94394 | 05606 | 60506 | 10 |
| **13 00** | 54982 | 94533 | 05467 | 60449 | **87 00** |
| 10 | 55064 | 94672 | 05328 | 60393 | 90 |
| 20 | 55146 | 94810 | 05190 | 60336 | 80 |
| 30 | 55228 | 94949 | 05051 | 60279 | 70 |
| 40 | 55310 | 95088 | 04912 | 60222 | 60 |
| 50 | 55392 | 95227 | 04773 | 60166 | 50 |
| 60 | 55475 | 95365 | 04635 | 60109 | 40 |
| 70 | 55557 | 95504 | 04496 | 60052 | 30 |
| 80 | 55639 | 95643 | 04357 | 59996 | 20 |
| 90 | 55721 | 95782 | 04218 | 59939 | 10 |
| **14 00** | 55803 | 95921 | 04079 | 59882 | **86 00** |
| 10 | 55885 | 96059 | 03941 | 59826 | 90 |
| 20 | 55967 | 96198 | 03802 | 59769 | 80 |
| 30 | 56049 | 96337 | 03663 | 59712 | 70 |
| 40 | 56131 | 96476 | 03524 | 59656 | 60 |
| 50 | 56213 | 96614 | 03386 | 59599 | 50 |
| 60 | 56295 | 96753 | 03247 | 59542 | 40 |
| 70 | 56378 | 96892 | 03108 | 59486 | 30 |
| 80 | 56460 | 97031 | 02969 | 59429 | 20 |
| 90 | 56542 | 97170 | 02830 | 59372 | 10 |
| **15 00** | 56624 | 97308 | 02692 | 59315 | **85 00** |
| | **9.80** | **9.91** | **0.08** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 82 | 138 | 138 | 57 | **55g** |

| 44g | 83 | 139 | 139 | 56 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | ∗**9.91** | ∗**0.08** | **9.88** | |
| **15 00** | 56624 | ∗97308 | ∗02692 | 59315 | **85 00** |
| 10 | 56706 | ∗97447 | ∗02553 | 59259 | 90 |
| 20 | 56788 | ∗97586 | ∗02414 | 59202 | 80 |
| 30 | 56870 | ∗97725 | ∗02275 | 59145 | 70 |
| 40 | 56952 | ∗97863 | ∗02137 | 59089 | 60 |
| 50 | 57034 | ∗98002 | ∗01998 | 59032 | 50 |
| 60 | 57116 | ∗98141 | ∗01859 | 58975 | 40 |
| 70 | 57198 | ∗98280 | ∗01720 | 58918 | 30 |
| 80 | 57280 | ∗98419 | ∗01581 | 58862 | 20 |
| 90 | 57362 | ∗98557 | ∗01443 | 58805 | 10 |
| **16 00** | 57444 | ∗98696 | ∗01304 | 58748 | **84 00** |
| 10 | 57526 | ∗98835 | ∗01165 | 58692 | 90 |
| 20 | 57608 | ∗98974 | ∗01026 | 58635 | 80 |
| 30 | 57690 | ∗99112 | ∗00888 | 58578 | 70 |
| 40 | 57772 | ∗99251 | ∗00749 | 58521 | 60 |
| 50 | 57855 | ∗99390 | ∗00610 | 58465 | 50 |
| 60 | 57937 | ∗99529 | ∗00471 | 58408 | 40 |
| 70 | 58019 | ∗99667 | ∗00333 | 58351 | 30 |
| 80 | 58101 | ∗99806 | ∗00194 | 58294 | 20 |
| 90 | 58183 | ∗99945 | ∗00055 | 58238 | 10 |
| **17 00** | 58265 | 00084 | 99916 | 58181 | **83 00** |
| 10 | 58347 | 00222 | 99778 | 58124 | 90 |
| 20 | 58429 | 00361 | 99639 | 58067 | 80 |
| 30 | 58511 | 00500 | 99500 | 58011 | 70 |
| 40 | 58593 | 00639 | 99361 | 57954 | 60 |
| 50 | 58675 | 00777 | 99223 | 57897 | 50 |
| 60 | 58757 | 00916 | 99084 | 57840 | 40 |
| 70 | 58839 | 01055 | 98945 | 57784 | 30 |
| 80 | 58921 | 01194 | 98806 | 57727 | 20 |
| 90 | 59003 | 01332 | 98668 | 57670 | 10 |
| **18 00** | 59085 | 01471 | 98529 | 57613 | **82 00** |
| 10 | 59167 | 01610 | 98390 | 57557 | 90 |
| 20 | 59249 | 01749 | 98251 | 57500 | 80 |
| 30 | 59331 | 01887 | 98113 | 57443 | 70 |
| 40 | 59413 | 02026 | 97974 | 57386 | 60 |
| 50 | 59495 | 02165 | 97835 | 57330 | 50 |
| 60 | 59577 | 02304 | 97696 | 57273 | 40 |
| 70 | 59659 | 02442 | 97558 | 57216 | 30 |
| 80 | 59740 | 02581 | 97419 | 57159 | 20 |
| 90 | 59822 | 02720 | 97280 | 57102 | 10 |
| **19 00** | 59904 | 02859 | 97141 | 57046 | **81 00** |
| 10 | 59986 | 02997 | 97003 | 56989 | 90 |
| 20 | 60068 | 03136 | 96864 | 56932 | 80 |
| 30 | 60150 | 03275 | 96725 | 56875 | 70 |
| 40 | 60232 | 03414 | 96586 | 56819 | 60 |
| 50 | 60314 | 03552 | 96448 | 56762 | 50 |
| 60 | 60396 | 03691 | 96309 | 56705 | 40 |
| 70 | 60478 | 03830 | 96170 | 56648 | 30 |
| 80 | 60560 | 03969 | 96031 | 56591 | 20 |
| 90 | 60642 | 04107 | 95893 | 56535 | 10 |
| **20 00** | 60724 | 04246 | 95754 | 56478 | **80 00** |
| | **9.80** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 81 | 138 | 138 | 57 | **55g** |

| | 139 | 138 | 83 | 82 | 81 | 57 | 56 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,3 | 8,2 | 8,1 | 5,7 | 5,6 | 1 |
| 2 | 27,8 | 27,6 | 16,6 | 16,4 | 16,2 | 11,4 | 11,2 | 2 |
| 3 | 41,7 | 41,4 | 24,9 | 24,6 | 24,3 | 17,1 | 16,8 | 3 |
| 4 | 55,6 | 55,2 | 33,2 | 32,8 | 32,4 | 22,8 | 22,4 | 4 |
| 5 | 69,5 | 69,0 | 41,5 | 41,0 | 40,5 | 28,5 | 28,0 | 5 |
| 6 | 83,4 | 82,8 | 49,8 | 49,2 | 48,6 | 34,2 | 33,6 | 6 |
| 7 | 97,3 | 96,6 | 58,1 | 57,4 | 56,7 | 39,9 | 39,2 | 7 |
| 8 | 111,2 | 110,4 | 66,4 | 65,6 | 64,8 | 45,6 | 44,8 | 8 |
| 9 | 125,1 | 124,2 | 74,7 | 73,8 | 72,9 | 51,3 | 50,4 | 9 |

| 44g | 82 | 139 | 139 | 56 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.92** | **0.07** | **9.88** | |
| **20 oo** | 60724 | 04246 | 95754 | 56478 | **80 oo** |
| 10 | 60806 | 04385 | 95615 | 56421 | 90 |
| 20 | 60888 | 04524 | 95476 | 56364 | 80 |
| 30 | 60970 | 04662 | 95338 | 56307 | 70 |
| 40 | 61052 | 04801 | 95199 | 56251 | 60 |
| 50 | 61134 | 04940 | 95060 | 56194 | 50 |
| 60 | 61215 | 05078 | 94922 | 56137 | 40 |
| 70 | 61297 | 05217 | 94783 | 56080 | 30 |
| 80 | 61379 | 05356 | 94644 | 56023 | 20 |
| 90 | 61461 | 05495 | 94505 | 55967 | 10 |
| **21 oo** | 61543 | 05633 | 94367 | 55910 | **79 oo** |
| 10 | 61625 | 05772 | 94228 | 55853 | 90 |
| 20 | 61707 | 05911 | 94089 | 55796 | 80 |
| 30 | 61789 | 06050 | 93950 | 55739 | 70 |
| 40 | 61871 | 06188 | 93812 | 55682 | 60 |
| 50 | 61953 | 06327 | 93673 | 55626 | 50 |
| 60 | 62035 | 06466 | 93534 | 55569 | 40 |
| 70 | 62116 | 06604 | 93396 | 55512 | 30 |
| 80 | 62198 | 06743 | 93257 | 55455 | 20 |
| 90 | 62280 | 06882 | 93118 | 55398 | 10 |
| **22 oo** | 62362 | 07021 | 92979 | 55341 | **78 oo** |
| 10 | 62444 | 07159 | 92841 | 55285 | 90 |
| 20 | 62526 | 07298 | 92702 | 55228 | 80 |
| 30 | 62608 | 07437 | 92563 | 55171 | 70 |
| 40 | 62690 | 07575 | 92425 | 55114 | 60 |
| 50 | 62772 | 07714 | 92286 | 55057 | 50 |
| 60 | 62853 | 07853 | 92147 | 55000 | 40 |
| 70 | 62935 | 07992 | 92008 | 54944 | 30 |
| 80 | 63017 | 08130 | 91870 | 54887 | 20 |
| 90 | 63099 | 08269 | 91731 | 54830 | 10 |
| **23 oo** | 63181 | 08408 | 91592 | 54773 | **77 oo** |
| 10 | 63263 | 08546 | 91454 | 54716 | 90 |
| 20 | 63345 | 08685 | 91315 | 54659 | 80 |
| 30 | 63426 | 08824 | 91176 | 54603 | 70 |
| 40 | 63508 | 08963 | 91037 | 54546 | 60 |
| 50 | 63590 | 09101 | 90899 | 54489 | 50 |
| 60 | 63672 | 09240 | 90760 | 54432 | 40 |
| 70 | 63754 | 09379 | 90621 | 54375 | 30 |
| 80 | 63836 | 09517 | 90483 | 54318 | 20 |
| 90 | 63917 | 09656 | 90344 | 54261 | 10 |
| **24 oo** | 63999 | 09795 | 90205 | 54204 | **76 oo** |
| 10 | 64081 | 09934 | 90066 | 54148 | 90 |
| 20 | 64163 | 10072 | 89928 | 54091 | 80 |
| 30 | 64245 | 10211 | 89789 | 54034 | 70 |
| 40 | 64327 | 10350 | 89650 | 53977 | 60 |
| 50 | 64408 | 10488 | 89512 | 53920 | 50 |
| 60 | 64490 | 10627 | 89373 | 53863 | 40 |
| 70 | 64572 | 10766 | 89234 | 53806 | 30 |
| 80 | 64654 | 10904 | 89096 | 53749 | 20 |
| 90 | 64736 | 11043 | 88957 | 53693 | 10 |
| **25 oo** | 64817 | 11182 | 88818 | 53636 | **75 oo** |
| | **9.80** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | 55g |
| | 81 | 138 | 138 | 57 | |

| 44g | 82 | 139 | 139 | 56 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.92** | **0.07** | **9.88** | |
| **25 oo** | 64817 | 11182 | 88818 | 53636 | **75 oo** |
| 10 | 64899 | 11321 | 88679 | 53579 | 90 |
| 20 | 64981 | 11459 | 88541 | 53522 | 80 |
| 30 | 65063 | 11598 | 88402 | 53465 | 70 |
| 40 | 65145 | 11737 | 88263 | 53408 | 60 |
| 50 | 65226 | 11875 | 88125 | 53351 | 50 |
| 60 | 65308 | 12014 | 87986 | 53294 | 40 |
| 70 | 65390 | 12153 | 87847 | 53237 | 30 |
| 80 | 65472 | 12291 | 87709 | 53181 | 20 |
| 90 | 65554 | 12430 | 87570 | 53124 | 10 |
| **26 oo** | 65635 | 12569 | 87431 | 53067 | **74 oo** |
| 10 | 65717 | 12707 | 87293 | 53010 | 90 |
| 20 | 65799 | 12846 | 87154 | 52953 | 80 |
| 30 | 65881 | 12985 | 87015 | 52896 | 70 |
| 40 | 65963 | 13123 | 86877 | 52839 | 60 |
| 50 | 66044 | 13262 | 86738 | 52782 | 50 |
| 60 | 66126 | 13401 | 86599 | 52725 | 40 |
| 70 | 66208 | 13540 | 86460 | 52668 | 30 |
| 80 | 66290 | 13678 | 86322 | 52611 | 20 |
| 90 | 66371 | 13817 | 86183 | 52554 | 10 |
| **27 oo** | 66453 | 13956 | 86044 | 52498 | **73 oo** |
| 10 | 66535 | 14094 | 85906 | 52441 | 90 |
| 20 | 66617 | 14233 | 85767 | 52384 | 80 |
| 30 | 66698 | 14372 | 85628 | 52327 | 70 |
| 40 | 66780 | 14510 | 85490 | 52270 | 60 |
| 50 | 66862 | 14649 | 85351 | 52213 | 50 |
| 60 | 66944 | 14788 | 85212 | 52156 | 40 |
| 70 | 67025 | 14926 | 85074 | 52099 | 30 |
| 80 | 67107 | 15065 | 84935 | 52042 | 20 |
| 90 | 67189 | 15204 | 84796 | 51985 | 10 |
| **28 oo** | 67270 | 15342 | 84658 | 51928 | **72 oo** |
| 10 | 67352 | 15481 | 84519 | 51871 | 90 |
| 20 | 67434 | 15620 | 84380 | 51814 | 80 |
| 30 | 67516 | 15758 | 84242 | 51757 | 70 |
| 40 | 67597 | 15897 | 84103 | 51700 | 60 |
| 50 | 67679 | 16036 | 83964 | 51643 | 50 |
| 60 | 67761 | 16174 | 83826 | 51587 | 40 |
| 70 | 67843 | 16313 | 83687 | 51530 | 30 |
| 80 | 67924 | 16452 | 83548 | 51473 | 20 |
| 90 | 68006 | 16590 | 83410 | 51416 | 10 |
| **29 oo** | 68088 | 16729 | 83271 | 51359 | **71 oo** |
| 10 | 68169 | 16868 | 83132 | 51302 | 90 |
| 20 | 68251 | 17006 | 82994 | 51245 | 80 |
| 30 | 68333 | 17145 | 82855 | 51188 | 70 |
| 40 | 68414 | 17284 | 82716 | 51131 | 60 |
| 50 | 68496 | 17422 | 82578 | 51074 | 50 |
| 60 | 68578 | 17561 | 82439 | 51017 | 40 |
| 70 | 68659 | 17700 | 82300 | 50960 | 30 |
| 80 | 68741 | 17838 | 82162 | 50903 | 20 |
| 90 | 68823 | 17977 | 82023 | 50846 | 10 |
| **30 oo** | 68905 | 18116 | 81884 | 50789 | **70 oo** |
| | **9.80** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | 55g |
| | 81 | 138 | 138 | 57 | |

| | 139 | 138 | 82 | 81 | 57 | 56 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,2 | 8,1 | 5,7 | 5,6 | 1 |
| 2 | 27,8 | 27,6 | 16,4 | 16,2 | 11,4 | 11,2 | 2 |
| 3 | 41,7 | 41,4 | 24,6 | 24,3 | 17,1 | 16,8 | 3 |
| 4 | 55,6 | 55,2 | 32,8 | 32,4 | 22,8 | 22,4 | 4 |
| 5 | 69,5 | 69,0 | 41,0 | 40,5 | 28,5 | 28,0 | 5 |
| 6 | 83,4 | 82,8 | 49,2 | 48,6 | 34,2 | 33,6 | 6 |
| 7 | 97,3 | 96,6 | 57,4 | 56,7 | 39,9 | 39,2 | 7 |
| 8 | 111,2 | 110,4 | 65,6 | 64,8 | 45,6 | 44,8 | 8 |
| 9 | 125,1 | 124,2 | 73,8 | 72,9 | 51,3 | 50,4 | 9 |

| $44^g$ | 82 | 139 | 139 | 57 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.92** | **0.07** | **9.88** | |
| **30 00** | 68905 | 18116 | 81884 | 50789 | **70 00** |
| 10 | 68986 | 18254 | 81746 | 50732 | 90 |
| 20 | 69068 | 18393 | 81607 | 50675 | 80 |
| 30 | 69150 | 18532 | 81468 | 50618 | 70 |
| 40 | 69231 | 18670 | 81330 | 50561 | 60 |
| 50 | 69313 | 18809 | 81191 | 50504 | 50 |
| 60 | 69395 | 18947 | 81053 | 50447 | 40 |
| 70 | 69476 | 19086 | 80914 | 50390 | 30 |
| 80 | 69558 | 19225 | 80775 | 50333 | 20 |
| 90 | 69640 | 19363 | 80637 | 50276 | 10 |
| **31 00** | 69721 | 19502 | 80498 | 50219 | **69 00** |
| 10 | 69803 | 19641 | 80359 | 50162 | 90 |
| 20 | 69884 | 19779 | 80221 | 50105 | 80 |
| 30 | 69966 | 19918 | 80082 | 50048 | 70 |
| 40 | 70048 | 20057 | 79943 | 49991 | 60 |
| 50 | 70129 | 20195 | 79805 | 49934 | 50 |
| 60 | 70211 | 20334 | 79666 | 49877 | 40 |
| 70 | 70293 | 20473 | 79527 | 49820 | 30 |
| 80 | 70374 | 20611 | 79389 | 49763 | 20 |
| 90 | 70456 | 20750 | 79250 | 49706 | 10 |
| **32 00** | 70538 | 20888 | 79112 | 49649 | **68 00** |
| 10 | 70619 | 21027 | 78973 | 49592 | 90 |
| 20 | 70701 | 21166 | 78834 | 49535 | 80 |
| 30 | 70782 | 21304 | 78696 | 49478 | 70 |
| 40 | 70864 | 21443 | 78557 | 49421 | 60 |
| 50 | 70946 | 21582 | 78418 | 49364 | 50 |
| 60 | 71027 | 21720 | 78280 | 49307 | 40 |
| 70 | 71109 | 21859 | 78141 | 49250 | 30 |
| 80 | 71190 | 21998 | 78002 | 49193 | 20 |
| 90 | 71272 | 22136 | 77864 | 49136 | 10 |
| **33 00** | 71354 | 22275 | 77725 | 49079 | **67 00** |
| 10 | 71435 | 22413 | 77587 | 49022 | 90 |
| 20 | 71517 | 22552 | 77448 | 48965 | 80 |
| 30 | 71598 | 22691 | 77309 | 48908 | 70 |
| 40 | 71680 | 22829 | 77171 | 48851 | 60 |
| 50 | 71762 | 22968 | 77032 | 48794 | 50 |
| 60 | 71843 | 23107 | 76893 | 48737 | 40 |
| 70 | 71925 | 23245 | 76755 | 48680 | 30 |
| 80 | 72006 | 23384 | 76616 | 48622 | 20 |
| 90 | 72088 | 23522 | 76478 | 48565 | 10 |
| **34 00** | 72169 | 23661 | 76339 | 48508 | **66 00** |
| 10 | 72251 | 23800 | 76200 | 48451 | 90 |
| 20 | 72333 | 23938 | 76062 | 48394 | 80 |
| 30 | 72414 | 24077 | 75923 | 48337 | 70 |
| 40 | 72496 | 24216 | 75784 | 48280 | 60 |
| 50 | 72577 | 24354 | 75646 | 48223 | 50 |
| 60 | 72659 | 24493 | 75507 | 48166 | 40 |
| 70 | 72740 | 24631 | 75369 | 48109 | 30 |
| 80 | 72822 | 24770 | 75230 | 48052 | 20 |
| 90 | 72904 | 24909 | 75091 | 47995 | 10 |
| **35 00** | 72985 | 25047 | 74953 | 47938 | **65 00** |
| | **9.80** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | $55^g$ |
| | 81 | 138 | 138 | 58 | |

| $44^g$ | 82 | 139 | 139 | 57 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.92** | **0.07** | **9.88** | |
| **35 00** | 72985 | 25047 | 74953 | 47938 | **65 00** |
| 10 | 73067 | 25186 | 74814 | 47881 | 90 |
| 20 | 73148 | 25325 | 74675 | 47824 | 80 |
| 30 | 73230 | 25463 | 74537 | 47767 | 70 |
| 40 | 73311 | 25602 | 74398 | 47709 | 60 |
| 50 | 73393 | 25740 | 74260 | 47652 | 50 |
| 60 | 73474 | 25879 | 74121 | 47595 | 40 |
| 70 | 73556 | 26018 | 73982 | 47538 | 30 |
| 80 | 73637 | 26156 | 73844 | 47481 | 20 |
| 90 | 73719 | 26295 | 73705 | 47424 | 10 |
| **36 00** | 73800 | 26433 | 73567 | 47367 | **64 00** |
| 10 | 73882 | 26572 | 73428 | 47310 | 90 |
| 20 | 73963 | 26711 | 73289 | 47253 | 80 |
| 30 | 74045 | 26849 | 73151 | 47196 | 70 |
| 40 | 74126 | 26988 | 73012 | 47139 | 60 |
| 50 | 74208 | 27126 | 72874 | 47081 | 50 |
| 60 | 74289 | 27265 | 72735 | 47024 | 40 |
| 70 | 74371 | 27404 | 72596 | 46967 | 30 |
| 80 | 74452 | 27542 | 72458 | 46910 | 20 |
| 90 | 74534 | 27681 | 72319 | 46853 | 10 |
| **37 00** | 74615 | 27819 | 72181 | 46796 | **63 00** |
| 10 | 74697 | 27958 | 72042 | 46739 | 90 |
| 20 | 74778 | 28097 | 71903 | 46682 | 80 |
| 30 | 74860 | 28235 | 71765 | 46625 | 70 |
| 40 | 74941 | 28374 | 71626 | 46568 | 60 |
| 50 | 75023 | 28512 | 71488 | 46510 | 50 |
| 60 | 75104 | 28651 | 71349 | 46453 | 40 |
| 70 | 75186 | 28790 | 71210 | 46396 | 30 |
| 80 | 75267 | 28928 | 71072 | 46339 | 20 |
| 90 | 75349 | 29067 | 70933 | 46282 | 10 |
| **38 00** | 75430 | 29205 | 70795 | 46225 | **62 00** |
| 10 | 75512 | 29344 | 70656 | 46168 | 90 |
| 20 | 75593 | 29483 | 70517 | 46111 | 80 |
| 30 | 75675 | 29621 | 70379 | 46053 | 70 |
| 40 | 75756 | 29760 | 70240 | 45996 | 60 |
| 50 | 75838 | 29898 | 70102 | 45939 | 50 |
| 60 | 75919 | 30037 | 69963 | 45882 | 40 |
| 70 | 76000 | 30176 | 69824 | 45825 | 30 |
| 80 | 76082 | 30314 | 69686 | 45768 | 20 |
| 90 | 76163 | 30453 | 69547 | 45711 | 10 |
| **39 00** | 76245 | 30591 | 69409 | 45653 | **61 00** |
| 10 | 76326 | 30730 | 69270 | 45596 | 90 |
| 20 | 76408 | 30868 | 69132 | 45539 | 80 |
| 30 | 76489 | 31007 | 68993 | 45482 | 70 |
| 40 | 76571 | 31146 | 68854 | 45425 | 60 |
| 50 | 76652 | 31284 | 68716 | 45368 | 50 |
| 60 | 76733 | 31423 | 68577 | 45311 | 40 |
| 70 | 76815 | 31561 | 68439 | 45253 | 30 |
| 80 | 76896 | 31700 | 68300 | 45196 | 20 |
| 90 | 76978 | 31839 | 68161 | 45139 | 10 |
| **40 00** | 77059 | 31977 | 68023 | 45082 | **60 00** |
| | **9.80** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | $55^g$ |
| | 81 | 138 | 138 | 58 | |

| | 139 | 138 | 82 | 81 | 58 | 57 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,2 | 8,1 | 5,8 | 5,7 | 1 |
| 2 | 27,8 | 27,6 | 16,4 | 16,2 | 11,6 | 11,4 | 2 |
| 3 | 41,7 | 41,4 | 24,6 | 24,3 | 17,4 | 17,1 | 3 |
| 4 | 55,6 | 55,2 | 32,8 | 32,4 | 23,2 | 22,8 | 4 |
| 5 | 69,5 | 69,0 | 41,0 | 40,5 | 29,0 | 28,5 | 5 |
| 6 | 83,4 | 82,8 | 49,2 | 48,6 | 34,8 | 34,2 | 6 |
| 7 | 97,3 | 96,6 | 57,4 | 56,7 | 40,6 | 39,9 | 7 |
| 8 | 111,2 | 110,4 | 65,6 | 64,8 | 46,4 | 45,6 | 8 |
| 9 | 125,1 | 124,2 | 73,8 | 72,9 | 52,2 | 51,3 | 9 |

| 44g | 82 | 139 | 139 | 57 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.92** | **0.07** | **9.88** | |
| **40 oo** | 77059 | 31977 | 68023 | 45082 | **60 oo** |
| 10 | 77140 | 32116 | 67884 | 45025 | 90 |
| 20 | 77222 | 32254 | 67746 | 44968 | 80 |
| 30 | 77303 | 32393 | 67607 | 44910 | 70 |
| 40 | 77385 | 32531 | 67469 | 44853 | 60 |
| 50 | 77466 | 32670 | 67330 | 44796 | 50 |
| 60 | 77548 | 32809 | 67191 | 44739 | 40 |
| 70 | 77629 | 32947 | 67053 | 44682 | 30 |
| 80 | 77710 | 33086 | 66914 | 44625 | 20 |
| 90 | 77792 | 33224 | 66776 | 44567 | 10 |
| **41 oo** | 77873 | 33363 | 66637 | 44510 | **59 oo** |
| 10 | 77954 | 33501 | 66499 | 44453 | 90 |
| 20 | 78036 | 33640 | 66360 | 44396 | 80 |
| 30 | 78117 | 33779 | 66221 | 44339 | 70 |
| 40 | 78199 | 33917 | 66083 | 44282 | 60 |
| 50 | 78280 | 34056 | 65944 | 44224 | 50 |
| 60 | 78361 | 34194 | 65806 | 44167 | 40 |
| 70 | 78443 | 34333 | 65667 | 44110 | 30 |
| 80 | 78524 | 34471 | 65529 | 44053 | 20 |
| 90 | 78605 | 34610 | 65390 | 43996 | 10 |
| **42 oo** | 78687 | 34748 | 65252 | 43938 | **58 oo** |
| 10 | 78768 | 34887 | 65113 | 43881 | 90 |
| 20 | 78850 | 35026 | 64974 | 43824 | 80 |
| 30 | 78931 | 35164 | 64836 | 43767 | 70 |
| 40 | 79012 | 35303 | 64697 | 43710 | 60 |
| 50 | 79094 | 35441 | 64559 | 43652 | 50 |
| 60 | 79175 | 35580 | 64420 | 43595 | 40 |
| 70 | 79256 | 35718 | 64282 | 43538 | 30 |
| 80 | 79338 | 35857 | 64143 | 43481 | 20 |
| 90 | 79419 | 35995 | 64005 | 43424 | 10 |
| **43 oo** | 79500 | 36134 | 63866 | 43366 | **57 oo** |
| 10 | 79582 | 36273 | 63727 | 43309 | 90 |
| 20 | 79663 | 36411 | 63589 | 43252 | 80 |
| 30 | 79744 | 36550 | 63450 | 43195 | 70 |
| 40 | 79826 | 36688 | 63312 | 43137 | 60 |
| 50 | 79907 | 36827 | 63173 | 43080 | 50 |
| 60 | 79988 | 36965 | 63035 | 43023 | 40 |
| 70 | 80070 | 37104 | 62896 | 42966 | 30 |
| 80 | 80151 | 37242 | 62758 | 42909 | 20 |
| 90 | 80232 | 37381 | 62619 | 42851 | 10 |
| **44 oo** | 80314 | 37520 | 62480 | 42794 | **56 oo** |
| 10 | 80395 | 37658 | 62342 | 42737 | 90 |
| 20 | 80476 | 37797 | 62203 | 42680 | 80 |
| 30 | 80558 | 37935 | 62065 | 42622 | 70 |
| 40 | 80639 | 38074 | 61926 | 42565 | 60 |
| 50 | 80720 | 38212 | 61788 | 42508 | 50 |
| 60 | 80801 | 38351 | 61649 | 42451 | 40 |
| 70 | 80883 | 38489 | 61511 | 42393 | 30 |
| 80 | 80964 | 38628 | 61372 | 42336 | 20 |
| 90 | 81045 | 38766 | 61234 | 42279 | 10 |
| **45 oo** | 81127 | 38905 | 61095 | 42222 | **55 oo** |
| | **9.80** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | 55g |
| | 81 | 138 | 138 | 58 | |

| 44g | 82 | 139 | 139 | 57 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.92** | **0.07** | **9.88** | |
| **45 oo** | 81127 | 38905 | 61095 | 42222 | **55 oo** |
| 10 | 81208 | 39044 | 60956 | 42164 | 90 |
| 20 | 81289 | 39182 | 60818 | 42107 | 80 |
| 30 | 81370 | 39321 | 60679 | 42050 | 70 |
| 40 | 81452 | 39459 | 60541 | 41993 | 60 |
| 50 | 81533 | 39598 | 60402 | 41935 | 50 |
| 60 | 81614 | 39736 | 60264 | 41878 | 40 |
| 70 | 81696 | 39875 | 60125 | 41821 | 30 |
| 80 | 81777 | 40013 | 59987 | 41764 | 20 |
| 90 | 81858 | 40152 | 59848 | 41706 | 10 |
| **46 oo** | 81939 | 40290 | 59710 | 41649 | **54 oo** |
| 10 | 82021 | 40429 | 59571 | 41592 | 90 |
| 20 | 82102 | 40567 | 59433 | 41534 | 80 |
| 30 | 82183 | 40706 | 59294 | 41477 | 70 |
| 40 | 82264 | 40844 | 59156 | 41420 | 60 |
| 50 | 82346 | 40983 | 59017 | 41363 | 50 |
| 60 | 82427 | 41121 | 58879 | 41305 | 40 |
| 70 | 82508 | 41260 | 58740 | 41248 | 30 |
| 80 | 82589 | 41399 | 58601 | 41191 | 20 |
| 90 | 82671 | 41537 | 58463 | 41133 | 10 |
| **47 oo** | 82752 | 41676 | 58324 | 41076 | **53 oo** |
| 10 | 82833 | 41814 | 58186 | 41019 | 90 |
| 20 | 82914 | 41953 | 58047 | 40962 | 80 |
| 30 | 82995 | 42091 | 57909 | 40904 | 70 |
| 40 | 83077 | 42230 | 57770 | 40847 | 60 |
| 50 | 83158 | 42368 | 57632 | 40790 | 50 |
| 60 | 83239 | 42507 | 57493 | 40732 | 40 |
| 70 | 83320 | 42645 | 57355 | 40675 | 30 |
| 80 | 83402 | 42784 | 57216 | 40618 | 20 |
| 90 | 83483 | 42922 | 57078 | 40561 | 10 |
| **48 oo** | 83564 | 43061 | 56939 | 40503 | **52 oo** |
| 10 | 83645 | 43199 | 56801 | 40446 | 90 |
| 20 | 83726 | 43338 | 56662 | 40389 | 80 |
| 30 | 83808 | 43476 | 56524 | 40331 | 70 |
| 40 | 83889 | 43615 | 56385 | 40274 | 60 |
| 50 | 83970 | 43753 | 56247 | 40217 | 50 |
| 60 | 84051 | 43892 | 56108 | 40159 | 40 |
| 70 | 84132 | 44030 | 55970 | 40102 | 30 |
| 80 | 84214 | 44169 | 55831 | 40045 | 20 |
| 90 | 84295 | 44307 | 55693 | 39987 | 10 |
| **49 oo** | 84376 | 44446 | 55554 | 39930 | **51 oo** |
| 10 | 84457 | 44584 | 55416 | 39873 | 90 |
| 20 | 84538 | 44723 | 55277 | 39815 | 80 |
| 30 | 84619 | 44861 | 55139 | 39758 | 70 |
| 40 | 84701 | 45000 | 55000 | 39701 | 60 |
| 50 | 84782 | 45138 | 54862 | 39643 | 50 |
| 60 | 84863 | 45277 | 54723 | 39586 | 40 |
| 70 | 84944 | 45415 | 54585 | 39529 | 30 |
| 80 | 85025 | 45554 | 54446 | 39471 | 20 |
| 90 | 85106 | 45692 | 54308 | 39414 | 10 |
| **50 oo** | 85188 | 45831 | 54169 | 39357 | **50 oo** |
| | **9.80** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | 55g |
| | 81 | 138 | 138 | 58 | |

| | 139 | 138 | 82 | 81 | 58 | 57 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,2 | 8,1 | 5,8 | 5,7 | 1 |
| 2 | 27,8 | 27,6 | 16,4 | 16,2 | 11,6 | 11,4 | 2 |
| 3 | 41,7 | 41,4 | 24,6 | 24,3 | 17,4 | 17,1 | 3 |
| 4 | 55,6 | 55,2 | 32,8 | 32,4 | 23,2 | 22,8 | 4 |
| 5 | 69,5 | 69,0 | 41,0 | 40,5 | 29,0 | 28,5 | 5 |
| 6 | 83,4 | 82,8 | 49,2 | 48,6 | 34,8 | 34,2 | 6 |
| 7 | 97,3 | 96,6 | 57,4 | 56,7 | 40,6 | 39,9 | 7 |
| 8 | 111,2 | 110,4 | 65,6 | 64,8 | 46,4 | 45,6 | 8 |
| 9 | 125,1 | 124,2 | 73,8 | 72,9 | 52,2 | 51,3 | 9 |

| $44^g$ | 82 | 139 | 139 | 57 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.92** | **0.07** | **9.88** | |
| **50 00** | 85188 | 45831 | 54169 | 39357 | **50 00** |
| 10 | 85269 | 45969 | 54031 | 39299 | 90 |
| 20 | 85350 | 46108 | 53892 | 39242 | 80 |
| 30 | 85431 | 46246 | 53754 | 39185 | 70 |
| 40 | 85512 | 46385 | 53615 | 39127 | 60 |
| 50 | 85593 | 46523 | 53477 | 39070 | 50 |
| 60 | 85675 | 46662 | 53338 | 39013 | 40 |
| 70 | 85756 | 46800 | 53200 | 38955 | 30 |
| 80 | 85837 | 46939 | 53061 | 38898 | 20 |
| 90 | 85918 | 47077 | 52923 | 38841 | 10 |
| **51 00** | 85999 | 47216 | 52784 | 38783 | **49 00** |
| 10 | 86080 | 47354 | 52646 | 38726 | 90 |
| 20 | 86161 | 47493 | 52507 | 38668 | 80 |
| 30 | 86242 | 47631 | 52369 | 38611 | 70 |
| 40 | 86324 | 47770 | 52230 | 38554 | 60 |
| 50 | 86405 | 47908 | 52092 | 38496 | 50 |
| 60 | 86486 | 48047 | 51953 | 38439 | 40 |
| 70 | 86567 | 48185 | 51815 | 38382 | 30 |
| 80 | 86648 | 48324 | 51676 | 38324 | 20 |
| 90 | 86729 | 48462 | 51538 | 38267 | 10 |
| **52 00** | 86810 | 48601 | 51399 | 38209 | **48 00** |
| 10 | 86891 | 48739 | 51261 | 38152 | 90 |
| 20 | 86972 | 48878 | 51122 | 38095 | 80 |
| 30 | 87054 | 49016 | 50984 | 38037 | 70 |
| 40 | 87135 | 49155 | 50845 | 37980 | 60 |
| 50 | 87216 | 49293 | 50707 | 37923 | 50 |
| 60 | 87297 | 49432 | 50568 | 37865 | 40 |
| 70 | 87378 | 49570 | 50430 | 37808 | 30 |
| 80 | 87459 | 49709 | 50291 | 37750 | 20 |
| 90 | 87540 | 49847 | 50153 | 37693 | 10 |
| **53 00** | 87621 | 49986 | 50014 | 37636 | **47 00** |
| 10 | 87702 | 50124 | 49876 | 37578 | 90 |
| 20 | 87783 | 50263 | 49737 | 37521 | 80 |
| 30 | 87864 | 50401 | 49599 | 37463 | 70 |
| 40 | 87945 | 50539 | 49461 | 37406 | 60 |
| 50 | 88027 | 50678 | 49322 | 37349 | 50 |
| 60 | 88108 | 50816 | 49184 | 37291 | 40 |
| 70 | 88189 | 50955 | 49045 | 37234 | 30 |
| 80 | 88270 | 51093 | 48907 | 37176 | 20 |
| 90 | 88351 | 51232 | 48768 | 37119 | 10 |
| **54 00** | 88432 | 51370 | 48630 | 37061 | **46 00** |
| 10 | 88513 | 51509 | 48491 | 37004 | 90 |
| 20 | 88594 | 51647 | 48353 | 36947 | 80 |
| 30 | 88675 | 51786 | 48214 | 36889 | 70 |
| 40 | 88756 | 51924 | 48076 | 36832 | 60 |
| 50 | 88837 | 52063 | 47937 | 36774 | 50 |
| 60 | 88918 | 52201 | 47799 | 36717 | 40 |
| 70 | 88999 | 52340 | 47660 | 36660 | 30 |
| 80 | 89080 | 52478 | 47522 | 36602 | 20 |
| 90 | 89161 | 52617 | 47383 | 36545 | 10 |
| **55 00** | 89242 | 52755 | 47245 | 36487 | **45 00** |
| | **9.80** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | $55^g$ |
| | 81 | 138 | 138 | 58 | |

| $44^g$ | 81 | 139 | 139 | 57 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.92** | **0.07** | **9.88** | |
| **55 00** | 89242 | 52755 | 47245 | 36487 | **45 00** |
| 10 | 89323 | 52893 | 47107 | 36430 | 90 |
| 20 | 89404 | 53032 | 46968 | 36372 | 80 |
| 30 | 89485 | 53170 | 46830 | 36315 | 70 |
| 40 | 89566 | 53309 | 46691 | 36257 | 60 |
| 50 | 89647 | 53447 | 46553 | 36200 | 50 |
| 60 | 89728 | 53586 | 46414 | 36143 | 40 |
| 70 | 89809 | 53724 | 46276 | 36085 | 30 |
| 80 | 89890 | 53863 | 46137 | 36028 | 20 |
| 90 | 89971 | 54001 | 45999 | 35970 | 10 |
| **56 00** | 90052 | 54140 | 45860 | 35913 | **44 00** |
| 10 | 90133 | 54278 | 45722 | 35855 | 90 |
| 20 | 90214 | 54416 | 45584 | 35798 | 80 |
| 30 | 90295 | 54555 | 45445 | 35740 | 70 |
| 40 | 90376 | 54693 | 45307 | 35683 | 60 |
| 50 | 90457 | 54832 | 45168 | 35625 | 50 |
| 60 | 90538 | 54970 | 45030 | 35568 | 40 |
| 70 | 90619 | 55109 | 44891 | 35511 | 30 |
| 80 | 90700 | 55247 | 44753 | 35453 | 20 |
| 90 | 90781 | 55386 | 44614 | 35396 | 10 |
| **57 00** | 90862 | 55524 | 44476 | 35338 | **43 00** |
| 10 | 90943 | 55663 | 44337 | 35281 | 90 |
| 20 | 91024 | 55801 | 44199 | 35223 | 80 |
| 30 | 91105 | 55939 | 44061 | 35166 | 70 |
| 40 | 91186 | 56078 | 43922 | 35108 | 60 |
| 50 | 91267 | 56216 | 43784 | 35051 | 50 |
| 60 | 91348 | 56355 | 43645 | 34993 | 40 |
| 70 | 91429 | 56493 | 43507 | 34936 | 30 |
| 80 | 91510 | 56632 | 43368 | 34878 | 20 |
| 90 | 91591 | 56770 | 43230 | 34821 | 10 |
| **58 00** | 91672 | 56909 | 43091 | 34763 | **42 00** |
| 10 | 91753 | 57047 | 42953 | 34706 | 90 |
| 20 | 91834 | 57185 | 42815 | 34648 | 80 |
| 30 | 91915 | 57324 | 42676 | 34591 | 70 |
| 40 | 91996 | 57462 | 42538 | 34533 | 60 |
| 50 | 92077 | 57601 | 42399 | 34476 | 50 |
| 60 | 92157 | 57739 | 42261 | 34418 | 40 |
| 70 | 92238 | 57878 | 42122 | 34361 | 30 |
| 80 | 92319 | 58016 | 41984 | 34303 | 20 |
| 90 | 92400 | 58154 | 41846 | 34246 | 10 |
| **59 00** | 92481 | 58293 | 41707 | 34188 | **41 00** |
| 10 | 92562 | 58431 | 41569 | 34131 | 90 |
| 20 | 92643 | 58570 | 41430 | 34073 | 80 |
| 30 | 92724 | 58708 | 41292 | 34016 | 70 |
| 40 | 92805 | 58847 | 41153 | 33958 | 60 |
| 50 | 92886 | 58985 | 41015 | 33901 | 50 |
| 60 | 92967 | 59123 | 40877 | 33843 | 40 |
| 70 | 93048 | 59262 | 40738 | 33786 | 30 |
| 80 | 93129 | 59400 | 40600 | 33728 | 20 |
| 90 | 93209 | 59539 | 40461 | 33671 | 10 |
| **60 00** | 93290 | 59677 | 40323 | 33613 | **40 00** |
| | **9.80** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | $55^g$ |
| | 80 | 138 | 138 | 58 | |

| | 139 | 138 | 82 | 81 | 80 | 58 | 57 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,2 | 8,1 | 8,0 | 5,8 | 5,7 | 1 |
| 2 | 27,8 | 27,6 | 16,4 | 16,2 | 16,0 | 11,6 | 11,4 | 2 |
| 3 | 41,7 | 41,4 | 24,6 | 24,3 | 24,0 | 17,4 | 17,1 | 3 |
| 4 | 55,6 | 55,2 | 32,8 | 32,4 | 32,0 | 23,2 | 22,8 | 4 |
| 5 | 69,5 | 69,0 | 41,0 | 40,5 | 40,0 | 29,0 | 28,5 | 5 |
| 6 | 83,4 | 82,8 | 49,2 | 48,6 | 48,0 | 34,8 | 34,2 | 6 |
| 7 | 97,3 | 96,6 | 57,4 | 56,7 | 56,0 | 40,6 | 39,9 | 7 |
| 8 | 111,2 | 110,4 | 65,6 | 64,8 | 64,0 | 46,4 | 45,6 | 8 |
| 9 | 125,1 | 124,2 | 73,8 | 72,9 | 72,0 | 52,2 | 51,3 | 9 |

| 44g | 81 | 139 | 139 | 57 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.92** | **0.07** | **9.88** | |
| **60 oo** | 93290 | 59677 | 40323 | 33613 | **40 oo** |
| 10 | 93371 | 59816 | 40184 | 33556 | 90 |
| 20 | 93452 | 59954 | 40046 | 33498 | 80 |
| 30 | 93533 | 60092 | 39908 | 33441 | 70 |
| 40 | 93614 | 60231 | 39769 | 33383 | 60 |
| 50 | 93695 | 60369 | 39631 | 33326 | 50 |
| 60 | 93776 | 60508 | 39492 | 33268 | 40 |
| 70 | 93857 | 60646 | 39354 | 33210 | 30 |
| 80 | 93937 | 60785 | 39215 | 33153 | 20 |
| 90 | 94018 | 60923 | 39077 | 33095 | 10 |
| **61 oo** | 94099 | 61061 | 38939 | 33038 | **39 oo** |
| 10 | 94180 | 61200 | 38800 | 32980 | 90 |
| 20 | 94261 | 61338 | 38662 | 32923 | 80 |
| 30 | 94342 | 61477 | 38523 | 32865 | 70 |
| 40 | 94423 | 61615 | 38385 | 32808 | 60 |
| 50 | 94503 | 61753 | 38247 | 32750 | 50 |
| 60 | 94584 | 61892 | 38108 | 32693 | 40 |
| 70 | 94665 | 62030 | 37970 | 32635 | 30 |
| 80 | 94746 | 62169 | 37831 | 32577 | 20 |
| 90 | 94827 | 62307 | 37693 | 32520 | 10 |
| **62 oo** | 94908 | 62445 | 37555 | 32462 | **38 oo** |
| 10 | 94989 | 62584 | 37416 | 32405 | 90 |
| 20 | 95069 | 62722 | 37278 | 32347 | 80 |
| 30 | 95150 | 62861 | 37139 | 32290 | 70 |
| 40 | 95231 | 62999 | 37001 | 32232 | 60 |
| 50 | 95312 | 63138 | 36862 | 32174 | 50 |
| 60 | 95393 | 63276 | 36724 | 32117 | 40 |
| 70 | 95474 | 63414 | 36586 | 32059 | 30 |
| 80 | 95554 | 63553 | 36447 | 32002 | 20 |
| 90 | 95635 | 63691 | 36309 | 31944 | 10 |
| **63 oo** | 95716 | 63830 | 36170 | 31887 | **37 oo** |
| 10 | 95797 | 63968 | 36032 | 31829 | 90 |
| 20 | 95878 | 64106 | 35894 | 31771 | 80 |
| 30 | 95959 | 64245 | 35755 | 31714 | 70 |
| 40 | 96039 | 64383 | 35617 | 31656 | 60 |
| 50 | 96120 | 64522 | 35478 | 31599 | 50 |
| 60 | 96201 | 64660 | 35340 | 31541 | 40 |
| 70 | 96282 | 64798 | 35202 | 31483 | 30 |
| 80 | 96363 | 64937 | 35063 | 31426 | 20 |
| 90 | 96443 | 65075 | 34925 | 31368 | 10 |
| **64 oo** | 96524 | 65214 | 34786 | 31311 | **36 oo** |
| 10 | 96605 | 65352 | 34648 | 31253 | 90 |
| 20 | 96686 | 65490 | 34510 | 31195 | 80 |
| 30 | 96767 | 65629 | 34371 | 31138 | 70 |
| 40 | 96847 | 65767 | 34233 | 31080 | 60 |
| 50 | 96928 | 65906 | 34094 | 31023 | 50 |
| 60 | 97009 | 66044 | 33956 | 30965 | 40 |
| 70 | 97090 | 66182 | 33818 | 30907 | 30 |
| 80 | 97170 | 66321 | 33679 | 30850 | 20 |
| 90 | 97251 | 66459 | 33541 | 30792 | 10 |
| **65 oo** | 97332 | 66597 | 33403 | 30735 | **35 oo** |
| | **9.80** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | **55g** |
| | 80 | 138 | 138 | 58 | |

| 44g | 81 | 139 | 139 | 57 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.80** | **9.92** | **0.07** | **9.88** | |
| **65 oo** | 97332 | 66597 | 33403 | 30735 | **35 oo** |
| 10 | 97413 | 66736 | 33264 | 30677 | 90 |
| 20 | 97494 | 66874 | 33126 | 30619 | 80 |
| 30 | 97574 | 67013 | 32987 | 30562 | 70 |
| 40 | 97655 | 67151 | 32849 | 30504 | 60 |
| 50 | 97736 | 67289 | 32711 | 30446 | 50 |
| 60 | 97817 | 67428 | 32572 | 30389 | 40 |
| 70 | 97897 | 67566 | 32434 | 30331 | 30 |
| 80 | 97978 | 67705 | 32295 | 30274 | 20 |
| 90 | 98059 | 67843 | 32157 | 30216 | 10 |
| **66 oo** | 98140 | 67981 | 32019 | 30158 | **34 oo** |
| 10 | 98220 | 68120 | 31880 | 30101 | 90 |
| 20 | 98301 | 68258 | 31742 | 30043 | 80 |
| 30 | 98382 | 68396 | 31604 | 29985 | 70 |
| 40 | 98462 | 68535 | 31465 | 29928 | 60 |
| 50 | 98543 | 68673 | 31327 | 29870 | 50 |
| 60 | 98624 | 68812 | 31188 | 29812 | 40 |
| 70 | 98705 | 68950 | 31050 | 29755 | 30 |
| 80 | 98785 | 69088 | 30912 | 29697 | 20 |
| 90 | 98866 | 69227 | 30773 | 29639 | 10 |
| **67 oo** | 98947 | 69365 | 30635 | 29582 | **33 oo** |
| 10 | 99028 | 69503 | 30497 | 29524 | 90 |
| 20 | 99108 | 69642 | 30358 | 29466 | 80 |
| 30 | 99189 | 69780 | 30220 | 29409 | 70 |
| 40 | 99270 | 69919 | 30081 | 29351 | 60 |
| 50 | 99350 | 70057 | 29943 | 29293 | 50 |
| 60 | 99431 | 70195 | 29805 | 29236 | 40 |
| 70 | 99512 | 70334 | 29666 | 29178 | 30 |
| 80 | 99593 | 70472 | 29528 | 29120 | 20 |
| 90 | 99673 | 70610 | 29390 | 29063 | 10 |
| **68 oo** | 99754 | 70749 | 29251 | 29005 | **32 oo** |
| 10 | 99835 | 70887 | 29113 | 28947 | 90 |
| 20 | 99915 | 71025 | 28975 | 28890 | 80 |
| 30 | 99996 | 71164 | 28836 | 28832 | 70 |
| 40 | ∗00077 | 71302 | 28698 | 28774 | 60 |
| 50 | ∗00157 | 71441 | 28559 | 28717 | 50 |
| 60 | ∗00238 | 71579 | 28421 | 28659 | 40 |
| 70 | ∗00319 | 71717 | 28283 | 28601 | 30 |
| 80 | ∗00399 | 71856 | 28144 | 28544 | 20 |
| 90 | ∗00480 | 71994 | 28006 | 28486 | 10 |
| **69 oo** | ∗00561 | 72132 | 27868 | 28428 | **31 oo** |
| 10 | ∗00641 | 72271 | 27729 | 28371 | 90 |
| 20 | ∗00722 | 72409 | 27591 | 28313 | 80 |
| 30 | ∗00803 | 72547 | 27453 | 28255 | 70 |
| 40 | ∗00883 | 72686 | 27314 | 28198 | 60 |
| 50 | ∗00964 | 72824 | 27176 | 28140 | 50 |
| 60 | ∗01045 | 72963 | 27037 | 28082 | 40 |
| 70 | ∗01125 | 73101 | 26899 | 28024 | 30 |
| 80 | ∗01206 | 73239 | 26761 | 27967 | 20 |
| 90 | ∗01287 | 73378 | 26622 | 27909 | 10 |
| **70 oo** | ∗01367 | 73516 | 26484 | 27851 | **30 oo** |
| | ∗**9.81** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | **55g** |
| | 80 | 138 | 138 | 58 | |

| | 139 | 138 | 81 | 80 | 58 | 57 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,1 | 8,0 | 5,8 | 5,7 | 1 |
| 2 | 27,8 | 27,6 | 16,2 | 16,0 | 11,6 | 11,4 | 2 |
| 3 | 41,7 | 41,4 | 24,3 | 24,0 | 17,4 | 17,1 | 3 |
| 4 | 55,6 | 55,2 | 32,4 | 32,0 | 23,2 | 22,8 | 4 |
| 5 | 69,5 | 69,0 | 40,5 | 40,0 | 29,0 | 28,5 | 5 |
| 6 | 83,4 | 82,8 | 48,6 | 48,0 | 34,8 | 34,2 | 6 |
| 7 | 97,3 | 96,6 | 56,7 | 56,0 | 40,6 | 39,9 | 7 |
| 8 | 111,2 | 110,4 | 64,8 | 64,0 | 46,4 | 45,6 | 8 |
| 9 | 125,1 | 124,2 | 72,9 | 72,0 | 52,2 | 51,3 | 9 |

| 44g | 81 | 139 | 139 | 57 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.92** | **0.07** | **9.88** | |
| **70 00** | 01367 | 73516 | 26484 | 27851 | **30 00** |
| 10 | 01448 | 73654 | 26346 | 27794 | 90 |
| 20 | 01528 | 73793 | 26207 | 27736 | 80 |
| 30 | 01609 | 73931 | 26069 | 27678 | 70 |
| 40 | 01690 | 74069 | 25931 | 27620 | 60 |
| 50 | 01770 | 74208 | 25792 | 27563 | 50 |
| 60 | 01851 | 74346 | 25654 | 27505 | 40 |
| 70 | 01932 | 74484 | 25516 | 27447 | 30 |
| 80 | 02012 | 74623 | 25377 | 27390 | 20 |
| 90 | 02093 | 74761 | 25239 | 27332 | 10 |
| **71 00** | 02173 | 74899 | 25101 | 27274 | **29 00** |
| 10 | 02254 | 75038 | 24962 | 27216 | 90 |
| 20 | 02335 | 75176 | 24824 | 27159 | 80 |
| 30 | 02415 | 75314 | 24686 | 27101 | 70 |
| 40 | 02496 | 75453 | 24547 | 27043 | 60 |
| 50 | 02577 | 75591 | 24409 | 26985 | 50 |
| 60 | 02657 | 75729 | 24271 | 26928 | 40 |
| 70 | 02738 | 75868 | 24132 | 26870 | 30 |
| 80 | 02818 | 76006 | 23994 | 26812 | 20 |
| 90 | 02899 | 76144 | 23856 | 26754 | 10 |
| **72 00** | 02980 | 76283 | 23717 | 26697 | **28 00** |
| 10 | 03060 | 76421 | 23579 | 26639 | 90 |
| 20 | 03141 | 76559 | 23441 | 26581 | 80 |
| 30 | 03221 | 76698 | 23302 | 26523 | 70 |
| 40 | 03302 | 76836 | 23164 | 26466 | 60 |
| 50 | 03382 | 76974 | 23026 | 26408 | 50 |
| 60 | 03463 | 77113 | 22887 | 26350 | 40 |
| 70 | 03544 | 77251 | 22749 | 26292 | 30 |
| 80 | 03624 | 77389 | 22611 | 26235 | 20 |
| 90 | 03705 | 77528 | 22472 | 26177 | 10 |
| **73 00** | 03785 | 77666 | 22334 | 26119 | **27 00** |
| 10 | 03866 | 77804 | 22196 | 26061 | 90 |
| 20 | 03946 | 77943 | 22057 | 26004 | 80 |
| 30 | 04027 | 78081 | 21919 | 25946 | 70 |
| 40 | 04108 | 78219 | 21781 | 25888 | 60 |
| 50 | 04188 | 78358 | 21642 | 25830 | 50 |
| 60 | 04269 | 78496 | 21504 | 25773 | 40 |
| 70 | 04349 | 78634 | 21366 | 25715 | 30 |
| 80 | 04430 | 78773 | 21227 | 25657 | 20 |
| 90 | 04510 | 78911 | 21089 | 25599 | 10 |
| **74 00** | 04591 | 79049 | 20951 | 25541 | **26 00** |
| 10 | 04671 | 79188 | 20812 | 25484 | 90 |
| 20 | 04752 | 79326 | 20674 | 25426 | 80 |
| 30 | 04832 | 79464 | 20536 | 25368 | 70 |
| 40 | 04913 | 79603 | 20397 | 25310 | 60 |
| 50 | 04993 | 79741 | 20259 | 25252 | 50 |
| 60 | 05074 | 79879 | 20121 | 25195 | 40 |
| 70 | 05154 | 80018 | 19982 | 25137 | 30 |
| 80 | 05235 | 80156 | 19844 | 25079 | 20 |
| 90 | 05316 | 80294 | 19706 | 25021 | 10 |
| **75 00** | 05396 | 80433 | 19567 | 24963 | **25 00** |
| | **9.81** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | 55g |
| | 80 | 138 | 138 | 58 | |

| 44g | 81 | 139 | 139 | 57 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.92** | **0.07** | **9.88** | |
| **75 00** | 05396 | 80433 | 19567 | 24963 | **25 00** |
| 10 | 05477 | 80571 | 19429 | 24906 | 90 |
| 20 | 05557 | 80709 | 19291 | 24848 | 80 |
| 30 | 05638 | 80848 | 19152 | 24790 | 70 |
| 40 | 05718 | 80986 | 19014 | 24732 | 60 |
| 50 | 05799 | 81124 | 18876 | 24674 | 50 |
| 60 | 05879 | 81262 | 18738 | 24617 | 40 |
| 70 | 05960 | 81401 | 18599 | 24559 | 30 |
| 80 | 06040 | 81539 | 18461 | 24501 | 20 |
| 90 | 06121 | 81677 | 18323 | 24443 | 10 |
| **76 00** | 06201 | 81816 | 18184 | 24385 | **24 00** |
| 10 | 06282 | 81954 | 18046 | 24328 | 90 |
| 20 | 06362 | 82092 | 17908 | 24270 | 80 |
| 30 | 06442 | 82231 | 17769 | 24212 | 70 |
| 40 | 06523 | 82369 | 17631 | 24154 | 60 |
| 50 | 06603 | 82507 | 17493 | 24096 | 50 |
| 60 | 06684 | 82646 | 17354 | 24038 | 40 |
| 70 | 06764 | 82784 | 17216 | 23981 | 30 |
| 80 | 06845 | 82922 | 17078 | 23923 | 20 |
| 90 | 06925 | 83060 | 16940 | 23865 | 10 |
| **77 00** | 07006 | 83199 | 16801 | 23807 | **23 00** |
| 10 | 07086 | 83337 | 16663 | 23749 | 90 |
| 20 | 07167 | 83475 | 16525 | 23691 | 80 |
| 30 | 07247 | 83614 | 16386 | 23634 | 70 |
| 40 | 07328 | 83752 | 16248 | 23576 | 60 |
| 50 | 07408 | 83890 | 16110 | 23518 | 50 |
| 60 | 07488 | 84029 | 15971 | 23460 | 40 |
| 70 | 07569 | 84167 | 15833 | 23402 | 30 |
| 80 | 07649 | 84305 | 15695 | 23344 | 20 |
| 90 | 07730 | 84443 | 15557 | 23286 | 10 |
| **78 00** | 07810 | 84582 | 15418 | 23229 | **22 00** |
| 10 | 07891 | 84720 | 15280 | 23171 | 90 |
| 20 | 07971 | 84858 | 15142 | 23113 | 80 |
| 30 | 08052 | 84997 | 15003 | 23055 | 70 |
| 40 | 08132 | 85135 | 14865 | 22997 | 60 |
| 50 | 08212 | 85273 | 14727 | 22939 | 50 |
| 60 | 08293 | 85411 | 14589 | 22881 | 40 |
| 70 | 08373 | 85550 | 14450 | 22824 | 30 |
| 80 | 08454 | 85688 | 14312 | 22766 | 20 |
| 90 | 08534 | 85826 | 14174 | 22708 | 10 |
| **79 00** | 08614 | 85965 | 14035 | 22650 | **21 00** |
| 10 | 08695 | 86103 | 13897 | 22592 | 90 |
| 20 | 08775 | 86241 | 13759 | 22534 | 80 |
| 30 | 08856 | 86379 | 13621 | 22476 | 70 |
| 40 | 08936 | 86518 | 13482 | 22418 | 60 |
| 50 | 09016 | 86656 | 13344 | 22360 | 50 |
| 60 | 09097 | 86794 | 13206 | 22303 | 40 |
| 70 | 09177 | 86933 | 13067 | 22245 | 30 |
| 80 | 09258 | 87071 | 12929 | 22187 | 20 |
| 90 | 09338 | 87209 | 12791 | 22129 | 10 |
| **80 00** | 09418 | 87347 | 12653 | 22071 | **20 00** |
| | **9.81** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | 55g |
| | 80 | 138 | 138 | 58 | |

| | 139 | 138 | 81 | 80 | 58 | 57 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,1 | 8,0 | 5,8 | 5,7 | 1 |
| 2 | 27,8 | 27,6 | 16,2 | 16,0 | 11,6 | 11,4 | 2 |
| 3 | 41,7 | 41,4 | 24,3 | 24,0 | 17,4 | 17,1 | 3 |
| 4 | 55,6 | 55,2 | 32,4 | 32,0 | 23,2 | 22,8 | 4 |
| 5 | 69,5 | 69,0 | 40,5 | 40,0 | 29,0 | 28,5 | 5 |
| 6 | 83,4 | 82,8 | 48,6 | 48,0 | 34,8 | 34,2 | 6 |
| 7 | 97,3 | 96,6 | 56,7 | 56,0 | 40,6 | 39,9 | 7 |
| 8 | 111,2 | 110,4 | 64,8 | 64,0 | 46,4 | 45,6 | 8 |
| 9 | 125,1 | 124,2 | 72,9 | 72,0 | 52,2 | 51,3 | 9 |

| $44^g$ | 81 | 139 | 139 | 57 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.92** | **0.07** | **9.88** | |
| **80 oo** | 09418 | 87347 | 12653 | 22071 | **20 oo** |
| 10 | 09499 | 87486 | 12514 | 22013 | 90 |
| 20 | 09579 | 87624 | 12376 | 21955 | 80 |
| 30 | 09660 | 87762 | 12238 | 21897 | 70 |
| 40 | 09740 | 87901 | 12099 | 21839 | 60 |
| 50 | 09820 | 88039 | 11961 | 21782 | 50 |
| 60 | 09901 | 88177 | 11823 | 21724 | 40 |
| 70 | 09981 | 88315 | 11685 | 21666 | 30 |
| 80 | 10061 | 88454 | 11546 | 21608 | 20 |
| 90 | 10142 | 88592 | 11408 | 21550 | 10 |
| **81 oo** | 10222 | 88730 | 11270 | 21492 | **19 oo** |
| 10 | 10302 | 88868 | 11132 | 21434 | 90 |
| 20 | 10383 | 89007 | 10993 | 21376 | 80 |
| 30 | 10463 | 89145 | 10855 | 21318 | 70 |
| 40 | 10544 | 89283 | 10717 | 21260 | 60 |
| 50 | 10624 | 89421 | 10579 | 21202 | 50 |
| 60 | 10704 | 89560 | 10440 | 21144 | 40 |
| 70 | 10785 | 89698 | 10302 | 21087 | 30 |
| 80 | 10865 | 89836 | 10164 | 21029 | 20 |
| 90 | 10945 | 89975 | 10025 | 20971 | 10 |
| **82 oo** | 11026 | 90113 | 09887 | 20913 | **18 oo** |
| 10 | 11106 | 90251 | 09749 | 20855 | 90 |
| 20 | 11186 | 90389 | 09611 | 20797 | 80 |
| 30 | 11267 | 90528 | 09472 | 20739 | 70 |
| 40 | 11347 | 90666 | 09334 | 20681 | 60 |
| 50 | 11427 | 90804 | 09196 | 20623 | 50 |
| 60 | 11508 | 90942 | 09058 | 20565 | 40 |
| 70 | 11588 | 91081 | 08919 | 20507 | 30 |
| 80 | 11668 | 91219 | 08781 | 20449 | 20 |
| 90 | 11748 | 91357 | 08643 | 20391 | 10 |
| **83 oo** | 11829 | 91495 | 08505 | 20333 | **17 oo** |
| 10 | 11909 | 91634 | 08366 | 20275 | 90 |
| 20 | 11989 | 91772 | 08228 | 20217 | 80 |
| 30 | 12070 | 91910 | 08090 | 20160 | 70 |
| 40 | 12150 | 92048 | 07952 | 20102 | 60 |
| 50 | 12230 | 92187 | 07813 | 20044 | 50 |
| 60 | 12311 | 92325 | 07675 | 19986 | 40 |
| 70 | 12391 | 92463 | 07537 | 19928 | 30 |
| 80 | 12471 | 92601 | 07399 | 19870 | 20 |
| 90 | 12551 | 92740 | 07260 | 19812 | 10 |
| **84 oo** | 12632 | 92878 | 07122 | 19754 | **16 oo** |
| 10 | 12712 | 93016 | 06984 | 19696 | 90 |
| 20 | 12792 | 93154 | 06846 | 19638 | 80 |
| 30 | 12873 | 93293 | 06707 | 19580 | 70 |
| 40 | 12953 | 93431 | 06569 | 19522 | 60 |
| 50 | 13033 | 93569 | 06431 | 19464 | 50 |
| 60 | 13113 | 93707 | 06293 | 19406 | 40 |
| 70 | 13194 | 93846 | 06154 | 19348 | 30 |
| 80 | 13274 | 93984 | 06016 | 19290 | 20 |
| 90 | 13354 | 94122 | 05878 | 19232 | 10 |
| **85 oo** | 13434 | 94260 | 05740 | 19174 | **15 oo** |
| | **9.81** | **9.92** | **0.07** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | $55^g$ |
| | 80 | 138 | 138 | 58 | |

| $44^g$ | 81 | 139 | 139 | 58 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.92** | **0.07** | **9.88** | |
| **85 oo** | 13434 | 94260 | 05740 | 19174 | **15 oo** |
| 10 | 13515 | 94399 | 05601 | 19116 | 90 |
| 20 | 13595 | 94537 | 05463 | 19058 | 80 |
| 30 | 13675 | 94675 | 05325 | 19000 | 70 |
| 40 | 13755 | 94813 | 05187 | 18942 | 60 |
| 50 | 13836 | 94952 | 05048 | 18884 | 50 |
| 60 | 13916 | 95090 | 04910 | 18826 | 40 |
| 70 | 13996 | 95228 | 04772 | 18768 | 30 |
| 80 | 14076 | 95366 | 04634 | 18710 | 20 |
| 90 | 14157 | 95505 | 04495 | 18652 | 10 |
| **86 oo** | 14237 | 95643 | 04357 | 18594 | **14 oo** |
| 10 | 14317 | 95781 | 04219 | 18536 | 90 |
| 20 | 14397 | 95919 | 04081 | 18478 | 80 |
| 30 | 14478 | 96058 | 03942 | 18420 | 70 |
| 40 | 14558 | 96196 | 03804 | 18362 | 60 |
| 50 | 14638 | 96334 | 03666 | 18304 | 50 |
| 60 | 14718 | 96472 | 03528 | 18246 | 40 |
| 70 | 14798 | 96610 | 03390 | 18188 | 30 |
| 80 | 14879 | 96749 | 03251 | 18130 | 20 |
| 90 | 14959 | 96887 | 03113 | 18072 | 10 |
| **87 oo** | 15039 | 97025 | 02975 | 18014 | **13 oo** |
| 10 | 15119 | 97163 | 02837 | 17956 | 90 |
| 20 | 15199 | 97302 | 02698 | 17898 | 80 |
| 30 | 15280 | 97440 | 02560 | 17840 | 70 |
| 40 | 15360 | 97578 | 02422 | 17782 | 60 |
| 50 | 15440 | 97716 | 02284 | 17724 | 50 |
| 60 | 15520 | 97855 | 02145 | 17666 | 40 |
| 70 | 15600 | 97993 | 02007 | 17608 | 30 |
| 80 | 15681 | 98131 | 01869 | 17550 | 20 |
| 90 | 15761 | 98269 | 01731 | 17492 | 10 |
| **88 oo** | 15841 | 98407 | 01593 | 17434 | **12 oo** |
| 10 | 15921 | 98546 | 01454 | 17376 | 90 |
| 20 | 16001 | 98684 | 01316 | 17317 | 80 |
| 30 | 16081 | 98822 | 01178 | 17259 | 70 |
| 40 | 16162 | 98960 | 01040 | 17201 | 60 |
| 50 | 16242 | 99099 | 00901 | 17143 | 50 |
| 60 | 16322 | 99237 | 00763 | 17085 | 40 |
| 70 | 16402 | 99375 | 00625 | 17027 | 30 |
| 80 | 16482 | 99513 | 00487 | 16969 | 20 |
| 90 | 16562 | 99651 | 00349 | 16911 | 10 |
| **89 oo** | 16643 | 99790 | 00210 | 16853 | **11 oo** |
| 10 | 16723 | 99928 | 00072 | 16795 | 90 |
| 20 | 16803 | *00066 | *99934 | 16737 | 80 |
| 30 | 16883 | *00204 | *99796 | 16679 | 70 |
| 40 | 16963 | *00342 | *99658 | 16621 | 60 |
| 50 | 17043 | *00481 | *99519 | 16563 | 50 |
| 60 | 17124 | *00619 | *99381 | 16505 | 40 |
| 70 | 17204 | *00757 | *99243 | 16447 | 30 |
| 80 | 17284 | *00895 | *99105 | 16388 | 20 |
| 90 | 17364 | *01034 | *98966 | 16330 | 10 |
| **90 oo** | 17444 | *01172 | *98828 | 16272 | **10 oo** |
| | **9.81** | ***9.93** | ***0.06** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | $55^g$ |
| | 80 | 138 | 138 | 59 | |

| | 139 | 138 | 81 | 80 | 59 | 58 | 57 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,1 | 8,0 | 5,9 | 5,8 | 5,7 | 1 |
| 2 | 27,8 | 27,6 | 16,2 | 16,0 | 11,8 | 11,6 | 11,4 | 2 |
| 3 | 41,7 | 41,4 | 24,3 | 24,0 | 17,7 | 17,4 | 17,1 | 3 |
| 4 | 55,6 | 55,2 | 32,4 | 32,0 | 23,6 | 23,2 | 22,8 | 4 |
| 5 | 69,5 | 69,0 | 40,5 | 40,0 | 29,5 | 29,0 | 28,5 | 5 |
| 6 | 83,4 | 82,8 | 48,6 | 48,0 | 35,4 | 34,8 | 34,2 | 6 |
| 7 | 97,3 | 96,6 | 56,7 | 56,0 | 41,3 | 40,6 | 39,9 | 7 |
| 8 | 111,2 | 110,4 | 64,8 | 64,0 | 47,2 | 46,4 | 45,6 | 8 |
| 9 | 125,1 | 124,2 | 72,9 | 72,0 | 53,1 | 52,2 | 51,3 | 9 |

| 44g | 81 | 139 | 139 | 58 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.88** | |
| **90 oo** | 17444 | 01172 | 98828 | 16272 | **10 oo** |
| 10 | 17524 | 01310 | 98690 | 16214 | 90 |
| 20 | 17604 | 01448 | 98552 | 16156 | 80 |
| 30 | 17684 | 01586 | 98414 | 16098 | 70 |
| 40 | 17765 | 01725 | 98275 | 16040 | 60 |
| 50 | 17845 | 01863 | 98137 | 15982 | 50 |
| 60 | 17925 | 02001 | 97999 | 15924 | 40 |
| 70 | 18005 | 02139 | 97861 | 15866 | 30 |
| 80 | 18085 | 02277 | 97723 | 15808 | 20 |
| 90 | 18165 | 02416 | 97584 | 15750 | 10 |
| **91 oo** | 18245 | 02554 | 97446 | 15691 | **09 oo** |
| 10 | 18325 | 02692 | 97308 | 15633 | 90 |
| 20 | 18405 | 02830 | 97170 | 15575 | 80 |
| 30 | 18485 | 02968 | 97032 | 15517 | 70 |
| 40 | 18566 | 03107 | 96893 | 15459 | 60 |
| 50 | 18646 | 03245 | 96755 | 15401 | 50 |
| 60 | 18726 | 03383 | 96617 | 15343 | 40 |
| 70 | 18806 | 03521 | 96479 | 15285 | 30 |
| 80 | 18886 | 03659 | 96341 | 15227 | 20 |
| 90 | 18966 | 03798 | 96202 | 15168 | 10 |
| **92 oo** | 19046 | 03936 | 96064 | 15110 | **08 oo** |
| 10 | 19126 | 04074 | 95926 | 15052 | 90 |
| 20 | 19206 | 04212 | 95788 | 14994 | 80 |
| 30 | 19286 | 04350 | 95650 | 14936 | 70 |
| 40 | 19366 | 04488 | 95512 | 14878 | 60 |
| 50 | 19446 | 04627 | 95373 | 14820 | 50 |
| 60 | 19527 | 04765 | 95235 | 14762 | 40 |
| 70 | 19607 | 04903 | 95097 | 14704 | 30 |
| 80 | 19687 | 05041 | 94959 | 14645 | 20 |
| 90 | 19767 | 05179 | 94821 | 14587 | 10 |
| **93 oo** | 19847 | 05318 | 94682 | 14529 | **07 oo** |
| 10 | 19927 | 05456 | 94544 | 14471 | 90 |
| 20 | 20007 | 05594 | 94406 | 14413 | 80 |
| 30 | 20087 | 05732 | 94268 | 14355 | 70 |
| 40 | 20167 | 05870 | 94130 | 14297 | 60 |
| 50 | 20247 | 06009 | 93991 | 14238 | 50 |
| 60 | 20327 | 06147 | 93853 | 14180 | 40 |
| 70 | 20407 | 06285 | 93715 | 14122 | 30 |
| 80 | 20487 | 06423 | 93577 | 14064 | 20 |
| 90 | 20567 | 06561 | 93439 | 14006 | 10 |
| **94 oo** | 20647 | 06699 | 93301 | 13948 | **06 oo** |
| 10 | 20727 | 06838 | 93162 | 13890 | 90 |
| 20 | 20807 | 06976 | 93024 | 13831 | 80 |
| 30 | 20887 | 07114 | 92886 | 13773 | 70 |
| 40 | 20967 | 07252 | 92748 | 13715 | 60 |
| 50 | 21047 | 07390 | 92610 | 13657 | 50 |
| 60 | 21127 | 07529 | 92471 | 13599 | 40 |
| 70 | 21207 | 07667 | 92333 | 13541 | 30 |
| 80 | 21287 | 07805 | 92195 | 13482 | 20 |
| 90 | 21367 | 07943 | 92057 | 13424 | 10 |
| **95 oo** | 21447 | 08081 | 91919 | 13366 | **05 oo** |
| | **9.81** | **9.93** | **0.06** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 80 | 138 | 138 | 59 | **55g** |

| 44g | 80 | 139 | 139 | 58 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.88** | |
| **95 oo** | 21447 | 08081 | 91919 | 13366 | **05 oo** |
| 10 | 21527 | 08219 | 91781 | 13308 | 90 |
| 20 | 21607 | 08358 | 91642 | 13250 | 80 |
| 30 | 21687 | 08496 | 91504 | 13192 | 70 |
| 40 | 21767 | 08634 | 91366 | 13133 | 60 |
| 50 | 21847 | 08772 | 91228 | 13075 | 50 |
| 60 | 21927 | 08910 | 91090 | 13017 | 40 |
| 70 | 22007 | 09048 | 90952 | 12959 | 30 |
| 80 | 22087 | 09187 | 90813 | 12901 | 20 |
| 90 | 22167 | 09325 | 90675 | 12842 | 10 |
| **96 oo** | 22247 | 09463 | 90537 | 12784 | **04 oo** |
| 10 | 22327 | 09601 | 90399 | 12726 | 90 |
| 20 | 22407 | 09739 | 90261 | 12668 | 80 |
| 30 | 22487 | 09877 | 90123 | 12610 | 70 |
| 40 | 22567 | 10016 | 89984 | 12551 | 60 |
| 50 | 22647 | 10154 | 89846 | 12493 | 50 |
| 60 | 22727 | 10292 | 89708 | 12435 | 40 |
| 70 | 22807 | 10430 | 89570 | 12377 | 30 |
| 80 | 22887 | 10568 | 89432 | 12319 | 20 |
| 90 | 22967 | 10706 | 89294 | 12260 | 10 |
| **97 oo** | 23047 | 10845 | 89155 | 12202 | **03 oo** |
| 10 | 23127 | 10983 | 89017 | 12144 | 90 |
| 20 | 23207 | 11121 | 88879 | 12086 | 80 |
| 30 | 23287 | 11259 | 88741 | 12028 | 70 |
| 40 | 23367 | 11397 | 88603 | 11969 | 60 |
| 50 | 23447 | 11535 | 88465 | 11911 | 50 |
| 60 | 23526 | 11673 | 88327 | 11853 | 40 |
| 70 | 23606 | 11812 | 88188 | 11795 | 30 |
| 80 | 23686 | 11950 | 88050 | 11737 | 20 |
| 90 | 23766 | 12088 | 87912 | 11678 | 10 |
| **98 oo** | 23846 | 12226 | 87774 | 11620 | **02 oo** |
| 10 | 23926 | 12364 | 87636 | 11562 | 90 |
| 20 | 24006 | 12502 | 87498 | 11504 | 80 |
| 30 | 24086 | 12641 | 87359 | 11445 | 70 |
| 40 | 24166 | 12779 | 87221 | 11387 | 60 |
| 50 | 24246 | 12917 | 87083 | 11329 | 50 |
| 60 | 24326 | 13055 | 86945 | 11271 | 40 |
| 70 | 24406 | 13193 | 86807 | 11212 | 30 |
| 80 | 24485 | 13331 | 86669 | 11154 | 20 |
| 90 | 24565 | 13469 | 86531 | 11096 | 10 |
| **99 oo** | 24645 | 13608 | 86392 | 11038 | **01 oo** |
| 10 | 24725 | 13746 | 86254 | 10979 | 90 |
| 20 | 24805 | 13884 | 86116 | 10921 | 80 |
| 30 | 24885 | 14022 | 85978 | 10863 | 70 |
| 40 | 24965 | 14160 | 85840 | 10805 | 60 |
| 50 | 25045 | 14298 | 85702 | 10746 | 50 |
| 60 | 25125 | 14436 | 85564 | 10688 | 40 |
| 70 | 25205 | 14575 | 85425 | 10630 | 30 |
| 80 | 25284 | 14713 | 85287 | 10572 | 20 |
| 90 | 25364 | 14851 | 85149 | 10513 | 10 |
| **100 oo** | 25444 | 14989 | 85011 | 10455 | **00 oo** |
| | **9.81** | **9.93** | **0.06** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 79 | 138 | 138 | 59 | **55g** |

| | 139 | 138 | 81 | 80 | 79 | 59 | 58 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,1 | 8,0 | 7,9 | 5,9 | 5,8 | 1 |
| 2 | 27,8 | 27,6 | 16,2 | 16,0 | 15,8 | 11,8 | 11,6 | 2 |
| 3 | 41,7 | 41,4 | 24,3 | 24,0 | 23,7 | 17,7 | 17,4 | 3 |
| 4 | 55,6 | 55,2 | 32,4 | 32,0 | 31,6 | 23,6 | 23,2 | 4 |
| 5 | 69,5 | 69,0 | 40,5 | 40,0 | 39,5 | 29,5 | 29,0 | 5 |
| 6 | 83,4 | 82,8 | 48,6 | 48,0 | 47,4 | 35,4 | 34,8 | 6 |
| 7 | 97,3 | 96,6 | 56,7 | 56,0 | 55,3 | 41,3 | 40,6 | 7 |
| 8 | 111,2 | 110,4 | 64,8 | 64,0 | 63,2 | 47,2 | 46,4 | 8 |
| 9 | 125,1 | 124,2 | 72,9 | 72,0 | 71,1 | 53,1 | 52,2 | 9 |

| 45g | 80 | 139 | 139 | 58 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.88** | |
| **00 oo** | 25444 | 14989 | 85011 | 10455 | **100 oo** |
| 10 | 25524 | 15127 | 84873 | 10397 | 90 |
| 20 | 25604 | 15265 | 84735 | 10339 | 80 |
| 30 | 25684 | 15403 | 84597 | 10280 | 70 |
| 40 | 25764 | 15542 | 84458 | 10222 | 60 |
| 50 | 25843 | 15680 | 84320 | 10164 | 50 |
| 60 | 25923 | 15818 | 84182 | 10106 | 40 |
| 70 | 26003 | 15956 | 84044 | 10047 | 30 |
| 80 | 26083 | 16094 | 83906 | 09989 | 20 |
| 90 | 26163 | 16232 | 83768 | 09931 | 10 |
| **01 oo** | 26243 | 16370 | 83630 | 09872 | **99 oo** |
| 10 | 26323 | 16508 | 83492 | 09814 | 90 |
| 20 | 26402 | 16647 | 83353 | 09756 | 80 |
| 30 | 26482 | 16785 | 83215 | 09698 | 70 |
| 40 | 26562 | 16923 | 83077 | 09639 | 60 |
| 50 | 26642 | 17061 | 82939 | 09581 | 50 |
| 60 | 26722 | 17199 | 82801 | 09523 | 40 |
| 70 | 26802 | 17337 | 82663 | 09464 | 30 |
| 80 | 26881 | 17475 | 82525 | 09406 | 20 |
| 90 | 26961 | 17614 | 82386 | 09348 | 10 |
| **02 oo** | 27041 | 17752 | 82248 | 09289 | **98 oo** |
| 10 | 27121 | 17890 | 82110 | 09231 | 90 |
| 20 | 27201 | 18028 | 81972 | 09173 | 80 |
| 30 | 27281 | 18166 | 81834 | 09115 | 70 |
| 40 | 27360 | 18304 | 81696 | 09056 | 60 |
| 50 | 27440 | 18442 | 81558 | 08998 | 50 |
| 60 | 27520 | 18580 | 81420 | 08940 | 40 |
| 70 | 27600 | 18718 | 81282 | 08881 | 30 |
| 80 | 27680 | 18857 | 81143 | 08823 | 20 |
| 90 | 27759 | 18995 | 81005 | 08765 | 10 |
| **03 oo** | 27839 | 19133 | 80867 | 08706 | **97 oo** |
| 10 | 27919 | 19271 | 80729 | 08648 | 90 |
| 20 | 27999 | 19409 | 80591 | 08590 | 80 |
| 30 | 28079 | 19547 | 80453 | 08531 | 70 |
| 40 | 28158 | 19685 | 80315 | 08473 | 60 |
| 50 | 28238 | 19823 | 80177 | 08415 | 50 |
| 60 | 28318 | 19962 | 80038 | 08356 | 40 |
| 70 | 28398 | 20100 | 79900 | 08298 | 30 |
| 80 | 28478 | 20238 | 79762 | 08240 | 20 |
| 90 | 28557 | 20376 | 79624 | 08181 | 10 |
| **04 oo** | 28637 | 20514 | 79486 | 08123 | **96 oo** |
| 10 | 28717 | 20652 | 79348 | 08065 | 90 |
| 20 | 28797 | 20790 | 79210 | 08006 | 80 |
| 30 | 28876 | 20928 | 79072 | 07948 | 70 |
| 40 | 28956 | 21066 | 78934 | 07890 | 60 |
| 50 | 29036 | 21205 | 78795 | 07831 | 50 |
| 60 | 29116 | 21343 | 78657 | 07773 | 40 |
| 70 | 29195 | 21481 | 78519 | 07715 | 30 |
| 80 | 29275 | 21619 | 78381 | 07656 | 20 |
| 90 | 29355 | 21757 | 78243 | 07598 | 10 |
| **05 oo** | 29435 | 21895 | 78105 | 07540 | **95 oo** |
| | **9.81** | **9.93** | **0.06** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | 54g |
| | 79 | 138 | 138 | 59 | |

| 45g | 80 | 139 | 139 | 58 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.88** | |
| **05 oo** | 29435 | 21895 | 78105 | 07540 | **95 oo** |
| 10 | 29514 | 22033 | 77967 | 07481 | 90 |
| 20 | 29594 | 22171 | 77829 | 07423 | 80 |
| 30 | 29674 | 22309 | 77691 | 07365 | 70 |
| 40 | 29754 | 22447 | 77553 | 07306 | 60 |
| 50 | 29833 | 22586 | 77414 | 07248 | 50 |
| 60 | 29913 | 22724 | 77276 | 07189 | 40 |
| 70 | 29993 | 22862 | 77138 | 07131 | 30 |
| 80 | 30073 | 23000 | 77000 | 07073 | 20 |
| 90 | 30152 | 23138 | 76862 | 07014 | 10 |
| **06 oo** | 30232 | 23276 | 76724 | 06956 | **94 oo** |
| 10 | 30312 | 23414 | 76586 | 06898 | 90 |
| 20 | 30391 | 23552 | 76448 | 06839 | 80 |
| 30 | 30471 | 23690 | 76310 | 06781 | 70 |
| 40 | 30551 | 23828 | 76172 | 06722 | 60 |
| 50 | 30631 | 23967 | 76033 | 06664 | 50 |
| 60 | 30710 | 24105 | 75895 | 06606 | 40 |
| 70 | 30790 | 24243 | 75757 | 06547 | 30 |
| 80 | 30870 | 24381 | 75619 | 06489 | 20 |
| 90 | 30949 | 24519 | 75481 | 06430 | 10 |
| **07 oo** | 31029 | 24657 | 75343 | 06372 | **93 oo** |
| 10 | 31109 | 24795 | 75205 | 06314 | 90 |
| 20 | 31189 | 24933 | 75067 | 06255 | 80 |
| 30 | 31268 | 25071 | 74929 | 06197 | 70 |
| 40 | 31348 | 25209 | 74791 | 06139 | 60 |
| 50 | 31428 | 25347 | 74653 | 06080 | 50 |
| 60 | 31507 | 25486 | 74514 | 06022 | 40 |
| 70 | 31587 | 25624 | 74376 | 05963 | 30 |
| 80 | 31667 | 25762 | 74238 | 05905 | 20 |
| 90 | 31746 | 25900 | 74100 | 05846 | 10 |
| **08 oo** | 31826 | 26038 | 73962 | 05788 | **92 oo** |
| 10 | 31906 | 26176 | 73824 | 05730 | 90 |
| 20 | 31985 | 26314 | 73686 | 05671 | 80 |
| 30 | 32065 | 26452 | 73548 | 05613 | 70 |
| 40 | 32145 | 26590 | 73410 | 05554 | 60 |
| 50 | 32224 | 26728 | 73272 | 05496 | 50 |
| 60 | 32304 | 26866 | 73134 | 05438 | 40 |
| 70 | 32384 | 27004 | 72996 | 05379 | 30 |
| 80 | 32463 | 27143 | 72857 | 05321 | 20 |
| 90 | 32543 | 27281 | 72719 | 05262 | 10 |
| **09 oo** | 32623 | 27419 | 72581 | 05204 | **91 oo** |
| 10 | 32702 | 27557 | 72443 | 05145 | 90 |
| 20 | 32782 | 27695 | 72305 | 05087 | 80 |
| 30 | 32861 | 27833 | 72167 | 05029 | 70 |
| 40 | 32941 | 27971 | 72029 | 04970 | 60 |
| 50 | 33021 | 28109 | 71891 | 04912 | 50 |
| 60 | 33100 | 28247 | 71753 | 04853 | 40 |
| 70 | 33180 | 28385 | 71615 | 04795 | 30 |
| 80 | 33260 | 28523 | 71477 | 04736 | 20 |
| 90 | 33339 | 28661 | 71339 | 04678 | 10 |
| **10 oo** | 33419 | 28799 | 71201 | 04619 | **90 oo** |
| | **9.81** | **9.93** | **0.06** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | 54g |
| | 79 | 138 | 138 | 59 | |

| | 139 | 138 | 80 | 79 | 59 | 58 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,0 | 7,9 | 5,9 | 5,8 | 1 |
| 2 | 27,8 | 27,6 | 16,0 | 15,8 | 11,8 | 11,6 | 2 |
| 3 | 41,7 | 41,4 | 24,0 | 23,7 | 17,7 | 17,4 | 3 |
| 4 | 55,6 | 55,2 | 32,0 | 31,6 | 23,6 | 23,2 | 4 |
| 5 | 69,5 | 69,0 | 40,0 | 39,5 | 29,5 | 29,0 | 5 |
| 6 | 83,4 | 82,8 | 48,0 | 47,4 | 35,4 | 34,8 | 6 |
| 7 | 97,3 | 96,6 | 56,0 | 55,3 | 41,3 | 40,6 | 7 |
| 8 | 111,2 | 110,4 | 64,0 | 63,2 | 47,2 | 46,4 | 8 |
| 9 | 125,1 | 124,2 | 72,0 | 71,1 | 53,1 | 52,2 | 9 |

| 45g | 80 | 139 | 139 | 58 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.88** | |
| **10 oo** | 33419 | 28799 | 71201 | 04619 | **90 oo** |
| 10 | 33498 | 28937 | 71063 | 04561 | 90 |
| 20 | 33578 | 29076 | 70924 | 04503 | 80 |
| 30 | 33658 | 29214 | 70786 | 04444 | 70 |
| 40 | 33737 | 29352 | 70648 | 04386 | 60 |
| 50 | 33817 | 29490 | 70510 | 04327 | 50 |
| 60 | 33897 | 29628 | 70372 | 04269 | 40 |
| 70 | 33976 | 29766 | 70234 | 04210 | 30 |
| 80 | 34056 | 29904 | 70096 | 04152 | 20 |
| 90 | 34135 | 30042 | 69958 | 04093 | 10 |
| **11 oo** | 34215 | 30180 | 69820 | 04035 | **89 oo** |
| 10 | 34295 | 30318 | 69682 | 03976 | 90 |
| 20 | 34374 | 30456 | 69544 | 03918 | 80 |
| 30 | 34454 | 30594 | 69406 | 03859 | 70 |
| 40 | 34533 | 30732 | 69268 | 03801 | 60 |
| 50 | 34613 | 30870 | 69130 | 03742 | 50 |
| 60 | 34692 | 31008 | 68992 | 03684 | 40 |
| 70 | 34772 | 31147 | 68853 | 03626 | 30 |
| 80 | 34852 | 31285 | 68715 | 03567 | 20 |
| 90 | 34931 | 31423 | 68577 | 03509 | 10 |
| **12 oo** | 35011 | 31561 | 68439 | 03450 | **88 oo** |
| 10 | 35090 | 31699 | 68301 | 03392 | 90 |
| 20 | 35170 | 31837 | 68163 | 03333 | 80 |
| 30 | 35249 | 31975 | 68025 | 03275 | 70 |
| 40 | 35329 | 32113 | 67887 | 03216 | 60 |
| 50 | 35409 | 32251 | 67749 | 03158 | 50 |
| 60 | 35488 | 32389 | 67611 | 03099 | 40 |
| 70 | 35568 | 32527 | 67473 | 03041 | 30 |
| 80 | 35647 | 32665 | 67335 | 02982 | 20 |
| 90 | 35727 | 32803 | 67197 | 02924 | 10 |
| **13 oo** | 35806 | 32941 | 67059 | 02865 | **87 oo** |
| 10 | 35886 | 33079 | 66921 | 02807 | 90 |
| 20 | 35965 | 33217 | 66783 | 02748 | 80 |
| 30 | 36045 | 33355 | 66645 | 02690 | 70 |
| 40 | 36125 | 33493 | 66507 | 02631 | 60 |
| 50 | 36204 | 33631 | 66369 | 02573 | 50 |
| 60 | 36284 | 33770 | 66230 | 02514 | 40 |
| 70 | 36363 | 33908 | 66092 | 02456 | 30 |
| 80 | 36443 | 34046 | 65954 | 02397 | 20 |
| 90 | 36522 | 34184 | 65816 | 02338 | 10 |
| **14 oo** | 36602 | 34322 | 65678 | 02280 | **86 oo** |
| 10 | 36681 | 34460 | 65540 | 02221 | 90 |
| 20 | 36761 | 34598 | 65402 | 02163 | 80 |
| 30 | 36840 | 34736 | 65264 | 02104 | 70 |
| 40 | 36920 | 34874 | 65126 | 02046 | 60 |
| 50 | 36999 | 35012 | 64988 | 01987 | 50 |
| 60 | 37079 | 35150 | 64850 | 01929 | 40 |
| 70 | 37158 | 35288 | 64712 | 01870 | 30 |
| 80 | 37238 | 35426 | 64574 | 01812 | 20 |
| 90 | 37317 | 35564 | 64436 | 01753 | 10 |
| **15 oo** | 37397 | 35702 | 64298 | 01695 | **85 oo** |
| | **9.81** | **9.93** | **0.06** | **9.88** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 79 | 138 | 138 | 59 | **54g** |

| 45g | 80 | 139 | 139 | 58 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.88** | |
| **15 oo** | 37397 | 35702 | 64298 | 01695 | **85 oo** |
| 10 | 37476 | 35840 | 64160 | 01636 | 90 |
| 20 | 37556 | 35978 | 64022 | 01578 | 80 |
| 30 | 37635 | 36116 | 63884 | 01519 | 70 |
| 40 | 37715 | 36254 | 63746 | 01460 | 60 |
| 50 | 37794 | 36392 | 63608 | 01402 | 50 |
| 60 | 37874 | 36530 | 63470 | 01343 | 40 |
| 70 | 37953 | 36668 | 63332 | 01285 | 30 |
| 80 | 38033 | 36806 | 63194 | 01226 | 20 |
| 90 | 38112 | 36944 | 63056 | 01168 | 10 |
| **16 oo** | 38192 | 37082 | 62918 | 01109 | **84 oo** |
| 10 | 38271 | 37220 | 62780 | 01051 | 90 |
| 20 | 38350 | 37359 | 62641 | 00992 | 80 |
| 30 | 38430 | 37497 | 62503 | 00933 | 70 |
| 40 | 38509 | 37635 | 62365 | 00875 | 60 |
| 50 | 38589 | 37773 | 62227 | 00816 | 50 |
| 60 | 38668 | 37911 | 62089 | 00758 | 40 |
| 70 | 38748 | 38049 | 61951 | 00699 | 30 |
| 80 | 38827 | 38187 | 61813 | 00641 | 20 |
| 90 | 38907 | 38325 | 61675 | 00582 | 10 |
| **17 oo** | 38986 | 38463 | 61537 | 00523 | **83 oo** |
| 10 | 39066 | 38601 | 61399 | 00465 | 90 |
| 20 | 39145 | 38739 | 61261 | 00406 | 80 |
| 30 | 39224 | 38877 | 61123 | 00348 | 70 |
| 40 | 39304 | 39015 | 60985 | 00289 | 60 |
| 50 | 39383 | 39153 | 60847 | 00230 | 50 |
| 60 | 39463 | 39291 | 60709 | 00172 | 40 |
| 70 | 39542 | 39429 | 60571 | 00113 | 30 |
| 80 | 39622 | 39567 | 60433 | 00055 | 20 |
| 90 | 39701 | 39705 | 60295 | *99996 | 10 |
| **18 oo** | 39780 | 39843 | 60157 | *99937 | **82 oo** |
| 10 | 39860 | 39981 | 60019 | *99879 | 90 |
| 20 | 39939 | 40119 | 59881 | *99820 | 80 |
| 30 | 40019 | 40257 | 59743 | *99762 | 70 |
| 40 | 40098 | 40395 | 59605 | *99703 | 60 |
| 50 | 40177 | 40533 | 59467 | *99644 | 50 |
| 60 | 40257 | 40671 | 59329 | *99586 | 40 |
| 70 | 40336 | 40809 | 59191 | *99527 | 30 |
| 80 | 40416 | 40947 | 59053 | *99469 | 20 |
| 90 | 40495 | 41085 | 58915 | *99410 | 10 |
| **19 oo** | 40574 | 41223 | 58777 | *99351 | **81 oo** |
| 10 | 40654 | 41361 | 58639 | *99293 | 90 |
| 20 | 40733 | 41499 | 58501 | *99234 | 80 |
| 30 | 40813 | 41637 | 58363 | *99176 | 70 |
| 40 | 40892 | 41775 | 58225 | *99117 | 60 |
| 50 | 40971 | 41913 | 58087 | *99058 | 50 |
| 60 | 41051 | 42051 | 57949 | *99000 | 40 |
| 70 | 41130 | 42189 | 57811 | *98941 | 30 |
| 80 | 41210 | 42327 | 57673 | *98882 | 20 |
| 90 | 41289 | 42465 | 57535 | *98824 | 10 |
| **20 oo** | 41368 | 42603 | 57397 | *98765 | **80 oo** |
| | **9.81** | **9.93** | **0.06** | ***9.87** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 79 | 138 | 138 | 59 | **54g** |

| | 139 | 138 | 80 | 79 | 59 | 58 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,9 | 13,8 | 8,0 | 7,9 | 5,9 | 5,8 | 1 |
| 2 | 27,8 | 27,6 | 16,0 | 15,8 | 11,8 | 11,6 | 2 |
| 3 | 41,7 | 41,4 | 24,0 | 23,7 | 17,7 | 17,4 | 3 |
| 4 | 55,6 | 55,2 | 32,0 | 31,6 | 23,6 | 23,2 | 4 |
| 5 | 69,5 | 69,0 | 40,0 | 39,5 | 29,5 | 29,0 | 5 |
| 6 | 83,4 | 82,8 | 48,0 | 47,4 | 35,4 | 34,8 | 6 |
| 7 | 97,3 | 96,6 | 56,0 | 55,3 | 41,3 | 40,6 | 7 |
| 8 | 111,2 | 110,4 | 64,0 | 63,2 | 47,2 | 46,4 | 8 |
| 9 | 125,1 | 124,2 | 72,0 | 71,1 | 53,1 | 52,2 | 9 |

| 45g | 80 | 138 | 138 | 58 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.87** | |
| **20 oo** | 41368 | 42603 | 57397 | 98765 | **80 oo** |
| 10 | 41448 | 42741 | 57259 | 98707 | 90 |
| 20 | 41527 | 42879 | 57121 | 98648 | 80 |
| 30 | 41606 | 43017 | 56983 | 98589 | 70 |
| 40 | 41686 | 43155 | 56845 | 98531 | 60 |
| 50 | 41765 | 43293 | 56707 | 98472 | 50 |
| 60 | 41844 | 43431 | 56569 | 98413 | 40 |
| 70 | 41924 | 43569 | 56431 | 98355 | 30 |
| 80 | 42003 | 43707 | 56293 | 98296 | 20 |
| 90 | 42082 | 43845 | 56155 | 98237 | 10 |
| **21 oo** | 42162 | 43983 | 56017 | 98179 | **79 oo** |
| 10 | 42241 | 44121 | 55879 | 98120 | 90 |
| 20 | 42320 | 44259 | 55741 | 98061 | 80 |
| 30 | 42400 | 44397 | 55603 | 98003 | 70 |
| 40 | 42479 | 44535 | 55465 | 97944 | 60 |
| 50 | 42558 | 44673 | 55327 | 97885 | 50 |
| 60 | 42638 | 44811 | 55189 | 97827 | 40 |
| 70 | 42717 | 44949 | 55051 | 97768 | 30 |
| 80 | 42796 | 45087 | 54913 | 97709 | 20 |
| 90 | 42876 | 45225 | 54775 | 97651 | 10 |
| **22 oo** | 42955 | 45363 | 54637 | 97592 | **78 oo** |
| 10 | 43034 | 45501 | 54499 | 97533 | 90 |
| 20 | 43114 | 45639 | 54361 | 97475 | 80 |
| 30 | 43193 | 45777 | 54223 | 97416 | 70 |
| 40 | 43272 | 45915 | 54085 | 97357 | 60 |
| 50 | 43352 | 46053 | 53947 | 97299 | 50 |
| 60 | 43431 | 46191 | 53809 | 97240 | 40 |
| 70 | 43510 | 46329 | 53671 | 97181 | 30 |
| 80 | 43590 | 46467 | 53533 | 97123 | 20 |
| 90 | 43669 | 46605 | 53395 | 97064 | 10 |
| **23 oo** | 43748 | 46743 | 53257 | 97005 | **77 oo** |
| 10 | 43827 | 46881 | 53119 | 96947 | 90 |
| 20 | 43907 | 47019 | 52981 | 96888 | 80 |
| 30 | 43986 | 47157 | 52843 | 96829 | 70 |
| 40 | 44065 | 47295 | 52705 | 96770 | 60 |
| 50 | 44145 | 47433 | 52567 | 96712 | 50 |
| 60 | 44224 | 47571 | 52429 | 96653 | 40 |
| 70 | 44303 | 47709 | 52291 | 96594 | 30 |
| 80 | 44382 | 47847 | 52153 | 96536 | 20 |
| 90 | 44462 | 47985 | 52015 | 96477 | 10 |
| **24 oo** | 44541 | 48123 | 51877 | 96418 | **76 oo** |
| 10 | 44620 | 48261 | 51739 | 96360 | 90 |
| 20 | 44699 | 48399 | 51601 | 96301 | 80 |
| 30 | 44779 | 48537 | 51463 | 96242 | 70 |
| 40 | 44858 | 48675 | 51325 | 96183 | 60 |
| 50 | 44937 | 48813 | 51187 | 96125 | 50 |
| 60 | 45017 | 48951 | 51049 | 96066 | 40 |
| 70 | 45096 | 49089 | 50911 | 96007 | 30 |
| 80 | 45175 | 49227 | 50773 | 95948 | 20 |
| 90 | 45254 | 49365 | 50635 | 95890 | 10 |
| **25 oo** | 45334 | 49502 | 50498 | 95831 | **75 oo** |
| | **9.81** | **9.93** | **0.06** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | 54g |
| | 79 | 137 | 137 | 59 | |

| 45g | 80 | 138 | 138 | 58 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.87** | |
| **25 oo** | 45334 | 49502 | 50498 | 95831 | **75 oo** |
| 10 | 45413 | 49640 | 50360 | 95772 | 90 |
| 20 | 45492 | 49778 | 50222 | 95714 | 80 |
| 30 | 45571 | 49916 | 50084 | 95655 | 70 |
| 40 | 45650 | 50054 | 49946 | 95596 | 60 |
| 50 | 45730 | 50192 | 49808 | 95537 | 50 |
| 60 | 45809 | 50330 | 49670 | 95479 | 40 |
| 70 | 45888 | 50468 | 49532 | 95420 | 30 |
| 80 | 45967 | 50606 | 49394 | 95361 | 20 |
| 90 | 46047 | 50744 | 49256 | 95302 | 10 |
| **26 oo** | 46126 | 50882 | 49118 | 95244 | **74 oo** |
| 10 | 46205 | 51020 | 48980 | 95185 | 90 |
| 20 | 46284 | 51158 | 48842 | 95126 | 80 |
| 30 | 46363 | 51296 | 48704 | 95067 | 70 |
| 40 | 46443 | 51434 | 48566 | 95009 | 60 |
| 50 | 46522 | 51572 | 48428 | 94950 | 50 |
| 60 | 46601 | 51710 | 48290 | 94891 | 40 |
| 70 | 46680 | 51848 | 48152 | 94832 | 30 |
| 80 | 46759 | 51986 | 48014 | 94774 | 20 |
| 90 | 46839 | 52124 | 47876 | 94715 | 10 |
| **27 oo** | 46918 | 52262 | 47738 | 94656 | **73 oo** |
| 10 | 46997 | 52400 | 47600 | 94597 | 90 |
| 20 | 47076 | 52538 | 47462 | 94539 | 80 |
| 30 | 47155 | 52676 | 47324 | 94480 | 70 |
| 40 | 47235 | 52814 | 47186 | 94421 | 60 |
| 50 | 47314 | 52952 | 47048 | 94362 | 50 |
| 60 | 47393 | 53090 | 46910 | 94303 | 40 |
| 70 | 47472 | 53227 | 46773 | 94245 | 30 |
| 80 | 47551 | 53365 | 46635 | 94186 | 20 |
| 90 | 47630 | 53503 | 46497 | 94127 | 10 |
| **28 oo** | 47710 | 53641 | 46359 | 94068 | **72 oo** |
| 10 | 47789 | 53779 | 46221 | 94010 | 90 |
| 20 | 47868 | 53917 | 46083 | 93951 | 80 |
| 30 | 47947 | 54055 | 45945 | 93892 | 70 |
| 40 | 48026 | 54193 | 45807 | 93833 | 60 |
| 50 | 48105 | 54331 | 45669 | 93774 | 50 |
| 60 | 48185 | 54469 | 45531 | 93716 | 40 |
| 70 | 48264 | 54607 | 45393 | 93657 | 30 |
| 80 | 48343 | 54745 | 45255 | 93598 | 20 |
| 90 | 48422 | 54883 | 45117 | 93539 | 10 |
| **29 oo** | 48501 | 55021 | 44979 | 93480 | **71 oo** |
| 10 | 48580 | 55159 | 44841 | 93422 | 90 |
| 20 | 48659 | 55297 | 44703 | 93363 | 80 |
| 30 | 48739 | 55435 | 44565 | 93304 | 70 |
| 40 | 48818 | 55573 | 44427 | 93245 | 60 |
| 50 | 48897 | 55711 | 44289 | 93186 | 50 |
| 60 | 48976 | 55848 | 44152 | 93127 | 40 |
| 70 | 49055 | 55986 | 44014 | 93069 | 30 |
| 80 | 49134 | 56124 | 43876 | 93010 | 20 |
| 90 | 49213 | 56262 | 43738 | 92951 | 10 |
| **30 oo** | 49292 | 56400 | 43600 | 92892 | **70 oo** |
| | **9.81** | **9.93** | **0.06** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | 54g |
| | 79 | 137 | 137 | 59 | |

| | 138 | 137 | 80 | 79 | 59 | 58 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 8,0 | 7,9 | 5,9 | 5,8 | 1 |
| 2 | 27,6 | 27,4 | 16,0 | 15,8 | 11,8 | 11,6 | 2 |
| 3 | 41,4 | 41,1 | 24,0 | 23,7 | 17,7 | 17,4 | 3 |
| 4 | 55,2 | 54,8 | 32,0 | 31,6 | 23,6 | 23,2 | 4 |
| 5 | 69,0 | 68,5 | 40,0 | 39,5 | 29,5 | 29,0 | 5 |
| 6 | 82,8 | 82,2 | 48,0 | 47,4 | 35,4 | 34,8 | 6 |
| 7 | 96,6 | 95,9 | 56,0 | 55,3 | 41,3 | 40,6 | 7 |
| 8 | 110,4 | 109,6 | 64,0 | 63,2 | 47,2 | 46,4 | 8 |
| 9 | 124,2 | 123,3 | 72,0 | 71,1 | 53,1 | 52,2 | 9 |

| 45g | 80 | 138 | 138 | 58 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.87** | |
| **30 oo** | 49292 | 56400 | 43600 | 92892 | **70 oo** |
| 10 | 49372 | 56538 | 43462 | 92833 | 90 |
| 20 | 49451 | 56676 | 43324 | 92775 | 80 |
| 30 | 49530 | 56814 | 43186 | 92716 | 70 |
| 40 | 49609 | 56952 | 43048 | 92657 | 60 |
| 50 | 49688 | 57090 | 42910 | 92598 | 50 |
| 60 | 49767 | 57228 | 42772 | 92539 | 40 |
| 70 | 49846 | 57366 | 42634 | 92480 | 30 |
| 80 | 49925 | 57504 | 42496 | 92422 | 20 |
| 90 | 50004 | 57642 | 42358 | 92363 | 10 |
| **31 oo** | 50083 | 57780 | 42220 | 92304 | **69 oo** |
| 10 | 50163 | 57918 | 42082 | 92245 | 90 |
| 20 | 50242 | 58055 | 41945 | 92186 | 80 |
| 30 | 50321 | 58193 | 41807 | 92127 | 70 |
| 40 | 50400 | 58331 | 41669 | 92069 | 60 |
| 50 | 50479 | 58469 | 41531 | 92010 | 50 |
| 60 | 50558 | 58607 | 41393 | 91951 | 40 |
| 70 | 50637 | 58745 | 41255 | 91892 | 30 |
| 80 | 50716 | 58883 | 41117 | 91833 | 20 |
| 90 | 50795 | 59021 | 40979 | 91774 | 10 |
| **32 oo** | 50874 | 59159 | 40841 | 91715 | **68 oo** |
| 10 | 50953 | 59297 | 40703 | 91657 | 90 |
| 20 | 51032 | 59435 | 40565 | 91598 | 80 |
| 30 | 51111 | 59573 | 40427 | 91539 | 70 |
| 40 | 51191 | 59711 | 40289 | 91480 | 60 |
| 50 | 51270 | 59848 | 40152 | 91421 | 50 |
| 60 | 51349 | 59986 | 40014 | 91362 | 40 |
| 70 | 51428 | 60124 | 39876 | 91303 | 30 |
| 80 | 51507 | 60262 | 39738 | 91244 | 20 |
| 90 | 51586 | 60400 | 39600 | 91186 | 10 |
| **33 oo** | 51665 | 60538 | 39462 | 91127 | **67 oo** |
| 10 | 51744 | 60676 | 39324 | 91068 | 90 |
| 20 | 51823 | 60814 | 39186 | 91009 | 80 |
| 30 | 51902 | 60952 | 39048 | 90950 | 70 |
| 40 | 51981 | 61090 | 38910 | 90891 | 60 |
| 50 | 52060 | 61228 | 38772 | 90832 | 50 |
| 60 | 52139 | 61366 | 38634 | 90773 | 40 |
| 70 | 52218 | 61504 | 38496 | 90715 | 30 |
| 80 | 52297 | 61641 | 38359 | 90656 | 20 |
| 90 | 52376 | 61779 | 38221 | 90597 | 10 |
| **34 oo** | 52455 | 61917 | 38083 | 90538 | **66 oo** |
| 10 | 52534 | 62055 | 37945 | 90479 | 90 |
| 20 | 52613 | 62193 | 37807 | 90420 | 80 |
| 30 | 52692 | 62331 | 37669 | 90361 | 70 |
| 40 | 52771 | 62469 | 37531 | 90302 | 60 |
| 50 | 52850 | 62607 | 37393 | 90243 | 50 |
| 60 | 52929 | 62745 | 37255 | 90184 | 40 |
| 70 | 53008 | 62883 | 37117 | 90125 | 30 |
| 80 | 53087 | 63021 | 36979 | 90067 | 20 |
| 90 | 53166 | 63158 | 36842 | 90008 | 10 |
| **35 oo** | 53245 | 63296 | 36704 | 89949 | **65 oo** |
| | **9.81** | **9.93** | **0.06** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **54g** |
| | 79 | 137 | 137 | 59 | |

| 45g | 79 | 138 | 138 | 58 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.87** | |
| **35 oo** | 53245 | 63296 | 36704 | 89949 | **65 oo** |
| 10 | 53324 | 63434 | 36566 | 89890 | 90 |
| 20 | 53403 | 63572 | 36428 | 89831 | 80 |
| 30 | 53482 | 63710 | 36290 | 89772 | 70 |
| 40 | 53561 | 63848 | 36152 | 89713 | 60 |
| 50 | 53640 | 63986 | 36014 | 89654 | 50 |
| 60 | 53719 | 64124 | 35876 | 89595 | 40 |
| 70 | 53798 | 64262 | 35738 | 89536 | 30 |
| 80 | 53877 | 64400 | 35600 | 89477 | 20 |
| 90 | 53956 | 64537 | 35463 | 89418 | 10 |
| **36 oo** | 54035 | 64675 | 35325 | 89359 | **64 oo** |
| 10 | 54114 | 64813 | 35187 | 89301 | 90 |
| 20 | 54193 | 64951 | 35049 | 89242 | 80 |
| 30 | 54272 | 65089 | 34911 | 89183 | 70 |
| 40 | 54351 | 65227 | 34773 | 89124 | 60 |
| 50 | 54430 | 65365 | 34635 | 89065 | 50 |
| 60 | 54509 | 65503 | 34497 | 89006 | 40 |
| 70 | 54588 | 65641 | 34359 | 88947 | 30 |
| 80 | 54667 | 65779 | 34221 | 88888 | 20 |
| 90 | 54745 | 65916 | 34084 | 88829 | 10 |
| **37 oo** | 54824 | 66054 | 33946 | 88770 | **63 oo** |
| 10 | 54903 | 66192 | 33808 | 88711 | 90 |
| 20 | 54982 | 66330 | 33670 | 88652 | 80 |
| 30 | 55061 | 66468 | 33532 | 88593 | 70 |
| 40 | 55140 | 66606 | 33394 | 88534 | 60 |
| 50 | 55219 | 66744 | 33256 | 88475 | 50 |
| 60 | 55298 | 66882 | 33118 | 88416 | 40 |
| 70 | 55377 | 67020 | 32980 | 88357 | 30 |
| 80 | 55456 | 67157 | 32843 | 88298 | 20 |
| 90 | 55535 | 67295 | 32705 | 88239 | 10 |
| **38 oo** | 55614 | 67433 | 32567 | 88180 | **62 oo** |
| 10 | 55693 | 67571 | 32429 | 88121 | 90 |
| 20 | 55772 | 67709 | 32291 | 88062 | 80 |
| 30 | 55850 | 67847 | 32153 | 88004 | 70 |
| 40 | 55929 | 67985 | 32015 | 87945 | 60 |
| 50 | 56008 | 68123 | 31877 | 87886 | 50 |
| 60 | 56087 | 68261 | 31739 | 87827 | 40 |
| 70 | 56166 | 68398 | 31602 | 87768 | 30 |
| 80 | 56245 | 68536 | 31464 | 87709 | 20 |
| 90 | 56324 | 68674 | 31326 | 87650 | 10 |
| **39 oo** | 56403 | 68812 | 31188 | 87591 | **61 oo** |
| 10 | 56482 | 68950 | 31050 | 87532 | 90 |
| 20 | 56560 | 69088 | 30912 | 87473 | 80 |
| 30 | 56639 | 69226 | 30774 | 87414 | 70 |
| 40 | 56718 | 69364 | 30636 | 87355 | 60 |
| 50 | 56797 | 69501 | 30499 | 87296 | 50 |
| 60 | 56876 | 69639 | 30361 | 87237 | 40 |
| 70 | 56955 | 69777 | 30223 | 87178 | 30 |
| 80 | 57034 | 69915 | 30085 | 87119 | 20 |
| 90 | 57113 | 70053 | 29947 | 87060 | 10 |
| **40 oo** | 57191 | 70191 | 29809 | 87001 | **60 oo** |
| | **9.81** | **9.93** | **0.06** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **54g** |
| | 78 | 137 | 137 | 59 | |

| | 138 | 137 | 80 | 79 | 78 | 59 | 58 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 8,0 | 7,9 | 7,8 | 5,9 | 5,8 | 1 |
| 2 | 27,6 | 27,4 | 16,0 | 15,8 | 15,6 | 11,8 | 11,6 | 2 |
| 3 | 41,4 | 41,1 | 24,0 | 23,7 | 23,4 | 17,7 | 17,4 | 3 |
| 4 | 55,2 | 54,8 | 32,0 | 31,6 | 31,2 | 23,6 | 23,2 | 4 |
| 5 | 69,0 | 68,5 | 40,0 | 39,5 | 39,0 | 29,5 | 29,0 | 5 |
| 6 | 82,8 | 82,2 | 48,0 | 47,4 | 46,8 | 35,4 | 34,8 | 6 |
| 7 | 96,6 | 95,9 | 56,0 | 55,3 | 54,6 | 41,3 | 40,6 | 7 |
| 8 | 110,4 | 109,6 | 64,0 | 63,2 | 62,4 | 47,2 | 46,4 | 8 |
| 9 | 124,2 | 123,3 | 72,0 | 71,1 | 70,2 | 53,1 | 52,2 | 9 |

| 45g | 79 | 138 | 138 | 59 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.87** | |
| **40 oo** | 57191 | 70191 | 29809 | 87001 | **60 oo** |
| 10 | 57270 | 70329 | 29671 | 86942 | 90 |
| 20 | 57349 | 70467 | 29533 | 86883 | 80 |
| 30 | 57428 | 70605 | 29395 | 86824 | 70 |
| 40 | 57507 | 70742 | 29258 | 86765 | 60 |
| 50 | 57586 | 70880 | 29120 | 86706 | 50 |
| 60 | 57665 | 71018 | 28982 | 86647 | 40 |
| 70 | 57743 | 71156 | 28844 | 86587 | 30 |
| 80 | 57822 | 71294 | 28706 | 86528 | 20 |
| 90 | 57901 | 71432 | 28568 | 86469 | 10 |
| **41 oo** | 57980 | 71570 | 28430 | 86410 | **59 oo** |
| 10 | 58059 | 71707 | 28293 | 86351 | 90 |
| 20 | 58138 | 71845 | 28155 | 86292 | 80 |
| 30 | 58217 | 71983 | 28017 | 86233 | 70 |
| 40 | 58295 | 72121 | 27879 | 86174 | 60 |
| 50 | 58374 | 72259 | 27741 | 86115 | 50 |
| 60 | 58453 | 72397 | 27603 | 86056 | 40 |
| 70 | 58532 | 72535 | 27465 | 85997 | 30 |
| 80 | 58611 | 72673 | 27327 | 85938 | 20 |
| 90 | 58689 | 72810 | 27190 | 85879 | 10 |
| **42 oo** | 58768 | 72948 | 27052 | 85820 | **58 oo** |
| 10 | 58847 | 73086 | 26914 | 85761 | 90 |
| 20 | 58926 | 73224 | 26776 | 85702 | 80 |
| 30 | 59005 | 73362 | 26638 | 85643 | 70 |
| 40 | 59084 | 73500 | 26500 | 85584 | 60 |
| 50 | 59162 | 73638 | 26362 | 85525 | 50 |
| 60 | 59241 | 73775 | 26225 | 85466 | 40 |
| 70 | 59320 | 73913 | 26087 | 85407 | 30 |
| 80 | 59399 | 74051 | 25949 | 85348 | 20 |
| 90 | 59478 | 74189 | 25811 | 85289 | 10 |
| **43 oo** | 59556 | 74327 | 25673 | 85229 | **57 oo** |
| 10 | 59635 | 74465 | 25535 | 85170 | 90 |
| 20 | 59714 | 74603 | 25397 | 85111 | 80 |
| 30 | 59793 | 74740 | 25260 | 85052 | 70 |
| 40 | 59871 | 74878 | 25122 | 84993 | 60 |
| 50 | 59950 | 75016 | 24984 | 84934 | 50 |
| 60 | 60029 | 75154 | 24846 | 84875 | 40 |
| 70 | 60108 | 75292 | 24708 | 84816 | 30 |
| 80 | 60187 | 75430 | 24570 | 84757 | 20 |
| 90 | 60265 | 75568 | 24432 | 84698 | 10 |
| **44 oo** | 60344 | 75705 | 24295 | 84639 | **56 oo** |
| 10 | 60423 | 75843 | 24157 | 84580 | 90 |
| 20 | 60502 | 75981 | 24019 | 84521 | 80 |
| 30 | 60580 | 76119 | 23881 | 84461 | 70 |
| 40 | 60659 | 76257 | 23743 | 84402 | 60 |
| 50 | 60738 | 76395 | 23605 | 84343 | 50 |
| 60 | 60817 | 76532 | 23468 | 84284 | 40 |
| 70 | 60895 | 76670 | 23330 | 84225 | 30 |
| 80 | 60974 | 76808 | 23192 | 84166 | 20 |
| 90 | 61053 | 76946 | 23054 | 84107 | 10 |
| **45 oo** | 61132 | 77084 | 22916 | 84048 | **55 oo** |
| | **9.81** | **9.93** | **0.06** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | 54g |
| | 78 | 137 | 137 | 60 | |

| 45g | 79 | 138 | 138 | 59 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.87** | |
| **45 oo** | 61132 | 77084 | 22916 | 84048 | **55 oo** |
| 10 | 61210 | 77222 | 22778 | 83989 | 90 |
| 20 | 61289 | 77360 | 22640 | 83930 | 80 |
| 30 | 61368 | 77497 | 22503 | 83870 | 70 |
| 40 | 61447 | 77635 | 22365 | 83811 | 60 |
| 50 | 61525 | 77773 | 22227 | 83752 | 50 |
| 60 | 61604 | 77911 | 22089 | 83693 | 40 |
| 70 | 61683 | 78049 | 21951 | 83634 | 30 |
| 80 | 61761 | 78187 | 21813 | 83575 | 20 |
| 90 | 61840 | 78324 | 21676 | 83516 | 10 |
| **46 oo** | 61919 | 78462 | 21538 | 83457 | **54 oo** |
| 10 | 61998 | 78600 | 21400 | 83398 | 90 |
| 20 | 62076 | 78738 | 21262 | 83338 | 80 |
| 30 | 62155 | 78876 | 21124 | 83279 | 70 |
| 40 | 62234 | 79014 | 20986 | 83220 | 60 |
| 50 | 62312 | 79151 | 20849 | 83161 | 50 |
| 60 | 62391 | 79289 | 20711 | 83102 | 40 |
| 70 | 62470 | 79427 | 20573 | 83043 | 30 |
| 80 | 62549 | 79565 | 20435 | 82984 | 20 |
| 90 | 62627 | 79703 | 20297 | 82924 | 10 |
| **47 oo** | 62706 | 79841 | 20159 | 82865 | **53 oo** |
| 10 | 62785 | 79978 | 20022 | 82806 | 90 |
| 20 | 62863 | 80116 | 19884 | 82747 | 80 |
| 30 | 62942 | 80254 | 19746 | 82688 | 70 |
| 40 | 63021 | 80392 | 19608 | 82629 | 60 |
| 50 | 63099 | 80530 | 19470 | 82570 | 50 |
| 60 | 63178 | 80668 | 19332 | 82510 | 40 |
| 70 | 63257 | 80805 | 19195 | 82451 | 30 |
| 80 | 63335 | 80943 | 19057 | 82392 | 20 |
| 90 | 63414 | 81081 | 18919 | 82333 | 10 |
| **48 oo** | 63493 | 81219 | 18781 | 82274 | **52 oo** |
| 10 | 63571 | 81357 | 18643 | 82215 | 90 |
| 20 | 63650 | 81495 | 18505 | 82156 | 80 |
| 30 | 63729 | 81632 | 18368 | 82096 | 70 |
| 40 | 63807 | 81770 | 18230 | 82037 | 60 |
| 50 | 63886 | 81908 | 18092 | 81978 | 50 |
| 60 | 63965 | 82046 | 17954 | 81919 | 40 |
| 70 | 64043 | 82184 | 17816 | 81860 | 30 |
| 80 | 64122 | 82321 | 17679 | 81800 | 20 |
| 90 | 64201 | 82459 | 17541 | 81741 | 10 |
| **49 oo** | 64279 | 82597 | 17403 | 81682 | **51 oo** |
| 10 | 64358 | 82735 | 17265 | 81623 | 90 |
| 20 | 64437 | 82873 | 17127 | 81564 | 80 |
| 30 | 64515 | 83011 | 16989 | 81505 | 70 |
| 40 | 64594 | 83148 | 16852 | 81445 | 60 |
| 50 | 64672 | 83286 | 16714 | 81386 | 50 |
| 60 | 64751 | 83424 | 16576 | 81327 | 40 |
| 70 | 64830 | 83562 | 16438 | 81268 | 30 |
| 80 | 64908 | 83700 | 16300 | 81209 | 20 |
| 90 | 64987 | 83837 | 16163 | 81149 | 10 |
| **50 oo** | 65066 | 83975 | 16025 | 81090 | **50 oo** |
| | **9.81** | **9.93** | **0.06** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | 54g |
| | 78 | 137 | 137 | 60 | |

| | 138 | 137 | 79 | 78 | 60 | 59 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,9 | 7,8 | 6,0 | 5,9 | 1 |
| 2 | 27,6 | 27,4 | 15,8 | 15,6 | 12,0 | 11,8 | 2 |
| 3 | 41,4 | 41,1 | 23,7 | 23,4 | 18,0 | 17,7 | 3 |
| 4 | 55,2 | 54,8 | 31,6 | 31,2 | 24,0 | 23,6 | 4 |
| 5 | 69,0 | 68,5 | 39,5 | 39,0 | 30,0 | 29,5 | 5 |
| 6 | 82,8 | 82,2 | 47,4 | 46,8 | 36,0 | 35,4 | 6 |
| 7 | 96,6 | 95,9 | 55,3 | 54,6 | 42,0 | 41,3 | 7 |
| 8 | 110,4 | 109,6 | 63,2 | 62,4 | 48,0 | 47,2 | 8 |
| 9 | 124,2 | 123,3 | 71,1 | 70,2 | 54,0 | 53,1 | 9 |

| 45g | 79 | 138 | 138 | 59 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.87** | |
| **50 oo** | 65066 | 83975 | 16025 | 81090 | **50 oo** |
| 10 | 65144 | 84113 | 15887 | 81031 | 90 |
| 20 | 65223 | 84251 | 15749 | 80972 | 80 |
| 30 | 65301 | 84389 | 15611 | 80913 | 70 |
| 40 | 65380 | 84526 | 15474 | 80853 | 60 |
| 50 | 65459 | 84664 | 15336 | 80794 | 50 |
| 60 | 65537 | 84802 | 15198 | 80735 | 40 |
| 70 | 65616 | 84940 | 15060 | 80676 | 30 |
| 80 | 65694 | 85078 | 14922 | 80617 | 20 |
| 90 | 65773 | 85216 | 14784 | 80557 | 10 |
| **51 oo** | 65852 | 85353 | 14647 | 80498 | **49 oo** |
| 10 | 65930 | 85491 | 14509 | 80439 | 90 |
| 20 | 66009 | 85629 | 14371 | 80380 | 80 |
| 30 | 66087 | 85767 | 14233 | 80321 | 70 |
| 40 | 66166 | 85905 | 14095 | 80261 | 60 |
| 50 | 66244 | 86042 | 13958 | 80202 | 50 |
| 60 | 66323 | 86180 | 13820 | 80143 | 40 |
| 70 | 66402 | 86318 | 13682 | 80084 | 30 |
| 80 | 66480 | 86456 | 13544 | 80024 | 20 |
| 90 | 66559 | 86594 | 13406 | 79965 | 10 |
| **52 oo** | 66637 | 86731 | 13269 | 79906 | **48 oo** |
| 10 | 66716 | 86869 | 13131 | 79847 | 90 |
| 20 | 66794 | 87007 | 12993 | 79787 | 80 |
| 30 | 66873 | 87145 | 12855 | 79728 | 70 |
| 40 | 66952 | 87283 | 12717 | 79669 | 60 |
| 50 | 67030 | 87420 | 12580 | 79610 | 50 |
| 60 | 67109 | 87558 | 12442 | 79551 | 40 |
| 70 | 67187 | 87696 | 12304 | 79491 | 30 |
| 80 | 67266 | 87834 | 12166 | 79432 | 20 |
| 90 | 67344 | 87972 | 12028 | 79373 | 10 |
| **53 oo** | 67423 | 88109 | 11891 | 79314 | **47 oo** |
| 10 | 67501 | 88247 | 11753 | 79254 | 90 |
| 20 | 67580 | 88385 | 11615 | 79195 | 80 |
| 30 | 67658 | 88523 | 11477 | 79136 | 70 |
| 40 | 67737 | 88661 | 11339 | 79076 | 60 |
| 50 | 67816 | 88798 | 11202 | 79017 | 50 |
| 60 | 67894 | 88936 | 11064 | 78958 | 40 |
| 70 | 67973 | 89074 | 10926 | 78899 | 30 |
| 80 | 68051 | 89212 | 10788 | 78839 | 20 |
| 90 | 68130 | 89349 | 10651 | 78780 | 10 |
| **54 oo** | 68208 | 89487 | 10513 | 78721 | **46 oo** |
| 10 | 68287 | 89625 | 10375 | 78662 | 90 |
| 20 | 68365 | 89763 | 10237 | 78602 | 80 |
| 30 | 68444 | 89901 | 10099 | 78543 | 70 |
| 40 | 68522 | 90038 | 09962 | 78484 | 60 |
| 50 | 68601 | 90176 | 09824 | 78424 | 50 |
| 60 | 68679 | 90314 | 09686 | 78365 | 40 |
| 70 | 68758 | 90452 | 09548 | 78306 | 30 |
| 80 | 68836 | 90590 | 09410 | 78247 | 20 |
| 90 | 68915 | 90727 | 09273 | 78187 | 10 |
| **55 oo** | 68993 | 90865 | 09135 | 78128 | **45 oo** |
| | **9.81** | **9.93** | **0.06** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **54g** |
| | 78 | 137 | 137 | 60 | |

| 45g | 79 | 138 | 138 | 59 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.93** | **0.06** | **9.87** | |
| **55 oo** | 68993 | 90865 | 09135 | 78128 | **45 oo** |
| 10 | 69072 | 91003 | 08997 | 78069 | 90 |
| 20 | 69150 | 91141 | 08859 | 78009 | 80 |
| 30 | 69229 | 91278 | 08722 | 77950 | 70 |
| 40 | 69307 | 91416 | 08584 | 77891 | 60 |
| 50 | 69386 | 91554 | 08446 | 77832 | 50 |
| 60 | 69464 | 91692 | 08308 | 77772 | 40 |
| 70 | 69543 | 91830 | 08170 | 77713 | 30 |
| 80 | 69621 | 91967 | 08033 | 77654 | 20 |
| 90 | 69699 | 92105 | 07895 | 77594 | 10 |
| **56 oo** | 69778 | 92243 | 07757 | 77535 | **44 oo** |
| 10 | 69856 | 92381 | 07619 | 77476 | 90 |
| 20 | 69935 | 92518 | 07482 | 77416 | 80 |
| 30 | 70013 | 92656 | 07344 | 77357 | 70 |
| 40 | 70092 | 92794 | 07206 | 77298 | 60 |
| 50 | 70170 | 92932 | 07068 | 77238 | 50 |
| 60 | 70249 | 93070 | 06930 | 77179 | 40 |
| 70 | 70327 | 93207 | 06793 | 77120 | 30 |
| 80 | 70406 | 93345 | 06655 | 77061 | 20 |
| 90 | 70484 | 93483 | 06517 | 77001 | 10 |
| **57 oo** | 70562 | 93621 | 06379 | 76942 | **43 oo** |
| 10 | 70641 | 93758 | 06242 | 76883 | 90 |
| 20 | 70719 | 93896 | 06104 | 76823 | 80 |
| 30 | 70798 | 94034 | 05966 | 76764 | 70 |
| 40 | 70876 | 94172 | 05828 | 76705 | 60 |
| 50 | 70955 | 94309 | 05691 | 76645 | 50 |
| 60 | 71033 | 94447 | 05553 | 76586 | 40 |
| 70 | 71111 | 94585 | 05415 | 76527 | 30 |
| 80 | 71190 | 94723 | 05277 | 76467 | 20 |
| 90 | 71268 | 94861 | 05139 | 76408 | 10 |
| **58 oo** | 71347 | 94998 | 05002 | 76348 | **42 oo** |
| 10 | 71425 | 95136 | 04864 | 76289 | 90 |
| 20 | 71504 | 95274 | 04726 | 76230 | 80 |
| 30 | 71582 | 95412 | 04588 | 76170 | 70 |
| 40 | 71660 | 95549 | 04451 | 76111 | 60 |
| 50 | 71739 | 95687 | 04313 | 76052 | 50 |
| 60 | 71817 | 95825 | 04175 | 75992 | 40 |
| 70 | 71896 | 95963 | 04037 | 75933 | 30 |
| 80 | 71974 | 96100 | 03900 | 75874 | 20 |
| 90 | 72052 | 96238 | 03762 | 75814 | 10 |
| **59 oo** | 72131 | 96376 | 03624 | 75755 | **41 oo** |
| 10 | 72209 | 96514 | 03486 | 75696 | 90 |
| 20 | 72288 | 96651 | 03349 | 75636 | 80 |
| 30 | 72366 | 96789 | 03211 | 75577 | 70 |
| 40 | 72444 | 96927 | 03073 | 75517 | 60 |
| 50 | 72523 | 97065 | 02935 | 75458 | 50 |
| 60 | 72601 | 97202 | 02798 | 75399 | 40 |
| 70 | 72679 | 97340 | 02660 | 75339 | 30 |
| 80 | 72758 | 97478 | 02522 | 75280 | 20 |
| 90 | 72836 | 97616 | 02384 | 75221 | 10 |
| **60 oo** | 72915 | 97753 | 02247 | 75161 | **40 oo** |
| | **9.81** | **9.93** | **0.06** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **54g** |
| | 78 | 137 | 137 | 60 | |

| | 138 | 137 | 79 | 78 | 60 | 59 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,9 | 7,8 | 6,0 | 5,9 | 1 |
| 2 | 27,6 | 27,4 | 15,8 | 15,6 | 12,0 | 11,8 | 2 |
| 3 | 41,4 | 41,1 | 23,7 | 23,4 | 18,0 | 17,7 | 3 |
| 4 | 55,2 | 54,8 | 31,6 | 31,2 | 24,0 | 23,6 | 4 |
| 5 | 69,0 | 68,5 | 39,5 | 39,0 | 30,0 | 29,5 | 5 |
| 6 | 82,8 | 82,2 | 47,4 | 46,8 | 36,0 | 35,4 | 6 |
| 7 | 96,6 | 95,9 | 55,3 | 54,6 | 42,0 | 41,3 | 7 |
| 8 | 110,4 | 109,6 | 63,2 | 62,4 | 48,0 | 47,2 | 8 |
| 9 | 124,2 | 123,3 | 71,1 | 70,2 | 54,0 | 53,1 | 9 |

| 45g | 79 | 138 | 138 | 59 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | ***9.93** | ***0.06** | **9.87** | |
| **60 oo** | 72915 | *97753 | *02247 | 75161 | **40 oo** |
| 10 | 72993 | *97891 | *02109 | 75102 | 90 |
| 20 | 73071 | *98029 | *01971 | 75042 | 80 |
| 30 | 73150 | *98167 | *01833 | 74983 | 70 |
| 40 | 73228 | *98304 | *01696 | 74924 | 60 |
| 50 | 73306 | *98442 | *01558 | 74864 | 50 |
| 60 | 73385 | *98580 | *01420 | 74805 | 40 |
| 70 | 73463 | *98718 | *01282 | 74745 | 30 |
| 80 | 73541 | *98855 | *01145 | 74686 | 20 |
| 90 | 73620 | *98993 | *01007 | 74627 | 10 |
| **61 oo** | 73698 | *99131 | *00869 | 74567 | **39 oo** |
| 10 | 73776 | *99269 | *00731 | 74508 | 90 |
| 20 | 73855 | *99406 | *00594 | 74448 | 80 |
| 30 | 73933 | *99544 | *00456 | 74389 | 70 |
| 40 | 74011 | *99682 | *00318 | 74330 | 60 |
| 50 | 74090 | *99820 | *00180 | 74270 | 50 |
| 60 | 74168 | *99957 | *00043 | 74211 | 40 |
| 70 | 74246 | 00095 | 99905 | 74151 | 30 |
| 80 | 74325 | 00233 | 99767 | 74092 | 20 |
| 90 | 74403 | 00371 | 99629 | 74032 | 10 |
| **62 oo** | 74481 | 00508 | 99492 | 73973 | **38 oo** |
| 10 | 74560 | 00646 | 99354 | 73914 | 90 |
| 20 | 74638 | 00784 | 99216 | 73854 | 80 |
| 30 | 74716 | 00922 | 99078 | 73795 | 70 |
| 40 | 74795 | 01059 | 98941 | 73735 | 60 |
| 50 | 74873 | 01197 | 98803 | 73676 | 50 |
| 60 | 74951 | 01335 | 98665 | 73616 | 40 |
| 70 | 75030 | 01473 | 98527 | 73557 | 30 |
| 80 | 75108 | 01610 | 98390 | 73498 | 20 |
| 90 | 75186 | 01748 | 98252 | 73438 | 10 |
| **63 oo** | 75264 | 01886 | 98114 | 73379 | **37 oo** |
| 10 | 75343 | 02023 | 97977 | 73319 | 90 |
| 20 | 75421 | 02161 | 97839 | 73260 | 80 |
| 30 | 75499 | 02299 | 97701 | 73200 | 70 |
| 40 | 75578 | 02437 | 97563 | 73141 | 60 |
| 50 | 75656 | 02574 | 97426 | 73081 | 50 |
| 60 | 75734 | 02712 | 97288 | 73022 | 40 |
| 70 | 75812 | 02850 | 97150 | 72963 | 30 |
| 80 | 75891 | 02988 | 97012 | 72903 | 20 |
| 90 | 75969 | 03125 | 96875 | 72844 | 10 |
| **64 oo** | 76047 | 03263 | 96737 | 72784 | **36 oo** |
| 10 | 76125 | 03401 | 96599 | 72725 | 90 |
| 20 | 76204 | 03538 | 96462 | 72665 | 80 |
| 30 | 76282 | 03676 | 96324 | 72606 | 70 |
| 40 | 76360 | 03814 | 96186 | 72546 | 60 |
| 50 | 76439 | 03952 | 96048 | 72487 | 50 |
| 60 | 76517 | 04089 | 95911 | 72427 | 40 |
| 70 | 76595 | 04227 | 95773 | 72368 | 30 |
| 80 | 76673 | 04365 | 95635 | 72308 | 20 |
| 90 | 76752 | 04503 | 95497 | 72249 | 10 |
| **65 oo** | 76830 | 04640 | 95360 | 72190 | **35 oo** |
| | **9.81** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **54g** |
| | 78 | 137 | 137 | 60 | |

| 45g | 79 | 138 | 138 | 59 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.94** | **0.05** | **9.87** | |
| **65 oo** | 76830 | 04640 | 95360 | 72190 | **35 oo** |
| 10 | 76908 | 04778 | 95222 | 72130 | 90 |
| 20 | 76986 | 04916 | 95084 | 72071 | 80 |
| 30 | 77064 | 05053 | 94947 | 72011 | 70 |
| 40 | 77143 | 05191 | 94809 | 71952 | 60 |
| 50 | 77221 | 05329 | 94671 | 71892 | 50 |
| 60 | 77299 | 05467 | 94533 | 71833 | 40 |
| 70 | 77377 | 05604 | 94396 | 71773 | 30 |
| 80 | 77456 | 05742 | 94258 | 71714 | 20 |
| 90 | 77534 | 05880 | 94120 | 71654 | 10 |
| **66 oo** | 77612 | 06017 | 93983 | 71595 | **34 oo** |
| 10 | 77690 | 06155 | 93845 | 71535 | 90 |
| 20 | 77768 | 06293 | 93707 | 71476 | 80 |
| 30 | 77847 | 06431 | 93569 | 71416 | 70 |
| 40 | 77925 | 06568 | 93432 | 71357 | 60 |
| 50 | 78003 | 06706 | 93294 | 71297 | 50 |
| 60 | 78081 | 06844 | 93156 | 71238 | 40 |
| 70 | 78160 | 06981 | 93019 | 71178 | 30 |
| 80 | 78238 | 07119 | 92881 | 71119 | 20 |
| 90 | 78316 | 07257 | 92743 | 71059 | 10 |
| **67 oo** | 78394 | 07395 | 92605 | 71000 | **33 oo** |
| 10 | 78472 | 07532 | 92468 | 70940 | 90 |
| 20 | 78550 | 07670 | 92330 | 70881 | 80 |
| 30 | 78629 | 07808 | 92192 | 70821 | 70 |
| 40 | 78707 | 07945 | 92055 | 70761 | 60 |
| 50 | 78785 | 08083 | 91917 | 70702 | 50 |
| 60 | 78863 | 08221 | 91779 | 70642 | 40 |
| 70 | 78941 | 08359 | 91641 | 70583 | 30 |
| 80 | 79020 | 08496 | 91504 | 70523 | 20 |
| 90 | 79098 | 08634 | 91366 | 70464 | 10 |
| **68 oo** | 79176 | 08772 | 91228 | 70404 | **32 oo** |
| 10 | 79254 | 08909 | 91091 | 70345 | 90 |
| 20 | 79332 | 09047 | 90953 | 70285 | 80 |
| 30 | 79410 | 09185 | 90815 | 70226 | 70 |
| 40 | 79489 | 09322 | 90678 | 70166 | 60 |
| 50 | 79567 | 09460 | 90540 | 70107 | 50 |
| 60 | 79645 | 09598 | 90402 | 70047 | 40 |
| 70 | 79723 | 09736 | 90264 | 69987 | 30 |
| 80 | 79801 | 09873 | 90127 | 69928 | 20 |
| 90 | 79879 | 10011 | 89989 | 69868 | 10 |
| **69 oo** | 79957 | 10149 | 89851 | 69809 | **31 oo** |
| 10 | 80036 | 10286 | 89714 | 69749 | 90 |
| 20 | 80114 | 10424 | 89576 | 69690 | 80 |
| 30 | 80192 | 10562 | 89438 | 69630 | 70 |
| 40 | 80270 | 10699 | 89301 | 69571 | 60 |
| 50 | 80348 | 10837 | 89163 | 69511 | 50 |
| 60 | 80426 | 10975 | 89025 | 69451 | 40 |
| 70 | 80504 | 11113 | 88887 | 69392 | 30 |
| 80 | 80583 | 11250 | 88750 | 69332 | 20 |
| 90 | 80661 | 11388 | 88612 | 69273 | 10 |
| **70 oo** | 80739 | 11526 | 88474 | 69213 | **30 oo** |
| | **9.81** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **54g** |
| | 78 | 137 | 137 | 60 | |

| | 138 | 137 | 79 | 78 | 60 | 59 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,9 | 7,8 | 6,0 | 5,9 | 1 |
| 2 | 27,6 | 27,4 | 15,8 | 15,6 | 12,0 | 11,8 | 2 |
| 3 | 41,4 | 41,1 | 23,7 | 23,4 | 18,0 | 17,7 | 3 |
| 4 | 55,2 | 54,8 | 31,6 | 31,2 | 24,0 | 23,6 | 4 |
| 5 | 69,0 | 68,5 | 39,5 | 39,0 | 30,0 | 29,5 | 5 |
| 6 | 82,8 | 82,2 | 47,4 | 46,8 | 36,0 | 35,4 | 6 |
| 7 | 96,6 | 95,9 | 55,3 | 54,6 | 42,0 | 41,3 | 7 |
| 8 | 110,4 | 109,6 | 63,2 | 62,4 | 48,0 | 47,2 | 8 |
| 9 | 124,2 | 123,3 | 71,1 | 70,2 | 54,0 | 53,1 | 9 |

| $45^g$ | 79 | 138 | 138 | 59 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.94** | **0.05** | **9.87** | |
| **70 oo** | 80739 | 11526 | 88474 | 69213 | **30 oo** |
| 10 | 80817 | 11663 | 88337 | 69154 | 90 |
| 20 | 80895 | 11801 | 88199 | 69094 | 80 |
| 30 | 80973 | 11939 | 88061 | 69034 | 70 |
| 40 | 81051 | 12076 | 87924 | 68975 | 60 |
| 50 | 81129 | 12214 | 87786 | 68915 | 50 |
| 60 | 81207 | 12352 | 87648 | 68856 | 40 |
| 70 | 81286 | 12489 | 87511 | 68796 | 30 |
| 80 | 81364 | 12627 | 87373 | 68737 | 20 |
| 90 | 81442 | 12765 | 87235 | 68677 | 10 |
| **71 oo** | 81520 | 12902 | 87098 | 68617 | **29 oo** |
| 10 | 81598 | 13040 | 86960 | 68558 | 90 |
| 20 | 81676 | 13178 | 86822 | 68498 | 80 |
| 30 | 81754 | 13316 | 86684 | 68439 | 70 |
| 40 | 81832 | 13453 | 86547 | 68379 | 60 |
| 50 | 81910 | 13591 | 86409 | 68319 | 50 |
| 60 | 81988 | 13729 | 86271 | 68260 | 40 |
| 70 | 82066 | 13866 | 86134 | 68200 | 30 |
| 80 | 82144 | 14004 | 85996 | 68141 | 20 |
| 90 | 82223 | 14142 | 85858 | 68081 | 10 |
| **72 oo** | 82301 | 14279 | 85721 | 68021 | **28 oo** |
| 10 | 82379 | 14417 | 85583 | 67962 | 90 |
| 20 | 82457 | 14555 | 85445 | 67902 | 80 |
| 30 | 82535 | 14692 | 85308 | 67842 | 70 |
| 40 | 82613 | 14830 | 85170 | 67783 | 60 |
| 50 | 82691 | 14968 | 85032 | 67723 | 50 |
| 60 | 82769 | 15105 | 84895 | 67664 | 40 |
| 70 | 82847 | 15243 | 84757 | 67604 | 30 |
| 80 | 82925 | 15381 | 84619 | 67544 | 20 |
| 90 | 83003 | 15518 | 84482 | 67485 | 10 |
| **73 oo** | 83081 | 15656 | 84344 | 67425 | **27 oo** |
| 10 | 83159 | 15794 | 84206 | 67365 | 90 |
| 20 | 83237 | 15931 | 84069 | 67306 | 80 |
| 30 | 83315 | 16069 | 83931 | 67246 | 70 |
| 40 | 83393 | 16207 | 83793 | 67187 | 60 |
| 50 | 83471 | 16344 | 83656 | 67127 | 50 |
| 60 | 83549 | 16482 | 83518 | 67067 | 40 |
| 70 | 83627 | 16620 | 83380 | 67008 | 30 |
| 80 | 83705 | 16757 | 83243 | 66948 | 20 |
| 90 | 83783 | 16895 | 83105 | 66888 | 10 |
| **74 oo** | 83862 | 17033 | 82967 | 66829 | **26 oo** |
| 10 | 83940 | 17170 | 82830 | 66769 | 90 |
| 20 | 84018 | 17308 | 82692 | 66709 | 80 |
| 30 | 84096 | 17446 | 82554 | 66650 | 70 |
| 40 | 84174 | 17583 | 82417 | 66590 | 60 |
| 50 | 84252 | 17721 | 82279 | 66530 | 50 |
| 60 | 84330 | 17859 | 82141 | 66471 | 40 |
| 70 | 84408 | 17996 | 82004 | 66411 | 30 |
| 80 | 84486 | 18134 | 81866 | 66351 | 20 |
| 90 | 84564 | 18272 | 81728 | 66292 | 10 |
| **75 oo** | 84642 | 18409 | 81591 | 66232 | **25 oo** |
| | **9.81** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | $54^g$ |
| | 78 | 137 | 137 | 60 | |

| $45^g$ | 78 | 138 | 138 | 59 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.94** | **0.05** | **9.87** | |
| **75 oo** | 84642 | 18409 | 81591 | 66232 | **25 oo** |
| 10 | 84720 | 18547 | 81453 | 66172 | 90 |
| 20 | 84798 | 18685 | 81315 | 66113 | 80 |
| 30 | 84876 | 18822 | 81178 | 66053 | 70 |
| 40 | 84954 | 18960 | 81040 | 65993 | 60 |
| 50 | 85032 | 19098 | 80902 | 65934 | 50 |
| 60 | 85110 | 19235 | 80765 | 65874 | 40 |
| 70 | 85187 | 19373 | 80627 | 65814 | 30 |
| 80 | 85265 | 19511 | 80489 | 65755 | 20 |
| 90 | 85343 | 19648 | 80352 | 65695 | 10 |
| **76 oo** | 85421 | 19786 | 80214 | 65635 | **24 oo** |
| 10 | 85499 | 19924 | 80076 | 65576 | 90 |
| 20 | 85577 | 20061 | 79939 | 65516 | 80 |
| 30 | 85655 | 20199 | 79801 | 65456 | 70 |
| 40 | 85733 | 20337 | 79663 | 65397 | 60 |
| 50 | 85811 | 20474 | 79526 | 65337 | 50 |
| 60 | 85889 | 20612 | 79388 | 65277 | 40 |
| 70 | 85967 | 20750 | 79250 | 65217 | 30 |
| 80 | 86045 | 20887 | 79113 | 65158 | 20 |
| 90 | 86123 | 21025 | 78975 | 65098 | 10 |
| **77 oo** | 86201 | 21163 | 78837 | 65038 | **23 oo** |
| 10 | 86279 | 21300 | 78700 | 64979 | 90 |
| 20 | 86357 | 21438 | 78562 | 64919 | 80 |
| 30 | 86435 | 21576 | 78424 | 64859 | 70 |
| 40 | 86513 | 21713 | 78287 | 64800 | 60 |
| 50 | 86591 | 21851 | 78149 | 64740 | 50 |
| 60 | 86669 | 21989 | 78011 | 64680 | 40 |
| 70 | 86747 | 22126 | 77874 | 64620 | 30 |
| 80 | 86824 | 22264 | 77736 | 64561 | 20 |
| 90 | 86902 | 22401 | 77599 | 64501 | 10 |
| **78 oo** | 86980 | 22539 | 77461 | 64441 | **22 oo** |
| 10 | 87058 | 22677 | 77323 | 64381 | 90 |
| 20 | 87136 | 22814 | 77186 | 64322 | 80 |
| 30 | 87214 | 22952 | 77048 | 64262 | 70 |
| 40 | 87292 | 23090 | 76910 | 64202 | 60 |
| 50 | 87370 | 23227 | 76773 | 64143 | 50 |
| 60 | 87448 | 23365 | 76635 | 64083 | 40 |
| 70 | 87526 | 23503 | 76497 | 64023 | 30 |
| 80 | 87604 | 23640 | 76360 | 63963 | 20 |
| 90 | 87681 | 23778 | 76222 | 63904 | 10 |
| **79 oo** | 87759 | 23916 | 76084 | 63844 | **21 oo** |
| 10 | 87837 | 24053 | 75947 | 63784 | 90 |
| 20 | 87915 | 24191 | 75809 | 63724 | 80 |
| 30 | 87993 | 24328 | 75672 | 63665 | 70 |
| 40 | 88071 | 24466 | 75534 | 63605 | 60 |
| 50 | 88149 | 24604 | 75396 | 63545 | 50 |
| 60 | 88227 | 24741 | 75259 | 63485 | 40 |
| 70 | 88305 | 24879 | 75121 | 63426 | 30 |
| 80 | 88382 | 25017 | 74983 | 63366 | 20 |
| 90 | 88460 | 25154 | 74846 | 63306 | 10 |
| **80 oo** | 88538 | 25292 | 74708 | 63246 | **20 oo** |
| | **9.81** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | $54^g$ |
| | 77 | 137 | 137 | 60 | |

| | 138 | 137 | 79 | 78 | 77 | 60 | 59 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,9 | 7,8 | 7,7 | 6,0 | 5,9 | 1 |
| 2 | 27,6 | 27,4 | 15,8 | 15,6 | 15,4 | 12,0 | 11,8 | 2 |
| 3 | 41,4 | 41,1 | 23,7 | 23,4 | 23,1 | 18,0 | 17,7 | 3 |
| 4 | 55,2 | 54,8 | 31,6 | 31,2 | 30,8 | 24,0 | 23,6 | 4 |
| 5 | 69,0 | 68,5 | 39,5 | 39,0 | 38,5 | 30,0 | 29,5 | 5 |
| 6 | 82,8 | 82,2 | 47,4 | 46,8 | 46,2 | 36,0 | 35,4 | 6 |
| 7 | 96,6 | 95,9 | 55,3 | 54,6 | 53,9 | 42,0 | 41,3 | 7 |
| 8 | 110,4 | 109,6 | 63,2 | 62,4 | 61,6 | 48,0 | 47,2 | 8 |
| 9 | 124,2 | 123,3 | 71,1 | 70,2 | 69,3 | 54,0 | 53,1 | 9 |

| 45g | 78 | 138 | 138 | 59 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.94** | **0.05** | **9.87** | |
| **80 oo** | 88538 | 25292 | 74708 | 63246 | **20 oo** |
| 10 | 88616 | 25430 | 74570 | 63187 | 90 |
| 20 | 88694 | 25567 | 74433 | 63127 | 80 |
| 30 | 88772 | 25705 | 74295 | 63067 | 70 |
| 40 | 88850 | 25842 | 74158 | 63007 | 60 |
| 50 | 88928 | 25980 | 74020 | 62947 | 50 |
| 60 | 89005 | 26118 | 73882 | 62888 | 40 |
| 70 | 89083 | 26255 | 73745 | 62828 | 30 |
| 80 | 89161 | 26393 | 73607 | 62768 | 20 |
| 90 | 89239 | 26531 | 73469 | 62708 | 10 |
| **81 oo** | 89317 | 26668 | 73332 | 62649 | **19 oo** |
| 10 | 89395 | 26806 | 73194 | 62589 | 90 |
| 20 | 89472 | 26943 | 73057 | 62529 | 80 |
| 30 | 89550 | 27081 | 72919 | 62469 | 70 |
| 40 | 89628 | 27219 | 72781 | 62409 | 60 |
| 50 | 89706 | 27356 | 72644 | 62350 | 50 |
| 60 | 89784 | 27494 | 72506 | 62290 | 40 |
| 70 | 89862 | 27632 | 72368 | 62230 | 30 |
| 80 | 89939 | 27769 | 72231 | 62170 | 20 |
| 90 | 90017 | 27907 | 72093 | 62110 | 10 |
| **82 oo** | 90095 | 28044 | 71956 | 62051 | **18 oo** |
| 10 | 90173 | 28182 | 71818 | 61991 | 90 |
| 20 | 90251 | 28320 | 71680 | 61931 | 80 |
| 30 | 90329 | 28457 | 71543 | 61871 | 70 |
| 40 | 90406 | 28595 | 71405 | 61811 | 60 |
| 50 | 90484 | 28733 | 71267 | 61752 | 50 |
| 60 | 90562 | 28870 | 71130 | 61692 | 40 |
| 70 | 90640 | 29008 | 70992 | 61632 | 30 |
| 80 | 90718 | 29145 | 70855 | 61572 | 20 |
| 90 | 90795 | 29283 | 70717 | 61512 | 10 |
| **83 oo** | 90873 | 29421 | 70579 | 61453 | **17 oo** |
| 10 | 90951 | 29558 | 70442 | 61393 | 90 |
| 20 | 91029 | 29696 | 70304 | 61333 | 80 |
| 30 | 91107 | 29834 | 70166 | 61273 | 70 |
| 40 | 91184 | 29971 | 70029 | 61213 | 60 |
| 50 | 91262 | 30109 | 69891 | 61153 | 50 |
| 60 | 91340 | 30246 | 69754 | 61094 | 40 |
| 70 | 91418 | 30384 | 69616 | 61034 | 30 |
| 80 | 91496 | 30522 | 69478 | 60974 | 20 |
| 90 | 91573 | 30659 | 69341 | 60914 | 10 |
| **84 oo** | 91651 | 30797 | 69203 | 60854 | **16 oo** |
| 10 | 91729 | 30934 | 69066 | 60794 | 90 |
| 20 | 91807 | 31072 | 68928 | 60735 | 80 |
| 30 | 91884 | 31210 | 68790 | 60675 | 70 |
| 40 | 91962 | 31347 | 68653 | 60615 | 60 |
| 50 | 92040 | 31485 | 68515 | 60555 | 50 |
| 60 | 92118 | 31622 | 68378 | 60495 | 40 |
| 70 | 92195 | 31760 | 68240 | 60435 | 30 |
| 80 | 92273 | 31898 | 68102 | 60376 | 20 |
| 90 | 92351 | 32035 | 67965 | 60316 | 10 |
| **85 oo** | 92429 | 32173 | 67827 | 60256 | **15 oo** |
| | **9.81** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | $54^g$ |
| | 77 | 137 | 137 | 60 | |

| 45g | 78 | 138 | 138 | 59 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.94** | **0.05** | **9.87** | |
| **85 oo** | 92429 | 32173 | 67827 | 60256 | **15 oo** |
| 10 | 92506 | 32310 | 67690 | 60196 | 90 |
| 20 | 92584 | 32448 | 67552 | 60136 | 80 |
| 30 | 92662 | 32586 | 67414 | 60076 | 70 |
| 40 | 92740 | 32723 | 67277 | 60016 | 60 |
| 50 | 92817 | 32861 | 67139 | 59956 | 50 |
| 60 | 92895 | 32999 | 67001 | 59897 | 40 |
| 70 | 92973 | 33136 | 66864 | 59837 | 30 |
| 80 | 93051 | 33274 | 66726 | 59777 | 20 |
| 90 | 93128 | 33411 | 66589 | 59717 | 10 |
| **86 oo** | 93206 | 33549 | 66451 | 59657 | **14 oo** |
| 10 | 93284 | 33687 | 66313 | 59597 | 90 |
| 20 | 93361 | 33824 | 66176 | 59537 | 80 |
| 30 | 93439 | 33962 | 66038 | 59477 | 70 |
| 40 | 93517 | 34099 | 65901 | 59418 | 60 |
| 50 | 93595 | 34237 | 65763 | 59358 | 50 |
| 60 | 93672 | 34374 | 65626 | 59298 | 40 |
| 70 | 93750 | 34512 | 65488 | 59238 | 30 |
| 80 | 93828 | 34650 | 65350 | 59178 | 20 |
| 90 | 93905 | 34787 | 65213 | 59118 | 10 |
| **87 oo** | 93983 | 34925 | 65075 | 59058 | **13 oo** |
| 10 | 94061 | 35062 | 64938 | 58998 | 90 |
| 20 | 94139 | 35200 | 64800 | 58938 | 80 |
| 30 | 94216 | 35338 | 64662 | 58879 | 70 |
| 40 | 94294 | 35475 | 64525 | 58819 | 60 |
| 50 | 94372 | 35613 | 64387 | 58759 | 50 |
| 60 | 94449 | 35750 | 64250 | 58699 | 40 |
| 70 | 94527 | 35888 | 64112 | 58639 | 30 |
| 80 | 94605 | 36026 | 63974 | 58579 | 20 |
| 90 | 94682 | 36163 | 63837 | 58519 | 10 |
| **88 oo** | 94760 | 36301 | 63699 | 58459 | **12 oo** |
| 10 | 94838 | 36438 | 63562 | 58399 | 90 |
| 20 | 94915 | 36576 | 63424 | 58339 | 80 |
| 30 | 94993 | 36714 | 63286 | 58279 | 70 |
| 40 | 95071 | 36851 | 63149 | 58220 | 60 |
| 50 | 95148 | 36989 | 63011 | 58160 | 50 |
| 60 | 95226 | 37126 | 62874 | 58100 | 40 |
| 70 | 95304 | 37264 | 62736 | 58040 | 30 |
| 80 | 95381 | 37401 | 62599 | 57980 | 20 |
| 90 | 95459 | 37539 | 62461 | 57920 | 10 |
| **89 oo** | 95537 | 37677 | 62323 | 57860 | **11 oo** |
| 10 | 95614 | 37814 | 62186 | 57800 | 90 |
| 20 | 95692 | 37952 | 62048 | 57740 | 80 |
| 30 | 95770 | 38089 | 61911 | 57680 | 70 |
| 40 | 95847 | 38227 | 61773 | 57620 | 60 |
| 50 | 95925 | 38365 | 61635 | 57560 | 50 |
| 60 | 96002 | 38502 | 61498 | 57500 | 40 |
| 70 | 96080 | 38640 | 61360 | 57440 | 30 |
| 80 | 96158 | 38777 | 61223 | 57380 | 20 |
| 90 | 96235 | 38915 | 61085 | 57320 | 10 |
| **90 oo** | 96313 | 39052 | 60948 | 57261 | **10 oo** |
| | **9.81** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | $54^g$ |
| | 77 | 137 | 137 | 60 | |

| | 138 | 137 | 78 | 77 | 60 | 59 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,8 | 7,7 | 6,0 | 5,9 | 1 |
| 2 | 27,6 | 27,4 | 15,6 | 15,4 | 12,0 | 11,8 | 2 |
| 3 | 41,4 | 41,1 | 23,4 | 23,1 | 18,0 | 17,7 | 3 |
| 4 | 55,2 | 54,8 | 31,2 | 30,8 | 24,0 | 23,6 | 4 |
| 5 | 69,0 | 68,5 | 39,0 | 38,5 | 30,0 | 29,5 | 5 |
| 6 | 82,8 | 82,2 | 46,8 | 46,2 | 36,0 | 35,4 | 6 |
| 7 | 96,6 | 95,9 | 54,6 | 53,9 | 42,0 | 41,3 | 7 |
| 8 | 110,4 | 109,6 | 62,4 | 61,6 | 48,0 | 47,2 | 8 |
| 9 | 124,2 | 123,3 | 70,2 | 69,3 | 54,0 | 53,1 | 9 |

| 45g | 78 | 138 | 138 | 60 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.81** | **9.94** | **0.05** | **9.87** | |
| **90 00** | 96313 | 39052 | 60948 | 57261 | **10 00** |
| 10 | 96391 | 39190 | 60810 | 57201 | 90 |
| 20 | 96468 | 39328 | 60672 | 57141 | 80 |
| 30 | 96546 | 39465 | 60535 | 57081 | 70 |
| 40 | 96623 | 39603 | 60397 | 57021 | 60 |
| 50 | 96701 | 39740 | 60260 | 56961 | 50 |
| 60 | 96779 | 39878 | 60122 | 56901 | 40 |
| 70 | 96856 | 40015 | 59985 | 56841 | 30 |
| 80 | 96934 | 40153 | 59847 | 56781 | 20 |
| 90 | 97011 | 40291 | 59709 | 56721 | 10 |
| **91 00** | 97089 | 40428 | 59572 | 56661 | **09 00** |
| 10 | 97167 | 40566 | 59434 | 56601 | 90 |
| 20 | 97244 | 40703 | 59297 | 56541 | 80 |
| 30 | 97322 | 40841 | 59159 | 56481 | 70 |
| 40 | 97399 | 40978 | 59022 | 56421 | 60 |
| 50 | 97477 | 41116 | 58884 | 56361 | 50 |
| 60 | 97555 | 41254 | 58746 | 56301 | 40 |
| 70 | 97632 | 41391 | 58609 | 56241 | 30 |
| 80 | 97710 | 41529 | 58471 | 56181 | 20 |
| 90 | 97787 | 41666 | 58334 | 56121 | 10 |
| **92 00** | 97865 | 41804 | 58196 | 56061 | **08 00** |
| 10 | 97943 | 41941 | 58059 | 56001 | 90 |
| 20 | 98020 | 42079 | 57921 | 55941 | 80 |
| 30 | 98098 | 42217 | 57783 | 55881 | 70 |
| 40 | 98175 | 42354 | 57646 | 55821 | 60 |
| 50 | 98253 | 42492 | 57508 | 55761 | 50 |
| 60 | 98330 | 42629 | 57371 | 55701 | 40 |
| 70 | 98408 | 42767 | 57233 | 55641 | 30 |
| 80 | 98486 | 42904 | 57096 | 55581 | 20 |
| 90 | 98563 | 43042 | 56958 | 55521 | 10 |
| **93 00** | 98641 | 43180 | 56820 | 55461 | **07 00** |
| 10 | 98718 | 43317 | 56683 | 55401 | 90 |
| 20 | 98796 | 43455 | 56545 | 55341 | 80 |
| 30 | 98873 | 43592 | 56408 | 55281 | 70 |
| 40 | 98951 | 43730 | 56270 | 55221 | 60 |
| 50 | 99028 | 43867 | 56133 | 55161 | 50 |
| 60 | 99106 | 44005 | 55995 | 55101 | 40 |
| 70 | 99183 | 44142 | 55858 | 55041 | 30 |
| 80 | 99261 | 44280 | 55720 | 54981 | 20 |
| 90 | 99338 | 44418 | 55582 | 54921 | 10 |
| **94 00** | 99416 | 44555 | 55445 | 54861 | **06 00** |
| 10 | 99494 | 44693 | 55307 | 54801 | 90 |
| 20 | 99571 | 44830 | 55170 | 54741 | 80 |
| 30 | 99649 | 44968 | 55032 | 54681 | 70 |
| 40 | 99726 | 45105 | 54895 | 54621 | 60 |
| 50 | 99804 | 45243 | 54757 | 54561 | 50 |
| 60 | 99881 | 45380 | 54620 | 54501 | 40 |
| 70 | 99959 | 45518 | 54482 | 54441 | 30 |
| 80 | *00036 | 45656 | 54344 | 54381 | 20 |
| 90 | *00114 | 45793 | 54207 | 54321 | 10 |
| **95 00** | *00191 | 45931 | 54069 | 54261 | **05 00** |
| | ***9.82** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 77 | 137 | 137 | 60 | **54g** |

| 45g | 78 | 138 | 138 | 60 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.94** | **0.05** | **9.87** | |
| **95 00** | 00191 | 45931 | 54069 | 54261 | **05 00** |
| 10 | 00269 | 46068 | 53932 | 54200 | 90 |
| 20 | 00346 | 46206 | 53794 | 54140 | 80 |
| 30 | 00424 | 46343 | 53657 | 54080 | 70 |
| 40 | 00501 | 46481 | 53519 | 54020 | 60 |
| 50 | 00579 | 46618 | 53382 | 53960 | 50 |
| 60 | 00656 | 46756 | 53244 | 53900 | 40 |
| 70 | 00734 | 46893 | 53107 | 53840 | 30 |
| 80 | 00811 | 47031 | 52969 | 53780 | 20 |
| 90 | 00889 | 47169 | 52831 | 53720 | 10 |
| **96 00** | 00966 | 47306 | 52694 | 53660 | **04 00** |
| 10 | 01044 | 47444 | 52556 | 53600 | 90 |
| 20 | 01121 | 47581 | 52419 | 53540 | 80 |
| 30 | 01198 | 47719 | 52281 | 53480 | 70 |
| 40 | 01276 | 47856 | 52144 | 53420 | 60 |
| 50 | 01353 | 47994 | 52006 | 53360 | 50 |
| 60 | 01431 | 48131 | 51869 | 53300 | 40 |
| 70 | 01508 | 48269 | 51731 | 53239 | 30 |
| 80 | 01586 | 48406 | 51594 | 53179 | 20 |
| 90 | 01663 | 48544 | 51456 | 53119 | 10 |
| **97 00** | 01741 | 48681 | 51319 | 53059 | **03 00** |
| 10 | 01818 | 48819 | 51181 | 52999 | 90 |
| 20 | 01896 | 48957 | 51043 | 52939 | 80 |
| 30 | 01973 | 49094 | 50906 | 52879 | 70 |
| 40 | 02050 | 49232 | 50768 | 52819 | 60 |
| 50 | 02128 | 49369 | 50631 | 52759 | 50 |
| 60 | 02205 | 49507 | 50493 | 52699 | 40 |
| 70 | 02283 | 49644 | 50356 | 52639 | 30 |
| 80 | 02360 | 49782 | 50218 | 52578 | 20 |
| 90 | 02438 | 49919 | 50081 | 52518 | 10 |
| **98 00** | 02515 | 50057 | 49943 | 52458 | **02 00** |
| 10 | 02593 | 50194 | 49806 | 52398 | 90 |
| 20 | 02670 | 50332 | 49668 | 52338 | 80 |
| 30 | 02747 | 50469 | 49531 | 52278 | 70 |
| 40 | 02825 | 50607 | 49393 | 52218 | 60 |
| 50 | 02902 | 50745 | 49255 | 52158 | 50 |
| 60 | 02980 | 50882 | 49118 | 52098 | 40 |
| 70 | 03057 | 51020 | 48980 | 52037 | 30 |
| 80 | 03134 | 51157 | 48843 | 51977 | 20 |
| 90 | 03212 | 51295 | 48705 | 51917 | 10 |
| **99 00** | 03289 | 51432 | 48568 | 51857 | **01 00** |
| 10 | 03367 | 51570 | 48430 | 51797 | 90 |
| 20 | 03444 | 51707 | 48293 | 51737 | 80 |
| 30 | 03521 | 51845 | 48155 | 51677 | 70 |
| 40 | 03599 | 51982 | 48018 | 51617 | 60 |
| 50 | 03676 | 52120 | 47880 | 51556 | 50 |
| 60 | 03754 | 52257 | 47743 | 51496 | 40 |
| 70 | 03831 | 52395 | 47605 | 51436 | 30 |
| 80 | 03908 | 52532 | 47468 | 51376 | 20 |
| 90 | 03986 | 52670 | 47330 | 51316 | 10 |
| **100 00** | 04063 | 52807 | 47193 | 51256 | **00 00** |
| | **9.82** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 77 | 137 | 137 | 61 | **54g** |

| | 138 | 137 | 78 | 77 | 61 | 60 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,8 | 7,7 | 6,1 | 6,0 | 1 |
| 2 | 27,6 | 27,4 | 15,6 | 15,4 | 12,2 | 12,0 | 2 |
| 3 | 41,4 | 41,1 | 23,4 | 23,1 | 18,3 | 18,0 | 3 |
| 4 | 55,2 | 54,8 | 31,2 | 30,8 | 24,4 | 24,0 | 4 |
| 5 | 69,0 | 68,5 | 39,0 | 38,5 | 30,5 | 30,0 | 5 |
| 6 | 82,8 | 82,2 | 46,8 | 46,2 | 36,6 | 36,0 | 6 |
| 7 | 96,6 | 95,9 | 54,6 | 53,9 | 42,7 | 42,0 | 7 |
| 8 | 110,4 | 109,6 | 62,4 | 61,6 | 48,8 | 48,0 | 8 |
| 9 | 124,2 | 123,3 | 70,2 | 69,3 | 54,9 | 54,0 | 9 |

| 46g | 78 | 138 | 138 | 60 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.94** | **0.05** | **9.87** | |
| **00 00** | 04063 | 52807 | 47193 | 51256 | **100 00** |
| 10 | 04141 | 52945 | 47055 | 51196 | 90 |
| 20 | 04218 | 53082 | 46918 | 51135 | 80 |
| 30 | 04295 | 53220 | 46780 | 51075 | 70 |
| 40 | 04373 | 53357 | 46643 | 51015 | 60 |
| 50 | 04450 | 53495 | 46505 | 50955 | 50 |
| 60 | 04527 | 53633 | 46367 | 50895 | 40 |
| 70 | 04605 | 53770 | 46230 | 50835 | 30 |
| 80 | 04682 | 53908 | 46092 | 50775 | 20 |
| 90 | 04759 | 54045 | 45955 | 50714 | 10 |
| **01 00** | 04837 | 54183 | 45817 | 50654 | **99 00** |
| 10 | 04914 | 54320 | 45680 | 50594 | 90 |
| 20 | 04992 | 54458 | 45542 | 50534 | 80 |
| 30 | 05069 | 54595 | 45405 | 50474 | 70 |
| 40 | 05146 | 54733 | 45267 | 50414 | 60 |
| 50 | 05224 | 54870 | 45130 | 50353 | 50 |
| 60 | 05301 | 55008 | 44992 | 50293 | 40 |
| 70 | 05378 | 55145 | 44855 | 50233 | 30 |
| 80 | 05456 | 55283 | 44717 | 50173 | 20 |
| 90 | 05533 | 55420 | 44580 | 50113 | 10 |
| **02 00** | 05610 | 55558 | 44442 | 50053 | **98 00** |
| 10 | 05688 | 55695 | 44305 | 49992 | 90 |
| 20 | 05765 | 55833 | 44167 | 49932 | 80 |
| 30 | 05842 | 55970 | 44030 | 49872 | 70 |
| 40 | 05920 | 56108 | 43892 | 49812 | 60 |
| 50 | 05997 | 56245 | 43755 | 49752 | 50 |
| 60 | 06074 | 56383 | 43617 | 49691 | 40 |
| 70 | 06151 | 56520 | 43480 | 49631 | 30 |
| 80 | 06229 | 56658 | 43342 | 49571 | 20 |
| 90 | 06306 | 56795 | 43205 | 49511 | 10 |
| **03 00** | 06383 | 56933 | 43067 | 49451 | **97 00** |
| 10 | 06461 | 57070 | 42930 | 49390 | 90 |
| 20 | 06538 | 57208 | 42792 | 49330 | 80 |
| 30 | 06615 | 57345 | 42655 | 49270 | 70 |
| 40 | 06693 | 57483 | 42517 | 49210 | 60 |
| 50 | 06770 | 57620 | 42380 | 49150 | 50 |
| 60 | 06847 | 57758 | 42242 | 49089 | 40 |
| 70 | 06924 | 57895 | 42105 | 49029 | 30 |
| 80 | 07002 | 58033 | 41967 | 48969 | 20 |
| 90 | 07079 | 58170 | 41830 | 48909 | 10 |
| **04 00** | 07156 | 58308 | 41692 | 48849 | **96 00** |
| 10 | 07234 | 58445 | 41555 | 48788 | 90 |
| 20 | 07311 | 58583 | 41417 | 48728 | 80 |
| 30 | 07388 | 58720 | 41280 | 48668 | 70 |
| 40 | 07465 | 58858 | 41142 | 48608 | 60 |
| 50 | 07543 | 58995 | 41005 | 48547 | 50 |
| 60 | 07620 | 59133 | 40867 | 48487 | 40 |
| 70 | 07697 | 59270 | 40730 | 48427 | 30 |
| 80 | 07775 | 59408 | 40592 | 48367 | 20 |
| 90 | 07852 | 59545 | 40455 | 48306 | 10 |
| **05 00** | 07929 | 59683 | 40317 | 48246 | **95 00** |
| | **9.82** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 77 | 137 | 137 | 61 | |

| 46g | 78 | 138 | 138 | 60 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.94** | **0.05** | **9.87** | |
| **05 00** | 07929 | 59683 | 40317 | 48246 | **95 00** |
| 10 | 08006 | 59820 | 40180 | 48186 | 90 |
| 20 | 08084 | 59958 | 40042 | 48126 | 80 |
| 30 | 08161 | 60095 | 39905 | 48065 | 70 |
| 40 | 08238 | 60233 | 39767 | 48005 | 60 |
| 50 | 08315 | 60370 | 39630 | 47945 | 50 |
| 60 | 08393 | 60508 | 39492 | 47885 | 40 |
| 70 | 08470 | 60645 | 39355 | 47825 | 30 |
| 80 | 08547 | 60783 | 39217 | 47764 | 20 |
| 90 | 08624 | 60920 | 39080 | 47704 | 10 |
| **06 00** | 08701 | 61058 | 38942 | 47644 | **94 00** |
| 10 | 08779 | 61195 | 38805 | 47583 | 90 |
| 20 | 08856 | 61333 | 38667 | 47523 | 80 |
| 30 | 08933 | 61470 | 38530 | 47463 | 70 |
| 40 | 09010 | 61608 | 38392 | 47403 | 60 |
| 50 | 09088 | 61745 | 38255 | 47342 | 50 |
| 60 | 09165 | 61883 | 38117 | 47282 | 40 |
| 70 | 09242 | 62020 | 37980 | 47222 | 30 |
| 80 | 09319 | 62158 | 37842 | 47162 | 20 |
| 90 | 09396 | 62295 | 37705 | 47101 | 10 |
| **07 00** | 09474 | 62433 | 37567 | 47041 | **93 00** |
| 10 | 09551 | 62570 | 37430 | 46981 | 90 |
| 20 | 09628 | 62708 | 37292 | 46921 | 80 |
| 30 | 09705 | 62845 | 37155 | 46860 | 70 |
| 40 | 09782 | 62983 | 37017 | 46800 | 60 |
| 50 | 09860 | 63120 | 36880 | 46740 | 50 |
| 60 | 09937 | 63258 | 36742 | 46679 | 40 |
| 70 | 10014 | 63395 | 36605 | 46619 | 30 |
| 80 | 10091 | 63532 | 36468 | 46559 | 20 |
| 90 | 10168 | 63670 | 36330 | 46499 | 10 |
| **08 00** | 10246 | 63807 | 36193 | 46438 | **92 00** |
| 10 | 10323 | 63945 | 36055 | 46378 | 90 |
| 20 | 10400 | 64082 | 35918 | 46318 | 80 |
| 30 | 10477 | 64220 | 35780 | 46257 | 70 |
| 40 | 10554 | 64357 | 35643 | 46197 | 60 |
| 50 | 10632 | 64495 | 35505 | 46137 | 50 |
| 60 | 10709 | 64632 | 35368 | 46076 | 40 |
| 70 | 10786 | 64770 | 35230 | 46016 | 30 |
| 80 | 10863 | 64907 | 35093 | 45956 | 20 |
| 90 | 10940 | 65045 | 34955 | 45895 | 10 |
| **09 00** | 11017 | 65182 | 34818 | 45835 | **91 00** |
| 10 | 11095 | 65320 | 34680 | 45775 | 90 |
| 20 | 11172 | 65457 | 34543 | 45715 | 80 |
| 30 | 11249 | 65595 | 34405 | 45654 | 70 |
| 40 | 11326 | 65732 | 34268 | 45594 | 60 |
| 50 | 11403 | 65870 | 34130 | 45534 | 50 |
| 60 | 11480 | 66007 | 33993 | 45473 | 40 |
| 70 | 11557 | 66144 | 33856 | 45413 | 30 |
| 80 | 11635 | 66282 | 33718 | 45353 | 20 |
| 90 | 11712 | 66419 | 33581 | 45292 | 10 |
| **10 00** | 11789 | 66557 | 33443 | 45232 | **90 00** |
| | **9.82** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 77 | 137 | 137 | 61 | |

| | 138 | 137 | 78 | 77 | 61 | 60 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,8 | 7,7 | 6,1 | 6,0 | 1 |
| 2 | 27,6 | 27,4 | 15,6 | 15,4 | 12,2 | 12,0 | 2 |
| 3 | 41,4 | 41,1 | 23,4 | 23,1 | 18,3 | 18,0 | 3 |
| 4 | 55,2 | 54,8 | 31,2 | 30,8 | 24,4 | 24,0 | 4 |
| 5 | 69,0 | 68,5 | 39,0 | 38,5 | 30,5 | 30,0 | 5 |
| 6 | 82,8 | 82,2 | 46,8 | 46,2 | 36,6 | 36,0 | 6 |
| 7 | 96,6 | 95,9 | 54,6 | 53,9 | 42,7 | 42,0 | 7 |
| 8 | 110,4 | 109,6 | 62,4 | 61,6 | 48,8 | 48,0 | 8 |
| 9 | 124,2 | 123,3 | 70,2 | 69,3 | 54,9 | 54,0 | 9 |

| 46g | 78 | 138 | 138 | 60 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.94** | **0.05** | **9.87** | |
| **10 oo** | 11789 | 66557 | 33443 | 45232 | **90 oo** |
| 10 | 11866 | 66694 | 33306 | 45172 | 90 |
| 20 | 11943 | 66832 | 33168 | 45111 | 80 |
| 30 | 12020 | 66969 | 33031 | 45051 | 70 |
| 40 | 12097 | 67107 | 32893 | 44991 | 60 |
| 50 | 12174 | 67244 | 32756 | 44930 | 50 |
| 60 | 12252 | 67382 | 32618 | 44870 | 40 |
| 70 | 12329 | 67519 | 32481 | 44810 | 30 |
| 80 | 12406 | 67657 | 32343 | 44749 | 20 |
| 90 | 12483 | 67794 | 32206 | 44689 | 10 |
| **11 oo** | 12560 | 67932 | 32068 | 44628 | **89 oo** |
| 10 | 12637 | 68069 | 31931 | 44568 | 90 |
| 20 | 12714 | 68206 | 31794 | 44508 | 80 |
| 30 | 12791 | 68344 | 31656 | 44447 | 70 |
| 40 | 12868 | 68481 | 31519 | 44387 | 60 |
| 50 | 12946 | 68619 | 31381 | 44327 | 50 |
| 60 | 13023 | 68756 | 31244 | 44266 | 40 |
| 70 | 13100 | 68894 | 31106 | 44206 | 30 |
| 80 | 13177 | 69031 | 30969 | 44146 | 20 |
| 90 | 13254 | 69169 | 30831 | 44085 | 10 |
| **12 oo** | 13331 | 69306 | 30694 | 44025 | **88 oo** |
| 10 | 13408 | 69444 | 30556 | 43964 | 90 |
| 20 | 13485 | 69581 | 30419 | 43904 | 80 |
| 30 | 13562 | 69719 | 30281 | 43844 | 70 |
| 40 | 13639 | 69856 | 30144 | 43783 | 60 |
| 50 | 13716 | 69993 | 30007 | 43723 | 50 |
| 60 | 13793 | 70131 | 29869 | 43663 | 40 |
| 70 | 13871 | 70268 | 29732 | 43602 | 30 |
| 80 | 13948 | 70406 | 29594 | 43542 | 20 |
| 90 | 14025 | 70543 | 29457 | 43481 | 10 |
| **13 oo** | 14102 | 70681 | 29319 | 43421 | **87 oo** |
| 10 | 14179 | 70818 | 29182 | 43361 | 90 |
| 20 | 14256 | 70956 | 29044 | 43300 | 80 |
| 30 | 14333 | 71093 | 28907 | 43240 | 70 |
| 40 | 14410 | 71231 | 28769 | 43179 | 60 |
| 50 | 14487 | 71368 | 28632 | 43119 | 50 |
| 60 | 14564 | 71505 | 28495 | 43059 | 40 |
| 70 | 14641 | 71643 | 28357 | 42998 | 30 |
| 80 | 14718 | 71780 | 28220 | 42938 | 20 |
| 90 | 14795 | 71918 | 28082 | 42877 | 10 |
| **14 oo** | 14872 | 72055 | 27945 | 42817 | **86 oo** |
| 10 | 14949 | 72193 | 27807 | 42757 | 90 |
| 20 | 15026 | 72330 | 27670 | 42696 | 80 |
| 30 | 15103 | 72468 | 27532 | 42636 | 70 |
| 40 | 15180 | 72605 | 27395 | 42575 | 60 |
| 50 | 15257 | 72742 | 27258 | 42515 | 50 |
| 60 | 15334 | 72880 | 27120 | 42455 | 40 |
| 70 | 15411 | 73017 | 26983 | 42394 | 30 |
| 80 | 15488 | 73155 | 26845 | 42334 | 20 |
| 90 | 15565 | 73292 | 26708 | 42273 | 10 |
| **15 oo** | 15642 | 73430 | 26570 | 42213 | **85 oo** |
| | **9.82** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 77 | 137 | 137 | 61 | |

| 46g | 78 | 138 | 138 | 60 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.94** | **0.05** | **9.87** | |
| **15 oo** | 15642 | 73430 | 26570 | 42213 | **85 oo** |
| 10 | 15720 | 73567 | 26433 | 42152 | 90 |
| 20 | 15797 | 73705 | 26295 | 42092 | 80 |
| 30 | 15874 | 73842 | 26158 | 42032 | 70 |
| 40 | 15951 | 73979 | 26021 | 41971 | 60 |
| 50 | 16028 | 74117 | 25883 | 41911 | 50 |
| 60 | 16105 | 74254 | 25746 | 41850 | 40 |
| 70 | 16182 | 74392 | 25608 | 41790 | 30 |
| 80 | 16259 | 74529 | 25471 | 41729 | 20 |
| 90 | 16336 | 74667 | 25333 | 41669 | 10 |
| **16 oo** | 16412 | 74804 | 25196 | 41608 | **84 oo** |
| 10 | 16489 | 74941 | 25059 | 41548 | 90 |
| 20 | 16566 | 75079 | 24921 | 41488 | 80 |
| 30 | 16643 | 75216 | 24784 | 41427 | 70 |
| 40 | 16720 | 75354 | 24646 | 41367 | 60 |
| 50 | 16797 | 75491 | 24509 | 41306 | 50 |
| 60 | 16874 | 75629 | 24371 | 41246 | 40 |
| 70 | 16951 | 75766 | 24234 | 41185 | 30 |
| 80 | 17028 | 75904 | 24096 | 41125 | 20 |
| 90 | 17105 | 76041 | 23959 | 41064 | 10 |
| **17 oo** | 17182 | 76178 | 23822 | 41004 | **83 oo** |
| 10 | 17259 | 76316 | 23684 | 40943 | 90 |
| 20 | 17336 | 76453 | 23547 | 40883 | 80 |
| 30 | 17413 | 76591 | 23409 | 40822 | 70 |
| 40 | 17490 | 76728 | 23272 | 40762 | 60 |
| 50 | 17567 | 76866 | 23134 | 40702 | 50 |
| 60 | 17644 | 77003 | 22997 | 40641 | 40 |
| 70 | 17721 | 77140 | 22860 | 40581 | 30 |
| 80 | 17798 | 77278 | 22722 | 40520 | 20 |
| 90 | 17875 | 77415 | 22585 | 40460 | 10 |
| **18 oo** | 17952 | 77553 | 22447 | 40399 | **82 oo** |
| 10 | 18029 | 77690 | 22310 | 40339 | 90 |
| 20 | 18106 | 77828 | 22172 | 40278 | 80 |
| 30 | 18183 | 77965 | 22035 | 40218 | 70 |
| 40 | 18260 | 78102 | 21898 | 40157 | 60 |
| 50 | 18336 | 78240 | 21760 | 40097 | 50 |
| 60 | 18413 | 78377 | 21623 | 40036 | 40 |
| 70 | 18490 | 78515 | 21485 | 39976 | 30 |
| 80 | 18567 | 78652 | 21348 | 39915 | 20 |
| 90 | 18644 | 78789 | 21211 | 39855 | 10 |
| **19 oo** | 18721 | 78927 | 21073 | 39794 | **81 oo** |
| 10 | 18798 | 79064 | 20936 | 39734 | 90 |
| 20 | 18875 | 79202 | 20798 | 39673 | 80 |
| 30 | 18952 | 79339 | 20661 | 39613 | 70 |
| 40 | 19029 | 79477 | 20523 | 39552 | 60 |
| 50 | 19106 | 79614 | 20386 | 39492 | 50 |
| 60 | 19182 | 79751 | 20249 | 39431 | 40 |
| 70 | 19259 | 79889 | 20111 | 39371 | 30 |
| 80 | 19336 | 80026 | 19974 | 39310 | 20 |
| 90 | 19413 | 80164 | 19836 | 39250 | 10 |
| **20 oo** | 19490 | 80301 | 19699 | 39189 | **80 oo** |
| | **9.82** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 76 | 137 | 137 | 61 | |

| | 138 | 137 | 78 | 77 | 76 | 61 | 60 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,8 | 7,7 | 7,6 | 6,1 | 6,0 | 1 |
| 2 | 27,6 | 27,4 | 15,6 | 15,4 | 15,2 | 12,2 | 12,0 | 2 |
| 3 | 41,4 | 41,1 | 23,4 | 23,1 | 22,8 | 18,3 | 18,0 | 3 |
| 4 | 55,2 | 54,8 | 31,2 | 30,8 | 30,4 | 24,4 | 24,0 | 4 |
| 5 | 69,0 | 68,5 | 39,0 | 38,5 | 38,0 | 30,5 | 30,0 | 5 |
| 6 | 82,8 | 82,2 | 46,8 | 46,2 | 45,6 | 36,6 | 36,0 | 6 |
| 7 | 96,6 | 95,9 | 54,6 | 53,9 | 53,2 | 42,7 | 42,0 | 7 |
| 8 | 110,4 | 109,6 | 62,4 | 61,6 | 60,8 | 48,8 | 48,0 | 8 |
| 9 | 124,2 | 123,3 | 70,2 | 69,3 | 68,4 | 54,9 | 54,0 | 9 |

| 46g | 77 | 138 | 138 | 60 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.94** | **0.05** | **9.87** | |
| **20 00** | 19490 | 80301 | 19699 | 39189 | **80 00** |
| 10 | 19567 | 80438 | 19562 | 39128 | 90 |
| 20 | 19644 | 80576 | 19424 | 39068 | 80 |
| 30 | 19721 | 80713 | 19287 | 39007 | 70 |
| 40 | 19798 | 80851 | 19149 | 38947 | 60 |
| 50 | 19874 | 80988 | 19012 | 38886 | 50 |
| 60 | 19951 | 81126 | 18874 | 38826 | 40 |
| 70 | 20028 | 81263 | 18737 | 38765 | 30 |
| 80 | 20105 | 81400 | 18600 | 38705 | 20 |
| 90 | 20182 | 81538 | 18462 | 38644 | 10 |
| **21 00** | 20259 | 81675 | 18325 | 38584 | **79 00** |
| 10 | 20336 | 81813 | 18187 | 38523 | 90 |
| 20 | 20413 | 81950 | 18050 | 38463 | 80 |
| 30 | 20489 | 82087 | 17913 | 38402 | 70 |
| 40 | 20566 | 82225 | 17775 | 38341 | 60 |
| 50 | 20643 | 82362 | 17638 | 38281 | 50 |
| 60 | 20720 | 82500 | 17500 | 38220 | 40 |
| 70 | 20797 | 82637 | 17363 | 38160 | 30 |
| 80 | 20874 | 82774 | 17226 | 38099 | 20 |
| 90 | 20951 | 82912 | 17088 | 38039 | 10 |
| **22 00** | 21027 | 83049 | 16951 | 37978 | **78 00** |
| 10 | 21104 | 83187 | 16813 | 37918 | 90 |
| 20 | 21181 | 83324 | 16676 | 37857 | 80 |
| 30 | 21258 | 83462 | 16538 | 37796 | 70 |
| 40 | 21335 | 83599 | 16401 | 37736 | 60 |
| 50 | 21412 | 83736 | 16264 | 37675 | 50 |
| 60 | 21488 | 83874 | 16126 | 37615 | 40 |
| 70 | 21565 | 84011 | 15989 | 37554 | 30 |
| 80 | 21642 | 84149 | 15851 | 37494 | 20 |
| 90 | 21719 | 84286 | 15714 | 37433 | 10 |
| **23 00** | 21796 | 84423 | 15577 | 37372 | **77 00** |
| 10 | 21873 | 84561 | 15439 | 37312 | 90 |
| 20 | 21949 | 84698 | 15302 | 37251 | 80 |
| 30 | 22026 | 84836 | 15164 | 37191 | 70 |
| 40 | 22103 | 84973 | 15027 | 37130 | 60 |
| 50 | 22180 | 85110 | 14890 | 37069 | 50 |
| 60 | 22257 | 85248 | 14752 | 37009 | 40 |
| 70 | 22333 | 85385 | 14615 | 36948 | 30 |
| 80 | 22410 | 85523 | 14477 | 36888 | 20 |
| 90 | 22487 | 85660 | 14340 | 36827 | 10 |
| **24 00** | 22564 | 85797 | 14203 | 36766 | **76 00** |
| 10 | 22641 | 85935 | 14065 | 36706 | 90 |
| 20 | 22717 | 86072 | 13928 | 36645 | 80 |
| 30 | 22794 | 86209 | 13791 | 36585 | 70 |
| 40 | 22871 | 86347 | 13653 | 36524 | 60 |
| 50 | 22948 | 86484 | 13516 | 36463 | 50 |
| 60 | 23024 | 86622 | 13378 | 36403 | 40 |
| 70 | 23101 | 86759 | 13241 | 36342 | 30 |
| 80 | 23178 | 86896 | 13104 | 36282 | 20 |
| 90 | 23255 | 87034 | 12966 | 36221 | 10 |
| **25 00** | 23332 | 87171 | 12829 | 36160 | **75 00** |
| | **9.82** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 76 | 137 | 137 | 61 | |

| 46g | 77 | 138 | 138 | 60 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.94** | **0.05** | **9.87** | |
| **25 00** | 23332 | 87171 | 12829 | 36160 | **75 00** |
| 10 | 23408 | 87309 | 12691 | 36100 | 90 |
| 20 | 23485 | 87446 | 12554 | 36039 | 80 |
| 30 | 23562 | 87583 | 12417 | 35978 | 70 |
| 40 | 23639 | 87721 | 12279 | 35918 | 60 |
| 50 | 23715 | 87858 | 12142 | 35857 | 50 |
| 60 | 23792 | 87996 | 12004 | 35797 | 40 |
| 70 | 23869 | 88133 | 11867 | 35736 | 30 |
| 80 | 23946 | 88270 | 11730 | 35675 | 20 |
| 90 | 24022 | 88408 | 11592 | 35615 | 10 |
| **26 00** | 24099 | 88545 | 11455 | 35554 | **74 00** |
| 10 | 24176 | 88682 | 11318 | 35493 | 90 |
| 20 | 24253 | 88820 | 11180 | 35433 | 80 |
| 30 | 24329 | 88957 | 11043 | 35372 | 70 |
| 40 | 24406 | 89095 | 10905 | 35311 | 60 |
| 50 | 24483 | 89232 | 10768 | 35251 | 50 |
| 60 | 24560 | 89369 | 10631 | 35190 | 40 |
| 70 | 24636 | 89507 | 10493 | 35130 | 30 |
| 80 | 24713 | 89644 | 10356 | 35069 | 20 |
| 90 | 24790 | 89782 | 10218 | 35008 | 10 |
| **27 00** | 24866 | 89919 | 10081 | 34948 | **73 00** |
| 10 | 24943 | 90056 | 09944 | 34887 | 90 |
| 20 | 25020 | 90194 | 09806 | 34826 | 80 |
| 30 | 25097 | 90331 | 09669 | 34766 | 70 |
| 40 | 25173 | 90468 | 09532 | 34705 | 60 |
| 50 | 25250 | 90606 | 09394 | 34644 | 50 |
| 60 | 25327 | 90743 | 09257 | 34584 | 40 |
| 70 | 25403 | 90881 | 09119 | 34523 | 30 |
| 80 | 25480 | 91018 | 08982 | 34462 | 20 |
| 90 | 25557 | 91155 | 08845 | 34402 | 10 |
| **28 00** | 25634 | 91293 | 08707 | 34341 | **72 00** |
| 10 | 25710 | 91430 | 08570 | 34280 | 90 |
| 20 | 25787 | 91567 | 08433 | 34220 | 80 |
| 30 | 25864 | 91705 | 08295 | 34159 | 70 |
| 40 | 25940 | 91842 | 08158 | 34098 | 60 |
| 50 | 26017 | 91980 | 08020 | 34037 | 50 |
| 60 | 26094 | 92117 | 07883 | 33977 | 40 |
| 70 | 26170 | 92254 | 07746 | 33916 | 30 |
| 80 | 26247 | 92392 | 07608 | 33855 | 20 |
| 90 | 26324 | 92529 | 07471 | 33795 | 10 |
| **29 00** | 26400 | 92666 | 07334 | 33734 | **71 00** |
| 10 | 26477 | 92804 | 07196 | 33673 | 90 |
| 20 | 26554 | 92941 | 07059 | 33613 | 80 |
| 30 | 26630 | 93079 | 06921 | 33552 | 70 |
| 40 | 26707 | 93216 | 06784 | 33491 | 60 |
| 50 | 26784 | 93353 | 06647 | 33430 | 50 |
| 60 | 26860 | 93491 | 06509 | 33370 | 40 |
| 70 | 26937 | 93628 | 06372 | 33309 | 30 |
| 80 | 27014 | 93765 | 06235 | 33248 | 20 |
| 90 | 27090 | 93903 | 06097 | 33188 | 10 |
| **30 00** | 27167 | 94040 | 05960 | 33127 | **70 00** |
| | **9.82** | **9.94** | **0.05** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 76 | 137 | 137 | 61 | |

| | 138 | 137 | 77 | 76 | 61 | 60 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,7 | 7,6 | 6,1 | 6,0 | 1 |
| 2 | 27,6 | 27,4 | 15,4 | 15,2 | 12,2 | 12,0 | 2 |
| 3 | 41,4 | 41,1 | 23,1 | 22,8 | 18,3 | 18,0 | 3 |
| 4 | 55,2 | 54,8 | 30,8 | 30,4 | 24,4 | 24,0 | 4 |
| 5 | 69,0 | 68,5 | 38,5 | 38,0 | 30,5 | 30,0 | 5 |
| 6 | 82,8 | 82,2 | 46,2 | 45,6 | 36,6 | 36,0 | 6 |
| 7 | 96,6 | 95,9 | 53,9 | 53,2 | 42,7 | 42,0 | 7 |
| 8 | 110,4 | 109,6 | 61,6 | 60,8 | 48,8 | 48,0 | 8 |
| 9 | 124,2 | 123,3 | 69,3 | 68,4 | 54,9 | 54,0 | 9 |

| 46g | 77 | 138 | 138 | 60 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.94** | **0.05** | **9.87** | |
| **30 oo** | 27167 | 94040 | 05960 | 33127 | **70 oo** |
| 10 | 27244 | 94177 | 05823 | 33066 | 90 |
| 20 | 27320 | 94315 | 05685 | 33005 | 80 |
| 30 | 27397 | 94452 | 05548 | 32945 | 70 |
| 40 | 27474 | 94590 | 05410 | 32884 | 60 |
| 50 | 27550 | 94727 | 05273 | 32823 | 50 |
| 60 | 27627 | 94864 | 05136 | 32763 | 40 |
| 70 | 27703 | 95002 | 04998 | 32702 | 30 |
| 80 | 27780 | 95139 | 04861 | 32641 | 20 |
| 90 | 27857 | 95276 | 04724 | 32580 | 10 |
| **31 oo** | 27933 | 95414 | 04586 | 32520 | **69 oo** |
| 10 | 28010 | 95551 | 04449 | 32459 | 90 |
| 20 | 28087 | 95688 | 04312 | 32398 | 80 |
| 30 | 28163 | 95826 | 04174 | 32337 | 70 |
| 40 | 28240 | 95963 | 04037 | 32277 | 60 |
| 50 | 28316 | 96100 | 03900 | 32216 | 50 |
| 60 | 28393 | 96238 | 03762 | 32155 | 40 |
| 70 | 28470 | 96375 | 03625 | 32094 | 30 |
| 80 | 28546 | 96513 | 03487 | 32034 | 20 |
| 90 | 28623 | 96650 | 03350 | 31973 | 10 |
| **32 oo** | 28699 | 96787 | 03213 | 31912 | **68 oo** |
| 10 | 28776 | 96925 | 03075 | 31851 | 90 |
| 20 | 28853 | 97062 | 02938 | 31791 | 80 |
| 30 | 28929 | 97199 | 02801 | 31730 | 70 |
| 40 | 29006 | 97337 | 02663 | 31669 | 60 |
| 50 | 29082 | 97474 | 02526 | 31608 | 50 |
| 60 | 29159 | 97611 | 02389 | 31548 | 40 |
| 70 | 29236 | 97749 | 02251 | 31487 | 30 |
| 80 | 29312 | 97886 | 02114 | 31426 | 20 |
| 90 | 29389 | 98023 | 01977 | 31365 | 10 |
| **33 oo** | 29465 | 98161 | 01839 | 31305 | **67 oo** |
| 10 | 29542 | 98298 | 01702 | 31244 | 90 |
| 20 | 29618 | 98435 | 01565 | 31183 | 80 |
| 30 | 29695 | 98573 | 01427 | 31122 | 70 |
| 40 | 29772 | 98710 | 01290 | 31061 | 60 |
| 50 | 29848 | 98848 | 01152 | 31001 | 50 |
| 60 | 29925 | 98985 | 01015 | 30940 | 40 |
| 70 | 30001 | 99122 | 00878 | 30879 | 30 |
| 80 | 30078 | 99260 | 00740 | 30818 | 20 |
| 90 | 30154 | 99397 | 00603 | 30758 | 10 |
| **34 oo** | 30231 | 99534 | 00466 | 30697 | **66 oo** |
| 10 | 30308 | 99672 | 00328 | 30636 | 90 |
| 20 | 30384 | 99809 | 00191 | 30575 | 80 |
| 30 | 30461 | 99946 | 00054 | 30514 | 70 |
| 40 | 30537 | *00084 | *99916 | 30454 | 60 |
| 50 | 30614 | *00221 | *99779 | 30393 | 50 |
| 60 | 30690 | *00358 | *99642 | 30332 | 40 |
| 70 | 30767 | *00496 | *99504 | 30271 | 30 |
| 80 | 30843 | *00633 | *99367 | 30210 | 20 |
| 90 | 30920 | *00770 | *99230 | 30149 | 10 |
| **35 oo** | 30996 | *00908 | *99092 | 30089 | **65 oo** |
| | **9.82** | ***9.95** | ***0.04** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 76 | 137 | 137 | 61 | |

| 46g | 77 | 138 | 138 | 60 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.87** | |
| **35 oo** | 30996 | 00908 | 99092 | 30089 | **65 oo** |
| 10 | 31073 | 01045 | 98955 | 30028 | 90 |
| 20 | 31149 | 01182 | 98818 | 29967 | 80 |
| 30 | 31226 | 01320 | 98680 | 29906 | 70 |
| 40 | 31302 | 01457 | 98543 | 29845 | 60 |
| 50 | 31379 | 01594 | 98406 | 29785 | 50 |
| 60 | 31455 | 01732 | 98268 | 29724 | 40 |
| 70 | 31532 | 01869 | 98131 | 29663 | 30 |
| 80 | 31608 | 02006 | 97994 | 29602 | 20 |
| 90 | 31685 | 02144 | 97856 | 29541 | 10 |
| **36 oo** | 31762 | 02281 | 97719 | 29480 | **64 oo** |
| 10 | 31838 | 02418 | 97582 | 29420 | 90 |
| 20 | 31915 | 02556 | 97444 | 29359 | 80 |
| 30 | 31991 | 02693 | 97307 | 29298 | 70 |
| 40 | 32068 | 02830 | 97170 | 29237 | 60 |
| 50 | 32144 | 02968 | 97032 | 29176 | 50 |
| 60 | 32220 | 03105 | 96895 | 29115 | 40 |
| 70 | 32297 | 03242 | 96758 | 29055 | 30 |
| 80 | 32373 | 03380 | 96620 | 28994 | 20 |
| 90 | 32450 | 03517 | 96483 | 28933 | 10 |
| **37 oo** | 32526 | 03654 | 96346 | 28872 | **63 oo** |
| 10 | 32603 | 03792 | 96208 | 28811 | 90 |
| 20 | 32679 | 03929 | 96071 | 28750 | 80 |
| 30 | 32756 | 04066 | 95934 | 28689 | 70 |
| 40 | 32832 | 04204 | 95796 | 28629 | 60 |
| 50 | 32909 | 04341 | 95659 | 28568 | 50 |
| 60 | 32985 | 04478 | 95522 | 28507 | 40 |
| 70 | 33062 | 04616 | 95384 | 28446 | 30 |
| 80 | 33138 | 04753 | 95247 | 28385 | 20 |
| 90 | 33215 | 04890 | 95110 | 28324 | 10 |
| **38 oo** | 33291 | 05028 | 94972 | 28263 | **62 oo** |
| 10 | 33368 | 05165 | 94835 | 28203 | 90 |
| 20 | 33444 | 05302 | 94698 | 28142 | 80 |
| 30 | 33520 | 05440 | 94560 | 28081 | 70 |
| 40 | 33597 | 05577 | 94423 | 28020 | 60 |
| 50 | 33673 | 05714 | 94286 | 27959 | 50 |
| 60 | 33750 | 05852 | 94148 | 27898 | 40 |
| 70 | 33826 | 05989 | 94011 | 27837 | 30 |
| 80 | 33903 | 06126 | 93874 | 27776 | 20 |
| 90 | 33979 | 06264 | 93736 | 27716 | 10 |
| **39 oo** | 34055 | 06401 | 93599 | 27655 | **61 oo** |
| 10 | 34132 | 06538 | 93462 | 27594 | 90 |
| 20 | 34208 | 06676 | 93324 | 27533 | 80 |
| 30 | 34285 | 06813 | 93187 | 27472 | 70 |
| 40 | 34361 | 06950 | 93050 | 27411 | 60 |
| 50 | 34438 | 07087 | 92913 | 27350 | 50 |
| 60 | 34514 | 07225 | 92775 | 27289 | 40 |
| 70 | 34590 | 07362 | 92638 | 27228 | 30 |
| 80 | 34667 | 07499 | 92501 | 27167 | 20 |
| 90 | 34743 | 07637 | 92363 | 27107 | 10 |
| **40 oo** | 34820 | 07774 | 92226 | 27046 | **60 oo** |
| | **9.82** | **9.95** | **0.04** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 76 | 137 | 137 | 61 | |

| | 138 | 137 | 77 | 76 | 61 | 60 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,7 | 7,6 | 6,1 | 6,0 | 1 |
| 2 | 27,6 | 27,4 | 15,4 | 15,2 | 12,2 | 12,0 | 2 |
| 3 | 41,4 | 41,1 | 23,1 | 22,8 | 18,3 | 18,0 | 3 |
| 4 | 55,2 | 54,8 | 30,8 | 30,4 | 24,4 | 24,0 | 4 |
| 5 | 69,0 | 68,5 | 38,5 | 38,0 | 30,5 | 30,0 | 5 |
| 6 | 82,8 | 82,2 | 46,2 | 45,6 | 36,6 | 36,0 | 6 |
| 7 | 96,6 | 95,9 | 53,9 | 53,2 | 42,7 | 42,0 | 7 |
| 8 | 110,4 | 109,6 | 61,6 | 60,8 | 48,8 | 48,0 | 8 |
| 9 | 124,2 | 123,3 | 69,3 | 68,4 | 54,9 | 54,0 | 9 |

| 46g | 77 | 138 | 138 | 60 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.87** | |
| **40 00** | 34820 | 07774 | 92226 | 27046 | **60 00** |
| 10 | 34896 | 07911 | 92089 | 26985 | 90 |
| 20 | 34972 | 08049 | 91951 | 26924 | 80 |
| 30 | 35049 | 08186 | 91814 | 26863 | 70 |
| 40 | 35125 | 08323 | 91677 | 26802 | 60 |
| 50 | 35202 | 08461 | 91539 | 26741 | 50 |
| 60 | 35278 | 08598 | 91402 | 26680 | 40 |
| 70 | 35354 | 08735 | 91265 | 26619 | 30 |
| 80 | 35431 | 08873 | 91127 | 26558 | 20 |
| 90 | 35507 | 09010 | 90990 | 26497 | 10 |
| **41 00** | 35584 | 09147 | 90853 | 26436 | **59 00** |
| 10 | 35660 | 09284 | 90716 | 26376 | 90 |
| 20 | 35736 | 09422 | 90578 | 26315 | 80 |
| 30 | 35813 | 09559 | 90441 | 26254 | 70 |
| 40 | 35889 | 09696 | 90304 | 26193 | 60 |
| 50 | 35965 | 09834 | 90166 | 26132 | 50 |
| 60 | 36042 | 09971 | 90029 | 26071 | 40 |
| 70 | 36118 | 10108 | 89892 | 26010 | 30 |
| 80 | 36195 | 10246 | 89754 | 25949 | 20 |
| 90 | 36271 | 10383 | 89617 | 25888 | 10 |
| **42 00** | 36347 | 10520 | 89480 | 25827 | **58 00** |
| 10 | 36424 | 10658 | 89342 | 25766 | 90 |
| 20 | 36500 | 10795 | 89205 | 25705 | 80 |
| 30 | 36576 | 10932 | 89068 | 25644 | 70 |
| 40 | 36653 | 11069 | 88931 | 25583 | 60 |
| 50 | 36729 | 11207 | 88793 | 25522 | 50 |
| 60 | 36805 | 11344 | 88656 | 25461 | 40 |
| 70 | 36882 | 11481 | 88519 | 25400 | 30 |
| 80 | 36958 | 11619 | 88381 | 25339 | 20 |
| 90 | 37034 | 11756 | 88244 | 25278 | 10 |
| **43 00** | 37111 | 11893 | 88107 | 25217 | **57 00** |
| 10 | 37187 | 12031 | 87969 | 25157 | 90 |
| 20 | 37263 | 12168 | 87832 | 25096 | 80 |
| 30 | 37340 | 12305 | 87695 | 25035 | 70 |
| 40 | 37416 | 12442 | 87558 | 24974 | 60 |
| 50 | 37492 | 12580 | 87420 | 24913 | 50 |
| 60 | 37569 | 12717 | 87283 | 24852 | 40 |
| 70 | 37645 | 12854 | 87146 | 24791 | 30 |
| 80 | 37721 | 12992 | 87008 | 24730 | 20 |
| 90 | 37798 | 13129 | 86871 | 24669 | 10 |
| **44 00** | 37874 | 13266 | 86734 | 24608 | **56 00** |
| 10 | 37950 | 13404 | 86596 | 24547 | 90 |
| 20 | 38027 | 13541 | 86459 | 24486 | 80 |
| 30 | 38103 | 13678 | 86322 | 24425 | 70 |
| 40 | 38179 | 13815 | 86185 | 24364 | 60 |
| 50 | 38255 | 13953 | 86047 | 24303 | 50 |
| 60 | 38332 | 14090 | 85910 | 24242 | 40 |
| 70 | 38408 | 14227 | 85773 | 24181 | 30 |
| 80 | 38484 | 14365 | 85635 | 24120 | 20 |
| 90 | 38561 | 14502 | 85498 | 24059 | 10 |
| **45 00** | 38637 | 14639 | 85361 | 23998 | **55 00** |
| | **9.82** | **9.95** | **0.04** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 76 | 137 | 137 | 61 | **53g** |

| 46g | 77 | 138 | 138 | 61 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.87** | |
| **45 00** | 38637 | 14639 | 85361 | 23998 | **55 00** |
| 10 | 38713 | 14776 | 85224 | 23937 | 90 |
| 20 | 38790 | 14914 | 85086 | 23876 | 80 |
| 30 | 38866 | 15051 | 84949 | 23815 | 70 |
| 40 | 38942 | 15188 | 84812 | 23754 | 60 |
| 50 | 39018 | 15326 | 84674 | 23693 | 50 |
| 60 | 39095 | 15463 | 84537 | 23632 | 40 |
| 70 | 39171 | 15600 | 84400 | 23571 | 30 |
| 80 | 39247 | 15737 | 84263 | 23510 | 20 |
| 90 | 39323 | 15875 | 84125 | 23449 | 10 |
| **46 00** | 39400 | 16012 | 83988 | 23388 | **54 00** |
| 10 | 39476 | 16149 | 83851 | 23327 | 90 |
| 20 | 39552 | 16287 | 83713 | 23266 | 80 |
| 30 | 39628 | 16424 | 83576 | 23205 | 70 |
| 40 | 39705 | 16561 | 83439 | 23144 | 60 |
| 50 | 39781 | 16698 | 83302 | 23082 | 50 |
| 60 | 39857 | 16836 | 83164 | 23021 | 40 |
| 70 | 39933 | 16973 | 83027 | 22960 | 30 |
| 80 | 40010 | 17110 | 82890 | 22899 | 20 |
| 90 | 40086 | 17248 | 82752 | 22838 | 10 |
| **47 00** | 40162 | 17385 | 82615 | 22777 | **53 00** |
| 10 | 40238 | 17522 | 82478 | 22716 | 90 |
| 20 | 40315 | 17659 | 82341 | 22655 | 80 |
| 30 | 40391 | 17797 | 82203 | 22594 | 70 |
| 40 | 40467 | 17934 | 82066 | 22533 | 60 |
| 50 | 40543 | 18071 | 81929 | 22472 | 50 |
| 60 | 40620 | 18209 | 81791 | 22411 | 40 |
| 70 | 40696 | 18346 | 81654 | 22350 | 30 |
| 80 | 40772 | 18483 | 81517 | 22289 | 20 |
| 90 | 40848 | 18620 | 81380 | 22228 | 10 |
| **48 00** | 40924 | 18758 | 81242 | 22167 | **52 00** |
| 10 | 41001 | 18895 | 81105 | 22106 | 90 |
| 20 | 41077 | 19032 | 80968 | 22045 | 80 |
| 30 | 41153 | 19170 | 80830 | 21984 | 70 |
| 40 | 41229 | 19307 | 80693 | 21922 | 60 |
| 50 | 41305 | 19444 | 80556 | 21861 | 50 |
| 60 | 41382 | 19581 | 80419 | 21800 | 40 |
| 70 | 41458 | 19719 | 80281 | 21739 | 30 |
| 80 | 41534 | 19856 | 80144 | 21678 | 20 |
| 90 | 41610 | 19993 | 80007 | 21617 | 10 |
| **49 00** | 41686 | 20130 | 79870 | 21556 | **51 00** |
| 10 | 41763 | 20268 | 79732 | 21495 | 90 |
| 20 | 41839 | 20405 | 79595 | 21434 | 80 |
| 30 | 41915 | 20542 | 79458 | 21373 | 70 |
| 40 | 41991 | 20680 | 79320 | 21312 | 60 |
| 50 | 42067 | 20817 | 79183 | 21251 | 50 |
| 60 | 42144 | 20954 | 79046 | 21189 | 40 |
| 70 | 42220 | 21091 | 78909 | 21128 | 30 |
| 80 | 42296 | 21229 | 78771 | 21067 | 20 |
| 90 | 42372 | 21366 | 78634 | 21006 | 10 |
| **50 00** | 42448 | 21503 | 78497 | 20945 | **50 00** |
| | **9.82** | **9.95** | **0.04** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 76 | 137 | 137 | 62 | **53g** |

| | 138 | 137 | 77 | 76 | 62 | 61 | 60 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,7 | 7,6 | 6,2 | 6,1 | 6,0 | 1 |
| 2 | 27,6 | 27,4 | 15,4 | 15,2 | 12,4 | 12,2 | 12,0 | 2 |
| 3 | 41,4 | 41,1 | 23,1 | 22,8 | 18,6 | 18,3 | 18,0 | 3 |
| 4 | 55,2 | 54,8 | 30,8 | 30,4 | 24,8 | 24,4 | 24,0 | 4 |
| 5 | 69,0 | 68,5 | 38,5 | 38,0 | 31,0 | 30,5 | 30,0 | 5 |
| 6 | 82,8 | 82,2 | 46,2 | 45,6 | 37,2 | 36,6 | 36,0 | 6 |
| 7 | 96,6 | 95,9 | 53,9 | 53,2 | 43,4 | 42,7 | 42,0 | 7 |
| 8 | 110,4 | 109,6 | 61,6 | 60,8 | 49,6 | 48,8 | 48,0 | 8 |
| 9 | 124,2 | 123,3 | 69,3 | 68,4 | 55,8 | 54,9 | 54,0 | 9 |

| $46^g$ | 77 | 138 | 138 | 61 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.87** | |
| **50 00** | 42448 | 21503 | 78497 | 20945 | **50 00** |
| 10 | 42524 | 21640 | 78360 | 20884 | 90 |
| 20 | 42601 | 21778 | 78222 | 20823 | 80 |
| 30 | 42677 | 21915 | 78085 | 20762 | 70 |
| 40 | 42753 | 22052 | 77948 | 20701 | 60 |
| 50 | 42829 | 22189 | 77811 | 20640 | 50 |
| 60 | 42905 | 22327 | 77673 | 20578 | 40 |
| 70 | 42981 | 22464 | 77536 | 20517 | 30 |
| 80 | 43057 | 22601 | 77399 | 20456 | 20 |
| 90 | 43134 | 22738 | 77262 | 20395 | 10 |
| **51 00** | 43210 | 22876 | 77124 | 20334 | **49 00** |
| 10 | 43286 | 23013 | 76987 | 20273 | 90 |
| 20 | 43362 | 23150 | 76850 | 20212 | 80 |
| 30 | 43438 | 23288 | 76712 | 20151 | 70 |
| 40 | 43514 | 23425 | 76575 | 20089 | 60 |
| 50 | 43590 | 23562 | 76438 | 20028 | 50 |
| 60 | 43667 | 23699 | 76301 | 19967 | 40 |
| 70 | 43743 | 23837 | 76163 | 19906 | 30 |
| 80 | 43819 | 23974 | 76026 | 19845 | 20 |
| 90 | 43895 | 24111 | 75889 | 19784 | 10 |
| **52 00** | 43971 | 24248 | 75752 | 19723 | **48 00** |
| 10 | 44047 | 24386 | 75614 | 19662 | 90 |
| 20 | 44123 | 24523 | 75477 | 19600 | 80 |
| 30 | 44199 | 24660 | 75340 | 19539 | 70 |
| 40 | 44275 | 24797 | 75203 | 19478 | 60 |
| 50 | 44352 | 24935 | 75065 | 19417 | 50 |
| 60 | 44428 | 25072 | 74928 | 19356 | 40 |
| 70 | 44504 | 25209 | 74791 | 19295 | 30 |
| 80 | 44580 | 25346 | 74654 | 19233 | 20 |
| 90 | 44656 | 25484 | 74516 | 19172 | 10 |
| **53 00** | 44732 | 25621 | 74379 | 19111 | **47 00** |
| 10 | 44808 | 25758 | 74242 | 19050 | 90 |
| 20 | 44884 | 25895 | 74105 | 18989 | 80 |
| 30 | 44960 | 26033 | 73967 | 18928 | 70 |
| 40 | 45036 | 26170 | 73830 | 18867 | 60 |
| 50 | 45112 | 26307 | 73693 | 18805 | 50 |
| 60 | 45189 | 26444 | 73556 | 18744 | 40 |
| 70 | 45265 | 26582 | 73418 | 18683 | 30 |
| 80 | 45341 | 26719 | 73281 | 18622 | 20 |
| 90 | 45417 | 26856 | 73144 | 18561 | 10 |
| **54 00** | 45493 | 26993 | 73007 | 18499 | **46 00** |
| 10 | 45569 | 27131 | 72869 | 18438 | 90 |
| 20 | 45645 | 27268 | 72732 | 18377 | 80 |
| 30 | 45721 | 27405 | 72595 | 18316 | 70 |
| 40 | 45797 | 27542 | 72458 | 18255 | 60 |
| 50 | 45873 | 27680 | 72320 | 18194 | 50 |
| 60 | 45949 | 27817 | 72183 | 18132 | 40 |
| 70 | 46025 | 27954 | 72046 | 18071 | 30 |
| 80 | 46101 | 28091 | 71909 | 18010 | 20 |
| 90 | 46177 | 28229 | 71771 | 17949 | 10 |
| **55 00** | 46253 | 28366 | 71634 | 17888 | **45 00** |
| | **9.82** | **9.95** | **0.04** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | $53^g$ |
| | 76 | 137 | 137 | 62 | |

| $46^g$ | 77 | 138 | 138 | 61 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.87** | |
| **55 00** | 46253 | 28366 | 71634 | 17888 | **45 00** |
| 10 | 46329 | 28503 | 71497 | 17826 | 90 |
| 20 | 46406 | 28640 | 71360 | 17765 | 80 |
| 30 | 46482 | 28778 | 71222 | 17704 | 70 |
| 40 | 46558 | 28915 | 71085 | 17643 | 60 |
| 50 | 46634 | 29052 | 70948 | 17582 | 50 |
| 60 | 46710 | 29189 | 70811 | 17520 | 40 |
| 70 | 46786 | 29327 | 70673 | 17459 | 30 |
| 80 | 46862 | 29464 | 70536 | 17398 | 20 |
| 90 | 46938 | 29601 | 70399 | 17337 | 10 |
| **56 00** | 47014 | 29738 | 70262 | 17276 | **44 00** |
| 10 | 47090 | 29875 | 70125 | 17214 | 90 |
| 20 | 47166 | 30013 | 69987 | 17153 | 80 |
| 30 | 47242 | 30150 | 69850 | 17092 | 70 |
| 40 | 47318 | 30287 | 69713 | 17031 | 60 |
| 50 | 47394 | 30424 | 69576 | 16969 | 50 |
| 60 | 47470 | 30562 | 69438 | 16908 | 40 |
| 70 | 47546 | 30699 | 69301 | 16847 | 30 |
| 80 | 47622 | 30836 | 69164 | 16786 | 20 |
| 90 | 47698 | 30973 | 69027 | 16724 | 10 |
| **57 00** | 47774 | 31111 | 68889 | 16663 | **43 00** |
| 10 | 47850 | 31248 | 68752 | 16602 | 90 |
| 20 | 47926 | 31385 | 68615 | 16541 | 80 |
| 30 | 48002 | 31522 | 68478 | 16480 | 70 |
| 40 | 48078 | 31660 | 68340 | 16418 | 60 |
| 50 | 48154 | 31797 | 68203 | 16357 | 50 |
| 60 | 48230 | 31934 | 68066 | 16296 | 40 |
| 70 | 48306 | 32071 | 67929 | 16235 | 30 |
| 80 | 48382 | 32208 | 67792 | 16173 | 20 |
| 90 | 48458 | 32346 | 67654 | 16112 | 10 |
| **58 00** | 48534 | 32483 | 67517 | 16051 | **42 00** |
| 10 | 48610 | 32620 | 67380 | 15989 | 90 |
| 20 | 48686 | 32757 | 67243 | 15928 | 80 |
| 30 | 48762 | 32895 | 67105 | 15867 | 70 |
| 40 | 48838 | 33032 | 66968 | 15806 | 60 |
| 50 | 48914 | 33169 | 66831 | 15744 | 50 |
| 60 | 48989 | 33306 | 66694 | 15683 | 40 |
| 70 | 49065 | 33444 | 66556 | 15622 | 30 |
| 80 | 49141 | 33581 | 66419 | 15561 | 20 |
| 90 | 49217 | 33718 | 66282 | 15499 | 10 |
| **59 00** | 49293 | 33855 | 66145 | 15438 | **41 00** |
| 10 | 49369 | 33992 | 66008 | 15377 | 90 |
| 20 | 49445 | 34130 | 65870 | 15316 | 80 |
| 30 | 49521 | 34267 | 65733 | 15254 | 70 |
| 40 | 49597 | 34404 | 65596 | 15193 | 60 |
| 50 | 49673 | 34541 | 65459 | 15132 | 50 |
| 60 | 49749 | 34679 | 65321 | 15070 | 40 |
| 70 | 49825 | 34816 | 65184 | 15009 | 30 |
| 80 | 49901 | 34953 | 65047 | 14948 | 20 |
| 90 | 49977 | 35090 | 64910 | 14887 | 10 |
| **60 00** | 50053 | 35227 | 64773 | 14825 | **40 00** |
| | **9.82** | **9.95** | **0.04** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | $53^g$ |
| | 75 | 137 | 137 | 62 | |

| | 138 | 137 | 77 | 76 | 75 | 62 | 61 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,7 | 7,6 | 7,5 | 6,2 | 6,1 | 1 |
| 2 | 27,6 | 27,4 | 15,4 | 15,2 | 15,0 | 12,4 | 12,2 | 2 |
| 3 | 41,4 | 41,1 | 23,1 | 22,8 | 22,5 | 18,6 | 18,3 | 3 |
| 4 | 55,2 | 54,8 | 30,8 | 30,4 | 30,0 | 24,8 | 24,4 | 4 |
| 5 | 69,0 | 68,5 | 38,5 | 38,0 | 37,5 | 31,0 | 30,5 | 5 |
| 6 | 82,8 | 82,2 | 46,2 | 45,6 | 45,0 | 37,2 | 36,6 | 6 |
| 7 | 96,6 | 95,9 | 53,9 | 53,2 | 52,5 | 43,4 | 42,7 | 7 |
| 8 | 110,4 | 109,6 | 61,6 | 60,8 | 60,0 | 49,6 | 48,8 | 8 |
| 9 | 124,2 | 123,3 | 69,3 | 68,4 | 67,5 | 55,8 | 54,9 | 9 |

| 46g | 76 | 138 | 138 | 61 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.87** | |
| **60 oo** | 50053 | 35227 | 64773 | 14825 | **40 oo** |
| 10 | 50129 | 35365 | 64635 | 14764 | 90 |
| 20 | 50204 | 35502 | 64498 | 14703 | 80 |
| 30 | 50280 | 35639 | 64361 | 14641 | 70 |
| 40 | 50356 | 35776 | 64224 | 14580 | 60 |
| 50 | 50432 | 35914 | 64086 | 14519 | 50 |
| 60 | 50508 | 36051 | 63949 | 14457 | 40 |
| 70 | 50584 | 36188 | 63812 | 14396 | 30 |
| 80 | 50660 | 36325 | 63675 | 14335 | 20 |
| 90 | 50736 | 36462 | 63538 | 14274 | 10 |
| **61 oo** | 50812 | 36600 | 63400 | 14212 | **39 oo** |
| 10 | 50888 | 36737 | 63263 | 14151 | 90 |
| 20 | 50964 | 36874 | 63126 | 14090 | 80 |
| 30 | 51039 | 37011 | 62989 | 14028 | 70 |
| 40 | 51115 | 37148 | 62852 | 13967 | 60 |
| 50 | 51191 | 37286 | 62714 | 13906 | 50 |
| 60 | 51267 | 37423 | 62577 | 13844 | 40 |
| 70 | 51343 | 37560 | 62440 | 13783 | 30 |
| 80 | 51419 | 37697 | 62303 | 13722 | 20 |
| 90 | 51495 | 37835 | 62165 | 13660 | 10 |
| **62 oo** | 51571 | 37972 | 62028 | 13599 | **38 oo** |
| 10 | 51647 | 38109 | 61891 | 13538 | 90 |
| 20 | 51722 | 38246 | 61754 | 13476 | 80 |
| 30 | 51798 | 38383 | 61617 | 13415 | 70 |
| 40 | 51874 | 38521 | 61479 | 13354 | 60 |
| 50 | 51950 | 38658 | 61342 | 13292 | 50 |
| 60 | 52026 | 38795 | 61205 | 13231 | 40 |
| 70 | 52102 | 38932 | 61068 | 13170 | 30 |
| 80 | 52178 | 39069 | 60931 | 13108 | 20 |
| 90 | 52253 | 39207 | 60793 | 13047 | 10 |
| **63 oo** | 52329 | 39344 | 60656 | 12986 | **37 oo** |
| 10 | 52405 | 39481 | 60519 | 12924 | 90 |
| 20 | 52481 | 39618 | 60382 | 12863 | 80 |
| 30 | 52557 | 39755 | 60245 | 12801 | 70 |
| 40 | 52633 | 39893 | 60107 | 12740 | 60 |
| 50 | 52709 | 40030 | 59970 | 12679 | 50 |
| 60 | 52784 | 40167 | 59833 | 12617 | 40 |
| 70 | 52860 | 40304 | 59696 | 12556 | 30 |
| 80 | 52936 | 40441 | 59559 | 12495 | 20 |
| 90 | 53012 | 40579 | 59421 | 12433 | 10 |
| **64 oo** | 53088 | 40716 | 59284 | 12372 | **36 oo** |
| 10 | 53164 | 40853 | 59147 | 12311 | 90 |
| 20 | 53239 | 40990 | 59010 | 12249 | 80 |
| 30 | 53315 | 41127 | 58873 | 12188 | 70 |
| 40 | 53391 | 41265 | 58735 | 12126 | 60 |
| 50 | 53467 | 41402 | 58598 | 12065 | 50 |
| 60 | 53543 | 41539 | 58461 | 12004 | 40 |
| 70 | 53618 | 41676 | 58324 | 11942 | 30 |
| 80 | 53694 | 41813 | 58187 | 11881 | 20 |
| 90 | 53770 | 41951 | 58049 | 11819 | 10 |
| **65 oo** | 53846 | 42088 | 57912 | 11758 | **35 oo** |
| | **9.82** | **9.95** | **0.04** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 75 | 137 | 137 | 62 | |

| 46g | 76 | 138 | 138 | 61 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.87** | |
| **65 oo** | 53846 | 42088 | 57912 | 11758 | **35 oo** |
| 10 | 53922 | 42225 | 57775 | 11697 | 90 |
| 20 | 53997 | 42362 | 57638 | 11635 | 80 |
| 30 | 54073 | 42499 | 57501 | 11574 | 70 |
| 40 | 54149 | 42637 | 57363 | 11512 | 60 |
| 50 | 54225 | 42774 | 57226 | 11451 | 50 |
| 60 | 54301 | 42911 | 57089 | 11390 | 40 |
| 70 | 54376 | 43048 | 56952 | 11328 | 30 |
| 80 | 54452 | 43185 | 56815 | 11267 | 20 |
| 90 | 54528 | 43323 | 56677 | 11205 | 10 |
| **66 oo** | 54604 | 43460 | 56540 | 11144 | **34 oo** |
| 10 | 54680 | 43597 | 56403 | 11083 | 90 |
| 20 | 54755 | 43734 | 56266 | 11021 | 80 |
| 30 | 54831 | 43871 | 56129 | 10960 | 70 |
| 40 | 54907 | 44009 | 55991 | 10898 | 60 |
| 50 | 54983 | 44146 | 55854 | 10837 | 50 |
| 60 | 55058 | 44283 | 55717 | 10776 | 40 |
| 70 | 55134 | 44420 | 55580 | 10714 | 30 |
| 80 | 55210 | 44557 | 55443 | 10653 | 20 |
| 90 | 55286 | 44694 | 55306 | 10591 | 10 |
| **67 oo** | 55361 | 44832 | 55168 | 10530 | **33 oo** |
| 10 | 55437 | 44969 | 55031 | 10468 | 90 |
| 20 | 55513 | 45106 | 54894 | 10407 | 80 |
| 30 | 55589 | 45243 | 54757 | 10346 | 70 |
| 40 | 55664 | 45380 | 54620 | 10284 | 60 |
| 50 | 55740 | 45518 | 54482 | 10223 | 50 |
| 60 | 55816 | 45655 | 54345 | 10161 | 40 |
| 70 | 55892 | 45792 | 54208 | 10100 | 30 |
| 80 | 55967 | 45929 | 54071 | 10038 | 20 |
| 90 | 56043 | 46066 | 53934 | 09977 | 10 |
| **68 oo** | 56119 | 46204 | 53796 | 09915 | **32 oo** |
| 10 | 56195 | 46341 | 53659 | 09854 | 90 |
| 20 | 56270 | 46478 | 53522 | 09793 | 80 |
| 30 | 56346 | 46615 | 53385 | 09731 | 70 |
| 40 | 56422 | 46752 | 53248 | 09670 | 60 |
| 50 | 56498 | 46889 | 53111 | 09608 | 50 |
| 60 | 56573 | 47027 | 52973 | 09547 | 40 |
| 70 | 56649 | 47164 | 52836 | 09485 | 30 |
| 80 | 56725 | 47301 | 52699 | 09424 | 20 |
| 90 | 56800 | 47438 | 52562 | 09362 | 10 |
| **69 oo** | 56876 | 47575 | 52425 | 09301 | **31 oo** |
| 10 | 56952 | 47713 | 52287 | 09239 | 90 |
| 20 | 57028 | 47850 | 52150 | 09178 | 80 |
| 30 | 57103 | 47987 | 52013 | 09116 | 70 |
| 40 | 57179 | 48124 | 51876 | 09055 | 60 |
| 50 | 57255 | 48261 | 51739 | 08993 | 50 |
| 60 | 57330 | 48398 | 51602 | 08932 | 40 |
| 70 | 57406 | 48536 | 51464 | 08870 | 30 |
| 80 | 57482 | 48673 | 51327 | 08809 | 20 |
| 90 | 57557 | 48810 | 51190 | 08748 | 10 |
| **70 oo** | 57633 | 48947 | 51053 | 08686 | **30 oo** |
| | **9.82** | **9.95** | **0.04** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 75 | 137 | 137 | 62 | |

| | 138 | 137 | 76 | 75 | 62 | 61 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,6 | 7,5 | 6,2 | 6,1 | 1 |
| 2 | 27,6 | 27,4 | 15,2 | 15,0 | 12,4 | 12,2 | 2 |
| 3 | 41,4 | 41,1 | 22,8 | 22,5 | 18,6 | 18,3 | 3 |
| 4 | 55,2 | 54,8 | 30,4 | 30,0 | 24,8 | 24,4 | 4 |
| 5 | 69,0 | 68,5 | 38,0 | 37,5 | 31,0 | 30,5 | 5 |
| 6 | 82,8 | 82,2 | 45,6 | 45,0 | 37,2 | 36,6 | 6 |
| 7 | 96,6 | 95,9 | 53,2 | 52,5 | 43,4 | 42,7 | 7 |
| 8 | 110,4 | 109,6 | 60,8 | 60,0 | 49,6 | 48,8 | 8 |
| 9 | 124,2 | 123,3 | 68,4 | 67,5 | 55,8 | 54,9 | 9 |

| 46g | 76 | 138 | 138 | 61 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.87** | |
| **70 oo** | 57633 | 48947 | 51053 | 08686 | **30 oo** |
| 10 | 57709 | 49084 | 50916 | 08625 | 90 |
| 20 | 57784 | 49221 | 50779 | 08563 | 80 |
| 30 | 57860 | 49359 | 50641 | 08502 | 70 |
| 40 | 57936 | 49496 | 50504 | 08440 | 60 |
| 50 | 58012 | 49633 | 50367 | 08379 | 50 |
| 60 | 58087 | 49770 | 50230 | 08317 | 40 |
| 70 | 58163 | 49907 | 50093 | 08256 | 30 |
| 80 | 58239 | 50044 | 49956 | 08194 | 20 |
| 90 | 58314 | 50182 | 49818 | 08133 | 10 |
| **71 oo** | 58390 | 50319 | 49681 | 08071 | **29 oo** |
| 10 | 58466 | 50456 | 49544 | 08010 | 90 |
| 20 | 58541 | 50593 | 49407 | 07948 | 80 |
| 30 | 58617 | 50730 | 49270 | 07886 | 70 |
| 40 | 58692 | 50867 | 49133 | 07825 | 60 |
| 50 | 58768 | 51005 | 48995 | 07763 | 50 |
| 60 | 58844 | 51142 | 48858 | 07702 | 40 |
| 70 | 58919 | 51279 | 48721 | 07640 | 30 |
| 80 | 58995 | 51416 | 48584 | 07579 | 20 |
| 90 | 59071 | 51553 | 48447 | 07517 | 10 |
| **72 oo** | 59146 | 51690 | 48310 | 07456 | **28 oo** |
| 10 | 59222 | 51828 | 48172 | 07394 | 90 |
| 20 | 59298 | 51965 | 48035 | 07333 | 80 |
| 30 | 59373 | 52102 | 47898 | 07271 | 70 |
| 40 | 59449 | 52239 | 47761 | 07210 | 60 |
| 50 | 59524 | 52376 | 47624 | 07148 | 50 |
| 60 | 59600 | 52513 | 47487 | 07087 | 40 |
| 70 | 59676 | 52651 | 47349 | 07025 | 30 |
| 80 | 59751 | 52788 | 47212 | 06964 | 20 |
| 90 | 59827 | 52925 | 47075 | 06902 | 10 |
| **73 oo** | 59903 | 53062 | 46938 | 06840 | **27 oo** |
| 10 | 59978 | 53199 | 46801 | 06779 | 90 |
| 20 | 60054 | 53336 | 46664 | 06717 | 80 |
| 30 | 60129 | 53474 | 46526 | 06656 | 70 |
| 40 | 60205 | 53611 | 46389 | 06594 | 60 |
| 50 | 60281 | 53748 | 46252 | 06533 | 50 |
| 60 | 60356 | 53885 | 46115 | 06471 | 40 |
| 70 | 60432 | 54022 | 45978 | 06410 | 30 |
| 80 | 60507 | 54159 | 45841 | 06348 | 20 |
| 90 | 60583 | 54297 | 45703 | 06286 | 10 |
| **74 oo** | 60659 | 54434 | 45566 | 06225 | **26 oo** |
| 10 | 60734 | 54571 | 45429 | 06163 | 90 |
| 20 | 60810 | 54708 | 45292 | 06102 | 80 |
| 30 | 60885 | 54845 | 45155 | 06040 | 70 |
| 40 | 60961 | 54982 | 45018 | 05979 | 60 |
| 50 | 61037 | 55119 | 44881 | 05917 | 50 |
| 60 | 61112 | 55257 | 44743 | 05855 | 40 |
| 70 | 61188 | 55394 | 44606 | 05794 | 30 |
| 80 | 61263 | 55531 | 44469 | 05732 | 20 |
| 90 | 61339 | 55668 | 44332 | 05671 | 10 |
| **75 oo** | 61414 | 55805 | 44195 | 05609 | **25 oo** |
| | **9.82** | **9.95** | **0.04** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 75 | 137 | 137 | 62 | |

| 46g | 76 | 138 | 138 | 61 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.87** | |
| **75 oo** | 61414 | 55805 | 44195 | 05609 | **25 oo** |
| 10 | 61490 | 55942 | 44058 | 05548 | 90 |
| 20 | 61565 | 56080 | 43920 | 05486 | 80 |
| 30 | 61641 | 56217 | 43783 | 05424 | 70 |
| 40 | 61717 | 56354 | 43646 | 05363 | 60 |
| 50 | 61792 | 56491 | 43509 | 05301 | 50 |
| 60 | 61868 | 56628 | 43372 | 05240 | 40 |
| 70 | 61943 | 56765 | 43235 | 05178 | 30 |
| 80 | 62019 | 56902 | 43098 | 05116 | 20 |
| 90 | 62094 | 57040 | 42960 | 05055 | 10 |
| **76 oo** | 62170 | 57177 | 42823 | 04993 | **24 oo** |
| 10 | 62245 | 57314 | 42686 | 04932 | 90 |
| 20 | 62321 | 57451 | 42549 | 04870 | 80 |
| 30 | 62397 | 57588 | 42412 | 04808 | 70 |
| 40 | 62472 | 57725 | 42275 | 04747 | 60 |
| 50 | 62548 | 57862 | 42138 | 04685 | 50 |
| 60 | 62623 | 58000 | 42000 | 04623 | 40 |
| 70 | 62699 | 58137 | 41863 | 04562 | 30 |
| 80 | 62774 | 58274 | 41726 | 04500 | 20 |
| 90 | 62850 | 58411 | 41589 | 04439 | 10 |
| **77 oo** | 62925 | 58548 | 41452 | 04377 | **23 oo** |
| 10 | 63001 | 58685 | 41315 | 04315 | 90 |
| 20 | 63076 | 58822 | 41178 | 04254 | 80 |
| 30 | 63152 | 58960 | 41040 | 04192 | 70 |
| 40 | 63227 | 59097 | 40903 | 04130 | 60 |
| 50 | 63303 | 59234 | 40766 | 04069 | 50 |
| 60 | 63378 | 59371 | 40629 | 04007 | 40 |
| 70 | 63454 | 59508 | 40492 | 03946 | 30 |
| 80 | 63529 | 59645 | 40355 | 03884 | 20 |
| 90 | 63605 | 59782 | 40218 | 03822 | 10 |
| **78 oo** | 63680 | 59920 | 40080 | 03761 | **22 oo** |
| 10 | 63756 | 60057 | 39943 | 03699 | 90 |
| 20 | 63831 | 60194 | 39806 | 03637 | 80 |
| 30 | 63907 | 60331 | 39669 | 03576 | 70 |
| 40 | 63982 | 60468 | 39532 | 03514 | 60 |
| 50 | 64058 | 60605 | 39395 | 03452 | 50 |
| 60 | 64133 | 60742 | 39258 | 03391 | 40 |
| 70 | 64209 | 60880 | 39120 | 03329 | 30 |
| 80 | 64284 | 61017 | 38983 | 03267 | 20 |
| 90 | 64360 | 61154 | 38846 | 03206 | 10 |
| **79 oo** | 64435 | 61291 | 38709 | 03144 | **21 oo** |
| 10 | 64511 | 61428 | 38572 | 03082 | 90 |
| 20 | 64586 | 61565 | 38435 | 03021 | 80 |
| 30 | 64661 | 61702 | 38298 | 02959 | 70 |
| 40 | 64737 | 61840 | 38160 | 02897 | 60 |
| 50 | 64812 | 61977 | 38023 | 02836 | 50 |
| 60 | 64888 | 62114 | 37886 | 02774 | 40 |
| 70 | 64963 | 62251 | 37749 | 02712 | 30 |
| 80 | 65039 | 62388 | 37612 | 02651 | 20 |
| 90 | 65114 | 62525 | 37475 | 02589 | 10 |
| **80 oo** | 65190 | 62662 | 37338 | 02527 | **20 oo** |
| | **9.82** | **9.95** | **0.04** | **9.87** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 75 | 137 | 137 | 62 | |

| | 138 | 137 | 76 | 75 | 62 | 61 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,6 | 7,5 | 6,2 | 6,1 | 1 |
| 2 | 27,6 | 27,4 | 15,2 | 15,0 | 12,4 | 12,2 | 2 |
| 3 | 41,4 | 41,1 | 22,8 | 22,5 | 18,6 | 18,3 | 3 |
| 4 | 55,2 | 54,8 | 30,4 | 30,0 | 24,8 | 24,4 | 4 |
| 5 | 69,0 | 68,5 | 38,0 | 37,5 | 31,0 | 30,5 | 5 |
| 6 | 82,8 | 82,2 | 45,6 | 45,0 | 37,2 | 36,6 | 6 |
| 7 | 96,6 | 95,9 | 53,2 | 52,5 | 43,4 | 42,7 | 7 |
| 8 | 110,4 | 109,6 | 60,8 | 60,0 | 49,6 | 48,8 | 8 |
| 9 | 124,2 | 123,3 | 68,4 | 67,5 | 55,8 | 54,9 | 9 |

| 46g | 76 | 138 | 138 | 61 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.87** | |
| **80 00** | 65190 | 62662 | 37338 | 02527 | **20 00** |
| 10 | 65265 | 62799 | 37201 | 02466 | 90 |
| 20 | 65341 | 62937 | 37063 | 02404 | 80 |
| 30 | 65416 | 63074 | 36926 | 02342 | 70 |
| 40 | 65491 | 63211 | 36789 | 02281 | 60 |
| 50 | 65567 | 63348 | 36652 | 02219 | 50 |
| 60 | 65642 | 63485 | 36515 | 02157 | 40 |
| 70 | 65718 | 63622 | 36378 | 02096 | 30 |
| 80 | 65793 | 63759 | 36241 | 02034 | 20 |
| 90 | 65869 | 63896 | 36104 | 01972 | 10 |
| **81 00** | 65944 | 64034 | 35966 | 01910 | **19 00** |
| 10 | 66019 | 64171 | 35829 | 01849 | 90 |
| 20 | 66095 | 64308 | 35692 | 01787 | 80 |
| 30 | 66170 | 64445 | 35555 | 01725 | 70 |
| 40 | 66246 | 64582 | 35418 | 01664 | 60 |
| 50 | 66321 | 64719 | 35281 | 01602 | 50 |
| 60 | 66397 | 64856 | 35144 | 01540 | 40 |
| 70 | 66472 | 64993 | 35007 | 01478 | 30 |
| 80 | 66547 | 65131 | 34869 | 01417 | 20 |
| 90 | 66623 | 65268 | 34732 | 01355 | 10 |
| **82 00** | 66698 | 65405 | 34595 | 01293 | **18 00** |
| 10 | 66774 | 65542 | 34458 | 01232 | 90 |
| 20 | 66849 | 65679 | 34321 | 01170 | 80 |
| 30 | 66924 | 65816 | 34184 | 01108 | 70 |
| 40 | 67000 | 65953 | 34047 | 01046 | 60 |
| 50 | 67075 | 66090 | 33910 | 00985 | 50 |
| 60 | 67150 | 66228 | 33772 | 00923 | 40 |
| 70 | 67226 | 66365 | 33635 | 00861 | 30 |
| 80 | 67301 | 66502 | 33498 | 00799 | 20 |
| 90 | 67377 | 66639 | 33361 | 00738 | 10 |
| **83 00** | 67452 | 66776 | 33224 | 00676 | **17 00** |
| 10 | 67527 | 66913 | 33087 | 00614 | 90 |
| 20 | 67603 | 67050 | 32950 | 00553 | 80 |
| 30 | 67678 | 67187 | 32813 | 00491 | 70 |
| 40 | 67753 | 67324 | 32676 | 00429 | 60 |
| 50 | 67829 | 67462 | 32538 | 00367 | 50 |
| 60 | 67904 | 67599 | 32401 | 00306 | 40 |
| 70 | 67980 | 67736 | 32264 | 00244 | 30 |
| 80 | 68055 | 67873 | 32127 | 00182 | 20 |
| 90 | 68130 | 68010 | 31990 | 00120 | 10 |
| **84 00** | 68206 | 68147 | 31853 | 00058 | **16 00** |
| 10 | 68281 | 68284 | 31716 | *99997 | 90 |
| 20 | 68356 | 68421 | 31579 | *99935 | 80 |
| 30 | 68432 | 68558 | 31442 | *99873 | 70 |
| 40 | 68507 | 68696 | 31304 | *99811 | 60 |
| 50 | 68582 | 68833 | 31167 | *99750 | 50 |
| 60 | 68658 | 68970 | 31030 | *99688 | 40 |
| 70 | 68733 | 69107 | 30893 | *99626 | 30 |
| 80 | 68808 | 69244 | 30756 | *99564 | 20 |
| 90 | 68884 | 69381 | 30619 | *99503 | 10 |
| **85 00** | 68959 | 69518 | 30482 | *99441 | **15 00** |
| | **9.82** | **9.95** | **0.04** | ***9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 75 | 137 | 137 | 62 | |

| 46g | 76 | 138 | 138 | 61 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.86** | |
| **85 00** | 68959 | 69518 | 30482 | 99441 | **15 00** |
| 10 | 69034 | 69655 | 30345 | 99379 | 90 |
| 20 | 69110 | 69792 | 30208 | 99317 | 80 |
| 30 | 69185 | 69930 | 30070 | 99255 | 70 |
| 40 | 69260 | 70067 | 29933 | 99194 | 60 |
| 50 | 69336 | 70204 | 29796 | 99132 | 50 |
| 60 | 69411 | 70341 | 29659 | 99070 | 40 |
| 70 | 69486 | 70478 | 29522 | 99008 | 30 |
| 80 | 69562 | 70615 | 29385 | 98946 | 20 |
| 90 | 69637 | 70752 | 29248 | 98885 | 10 |
| **86 00** | 69712 | 70889 | 29111 | 98823 | **14 00** |
| 10 | 69787 | 71026 | 28974 | 98761 | 90 |
| 20 | 69863 | 71164 | 28836 | 98699 | 80 |
| 30 | 69938 | 71301 | 28699 | 98637 | 70 |
| 40 | 70013 | 71438 | 28562 | 98576 | 60 |
| 50 | 70089 | 71575 | 28425 | 98514 | 50 |
| 60 | 70164 | 71712 | 28288 | 98452 | 40 |
| 70 | 70239 | 71849 | 28151 | 98390 | 30 |
| 80 | 70315 | 71986 | 28014 | 98328 | 20 |
| 90 | 70390 | 72123 | 27877 | 98267 | 10 |
| **87 00** | 70465 | 72260 | 27740 | 98205 | **13 00** |
| 10 | 70540 | 72397 | 27603 | 98143 | 90 |
| 20 | 70616 | 72535 | 27465 | 98081 | 80 |
| 30 | 70691 | 72672 | 27328 | 98019 | 70 |
| 40 | 70766 | 72809 | 27191 | 97957 | 60 |
| 50 | 70841 | 72946 | 27054 | 97896 | 50 |
| 60 | 70917 | 73083 | 26917 | 97834 | 40 |
| 70 | 70992 | 73220 | 26780 | 97772 | 30 |
| 80 | 71067 | 73357 | 26643 | 97710 | 20 |
| 90 | 71142 | 73494 | 26506 | 97648 | 10 |
| **88 00** | 71218 | 73631 | 26369 | 97586 | **12 00** |
| 10 | 71293 | 73768 | 26232 | 97525 | 90 |
| 20 | 71368 | 73905 | 26095 | 97463 | 80 |
| 30 | 71444 | 74043 | 25957 | 97401 | 70 |
| 40 | 71519 | 74180 | 25820 | 97339 | 60 |
| 50 | 71594 | 74317 | 25683 | 97277 | 50 |
| 60 | 71669 | 74454 | 25546 | 97215 | 40 |
| 70 | 71744 | 74591 | 25409 | 97154 | 30 |
| 80 | 71820 | 74728 | 25272 | 97092 | 20 |
| 90 | 71895 | 74865 | 25135 | 97030 | 10 |
| **89 00** | 71970 | 75002 | 24998 | 96968 | **11 00** |
| 10 | 72045 | 75139 | 24861 | 96906 | 90 |
| 20 | 72121 | 75276 | 24724 | 96844 | 80 |
| 30 | 72196 | 75414 | 24586 | 96782 | 70 |
| 40 | 72271 | 75551 | 24449 | 96720 | 60 |
| 50 | 72346 | 75688 | 24312 | 96659 | 50 |
| 60 | 72422 | 75825 | 24175 | 96597 | 40 |
| 70 | 72497 | 75962 | 24038 | 96535 | 30 |
| 80 | 72572 | 76099 | 23901 | 96473 | 20 |
| 90 | 72647 | 76236 | 23764 | 96411 | 10 |
| **90 00** | 72722 | 76373 | 23627 | 96349 | **10 00** |
| | **9.82** | **9.95** | **0.04** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 75 | 137 | 137 | 62 | |

| | 138 | 137 | 76 | 75 | 62 | 61 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,6 | 7,5 | 6,2 | 6,1 | 1 |
| 2 | 27,6 | 27,4 | 15,2 | 15,0 | 12,4 | 12,2 | 2 |
| 3 | 41,4 | 41,1 | 22,8 | 22,5 | 18,6 | 18,3 | 3 |
| 4 | 55,2 | 54,8 | 30,4 | 30,0 | 24,8 | 24,4 | 4 |
| 5 | 69,0 | 68,5 | 38,0 | 37,5 | 31,0 | 30,5 | 5 |
| 6 | 82,8 | 82,2 | 45,6 | 45,0 | 37,2 | 36,6 | 6 |
| 7 | 96,6 | 95,9 | 53,2 | 52,5 | 43,4 | 42,7 | 7 |
| 8 | 110,4 | 109,6 | 60,8 | 60,0 | 49,6 | 48,8 | 8 |
| 9 | 124,2 | 123,3 | 68,4 | 67,5 | 55,8 | 54,9 | 9 |

| 46g | 76 | 138 | 138 | 61 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.86** | |
| **90 00** | 72722 | 76373 | 23627 | 96349 | **10 00** |
| 10 | 72798 | 76510 | 23490 | 96287 | 90 |
| 20 | 72873 | 76647 | 23353 | 96225 | 80 |
| 30 | 72948 | 76784 | 23216 | 96164 | 70 |
| 40 | 73023 | 76921 | 23079 | 96102 | 60 |
| 50 | 73098 | 77059 | 22941 | 96040 | 50 |
| 60 | 73174 | 77196 | 22804 | 95978 | 40 |
| 70 | 73249 | 77333 | 22667 | 95916 | 30 |
| 80 | 73324 | 77470 | 22530 | 95854 | 20 |
| 90 | 73399 | 77607 | 22393 | 95792 | 10 |
| **91 00** | 73474 | 77744 | 22256 | 95730 | **09 00** |
| 10 | 73550 | 77881 | 22119 | 95668 | 90 |
| 20 | 73625 | 78018 | 21982 | 95607 | 80 |
| 30 | 73700 | 78155 | 21845 | 95545 | 70 |
| 40 | 73775 | 78292 | 21708 | 95483 | 60 |
| 50 | 73850 | 78429 | 21571 | 95421 | 50 |
| 60 | 73925 | 78566 | 21434 | 95359 | 40 |
| 70 | 74001 | 78704 | 21296 | 95297 | 30 |
| 80 | 74076 | 78841 | 21159 | 95235 | 20 |
| 90 | 74151 | 78978 | 21022 | 95173 | 10 |
| **92 00** | 74226 | 79115 | 20885 | 95111 | **08 00** |
| 10 | 74301 | 79252 | 20748 | 95049 | 90 |
| 20 | 74376 | 79389 | 20611 | 94987 | 80 |
| 30 | 74452 | 79526 | 20474 | 94926 | 70 |
| 40 | 74527 | 79663 | 20337 | 94864 | 60 |
| 50 | 74602 | 79800 | 20200 | 94802 | 50 |
| 60 | 74677 | 79937 | 20063 | 94740 | 40 |
| 70 | 74752 | 80074 | 19926 | 94678 | 30 |
| 80 | 74827 | 80211 | 19789 | 94616 | 20 |
| 90 | 74902 | 80348 | 19652 | 94554 | 10 |
| **93 00** | 74978 | 80486 | 19514 | 94492 | **07 00** |
| 10 | 75053 | 80623 | 19377 | 94430 | 90 |
| 20 | 75128 | 80760 | 19240 | 94368 | 80 |
| 30 | 75203 | 80897 | 19103 | 94306 | 70 |
| 40 | 75278 | 81034 | 18966 | 94244 | 60 |
| 50 | 75353 | 81171 | 18829 | 94182 | 50 |
| 60 | 75428 | 81308 | 18692 | 94120 | 40 |
| 70 | 75503 | 81445 | 18555 | 94058 | 30 |
| 80 | 75579 | 81582 | 18418 | 93996 | 20 |
| 90 | 75654 | 81719 | 18281 | 93935 | 10 |
| **94 00** | 75729 | 81856 | 18144 | 93873 | **06 00** |
| 10 | 75804 | 81993 | 18007 | 93811 | 90 |
| 20 | 75879 | 82130 | 17870 | 93749 | 80 |
| 30 | 75954 | 82268 | 17732 | 93687 | 70 |
| 40 | 76029 | 82405 | 17595 | 93625 | 60 |
| 50 | 76104 | 82542 | 17458 | 93563 | 50 |
| 60 | 76179 | 82679 | 17321 | 93501 | 40 |
| 70 | 76255 | 82816 | 17184 | 93439 | 30 |
| 80 | 76330 | 82953 | 17047 | 93377 | 20 |
| 90 | 76405 | 83090 | 16910 | 93315 | 10 |
| **95 00** | 76480 | 83227 | 16773 | 93253 | **05 00** |
| | **9.82** | **9.95** | **0.04** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 75 | 137 | 137 | 62 | |

| 46g | 76 | 138 | 138 | 62 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.86** | |
| **95 00** | 76480 | 83227 | 16773 | 93253 | **05 00** |
| 10 | 76555 | 83364 | 16636 | 93191 | 90 |
| 20 | 76630 | 83501 | 16499 | 93129 | 80 |
| 30 | 76705 | 83638 | 16362 | 93067 | 70 |
| 40 | 76780 | 83775 | 16225 | 93005 | 60 |
| 50 | 76855 | 83912 | 16088 | 92943 | 50 |
| 60 | 76930 | 84049 | 15951 | 92881 | 40 |
| 70 | 77005 | 84186 | 15814 | 92819 | 30 |
| 80 | 77081 | 84323 | 15677 | 92757 | 20 |
| 90 | 77156 | 84461 | 15539 | 92695 | 10 |
| **96 00** | 77231 | 84598 | 15402 | 92633 | **04 00** |
| 10 | 77306 | 84735 | 15265 | 92571 | 90 |
| 20 | 77381 | 84872 | 15128 | 92509 | 80 |
| 30 | 77456 | 85009 | 14991 | 92447 | 70 |
| 40 | 77531 | 85146 | 14854 | 92385 | 60 |
| 50 | 77606 | 85283 | 14717 | 92323 | 50 |
| 60 | 77681 | 85420 | 14580 | 92261 | 40 |
| 70 | 77756 | 85557 | 14443 | 92199 | 30 |
| 80 | 77831 | 85694 | 14306 | 92137 | 20 |
| 90 | 77906 | 85831 | 14169 | 92075 | 10 |
| **97 00** | 77981 | 85968 | 14032 | 92013 | **03 00** |
| 10 | 78056 | 86105 | 13895 | 91951 | 90 |
| 20 | 78131 | 86242 | 13758 | 91889 | 80 |
| 30 | 78206 | 86379 | 13621 | 91827 | 70 |
| 40 | 78281 | 86516 | 13484 | 91765 | 60 |
| 50 | 78356 | 86654 | 13346 | 91703 | 50 |
| 60 | 78431 | 86791 | 13209 | 91641 | 40 |
| 70 | 78506 | 86928 | 13072 | 91579 | 30 |
| 80 | 78581 | 87065 | 12935 | 91517 | 20 |
| 90 | 78656 | 87202 | 12798 | 91455 | 10 |
| **98 00** | 78731 | 87339 | 12661 | 91393 | **02 00** |
| 10 | 78807 | 87476 | 12524 | 91331 | 90 |
| 20 | 78882 | 87613 | 12387 | 91269 | 80 |
| 30 | 78957 | 87750 | 12250 | 91207 | 70 |
| 40 | 79032 | 87887 | 12113 | 91145 | 60 |
| 50 | 79107 | 88024 | 11976 | 91083 | 50 |
| 60 | 79182 | 88161 | 11839 | 91020 | 40 |
| 70 | 79257 | 88298 | 11702 | 90958 | 30 |
| 80 | 79332 | 88435 | 11565 | 90896 | 20 |
| 90 | 79407 | 88572 | 11428 | 90834 | 10 |
| **99 00** | 79482 | 88709 | 11291 | 90772 | **01 00** |
| 10 | 79557 | 88846 | 11154 | 90710 | 90 |
| 20 | 79632 | 88983 | 11017 | 90648 | 80 |
| 30 | 79707 | 89120 | 10880 | 90586 | 70 |
| 40 | 79782 | 89257 | 10743 | 90524 | 60 |
| 50 | 79857 | 89395 | 10605 | 90462 | 50 |
| 60 | 79931 | 89532 | 10468 | 90400 | 40 |
| 70 | 80006 | 89669 | 10331 | 90338 | 30 |
| 80 | 80081 | 89806 | 10194 | 90276 | 20 |
| 90 | 80156 | 89943 | 10057 | 90214 | 10 |
| **100 00** | 80231 | 90080 | 09920 | 90152 | **00 00** |
| | **9.82** | **9.95** | **0.04** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **53g** |
| | 74 | 137 | 137 | 63 | |

| | 138 | 137 | 76 | 75 | 74 | 63 | 62 | 61 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,6 | 7,5 | 7,4 | 6,3 | 6,2 | 6,1 | 1 |
| 2 | 27,6 | 27,4 | 15,2 | 15,0 | 14,8 | 12,6 | 12,4 | 12,2 | 2 |
| 3 | 41,4 | 41,1 | 22,8 | 22,5 | 22,2 | 18,9 | 18,6 | 18,3 | 3 |
| 4 | 55,2 | 54,8 | 30,4 | 30,0 | 29,6 | 25,2 | 24,8 | 24,4 | 4 |
| 5 | 69,0 | 68,5 | 38,0 | 37,5 | 37,0 | 31,5 | 31,0 | 30,5 | 5 |
| 6 | 82,8 | 82,2 | 45,6 | 45,0 | 44,4 | 37,8 | 37,2 | 36,6 | 6 |
| 7 | 96,6 | 95,9 | 53,2 | 52,5 | 51,8 | 44,1 | 43,4 | 42,7 | 7 |
| 8 | 110,4 | 109,6 | 60,8 | 60,0 | 59,2 | 50,4 | 49,6 | 48,8 | 8 |
| 9 | 124,2 | 123,3 | 68,4 | 67,5 | 66,6 | 56,7 | 55,8 | 54,9 | 9 |

| 47g | 75 | 138 | 138 | 62 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.95** | **0.04** | **9.86** | |
| **00 oo** | 80231 | 90080 | 09920 | 90152 | **100 oo** |
| 10 | 80306 | 90217 | 09783 | 90090 | 90 |
| 20 | 80381 | 90354 | 09646 | 90027 | 80 |
| 30 | 80456 | 90491 | 09509 | 89965 | 70 |
| 40 | 80531 | 90628 | 09372 | 89903 | 60 |
| 50 | 80606 | 90765 | 09235 | 89841 | 50 |
| 60 | 80681 | 90902 | 09098 | 89779 | 40 |
| 70 | 80756 | 91039 | 08961 | 89717 | 30 |
| 80 | 80831 | 91176 | 08824 | 89655 | 20 |
| 90 | 80906 | 91313 | 08687 | 89593 | 10 |
| **01 oo** | 80981 | 91450 | 08550 | 89531 | **99 oo** |
| 10 | 81056 | 91587 | 08413 | 89469 | 90 |
| 20 | 81131 | 91724 | 08276 | 89407 | 80 |
| 30 | 81206 | 91861 | 08139 | 89344 | 70 |
| 40 | 81281 | 91998 | 08002 | 89282 | 60 |
| 50 | 81356 | 92135 | 07865 | 89220 | 50 |
| 60 | 81431 | 92272 | 07728 | 89158 | 40 |
| 70 | 81506 | 92410 | 07590 | 89096 | 30 |
| 80 | 81580 | 92547 | 07453 | 89034 | 20 |
| 90 | 81655 | 92684 | 07316 | 88972 | 10 |
| **02 oo** | 81730 | 92821 | 07179 | 88910 | **98 oo** |
| 10 | 81805 | 92958 | 07042 | 88848 | 90 |
| 20 | 81880 | 93095 | 06905 | 88786 | 80 |
| 30 | 81955 | 93232 | 06768 | 88723 | 70 |
| 40 | 82030 | 93369 | 06631 | 88661 | 60 |
| 50 | 82105 | 93506 | 06494 | 88599 | 50 |
| 60 | 82180 | 93643 | 06357 | 88537 | 40 |
| 70 | 82255 | 93780 | 06220 | 88475 | 30 |
| 80 | 82330 | 93917 | 06083 | 88413 | 20 |
| 90 | 82405 | 94054 | 05946 | 88351 | 10 |
| **03 oo** | 82479 | 94191 | 05809 | 88288 | **97 oo** |
| 10 | 82554 | 94328 | 05672 | 88226 | 90 |
| 20 | 82629 | 94465 | 05535 | 88164 | 80 |
| 30 | 82704 | 94602 | 05398 | 88102 | 70 |
| 40 | 82779 | 94739 | 05261 | 88040 | 60 |
| 50 | 82854 | 94876 | 05124 | 87978 | 50 |
| 60 | 82929 | 95013 | 04987 | 87916 | 40 |
| 70 | 83004 | 95150 | 04850 | 87854 | 30 |
| 80 | 83079 | 95287 | 04713 | 87791 | 20 |
| 90 | 83153 | 95424 | 04576 | 87729 | 10 |
| **04 oo** | 83228 | 95561 | 04439 | 87667 | **96 oo** |
| 10 | 83303 | 95698 | 04302 | 87605 | 90 |
| 20 | 83378 | 95835 | 04165 | 87543 | 80 |
| 30 | 83453 | 95972 | 04028 | 87481 | 70 |
| 40 | 83528 | 96109 | 03891 | 87418 | 60 |
| 50 | 83603 | 96246 | 03754 | 87356 | 50 |
| 60 | 83678 | 96383 | 03617 | 87294 | 40 |
| 70 | 83752 | 96520 | 03480 | 87232 | 30 |
| 80 | 83827 | 96658 | 03342 | 87170 | 20 |
| 90 | 83902 | 96795 | 03205 | 87108 | 10 |
| **05 oo** | 83977 | 96932 | 03068 | 87045 | **95 oo** |
| | **9.82** | **9.95** | **0.04** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 74 | 137 | 137 | 63 | **52g** |

| 47g | 75 | 137 | 137 | 62 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | ***9.95** | ***0.04** | **9.86** | |
| **05 oo** | 83977 | *96932 | *03068 | 87045 | **95 oo** |
| 10 | 84052 | *97069 | *02931 | 86983 | 90 |
| 20 | 84127 | *97206 | *02794 | 86921 | 80 |
| 30 | 84202 | *97343 | *02657 | 86859 | 70 |
| 40 | 84276 | *97480 | *02520 | 86797 | 60 |
| 50 | 84351 | *97617 | *02383 | 86735 | 50 |
| 60 | 84426 | *97754 | *02246 | 86672 | 40 |
| 70 | 84501 | *97891 | *02109 | 86610 | 30 |
| 80 | 84576 | *98028 | *01972 | 86548 | 20 |
| 90 | 84651 | *98165 | *01835 | 86486 | 10 |
| **06 oo** | 84725 | *98302 | *01698 | 86424 | **94 oo** |
| 10 | 84800 | *98439 | *01561 | 86361 | 90 |
| 20 | 84875 | *98576 | *01424 | 86299 | 80 |
| 30 | 84950 | *98713 | *01287 | 86237 | 70 |
| 40 | 85025 | *98850 | *01150 | 86175 | 60 |
| 50 | 85100 | *98987 | *01013 | 86113 | 50 |
| 60 | 85174 | *99124 | *00876 | 86050 | 40 |
| 70 | 85249 | *99261 | *00739 | 85988 | 30 |
| 80 | 85324 | *99398 | *00602 | 85926 | 20 |
| 90 | 85399 | *99535 | *00465 | 85864 | 10 |
| **07 oo** | 85474 | *99672 | *00328 | 85802 | **93 oo** |
| 10 | 85548 | *99809 | *00191 | 85739 | 90 |
| 20 | 85623 | *99946 | *00054 | 85677 | 80 |
| 30 | 85698 | 00083 | 99917 | 85615 | 70 |
| 40 | 85773 | 00220 | 99780 | 85553 | 60 |
| 50 | 85848 | 00357 | 99643 | 85491 | 50 |
| 60 | 85922 | 00494 | 99506 | 85428 | 40 |
| 70 | 85997 | 00631 | 99369 | 85366 | 30 |
| 80 | 86072 | 00768 | 99232 | 85304 | 20 |
| 90 | 86147 | 00905 | 99095 | 85242 | 10 |
| **08 oo** | 86222 | 01042 | 98958 | 85179 | **92 oo** |
| 10 | 86296 | 01179 | 98821 | 85117 | 90 |
| 20 | 86371 | 01316 | 98684 | 85055 | 80 |
| 30 | 86446 | 01453 | 98547 | 84993 | 70 |
| 40 | 86521 | 01590 | 98410 | 84930 | 60 |
| 50 | 86595 | 01727 | 98273 | 84868 | 50 |
| 60 | 86670 | 01864 | 98136 | 84806 | 40 |
| 70 | 86745 | 02001 | 97999 | 84744 | 30 |
| 80 | 86820 | 02138 | 97862 | 84681 | 20 |
| 90 | 86894 | 02275 | 97725 | 84619 | 10 |
| **09 oo** | 86969 | 02412 | 97588 | 84557 | **91 oo** |
| 10 | 87044 | 02549 | 97451 | 84495 | 90 |
| 20 | 87119 | 02686 | 97314 | 84432 | 80 |
| 30 | 87194 | 02823 | 97177 | 84370 | 70 |
| 40 | 87268 | 02960 | 97040 | 84308 | 60 |
| 50 | 87343 | 03097 | 96903 | 84246 | 50 |
| 60 | 87418 | 03234 | 96766 | 84183 | 40 |
| 70 | 87493 | 03371 | 96629 | 84121 | 30 |
| 80 | 87567 | 03508 | 96492 | 84059 | 20 |
| 90 | 87642 | 03645 | 96355 | 83997 | 10 |
| **10 oo** | 87717 | 03782 | 96218 | 83934 | **90 oo** |
| | **9.82** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 74 | 137 | 137 | 63 | **52g** |

| | 138 | 137 | 75 | 74 | 63 | 62 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,8 | 13,7 | 7,5 | 7,4 | 6,3 | 6,2 | 1 |
| 2 | 27,6 | 27,4 | 15,0 | 14,8 | 12,6 | 12,4 | 2 |
| 3 | 41,4 | 41,1 | 22,5 | 22,2 | 18,9 | 18,6 | 3 |
| 4 | 55,2 | 54,8 | 30,0 | 29,6 | 25,2 | 24,8 | 4 |
| 5 | 69,0 | 68,5 | 37,5 | 37,0 | 31,5 | 31,0 | 5 |
| 6 | 82,8 | 82,2 | 45,0 | 44,4 | 37,8 | 37,2 | 6 |
| 7 | 96,6 | 95,9 | 52,5 | 51,8 | 44,1 | 43,4 | 7 |
| 8 | 110,4 | 109,6 | 60,0 | 59,2 | 50,4 | 49,6 | 8 |
| 9 | 124,2 | 123,3 | 67,5 | 66,6 | 56,7 | 55,8 | 9 |

| 47g | 75 | 137 | 137 | 62 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.96** | **0.03** | **9.86** | |
| **10 oo** | 87717 | 03782 | 96218 | 83934 | **90 oo** |
| 10 | 87791 | 03919 | 96081 | 83872 | 90 |
| 20 | 87866 | 04056 | 95944 | 83810 | 80 |
| 30 | 87941 | 04193 | 95807 | 83748 | 70 |
| 40 | 88016 | 04330 | 95670 | 83685 | 60 |
| 50 | 88090 | 04467 | 95533 | 83623 | 50 |
| 60 | 88165 | 04604 | 95396 | 83561 | 40 |
| 70 | 88240 | 04741 | 95259 | 83498 | 30 |
| 80 | 88315 | 04878 | 95122 | 83436 | 20 |
| 90 | 88389 | 05015 | 94985 | 83374 | 10 |
| **11 oo** | 88464 | 05152 | 94848 | 83312 | **89 oo** |
| 10 | 88539 | 05289 | 94711 | 83249 | 90 |
| 20 | 88613 | 05426 | 94574 | 83187 | 80 |
| 30 | 88688 | 05563 | 94437 | 83125 | 70 |
| 40 | 88763 | 05700 | 94300 | 83062 | 60 |
| 50 | 88837 | 05837 | 94163 | 83000 | 50 |
| 60 | 88912 | 05974 | 94026 | 82938 | 40 |
| 70 | 88987 | 06111 | 93889 | 82875 | 30 |
| 80 | 89062 | 06248 | 93752 | 82813 | 20 |
| 90 | 89136 | 06385 | 93615 | 82751 | 10 |
| **12 oo** | 89211 | 06522 | 93478 | 82689 | **88 oo** |
| 10 | 89286 | 06659 | 93341 | 82626 | 90 |
| 20 | 89360 | 06796 | 93204 | 82564 | 80 |
| 30 | 89435 | 06933 | 93067 | 82502 | 70 |
| 40 | 89510 | 07070 | 92930 | 82439 | 60 |
| 50 | 89584 | 07207 | 92793 | 82377 | 50 |
| 60 | 89659 | 07344 | 92656 | 82315 | 40 |
| 70 | 89734 | 07481 | 92519 | 82252 | 30 |
| 80 | 89808 | 07618 | 92382 | 82190 | 20 |
| 90 | 89883 | 07755 | 92245 | 82128 | 10 |
| **13 oo** | 89958 | 07892 | 92108 | 82065 | **87 oo** |
| 10 | 90032 | 08029 | 91971 | 82003 | 90 |
| 20 | 90107 | 08166 | 91834 | 81941 | 80 |
| 30 | 90182 | 08303 | 91697 | 81878 | 70 |
| 40 | 90256 | 08440 | 91560 | 81816 | 60 |
| 50 | 90331 | 08577 | 91423 | 81754 | 50 |
| 60 | 90406 | 08714 | 91286 | 81691 | 40 |
| 70 | 90480 | 08851 | 91149 | 81629 | 30 |
| 80 | 90555 | 08988 | 91012 | 81567 | 20 |
| 90 | 90630 | 09125 | 90875 | 81504 | 10 |
| **14 oo** | 90704 | 09262 | 90738 | 81442 | **86 oo** |
| 10 | 90779 | 09399 | 90601 | 81380 | 90 |
| 20 | 90854 | 09536 | 90464 | 81317 | 80 |
| 30 | 90928 | 09673 | 90327 | 81255 | 70 |
| 40 | 91003 | 09810 | 90190 | 81193 | 60 |
| 50 | 91077 | 09947 | 90053 | 81130 | 50 |
| 60 | 91152 | 10084 | 89916 | 81068 | 40 |
| 70 | 91227 | 10221 | 89779 | 81005 | 30 |
| 80 | 91301 | 10358 | 89642 | 80943 | 20 |
| 90 | 91376 | 10495 | 89505 | 80881 | 10 |
| **15 oo** | 91451 | 10632 | 89368 | 80818 | **85 oo** |
| | **9.82** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 74 | 137 | 137 | 63 | |

| 47g | 75 | 137 | 137 | 62 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.96** | **0.03** | **9.86** | |
| **15 oo** | 91451 | 10632 | 89368 | 80818 | **85 oo** |
| 10 | 91525 | 10769 | 89231 | 80756 | 90 |
| 20 | 91600 | 10906 | 89094 | 80694 | 80 |
| 30 | 91674 | 11043 | 88957 | 80631 | 70 |
| 40 | 91749 | 11180 | 88820 | 80569 | 60 |
| 50 | 91824 | 11317 | 88683 | 80507 | 50 |
| 60 | 91898 | 11454 | 88546 | 80444 | 40 |
| 70 | 91973 | 11591 | 88409 | 80382 | 30 |
| 80 | 92047 | 11728 | 88272 | 80319 | 20 |
| 90 | 92122 | 11865 | 88135 | 80257 | 10 |
| **16 oo** | 92197 | 12002 | 87998 | 80195 | **84 oo** |
| 10 | 92271 | 12139 | 87861 | 80132 | 90 |
| 20 | 92346 | 12276 | 87724 | 80070 | 80 |
| 30 | 92420 | 12413 | 87587 | 80007 | 70 |
| 40 | 92495 | 12550 | 87450 | 79945 | 60 |
| 50 | 92570 | 12687 | 87313 | 79883 | 50 |
| 60 | 92644 | 12824 | 87176 | 79820 | 40 |
| 70 | 92719 | 12961 | 87039 | 79758 | 30 |
| 80 | 92793 | 13098 | 86902 | 79695 | 20 |
| 90 | 92868 | 13235 | 86765 | 79633 | 10 |
| **17 oo** | 92942 | 13372 | 86628 | 79571 | **83 oo** |
| 10 | 93017 | 13509 | 86491 | 79508 | 90 |
| 20 | 93092 | 13646 | 86354 | 79446 | 80 |
| 30 | 93166 | 13783 | 86217 | 79383 | 70 |
| 40 | 93241 | 13920 | 86080 | 79321 | 60 |
| 50 | 93315 | 14057 | 85943 | 79259 | 50 |
| 60 | 93390 | 14194 | 85806 | 79196 | 40 |
| 70 | 93464 | 14331 | 85669 | 79134 | 30 |
| 80 | 93539 | 14468 | 85532 | 79071 | 20 |
| 90 | 93613 | 14605 | 85395 | 79009 | 10 |
| **18 oo** | 93688 | 14742 | 85258 | 78946 | **82 oo** |
| 10 | 93763 | 14879 | 85121 | 78884 | 90 |
| 20 | 93837 | 15016 | 84984 | 78822 | 80 |
| 30 | 93912 | 15152 | 84848 | 78759 | 70 |
| 40 | 93986 | 15289 | 84711 | 78697 | 60 |
| 50 | 94061 | 15426 | 84574 | 78634 | 50 |
| 60 | 94135 | 15563 | 84437 | 78572 | 40 |
| 70 | 94210 | 15700 | 84300 | 78509 | 30 |
| 80 | 94284 | 15837 | 84163 | 78447 | 20 |
| 90 | 94359 | 15974 | 84026 | 78385 | 10 |
| **19 oo** | 94433 | 16111 | 83889 | 78322 | **81 oo** |
| 10 | 94508 | 16248 | 83752 | 78260 | 90 |
| 20 | 94582 | 16385 | 83615 | 78197 | 80 |
| 30 | 94657 | 16522 | 83478 | 78135 | 70 |
| 40 | 94731 | 16659 | 83341 | 78072 | 60 |
| 50 | 94806 | 16796 | 83204 | 78010 | 50 |
| 60 | 94880 | 16933 | 83067 | 77947 | 40 |
| 70 | 94955 | 17070 | 82930 | 77885 | 30 |
| 80 | 95029 | 17207 | 82793 | 77822 | 20 |
| 90 | 95104 | 17344 | 82656 | 77760 | 10 |
| **20 oo** | 95178 | 17481 | 82519 | 77697 | **80 oo** |
| | **9.82** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 74 | 136 | 136 | 63 | |

| | 137 | 136 | 75 | 74 | 63 | 62 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,5 | 7,4 | 6,3 | 6,2 | 1 |
| 2 | 27,4 | 27,2 | 15,0 | 14,8 | 12,6 | 12,4 | 2 |
| 3 | 41,1 | 40,8 | 22,5 | 22,2 | 18,9 | 18,6 | 3 |
| 4 | 54,8 | 54,4 | 30,0 | 29,6 | 25,2 | 24,8 | 4 |
| 5 | 68,5 | 68,0 | 37,5 | 37,0 | 31,5 | 31,0 | 5 |
| 6 | 82,2 | 81,6 | 45,0 | 44,4 | 37,8 | 37,2 | 6 |
| 7 | 95,9 | 95,2 | 52,5 | 51,8 | 44,1 | 43,4 | 7 |
| 8 | 109,6 | 108,8 | 60,0 | 59,2 | 50,4 | 49,6 | 8 |
| 9 | 123,3 | 122,4 | 67,5 | 66,6 | 56,7 | 55,8 | 9 |

| 47g | 75 | 137 | 137 | 62 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.82** | **9.96** | **0.03** | **9.86** | |
| **20 oo** | 95178 | 17481 | 82519 | 77697 | **80 oo** |
| 10 | 95253 | 17618 | 82382 | 77635 | 90 |
| 20 | 95327 | 17755 | 82245 | 77573 | 80 |
| 30 | 95402 | 17892 | 82108 | 77510 | 70 |
| 40 | 95476 | 18029 | 81971 | 77448 | 60 |
| 50 | 95551 | 18166 | 81834 | 77385 | 50 |
| 60 | 95625 | 18303 | 81697 | 77323 | 40 |
| 70 | 95700 | 18440 | 81560 | 77260 | 30 |
| 80 | 95774 | 18577 | 81423 | 77198 | 20 |
| 90 | 95849 | 18714 | 81286 | 77135 | 10 |
| **21 oo** | 95923 | 18851 | 81149 | 77073 | **79 oo** |
| 10 | 95998 | 18988 | 81012 | 77010 | 90 |
| 20 | 96072 | 19125 | 80875 | 76948 | 80 |
| 30 | 96147 | 19262 | 80738 | 76885 | 70 |
| 40 | 96221 | 19398 | 80602 | 76823 | 60 |
| 50 | 96296 | 19535 | 80465 | 76760 | 50 |
| 60 | 96370 | 19672 | 80328 | 76698 | 40 |
| 70 | 96445 | 19809 | 80191 | 76635 | 30 |
| 80 | 96519 | 19946 | 80054 | 76573 | 20 |
| 90 | 96594 | 20083 | 79917 | 76510 | 10 |
| **22 oo** | 96668 | 20220 | 79780 | 76448 | **78 oo** |
| 10 | 96742 | 20357 | 79643 | 76385 | 90 |
| 20 | 96817 | 20494 | 79506 | 76323 | 80 |
| 30 | 96891 | 20631 | 79369 | 76260 | 70 |
| 40 | 96966 | 20768 | 79232 | 76198 | 60 |
| 50 | 97040 | 20905 | 79095 | 76135 | 50 |
| 60 | 97115 | 21042 | 78958 | 76073 | 40 |
| 70 | 97189 | 21179 | 78821 | 76010 | 30 |
| 80 | 97264 | 21316 | 78684 | 75948 | 20 |
| 90 | 97338 | 21453 | 78547 | 75885 | 10 |
| **23 oo** | 97412 | 21590 | 78410 | 75823 | **77 oo** |
| 10 | 97487 | 21727 | 78273 | 75760 | 90 |
| 20 | 97561 | 21864 | 78136 | 75698 | 80 |
| 30 | 97636 | 22001 | 77999 | 75635 | 70 |
| 40 | 97710 | 22138 | 77862 | 75572 | 60 |
| 50 | 97785 | 22275 | 77725 | 75510 | 50 |
| 60 | 97859 | 22412 | 77588 | 75447 | 40 |
| 70 | 97933 | 22549 | 77451 | 75385 | 30 |
| 80 | 98008 | 22685 | 77315 | 75322 | 20 |
| 90 | 98082 | 22822 | 77178 | 75260 | 10 |
| **24 oo** | 98157 | 22959 | 77041 | 75197 | **76 oo** |
| 10 | 98231 | 23096 | 76904 | 75135 | 90 |
| 20 | 98305 | 23233 | 76767 | 75072 | 80 |
| 30 | 98380 | 23370 | 76630 | 75010 | 70 |
| 40 | 98454 | 23507 | 76493 | 74947 | 60 |
| 50 | 98529 | 23644 | 76356 | 74884 | 50 |
| 60 | 98603 | 23781 | 76219 | 74822 | 40 |
| 70 | 98677 | 23918 | 76082 | 74759 | 30 |
| 80 | 98752 | 24055 | 75945 | 74697 | 20 |
| 90 | 98826 | 24192 | 75808 | 74634 | 10 |
| **25 oo** | 98901 | 24329 | 75671 | 74572 | **75 oo** |
| | **9.82** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 74 | 136 | 136 | 63 | |

| 47g | 75 | 137 | 137 | 62 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | ∗**9.82** | **9.96** | **0.03** | **9.86** | |
| **25 oo** | ∗98901 | 24329 | 75671 | 74572 | **75 oo** |
| 10 | ∗98975 | 24466 | 75534 | 74509 | 90 |
| 20 | ∗99049 | 24603 | 75397 | 74447 | 80 |
| 30 | ∗99124 | 24740 | 75260 | 74384 | 70 |
| 40 | ∗99198 | 24877 | 75123 | 74321 | 60 |
| 50 | ∗99272 | 25014 | 74986 | 74259 | 50 |
| 60 | ∗99347 | 25151 | 74849 | 74196 | 40 |
| 70 | ∗99421 | 25288 | 74712 | 74134 | 30 |
| 80 | ∗99496 | 25424 | 74576 | 74071 | 20 |
| 90 | ∗99570 | 25561 | 74439 | 74008 | 10 |
| **26 oo** | ∗99644 | 25698 | 74302 | 73946 | **74 oo** |
| 10 | ∗99719 | 25835 | 74165 | 73883 | 90 |
| 20 | ∗99793 | 25972 | 74028 | 73821 | 80 |
| 30 | ∗99867 | 26109 | 73891 | 73758 | 70 |
| 40 | ∗99942 | 26246 | 73754 | 73696 | 60 |
| 50 | 00016 | 26383 | 73617 | 73633 | 50 |
| 60 | 00090 | 26520 | 73480 | 73570 | 40 |
| 70 | 00165 | 26657 | 73343 | 73508 | 30 |
| 80 | 00239 | 26794 | 73206 | 73445 | 20 |
| 90 | 00313 | 26931 | 73069 | 73383 | 10 |
| **27 oo** | 00388 | 27068 | 72932 | 73320 | **73 oo** |
| 10 | 00462 | 27205 | 72795 | 73257 | 90 |
| 20 | 00536 | 27342 | 72658 | 73195 | 80 |
| 30 | 00611 | 27479 | 72521 | 73132 | 70 |
| 40 | 00685 | 27616 | 72384 | 73070 | 60 |
| 50 | 00759 | 27752 | 72248 | 73007 | 50 |
| 60 | 00834 | 27889 | 72111 | 72944 | 40 |
| 70 | 00908 | 28026 | 71974 | 72882 | 30 |
| 80 | 00982 | 28163 | 71837 | 72819 | 20 |
| 90 | 01057 | 28300 | 71700 | 72756 | 10 |
| **28 oo** | 01131 | 28437 | 71563 | 72694 | **72 oo** |
| 10 | 01205 | 28574 | 71426 | 72631 | 90 |
| 20 | 01280 | 28711 | 71289 | 72569 | 80 |
| 30 | 01354 | 28848 | 71152 | 72506 | 70 |
| 40 | 01428 | 28985 | 71015 | 72443 | 60 |
| 50 | 01503 | 29122 | 70878 | 72381 | 50 |
| 60 | 01577 | 29259 | 70741 | 72318 | 40 |
| 70 | 01651 | 29396 | 70604 | 72255 | 30 |
| 80 | 01725 | 29533 | 70467 | 72193 | 20 |
| 90 | 01800 | 29670 | 70330 | 72130 | 10 |
| **29 oo** | 01874 | 29807 | 70193 | 72067 | **71 oo** |
| 10 | 01948 | 29943 | 70057 | 72005 | 90 |
| 20 | 02023 | 30080 | 69920 | 71942 | 80 |
| 30 | 02097 | 30217 | 69783 | 71880 | 70 |
| 40 | 02171 | 30354 | 69646 | 71817 | 60 |
| 50 | 02245 | 30491 | 69509 | 71754 | 50 |
| 60 | 02320 | 30628 | 69372 | 71692 | 40 |
| 70 | 02394 | 30765 | 69235 | 71629 | 30 |
| 80 | 02468 | 30902 | 69098 | 71566 | 20 |
| 90 | 02542 | 31039 | 68961 | 71504 | 10 |
| **30 oo** | 02617 | 31176 | 68824 | 71441 | **70 oo** |
| | **9.83** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 74 | 136 | 136 | 63 | |

| | 137 | 136 | 75 | 74 | 63 | 62 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,5 | 7,4 | 6,3 | 6,2 | 1 |
| 2 | 27,4 | 27,2 | 15,0 | 14,8 | 12,6 | 12,4 | 2 |
| 3 | 41,1 | 40,8 | 22,5 | 22,2 | 18,9 | 18,6 | 3 |
| 4 | 54,8 | 54,4 | 30,0 | 29,6 | 25,2 | 24,8 | 4 |
| 5 | 68,5 | 68,0 | 37,5 | 37,0 | 31,5 | 31,0 | 5 |
| 6 | 82,2 | 81,6 | 45,0 | 44,4 | 37,8 | 37,2 | 6 |
| 7 | 95,9 | 95,2 | 52,5 | 51,8 | 44,1 | 43,4 | 7 |
| 8 | 109,6 | 108,8 | 60,0 | 59,2 | 50,4 | 49,6 | 8 |
| 9 | 123,3 | 122,4 | 67,5 | 66,6 | 56,7 | 55,8 | 9 |

| 47g | 75 | 137 | 137 | 62 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.96** | **0.03** | **9.86** | |
| **30 oo** | 02617 | 31176 | 68824 | 71441 | **70 oo** |
| 10 | 02691 | 31313 | 68687 | 71378 | 90 |
| 20 | 02765 | 31450 | 68550 | 71316 | 80 |
| 30 | 02840 | 31587 | 68413 | 71253 | 70 |
| 40 | 02914 | 31724 | 68276 | 71190 | 60 |
| 50 | 02988 | 31860 | 68140 | 71128 | 50 |
| 60 | 03062 | 31997 | 68003 | 71065 | 40 |
| 70 | 03137 | 32134 | 67866 | 71002 | 30 |
| 80 | 03211 | 32271 | 67729 | 70940 | 20 |
| 90 | 03285 | 32408 | 67592 | 70877 | 10 |
| **31 oo** | 03359 | 32545 | 67455 | 70814 | **69 oo** |
| 10 | 03434 | 32682 | 67318 | 70751 | 90 |
| 20 | 03508 | 32819 | 67181 | 70689 | 80 |
| 30 | 03582 | 32956 | 67044 | 70626 | 70 |
| 40 | 03656 | 33093 | 66907 | 70563 | 60 |
| 50 | 03730 | 33230 | 66770 | 70501 | 50 |
| 60 | 03805 | 33367 | 66633 | 70438 | 40 |
| 70 | 03879 | 33504 | 66496 | 70375 | 30 |
| 80 | 03953 | 33641 | 66359 | 70313 | 20 |
| 90 | 04027 | 33777 | 66223 | 70250 | 10 |
| **32 oo** | 04102 | 33914 | 66086 | 70187 | **68 oo** |
| 10 | 04176 | 34051 | 65949 | 70125 | 90 |
| 20 | 04250 | 34188 | 65812 | 70062 | 80 |
| 30 | 04324 | 34325 | 65675 | 69999 | 70 |
| 40 | 04398 | 34462 | 65538 | 69936 | 60 |
| 50 | 04473 | 34599 | 65401 | 69874 | 50 |
| 60 | 04547 | 34736 | 65264 | 69811 | 40 |
| 70 | 04621 | 34873 | 65127 | 69748 | 30 |
| 80 | 04695 | 35010 | 64990 | 69686 | 20 |
| 90 | 04769 | 35147 | 64853 | 69623 | 10 |
| **33 oo** | 04844 | 35284 | 64716 | 69560 | **67 oo** |
| 10 | 04918 | 35420 | 64580 | 69497 | 90 |
| 20 | 04992 | 35557 | 64443 | 69435 | 80 |
| 30 | 05066 | 35694 | 64306 | 69372 | 70 |
| 40 | 05140 | 35831 | 64169 | 69309 | 60 |
| 50 | 05215 | 35968 | 64032 | 69246 | 50 |
| 60 | 05289 | 36105 | 63895 | 69184 | 40 |
| 70 | 05363 | 36242 | 63758 | 69121 | 30 |
| 80 | 05437 | 36379 | 63621 | 69058 | 20 |
| 90 | 05511 | 36516 | 63484 | 68995 | 10 |
| **34 oo** | 05585 | 36653 | 63347 | 68933 | **66 oo** |
| 10 | 05660 | 36790 | 63210 | 68870 | 90 |
| 20 | 05734 | 36927 | 63073 | 68807 | 80 |
| 30 | 05808 | 37063 | 62937 | 68745 | 70 |
| 40 | 05882 | 37200 | 62800 | 68682 | 60 |
| 50 | 05956 | 37337 | 62663 | 68619 | 50 |
| 60 | 06030 | 37474 | 62526 | 68556 | 40 |
| 70 | 06105 | 37611 | 62389 | 68493 | 30 |
| 80 | 06179 | 37748 | 62252 | 68431 | 20 |
| 90 | 06253 | 37885 | 62115 | 68368 | 10 |
| **35 oo** | 06327 | 38022 | 61978 | 68305 | **65 oo** |
| | **9.83** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 74 | 136 | 136 | 63 | |

| 47g | 75 | 137 | 137 | 62 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.96** | **0.03** | **9.86** | |
| **35 oo** | 06327 | 38022 | 61978 | 68305 | **65 oo** |
| 10 | 06401 | 38159 | 61841 | 68242 | 90 |
| 20 | 06475 | 38296 | 61704 | 68180 | 80 |
| 30 | 06550 | 38433 | 61567 | 68117 | 70 |
| 40 | 06624 | 38570 | 61430 | 68054 | 60 |
| 50 | 06698 | 38706 | 61294 | 67991 | 50 |
| 60 | 06772 | 38843 | 61157 | 67929 | 40 |
| 70 | 06846 | 38980 | 61020 | 67866 | 30 |
| 80 | 06920 | 39117 | 60883 | 67803 | 20 |
| 90 | 06994 | 39254 | 60746 | 67740 | 10 |
| **36 oo** | 07068 | 39391 | 60609 | 67677 | **64 oo** |
| 10 | 07143 | 39528 | 60472 | 67615 | 90 |
| 20 | 07217 | 39665 | 60335 | 67552 | 80 |
| 30 | 07291 | 39802 | 60198 | 67489 | 70 |
| 40 | 07365 | 39939 | 60061 | 67426 | 60 |
| 50 | 07439 | 40076 | 59924 | 67364 | 50 |
| 60 | 07513 | 40212 | 59788 | 67301 | 40 |
| 70 | 07587 | 40349 | 59651 | 67238 | 30 |
| 80 | 07661 | 40486 | 59514 | 67175 | 20 |
| 90 | 07735 | 40623 | 59377 | 67112 | 10 |
| **37 oo** | 07810 | 40760 | 59240 | 67050 | **63 oo** |
| 10 | 07884 | 40897 | 59103 | 66987 | 90 |
| 20 | 07958 | 41034 | 58966 | 66924 | 80 |
| 30 | 08032 | 41171 | 58829 | 66861 | 70 |
| 40 | 08106 | 41308 | 58692 | 66798 | 60 |
| 50 | 08180 | 41445 | 58555 | 66736 | 50 |
| 60 | 08254 | 41581 | 58419 | 66673 | 40 |
| 70 | 08328 | 41718 | 58282 | 66610 | 30 |
| 80 | 08402 | 41855 | 58145 | 66547 | 20 |
| 90 | 08476 | 41992 | 58008 | 66484 | 10 |
| **38 oo** | 08550 | 42129 | 57871 | 66421 | **62 oo** |
| 10 | 08625 | 42266 | 57734 | 66359 | 90 |
| 20 | 08699 | 42403 | 57597 | 66296 | 80 |
| 30 | 08773 | 42540 | 57460 | 66233 | 70 |
| 40 | 08847 | 42677 | 57323 | 66170 | 60 |
| 50 | 08921 | 42814 | 57186 | 66107 | 50 |
| 60 | 08995 | 42950 | 57050 | 66044 | 40 |
| 70 | 09069 | 43087 | 56913 | 65982 | 30 |
| 80 | 09143 | 43224 | 56776 | 65919 | 20 |
| 90 | 09217 | 43361 | 56639 | 65856 | 10 |
| **39 oo** | 09291 | 43498 | 56502 | 65793 | **61 oo** |
| 10 | 09365 | 43635 | 56365 | 65730 | 90 |
| 20 | 09439 | 43772 | 56228 | 65667 | 80 |
| 30 | 09513 | 43909 | 56091 | 65605 | 70 |
| 40 | 09587 | 44046 | 55954 | 65542 | 60 |
| 50 | 09661 | 44183 | 55817 | 65479 | 50 |
| 60 | 09735 | 44319 | 55681 | 65416 | 40 |
| 70 | 09809 | 44456 | 55544 | 65353 | 30 |
| 80 | 09884 | 44593 | 55407 | 65290 | 20 |
| 90 | 09958 | 44730 | 55270 | 65227 | 10 |
| **40 oo** | 10032 | 44867 | 55133 | 65165 | **60 oo** |
| | **9.83** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 74 | 136 | 136 | 63 | |

| | 137 | 136 | 75 | 74 | 63 | 62 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,5 | 7,4 | 6,3 | 6,2 | 1 |
| 2 | 27,4 | 27,2 | 15,0 | 14,8 | 12,6 | 12,4 | 2 |
| 3 | 41,1 | 40,8 | 22,5 | 22,2 | 18,9 | 18,6 | 3 |
| 4 | 54,8 | 54,4 | 30,0 | 29,6 | 25,2 | 24,8 | 4 |
| 5 | 68,5 | 68,0 | 37,5 | 37,0 | 31,5 | 31,0 | 5 |
| 6 | 82,2 | 81,6 | 45,0 | 44,4 | 37,8 | 37,2 | 6 |
| 7 | 95,9 | 95,2 | 52,5 | 51,8 | 44,1 | 43,4 | 7 |
| 8 | 109,6 | 108,8 | 60,0 | 59,2 | 50,4 | 49,6 | 8 |
| 9 | 123,3 | 122,4 | 67,5 | 66,6 | 56,7 | 55,8 | 9 |

| 47g | 74 | 137 | 137 | 62 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.96** | **0.03** | **9.86** | |
| **40 oo** | 10032 | 44867 | 55133 | 65165 | **60 oo** |
| 10 | 10106 | 45004 | 54996 | 65102 | 90 |
| 20 | 10180 | 45141 | 54859 | 65039 | 80 |
| 30 | 10254 | 45278 | 54722 | 64976 | 70 |
| 40 | 10328 | 45415 | 54585 | 64913 | 60 |
| 50 | 10402 | 45551 | 54449 | 64850 | 50 |
| 60 | 10476 | 45688 | 54312 | 64787 | 40 |
| 70 | 10550 | 45825 | 54175 | 64724 | 30 |
| 80 | 10624 | 45962 | 54038 | 64662 | 20 |
| 90 | 10698 | 46099 | 53901 | 64599 | 10 |
| **41 oo** | 10772 | 46236 | 53764 | 64536 | **59 oo** |
| 10 | 10846 | 46373 | 53627 | 64473 | 90 |
| 20 | 10920 | 46510 | 53490 | 64410 | 80 |
| 30 | 10994 | 46647 | 53353 | 64347 | 70 |
| 40 | 11068 | 46784 | 53216 | 64284 | 60 |
| 50 | 11142 | 46920 | 53080 | 64221 | 50 |
| 60 | 11216 | 47057 | 52943 | 64159 | 40 |
| 70 | 11290 | 47194 | 52806 | 64096 | 30 |
| 80 | 11364 | 47331 | 52669 | 64033 | 20 |
| 90 | 11438 | 47468 | 52532 | 63970 | 10 |
| **42 oo** | 11512 | 47605 | 52395 | 63907 | **58 oo** |
| 10 | 11586 | 47742 | 52258 | 63844 | 90 |
| 20 | 11660 | 47879 | 52121 | 63781 | 80 |
| 30 | 11734 | 48015 | 51985 | 63718 | 70 |
| 40 | 11808 | 48152 | 51848 | 63655 | 60 |
| 50 | 11882 | 48289 | 51711 | 63592 | 50 |
| 60 | 11956 | 48426 | 51574 | 63529 | 40 |
| 70 | 12030 | 48563 | 51437 | 63467 | 30 |
| 80 | 12104 | 48700 | 51300 | 63404 | 20 |
| 90 | 12178 | 48837 | 51163 | 63341 | 10 |
| **43 oo** | 12251 | 48974 | 51026 | 63278 | **57 oo** |
| 10 | 12325 | 49111 | 50889 | 63215 | 90 |
| 20 | 12399 | 49247 | 50753 | 63152 | 80 |
| 30 | 12473 | 49384 | 50616 | 63089 | 70 |
| 40 | 12547 | 49521 | 50479 | 63026 | 60 |
| 50 | 12621 | 49658 | 50342 | 62963 | 50 |
| 60 | 12695 | 49795 | 50205 | 62900 | 40 |
| 70 | 12769 | 49932 | 50068 | 62837 | 30 |
| 80 | 12843 | 50069 | 49931 | 62774 | 20 |
| 90 | 12917 | 50206 | 49794 | 62711 | 10 |
| **44 oo** | 12991 | 50343 | 49657 | 62648 | **56 oo** |
| 10 | 13065 | 50479 | 49521 | 62586 | 90 |
| 20 | 13139 | 50616 | 49384 | 62523 | 80 |
| 30 | 13213 | 50753 | 49247 | 62460 | 70 |
| 40 | 13287 | 50890 | 49110 | 62397 | 60 |
| 50 | 13361 | 51027 | 48973 | 62334 | 50 |
| 60 | 13435 | 51164 | 48836 | 62271 | 40 |
| 70 | 13509 | 51301 | 48699 | 62208 | 30 |
| 80 | 13582 | 51438 | 48562 | 62145 | 20 |
| 90 | 13656 | 51574 | 48426 | 62082 | 10 |
| **45 oo** | 13730 | 51711 | 48289 | 62019 | **55 oo** |
| | **9.83** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 73 | 136 | 136 | 63 | |

| 47g | 74 | 137 | 137 | 63 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.96** | **0.03** | **9.86** | |
| **45 oo** | 13730 | 51711 | 48289 | 62019 | **55 oo** |
| 10 | 13804 | 51848 | 48152 | 61956 | 90 |
| 20 | 13878 | 51985 | 48015 | 61893 | 80 |
| 30 | 13952 | 52122 | 47878 | 61830 | 70 |
| 40 | 14026 | 52259 | 47741 | 61767 | 60 |
| 50 | 14100 | 52396 | 47604 | 61704 | 50 |
| 60 | 14174 | 52533 | 47467 | 61641 | 40 |
| 70 | 14248 | 52669 | 47331 | 61578 | 30 |
| 80 | 14322 | 52806 | 47194 | 61515 | 20 |
| 90 | 14395 | 52943 | 47057 | 61452 | 10 |
| **46 oo** | 14469 | 53080 | 46920 | 61389 | **54 oo** |
| 10 | 14543 | 53217 | 46783 | 61326 | 90 |
| 20 | 14617 | 53354 | 46646 | 61263 | 80 |
| 30 | 14691 | 53491 | 46509 | 61200 | 70 |
| 40 | 14765 | 53628 | 46372 | 61137 | 60 |
| 50 | 14839 | 53764 | 46236 | 61074 | 50 |
| 60 | 14913 | 53901 | 46099 | 61011 | 40 |
| 70 | 14986 | 54038 | 45962 | 60948 | 30 |
| 80 | 15060 | 54175 | 45825 | 60885 | 20 |
| 90 | 15134 | 54312 | 45688 | 60822 | 10 |
| **47 oo** | 15208 | 54449 | 45551 | 60759 | **53 oo** |
| 10 | 15282 | 54586 | 45414 | 60696 | 90 |
| 20 | 15356 | 54722 | 45278 | 60633 | 80 |
| 30 | 15430 | 54859 | 45141 | 60570 | 70 |
| 40 | 15504 | 54996 | 45004 | 60507 | 60 |
| 50 | 15577 | 55133 | 44867 | 60444 | 50 |
| 60 | 15651 | 55270 | 44730 | 60381 | 40 |
| 70 | 15725 | 55407 | 44593 | 60318 | 30 |
| 80 | 15799 | 55544 | 44456 | 60255 | 20 |
| 90 | 15873 | 55681 | 44319 | 60192 | 10 |
| **48 oo** | 15947 | 55817 | 44183 | 60129 | **52 oo** |
| 10 | 16021 | 55954 | 44046 | 60066 | 90 |
| 20 | 16094 | 56091 | 43909 | 60003 | 80 |
| 30 | 16168 | 56228 | 43772 | 59940 | 70 |
| 40 | 16242 | 56365 | 43635 | 59877 | 60 |
| 50 | 16316 | 56502 | 43498 | 59814 | 50 |
| 60 | 16390 | 56639 | 43361 | 59751 | 40 |
| 70 | 16464 | 56775 | 43225 | 59688 | 30 |
| 80 | 16537 | 56912 | 43088 | 59625 | 20 |
| 90 | 16611 | 57049 | 42951 | 59562 | 10 |
| **49 oo** | 16685 | 57186 | 42814 | 59499 | **51 oo** |
| 10 | 16759 | 57323 | 42677 | 59436 | 90 |
| 20 | 16833 | 57460 | 42540 | 59373 | 80 |
| 30 | 16906 | 57597 | 42403 | 59310 | 70 |
| 40 | 16980 | 57734 | 42266 | 59247 | 60 |
| 50 | 17054 | 57870 | 42130 | 59184 | 50 |
| 60 | 17128 | 58007 | 41993 | 59121 | 40 |
| 70 | 17202 | 58144 | 41856 | 59058 | 30 |
| 80 | 17276 | 58281 | 41719 | 58995 | 20 |
| 90 | 17349 | 58418 | 41582 | 58931 | 10 |
| **50 oo** | 17423 | 58555 | 41445 | 58868 | **50 oo** |
| | **9.83** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 73 | 136 | 136 | 64 | |

| | 137 | 136 | 74 | 73 | 64 | 63 | 62 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,4 | 7,3 | 6,4 | 6,3 | 6,2 | 1 |
| 2 | 27,4 | 27,2 | 14,8 | 14,6 | 12,8 | 12,6 | 12,4 | 2 |
| 3 | 41,1 | 40,8 | 22,2 | 21,9 | 19,2 | 18,9 | 18,6 | 3 |
| 4 | 54,8 | 54,4 | 29,6 | 29,2 | 25,6 | 25,2 | 24,8 | 4 |
| 5 | 68,5 | 68,0 | 37,0 | 36,5 | 32,0 | 31,5 | 31,0 | 5 |
| 6 | 82,2 | 81,6 | 44,4 | 43,8 | 38,4 | 37,8 | 37,2 | 6 |
| 7 | 95,9 | 95,2 | 51,8 | 51,1 | 44,8 | 44,1 | 43,4 | 7 |
| 8 | 109,6 | 108,8 | 59,2 | 58,4 | 51,2 | 50,4 | 49,6 | 8 |
| 9 | 123,3 | 122,4 | 66,6 | 65,7 | 57,6 | 56,7 | 55,8 | 9 |

| 47g | 74 | 137 | 137 | 63 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.96** | **0.03** | **9.86** | |
| **50 oo** | 17423 | 58555 | 41445 | 58868 | **50 oo** |
| 10 | 17497 | 58692 | 41308 | 58805 | 90 |
| 20 | 17571 | 58828 | 41172 | 58742 | 80 |
| 30 | 17644 | 58965 | 41035 | 58679 | 70 |
| 40 | 17718 | 59102 | 40898 | 58616 | 60 |
| 50 | 17792 | 59239 | 40761 | 58553 | 50 |
| 60 | 17866 | 59376 | 40624 | 58490 | 40 |
| 70 | 17940 | 59513 | 40487 | 58427 | 30 |
| 80 | 18013 | 59650 | 40350 | 58364 | 20 |
| 90 | 18087 | 59786 | 40214 | 58301 | 10 |
| **51 oo** | 18161 | 59923 | 40077 | 58238 | **49 oo** |
| 10 | 18235 | 60060 | 39940 | 58175 | 90 |
| 20 | 18309 | 60197 | 39803 | 58112 | 80 |
| 30 | 18382 | 60334 | 39666 | 58048 | 70 |
| 40 | 18456 | 60471 | 39529 | 57985 | 60 |
| 50 | 18530 | 60608 | 39392 | 57922 | 50 |
| 60 | 18604 | 60744 | 39256 | 57859 | 40 |
| 70 | 18677 | 60881 | 39119 | 57796 | 30 |
| 80 | 18751 | 61018 | 38982 | 57733 | 20 |
| 90 | 18825 | 61155 | 38845 | 57670 | 10 |
| **52 oo** | 18899 | 61292 | 38708 | 57607 | **48 oo** |
| 10 | 18972 | 61429 | 38571 | 57544 | 90 |
| 20 | 19046 | 61566 | 38434 | 57481 | 80 |
| 30 | 19120 | 61702 | 38298 | 57417 | 70 |
| 40 | 19194 | 61839 | 38161 | 57354 | 60 |
| 50 | 19267 | 61976 | 38024 | 57291 | 50 |
| 60 | 19341 | 62113 | 37887 | 57228 | 40 |
| 70 | 19415 | 62250 | 37750 | 57165 | 30 |
| 80 | 19489 | 62387 | 37613 | 57102 | 20 |
| 90 | 19562 | 62523 | 37477 | 57039 | 10 |
| **53 oo** | 19636 | 62660 | 37340 | 56976 | **47 oo** |
| 10 | 19710 | 62797 | 37203 | 56913 | 90 |
| 20 | 19783 | 62934 | 37066 | 56849 | 80 |
| 30 | 19857 | 63071 | 36929 | 56786 | 70 |
| 40 | 19931 | 63208 | 36792 | 56723 | 60 |
| 50 | 20005 | 63345 | 36655 | 56660 | 50 |
| 60 | 20078 | 63481 | 36519 | 56597 | 40 |
| 70 | 20152 | 63618 | 36382 | 56534 | 30 |
| 80 | 20226 | 63755 | 36245 | 56471 | 20 |
| 90 | 20299 | 63892 | 36108 | 56408 | 10 |
| **54 oo** | 20373 | 64029 | 35971 | 56344 | **46 oo** |
| 10 | 20447 | 64166 | 35834 | 56281 | 90 |
| 20 | 20521 | 64302 | 35698 | 56218 | 80 |
| 30 | 20594 | 64439 | 35561 | 56155 | 70 |
| 40 | 20668 | 64576 | 35424 | 56092 | 60 |
| 50 | 20742 | 64713 | 35287 | 56029 | 50 |
| 60 | 20815 | 64850 | 35150 | 55966 | 40 |
| 70 | 20889 | 64987 | 35013 | 55902 | 30 |
| 80 | 20963 | 65124 | 34876 | 55839 | 20 |
| 90 | 21036 | 65260 | 34740 | 55776 | 10 |
| **55 oo** | 21110 | 65397 | 34603 | 55713 | **45 oo** |
| | **9.83** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 73 | 136 | 136 | 64 | **52g** |

| 47g | 74 | 137 | 137 | 63 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.96** | **0.03** | **9.86** | |
| **55 oo** | 21110 | 65397 | 34603 | 55713 | **45 oo** |
| 10 | 21184 | 65534 | 34466 | 55650 | 90 |
| 20 | 21257 | 65671 | 34329 | 55587 | 80 |
| 30 | 21331 | 65808 | 34192 | 55523 | 70 |
| 40 | 21405 | 65945 | 34055 | 55460 | 60 |
| 50 | 21479 | 66081 | 33919 | 55397 | 50 |
| 60 | 21552 | 66218 | 33782 | 55334 | 40 |
| 70 | 21626 | 66355 | 33645 | 55271 | 30 |
| 80 | 21700 | 66492 | 33508 | 55208 | 20 |
| 90 | 21773 | 66629 | 33371 | 55144 | 10 |
| **56 oo** | 21847 | 66766 | 33234 | 55081 | **44 oo** |
| 10 | 21921 | 66903 | 33097 | 55018 | 90 |
| 20 | 21994 | 67039 | 32961 | 54955 | 80 |
| 30 | 22068 | 67176 | 32824 | 54892 | 70 |
| 40 | 22141 | 67313 | 32687 | 54828 | 60 |
| 50 | 22215 | 67450 | 32550 | 54765 | 50 |
| 60 | 22289 | 67587 | 32413 | 54702 | 40 |
| 70 | 22362 | 67724 | 32276 | 54639 | 30 |
| 80 | 22436 | 67860 | 32140 | 54576 | 20 |
| 90 | 22510 | 67997 | 32003 | 54512 | 10 |
| **57 oo** | 22583 | 68134 | 31866 | 54449 | **43 oo** |
| 10 | 22657 | 68271 | 31729 | 54386 | 90 |
| 20 | 22731 | 68408 | 31592 | 54323 | 80 |
| 30 | 22804 | 68545 | 31455 | 54260 | 70 |
| 40 | 22878 | 68681 | 31319 | 54196 | 60 |
| 50 | 22951 | 68818 | 31182 | 54133 | 50 |
| 60 | 23025 | 68955 | 31045 | 54070 | 40 |
| 70 | 23099 | 69092 | 30908 | 54007 | 30 |
| 80 | 23172 | 69229 | 30771 | 53944 | 20 |
| 90 | 23246 | 69366 | 30634 | 53880 | 10 |
| **58 oo** | 23320 | 69502 | 30498 | 53817 | **42 oo** |
| 10 | 23393 | 69639 | 30361 | 53754 | 90 |
| 20 | 23467 | 69776 | 30224 | 53691 | 80 |
| 30 | 23540 | 69913 | 30087 | 53628 | 70 |
| 40 | 23614 | 70050 | 29950 | 53564 | 60 |
| 50 | 23688 | 70187 | 29813 | 53501 | 50 |
| 60 | 23761 | 70323 | 29677 | 53438 | 40 |
| 70 | 23835 | 70460 | 29540 | 53375 | 30 |
| 80 | 23908 | 70597 | 29403 | 53311 | 20 |
| 90 | 23982 | 70734 | 29266 | 53248 | 10 |
| **59 oo** | 24056 | 70871 | 29129 | 53185 | **41 oo** |
| 10 | 24129 | 71008 | 28992 | 53122 | 90 |
| 20 | 24203 | 71144 | 28856 | 53058 | 80 |
| 30 | 24276 | 71281 | 28719 | 52995 | 70 |
| 40 | 24350 | 71418 | 28582 | 52932 | 60 |
| 50 | 24423 | 71555 | 28445 | 52869 | 50 |
| 60 | 24497 | 71692 | 28308 | 52805 | 40 |
| 70 | 24571 | 71828 | 28172 | 52742 | 30 |
| 80 | 24644 | 71965 | 28035 | 52679 | 20 |
| 90 | 24718 | 72102 | 27898 | 52616 | 10 |
| **60 oo** | 24791 | 72239 | 27761 | 52552 | **40 oo** |
| | **9.83** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 73 | 136 | 136 | 64 | **52g** |

| | 137 | 136 | 74 | 73 | 64 | 63 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,4 | 7,3 | 6,4 | 6,3 | 1 |
| 2 | 27,4 | 27,2 | 14,8 | 14,6 | 12,8 | 12,6 | 2 |
| 3 | 41,1 | 40,8 | 22,2 | 21,9 | 19,2 | 18,9 | 3 |
| 4 | 54,8 | 54,4 | 29,6 | 29,2 | 25,6 | 25,2 | 4 |
| 5 | 68,5 | 68,0 | 37,0 | 36,5 | 32,0 | 31,5 | 5 |
| 6 | 82,2 | 81,6 | 44,4 | 43,8 | 38,4 | 37,8 | 6 |
| 7 | 95,9 | 95,2 | 51,8 | 51,1 | 44,8 | 44,1 | 7 |
| 8 | 109,6 | 108,8 | 59,2 | 58,4 | 51,2 | 50,4 | 8 |
| 9 | 123,3 | 122,4 | 66,6 | 65,7 | 57,6 | 56,7 | 9 |

| 47g | 74 | 137 | 137 | 63 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.96** | **0.03** | **9.86** | |
| **60 oo** | 24791 | 72239 | 27761 | 52552 | **40 oo** |
| 10 | 24865 | 72376 | 27624 | 52489 | 90 |
| 20 | 24938 | 72513 | 27487 | 52426 | 80 |
| 30 | 25012 | 72649 | 27351 | 52363 | 70 |
| 40 | 25086 | 72786 | 27214 | 52299 | 60 |
| 50 | 25159 | 72923 | 27077 | 52236 | 50 |
| 60 | 25233 | 73060 | 26940 | 52173 | 40 |
| 70 | 25306 | 73197 | 26803 | 52110 | 30 |
| 80 | 25380 | 73334 | 26666 | 52046 | 20 |
| 90 | 25453 | 73470 | 26530 | 51983 | 10 |
| **61 oo** | 25527 | 73607 | 26393 | 51920 | **39 oo** |
| 10 | 25600 | 73744 | 26256 | 51856 | 90 |
| 20 | 25674 | 73881 | 26119 | 51793 | 80 |
| 30 | 25748 | 74018 | 25982 | 51730 | 70 |
| 40 | 25821 | 74155 | 25845 | 51667 | 60 |
| 50 | 25895 | 74291 | 25709 | 51603 | 50 |
| 60 | 25968 | 74428 | 25572 | 51540 | 40 |
| 70 | 26042 | 74565 | 25435 | 51477 | 30 |
| 80 | 26115 | 74702 | 25298 | 51413 | 20 |
| 90 | 26189 | 74839 | 25161 | 51350 | 10 |
| **62 oo** | 26262 | 74975 | 25025 | 51287 | **38 oo** |
| 10 | 26336 | 75112 | 24888 | 51223 | 90 |
| 20 | 26409 | 75249 | 24751 | 51160 | 80 |
| 30 | 26483 | 75386 | 24614 | 51097 | 70 |
| 40 | 26556 | 75523 | 24477 | 51034 | 60 |
| 50 | 26630 | 75660 | 24340 | 50970 | 50 |
| 60 | 26703 | 75796 | 24204 | 50907 | 40 |
| 70 | 26777 | 75933 | 24067 | 50844 | 30 |
| 80 | 26850 | 76070 | 23930 | 50780 | 20 |
| 90 | 26924 | 76207 | 23793 | 50717 | 10 |
| **63 oo** | 26997 | 76344 | 23656 | 50654 | **37 oo** |
| 10 | 27071 | 76480 | 23520 | 50590 | 90 |
| 20 | 27144 | 76617 | 23383 | 50527 | 80 |
| 30 | 27218 | 76754 | 23246 | 50464 | 70 |
| 40 | 27291 | 76891 | 23109 | 50400 | 60 |
| 50 | 27365 | 77028 | 22972 | 50337 | 50 |
| 60 | 27438 | 77165 | 22835 | 50274 | 40 |
| 70 | 27512 | 77301 | 22699 | 50210 | 30 |
| 80 | 27585 | 77438 | 22562 | 50147 | 20 |
| 90 | 27659 | 77575 | 22425 | 50084 | 10 |
| **64 oo** | 27732 | 77712 | 22288 | 50020 | **36 oo** |
| 10 | 27806 | 77849 | 22151 | 49957 | 90 |
| 20 | 27879 | 77985 | 22015 | 49894 | 80 |
| 30 | 27953 | 78122 | 21878 | 49830 | 70 |
| 40 | 28026 | 78259 | 21741 | 49767 | 60 |
| 50 | 28100 | 78396 | 21604 | 49704 | 50 |
| 60 | 28173 | 78533 | 21467 | 49640 | 40 |
| 70 | 28246 | 78669 | 21331 | 49577 | 30 |
| 80 | 28320 | 78806 | 21194 | 49514 | 20 |
| 90 | 28393 | 78943 | 21057 | 49450 | 10 |
| **65 oo** | 28467 | 79080 | 20920 | 49387 | **35 oo** |
| | **9.83** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 73 | 136 | 136 | 64 | |

| 47g | 74 | 137 | 137 | 63 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.96** | **0.03** | **9.86** | |
| **65 oo** | 28467 | 79080 | 20920 | 49387 | **35 oo** |
| 10 | 28540 | 79217 | 20783 | 49324 | 90 |
| 20 | 28614 | 79354 | 20646 | 49260 | 80 |
| 30 | 28687 | 79490 | 20510 | 49197 | 70 |
| 40 | 28761 | 79627 | 20373 | 49133 | 60 |
| 50 | 28834 | 79764 | 20236 | 49070 | 50 |
| 60 | 28907 | 79901 | 20099 | 49007 | 40 |
| 70 | 28981 | 80038 | 19962 | 48943 | 30 |
| 80 | 29054 | 80174 | 19826 | 48880 | 20 |
| 90 | 29128 | 80311 | 19689 | 48817 | 10 |
| **66 oo** | 29201 | 80448 | 19552 | 48753 | **34 oo** |
| 10 | 29275 | 80585 | 19415 | 48690 | 90 |
| 20 | 29348 | 80722 | 19278 | 48626 | 80 |
| 30 | 29421 | 80858 | 19142 | 48563 | 70 |
| 40 | 29495 | 80995 | 19005 | 48500 | 60 |
| 50 | 29568 | 81132 | 18868 | 48436 | 50 |
| 60 | 29642 | 81269 | 18731 | 48373 | 40 |
| 70 | 29715 | 81406 | 18594 | 48309 | 30 |
| 80 | 29789 | 81542 | 18458 | 48246 | 20 |
| 90 | 29862 | 81679 | 18321 | 48183 | 10 |
| **67 oo** | 29935 | 81816 | 18184 | 48119 | **33 oo** |
| 10 | 30009 | 81953 | 18047 | 48056 | 90 |
| 20 | 30082 | 82090 | 17910 | 47993 | 80 |
| 30 | 30156 | 82226 | 17774 | 47929 | 70 |
| 40 | 30229 | 82363 | 17637 | 47866 | 60 |
| 50 | 30302 | 82500 | 17500 | 47802 | 50 |
| 60 | 30376 | 82637 | 17363 | 47739 | 40 |
| 70 | 30449 | 82774 | 17226 | 47675 | 30 |
| 80 | 30523 | 82910 | 17090 | 47612 | 20 |
| 90 | 30596 | 83047 | 16953 | 47549 | 10 |
| **68 oo** | 30669 | 83184 | 16816 | 47485 | **32 oo** |
| 10 | 30743 | 83321 | 16679 | 47422 | 90 |
| 20 | 30816 | 83458 | 16542 | 47358 | 80 |
| 30 | 30889 | 83594 | 16406 | 47295 | 70 |
| 40 | 30963 | 83731 | 16269 | 47232 | 60 |
| 50 | 31036 | 83868 | 16132 | 47168 | 50 |
| 60 | 31110 | 84005 | 15995 | 47105 | 40 |
| 70 | 31183 | 84142 | 15858 | 47041 | 30 |
| 80 | 31256 | 84278 | 15722 | 46978 | 20 |
| 90 | 31330 | 84415 | 15585 | 46914 | 10 |
| **69 oo** | 31403 | 84552 | 15448 | 46851 | **31 oo** |
| 10 | 31476 | 84689 | 15311 | 46787 | 90 |
| 20 | 31550 | 84826 | 15174 | 46724 | 80 |
| 30 | 31623 | 84962 | 15038 | 46661 | 70 |
| 40 | 31696 | 85099 | 14901 | 46597 | 60 |
| 50 | 31770 | 85236 | 14764 | 46534 | 50 |
| 60 | 31843 | 85373 | 14627 | 46470 | 40 |
| 70 | 31916 | 85510 | 14490 | 46407 | 30 |
| 80 | 31990 | 85646 | 14354 | 46343 | 20 |
| 90 | 32063 | 85783 | 14217 | 46280 | 10 |
| **70 oo** | 32136 | 85920 | 14080 | 46216 | **30 oo** |
| | **9.83** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 73 | 136 | 136 | 64 | |

| | 137 | 136 | 74 | 73 | 64 | 63 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,4 | 7,3 | 6,4 | 6,3 | 1 |
| 2 | 27,4 | 27,2 | 14,8 | 14,6 | 12,8 | 12,6 | 2 |
| 3 | 41,1 | 40,8 | 22,2 | 21,9 | 19,2 | 18,9 | 3 |
| 4 | 54,8 | 54,4 | 29,6 | 29,2 | 25,6 | 25,2 | 4 |
| 5 | 68,5 | 68,0 | 37,0 | 36,5 | 32,0 | 31,5 | 5 |
| 6 | 82,2 | 81,6 | 44,4 | 43,8 | 38,4 | 37,8 | 6 |
| 7 | 95,9 | 95,2 | 51,8 | 51,1 | 44,8 | 44,1 | 7 |
| 8 | 109,6 | 108,8 | 59,2 | 58,4 | 51,2 | 50,4 | 8 |
| 9 | 123,3 | 122,4 | 66,6 | 65,7 | 57,6 | 56,7 | 9 |

| 47g | 74 | 137 | 137 | 63 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.96** | **0.03** | **9.86** | |
| **70 oo** | 32136 | 85920 | 14080 | 46216 | **30 oo** |
| 10 | 32210 | 86057 | 13943 | 46153 | 90 |
| 20 | 32283 | 86194 | 13806 | 46089 | 80 |
| 30 | 32356 | 86330 | 13670 | 46026 | 70 |
| 40 | 32430 | 86467 | 13533 | 45963 | 60 |
| 50 | 32503 | 86604 | 13396 | 45899 | 50 |
| 60 | 32576 | 86741 | 13259 | 45836 | 40 |
| 70 | 32650 | 86878 | 13122 | 45772 | 30 |
| 80 | 32723 | 87014 | 12986 | 45709 | 20 |
| 90 | 32796 | 87151 | 12849 | 45645 | 10 |
| **71 oo** | 32870 | 87288 | 12712 | 45582 | **29 oo** |
| 10 | 32943 | 87425 | 12575 | 45518 | 90 |
| 20 | 33016 | 87562 | 12438 | 45455 | 80 |
| 30 | 33090 | 87698 | 12302 | 45391 | 70 |
| 40 | 33163 | 87835 | 12165 | 45328 | 60 |
| 50 | 33236 | 87972 | 12028 | 45264 | 50 |
| 60 | 33310 | 88109 | 11891 | 45201 | 40 |
| 70 | 33383 | 88245 | 11755 | 45137 | 30 |
| 80 | 33456 | 88382 | 11618 | 45074 | 20 |
| 90 | 33529 | 88519 | 11481 | 45010 | 10 |
| **72 oo** | 33603 | 88656 | 11344 | 44947 | **28 oo** |
| 10 | 33676 | 88793 | 11207 | 44883 | 90 |
| 20 | 33749 | 88929 | 11071 | 44820 | 80 |
| 30 | 33823 | 89066 | 10934 | 44756 | 70 |
| 40 | 33896 | 89203 | 10797 | 44693 | 60 |
| 50 | 33969 | 89340 | 10660 | 44629 | 50 |
| 60 | 34042 | 89477 | 10523 | 44566 | 40 |
| 70 | 34116 | 89613 | 10387 | 44502 | 30 |
| 80 | 34189 | 89750 | 10250 | 44439 | 20 |
| 90 | 34262 | 89887 | 10113 | 44375 | 10 |
| **73 oo** | 34335 | 90024 | 09976 | 44312 | **27 oo** |
| 10 | 34409 | 90160 | 09840 | 44248 | 90 |
| 20 | 34482 | 90297 | 09703 | 44185 | 80 |
| 30 | 34555 | 90434 | 09566 | 44121 | 70 |
| 40 | 34628 | 90571 | 09429 | 44058 | 60 |
| 50 | 34702 | 90708 | 09292 | 43994 | 50 |
| 60 | 34775 | 90844 | 09156 | 43931 | 40 |
| 70 | 34848 | 90981 | 09019 | 43867 | 30 |
| 80 | 34922 | 91118 | 08882 | 43804 | 20 |
| 90 | 34995 | 91255 | 08745 | 43740 | 10 |
| **74 oo** | 35068 | 91392 | 08608 | 43676 | **26 oo** |
| 10 | 35141 | 91528 | 08472 | 43613 | 90 |
| 20 | 35214 | 91665 | 08335 | 43549 | 80 |
| 30 | 35288 | 91802 | 08198 | 43486 | 70 |
| 40 | 35361 | 91939 | 08061 | 43422 | 60 |
| 50 | 35434 | 92075 | 07925 | 43359 | 50 |
| 60 | 35507 | 92212 | 07788 | 43295 | 40 |
| 70 | 35581 | 92349 | 07651 | 43232 | 30 |
| 80 | 35654 | 92486 | 07514 | 43168 | 20 |
| 90 | 35727 | 92623 | 07377 | 43105 | 10 |
| **75 oo** | 35800 | 92759 | 07241 | 43041 | **25 oo** |
| | **9.83** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 73 | 136 | 136 | 64 | |

| 47g | 74 | 137 | 137 | 63 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.96** | **0.03** | **9.86** | |
| **75 oo** | 35800 | 92759 | 07241 | 43041 | **25 oo** |
| 10 | 35874 | 92896 | 07104 | 42977 | 90 |
| 20 | 35947 | 93033 | 06967 | 42914 | 80 |
| 30 | 36020 | 93170 | 06830 | 42850 | 70 |
| 40 | 36093 | 93306 | 06694 | 42787 | 60 |
| 50 | 36166 | 93443 | 06557 | 42723 | 50 |
| 60 | 36240 | 93580 | 06420 | 42660 | 40 |
| 70 | 36313 | 93717 | 06283 | 42596 | 30 |
| 80 | 36386 | 93854 | 06146 | 42532 | 20 |
| 90 | 36459 | 93990 | 06010 | 42469 | 10 |
| **76 oo** | 36532 | 94127 | 05873 | 42405 | **24 oo** |
| 10 | 36606 | 94264 | 05736 | 42342 | 90 |
| 20 | 36679 | 94401 | 05599 | 42278 | 80 |
| 30 | 36752 | 94537 | 05463 | 42215 | 70 |
| 40 | 36825 | 94674 | 05326 | 42151 | 60 |
| 50 | 36898 | 94811 | 05189 | 42087 | 50 |
| 60 | 36972 | 94948 | 05052 | 42024 | 40 |
| 70 | 37045 | 95085 | 04915 | 41960 | 30 |
| 80 | 37118 | 95221 | 04779 | 41897 | 20 |
| 90 | 37191 | 95358 | 04642 | 41833 | 10 |
| **77 oo** | 37264 | 95495 | 04505 | 41769 | **23 oo** |
| 10 | 37337 | 95632 | 04368 | 41706 | 90 |
| 20 | 37411 | 95768 | 04232 | 41642 | 80 |
| 30 | 37484 | 95905 | 04095 | 41579 | 70 |
| 40 | 37557 | 96042 | 03958 | 41515 | 60 |
| 50 | 37630 | 96179 | 03821 | 41451 | 50 |
| 60 | 37703 | 96316 | 03684 | 41388 | 40 |
| 70 | 37776 | 96452 | 03548 | 41324 | 30 |
| 80 | 37850 | 96589 | 03411 | 41261 | 20 |
| 90 | 37923 | 96726 | 03274 | 41197 | 10 |
| **78 oo** | 37996 | 96863 | 03137 | 41133 | **22 oo** |
| 10 | 38069 | 96999 | 03001 | 41070 | 90 |
| 20 | 38142 | 97136 | 02864 | 41006 | 80 |
| 30 | 38215 | 97273 | 02727 | 40942 | 70 |
| 40 | 38288 | 97410 | 02590 | 40879 | 60 |
| 50 | 38362 | 97546 | 02454 | 40815 | 50 |
| 60 | 38435 | 97683 | 02317 | 40752 | 40 |
| 70 | 38508 | 97820 | 02180 | 40688 | 30 |
| 80 | 38581 | 97957 | 02043 | 40624 | 20 |
| 90 | 38654 | 98094 | 01906 | 40561 | 10 |
| **79 oo** | 38727 | 98230 | 01770 | 40497 | **21 oo** |
| 10 | 38800 | 98367 | 01633 | 40433 | 90 |
| 20 | 38874 | 98504 | 01496 | 40370 | 80 |
| 30 | 38947 | 98641 | 01359 | 40306 | 70 |
| 40 | 39020 | 98777 | 01223 | 40242 | 60 |
| 50 | 39093 | 98914 | 01086 | 40179 | 50 |
| 60 | 39166 | 99051 | 00949 | 40115 | 40 |
| 70 | 39239 | 99188 | 00812 | 40051 | 30 |
| 80 | 39312 | 99324 | 00676 | 39988 | 20 |
| 90 | 39385 | 99461 | 00539 | 39924 | 10 |
| **80 oo** | 39458 | 99598 | 00402 | 39860 | **20 oo** |
| | **9.83** | **9.96** | **0.03** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 73 | 136 | 136 | 64 | |

| | 137 | 136 | 74 | 73 | 64 | 63 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,4 | 7,3 | 6,4 | 6,3 | 1 |
| 2 | 27,4 | 27,2 | 14,8 | 14,6 | 12,8 | 12,6 | 2 |
| 3 | 41,1 | 40,8 | 22,2 | 21,9 | 19,2 | 18,9 | 3 |
| 4 | 54,8 | 54,4 | 29,6 | 29,2 | 25,6 | 25,2 | 4 |
| 5 | 68,5 | 68,0 | 37,0 | 36,5 | 32,0 | 31,5 | 5 |
| 6 | 82,2 | 81,6 | 44,4 | 43,8 | 38,4 | 37,8 | 6 |
| 7 | 95,9 | 95,2 | 51,8 | 51,1 | 44,8 | 44,1 | 7 |
| 8 | 109,6 | 108,8 | 59,2 | 58,4 | 51,2 | 50,4 | 8 |
| 9 | 123,3 | 122,4 | 66,6 | 65,7 | 57,6 | 56,7 | 9 |

| 47g | 74 | 137 | 137 | 63 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | ∗**9.96** | ∗**0.03** | **9.86** | |
| **80 oo** | 39458 | ∗99598 | ∗00402 | 39860 | **20 oo** |
| 10 | 39532 | ∗99735 | ∗00265 | 39797 | 90 |
| 20 | 39605 | ∗99871 | ∗00129 | 39733 | 80 |
| 30 | 39678 | 00008 | 99992 | 39669 | 70 |
| 40 | 39751 | 00145 | 99855 | 39606 | 60 |
| 50 | 39824 | 00282 | 99718 | 39542 | 50 |
| 60 | 39897 | 00419 | 99581 | 39478 | 40 |
| 70 | 39970 | 00555 | 99445 | 39415 | 30 |
| 80 | 40043 | 00692 | 99308 | 39351 | 20 |
| 90 | 40116 | 00829 | 99171 | 39287 | 10 |
| **81 oo** | 40189 | 00966 | 99034 | 39224 | **19 oo** |
| 10 | 40262 | 01102 | 98898 | 39160 | 90 |
| 20 | 40336 | 01239 | 98761 | 39096 | 80 |
| 30 | 40409 | 01376 | 98624 | 39033 | 70 |
| 40 | 40482 | 01513 | 98487 | 38969 | 60 |
| 50 | 40555 | 01649 | 98351 | 38905 | 50 |
| 60 | 40628 | 01786 | 98214 | 38842 | 40 |
| 70 | 40701 | 01923 | 98077 | 38778 | 30 |
| 80 | 40774 | 02060 | 97940 | 38714 | 20 |
| 90 | 40847 | 02196 | 97804 | 38651 | 10 |
| **82 oo** | 40920 | 02333 | 97667 | 38587 | **18 oo** |
| 10 | 40993 | 02470 | 97530 | 38523 | 90 |
| 20 | 41066 | 02607 | 97393 | 38459 | 80 |
| 30 | 41139 | 02743 | 97257 | 38396 | 70 |
| 40 | 41212 | 02880 | 97120 | 38332 | 60 |
| 50 | 41285 | 03017 | 96983 | 38268 | 50 |
| 60 | 41358 | 03154 | 96846 | 38205 | 40 |
| 70 | 41431 | 03290 | 96710 | 38141 | 30 |
| 80 | 41504 | 03427 | 96573 | 38077 | 20 |
| 90 | 41577 | 03564 | 96436 | 38014 | 10 |
| **83 oo** | 41651 | 03701 | 96299 | 37950 | **17 oo** |
| 10 | 41724 | 03837 | 96163 | 37886 | 90 |
| 20 | 41797 | 03974 | 96026 | 37822 | 80 |
| 30 | 41870 | 04111 | 95889 | 37759 | 70 |
| 40 | 41943 | 04248 | 95752 | 37695 | 60 |
| 50 | 42016 | 04385 | 95615 | 37631 | 50 |
| 60 | 42089 | 04521 | 95479 | 37567 | 40 |
| 70 | 42162 | 04658 | 95342 | 37504 | 30 |
| 80 | 42235 | 04795 | 95205 | 37440 | 20 |
| 90 | 42308 | 04932 | 95068 | 37376 | 10 |
| **84 oo** | 42381 | 05068 | 94932 | 37312 | **16 oo** |
| 10 | 42454 | 05205 | 94795 | 37249 | 90 |
| 20 | 42527 | 05342 | 94658 | 37185 | 80 |
| 30 | 42600 | 05479 | 94521 | 37121 | 70 |
| 40 | 42673 | 05615 | 94385 | 37058 | 60 |
| 50 | 42746 | 05752 | 94248 | 36994 | 50 |
| 60 | 42819 | 05889 | 94111 | 36930 | 40 |
| 70 | 42892 | 06026 | 93974 | 36866 | 30 |
| 80 | 42965 | 06162 | 93838 | 36803 | 20 |
| 90 | 43038 | 06299 | 93701 | 36739 | 10 |
| **85 oo** | 43111 | 06436 | 93564 | 36675 | **15 oo** |
| | **9.83** | **9.97** | **0.02** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 73 | 136 | 136 | 64 | |

| 47g | 73 | 137 | 137 | 63 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.86** | |
| **85 oo** | 43111 | 06436 | 93564 | 36675 | **15 oo** |
| 10 | 43184 | 06573 | 93427 | 36611 | 90 |
| 20 | 43257 | 06709 | 93291 | 36547 | 80 |
| 30 | 43330 | 06846 | 93154 | 36484 | 70 |
| 40 | 43403 | 06983 | 93017 | 36420 | 60 |
| 50 | 43476 | 07120 | 92880 | 36356 | 50 |
| 60 | 43549 | 07256 | 92744 | 36292 | 40 |
| 70 | 43622 | 07393 | 92607 | 36229 | 30 |
| 80 | 43695 | 07530 | 92470 | 36165 | 20 |
| 90 | 43768 | 07667 | 92333 | 36101 | 10 |
| **86 oo** | 43841 | 07803 | 92197 | 36037 | **14 oo** |
| 10 | 43914 | 07940 | 92060 | 35974 | 90 |
| 20 | 43986 | 08077 | 91923 | 35910 | 80 |
| 30 | 44059 | 08213 | 91787 | 35846 | 70 |
| 40 | 44132 | 08350 | 91650 | 35782 | 60 |
| 50 | 44205 | 08487 | 91513 | 35718 | 50 |
| 60 | 44278 | 08624 | 91376 | 35655 | 40 |
| 70 | 44351 | 08760 | 91240 | 35591 | 30 |
| 80 | 44424 | 08897 | 91103 | 35527 | 20 |
| 90 | 44497 | 09034 | 90966 | 35463 | 10 |
| **87 oo** | 44570 | 09171 | 90829 | 35399 | **13 oo** |
| 10 | 44643 | 09307 | 90693 | 35336 | 90 |
| 20 | 44716 | 09444 | 90556 | 35272 | 80 |
| 30 | 44789 | 09581 | 90419 | 35208 | 70 |
| 40 | 44862 | 09718 | 90282 | 35144 | 60 |
| 50 | 44935 | 09854 | 90146 | 35080 | 50 |
| 60 | 45008 | 09991 | 90009 | 35017 | 40 |
| 70 | 45081 | 10128 | 89872 | 34953 | 30 |
| 80 | 45154 | 10265 | 89735 | 34889 | 20 |
| 90 | 45226 | 10401 | 89599 | 34825 | 10 |
| **88 oo** | 45299 | 10538 | 89462 | 34761 | **12 oo** |
| 10 | 45372 | 10675 | 89325 | 34697 | 90 |
| 20 | 45445 | 10812 | 89188 | 34634 | 80 |
| 30 | 45518 | 10948 | 89052 | 34570 | 70 |
| 40 | 45591 | 11085 | 88915 | 34506 | 60 |
| 50 | 45664 | 11222 | 88778 | 34442 | 50 |
| 60 | 45737 | 11359 | 88641 | 34378 | 40 |
| 70 | 45810 | 11495 | 88505 | 34314 | 30 |
| 80 | 45883 | 11632 | 88368 | 34251 | 20 |
| 90 | 45956 | 11769 | 88231 | 34187 | 10 |
| **89 oo** | 46029 | 11906 | 88094 | 34123 | **11 oo** |
| 10 | 46101 | 12042 | 87958 | 34059 | 90 |
| 20 | 46174 | 12179 | 87821 | 33995 | 80 |
| 30 | 46247 | 12316 | 87684 | 33931 | 70 |
| 40 | 46320 | 12452 | 87548 | 33868 | 60 |
| 50 | 46393 | 12589 | 87411 | 33804 | 50 |
| 60 | 46466 | 12726 | 87274 | 33740 | 40 |
| 70 | 46539 | 12863 | 87137 | 33676 | 30 |
| 80 | 46612 | 12999 | 87001 | 33612 | 20 |
| 90 | 46684 | 13136 | 86864 | 33548 | 10 |
| **90 oo** | 46757 | 13273 | 86727 | 33484 | **10 oo** |
| | **9.83** | **9.97** | **0.02** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **52g** |
| | 72 | 136 | 136 | 64 | |

| | 137 | 136 | 74 | 73 | 72 | 64 | 63 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,4 | 7,3 | 7,2 | 6,4 | 6,3 | 1 |
| 2 | 27,4 | 27,2 | 14,8 | 14,6 | 14,4 | 12,8 | 12,6 | 2 |
| 3 | 41,1 | 40,8 | 22,2 | 21,9 | 21,6 | 19,2 | 18,9 | 3 |
| 4 | 54,8 | 54,4 | 29,6 | 29,2 | 28,8 | 25,6 | 25,2 | 4 |
| 5 | 68,5 | 68,0 | 37,0 | 36,5 | 36,0 | 32,0 | 31,5 | 5 |
| 6 | 82,2 | 81,6 | 44,4 | 43,8 | 43,2 | 38,4 | 37,8 | 6 |
| 7 | 95,9 | 95,2 | 51,8 | 51,1 | 50,4 | 44,8 | 44,1 | 7 |
| 8 | 109,6 | 108,8 | 59,2 | 58,4 | 57,6 | 51,2 | 50,4 | 8 |
| 9 | 123,3 | 122,4 | 66,6 | 65,7 | 64,8 | 57,6 | 56,7 | 9 |

| 47g | 73 | 137 | 137 | 63 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.86** | |
| **90 oo** | 46757 | 13273 | 86727 | 33484 | **10 oo** |
| 10 | 46830 | 13410 | 86590 | 33421 | 90 |
| 20 | 46903 | 13546 | 86454 | 33357 | 80 |
| 30 | 46976 | 13683 | 86317 | 33293 | 70 |
| 40 | 47049 | 13820 | 86180 | 33229 | 60 |
| 50 | 47122 | 13957 | 86043 | 33165 | 50 |
| 60 | 47195 | 14093 | 85907 | 33101 | 40 |
| 70 | 47267 | 14230 | 85770 | 33037 | 30 |
| 80 | 47340 | 14367 | 85633 | 32974 | 20 |
| 90 | 47413 | 14503 | 85497 | 32910 | 10 |
| **91 oo** | 47486 | 14640 | 85360 | 32846 | **09 oo** |
| 10 | 47559 | 14777 | 85223 | 32782 | 90 |
| 20 | 47632 | 14914 | 85086 | 32718 | 80 |
| 30 | 47705 | 15050 | 84950 | 32654 | 70 |
| 40 | 47777 | 15187 | 84813 | 32590 | 60 |
| 50 | 47850 | 15324 | 84676 | 32526 | 50 |
| 60 | 47923 | 15461 | 84539 | 32462 | 40 |
| 70 | 47996 | 15597 | 84403 | 32399 | 30 |
| 80 | 48069 | 15734 | 84266 | 32335 | 20 |
| 90 | 48142 | 15871 | 84129 | 32271 | 10 |
| **92 oo** | 48214 | 16008 | 83992 | 32207 | **08 oo** |
| 10 | 48287 | 16144 | 83856 | 32143 | 90 |
| 20 | 48360 | 16281 | 83719 | 32079 | 80 |
| 30 | 48433 | 16418 | 83582 | 32015 | 70 |
| 40 | 48506 | 16554 | 83446 | 31951 | 60 |
| 50 | 48579 | 16691 | 83309 | 31887 | 50 |
| 60 | 48651 | 16828 | 83172 | 31823 | 40 |
| 70 | 48724 | 16965 | 83035 | 31760 | 30 |
| 80 | 48797 | 17101 | 82899 | 31696 | 20 |
| 90 | 48870 | 17238 | 82762 | 31632 | 10 |
| **93 oo** | 48943 | 17375 | 82625 | 31568 | **07 oo** |
| 10 | 49015 | 17512 | 82488 | 31504 | 90 |
| 20 | 49088 | 17648 | 82352 | 31440 | 80 |
| 30 | 49161 | 17785 | 82215 | 31376 | 70 |
| 40 | 49234 | 17922 | 82078 | 31312 | 60 |
| 50 | 49307 | 18058 | 81942 | 31248 | 50 |
| 60 | 49379 | 18195 | 81805 | 31184 | 40 |
| 70 | 49452 | 18332 | 81668 | 31120 | 30 |
| 80 | 49525 | 18469 | 81531 | 31056 | 20 |
| 90 | 49598 | 18605 | 81395 | 30992 | 10 |
| **94 oo** | 49671 | 18742 | 81258 | 30928 | **06 oo** |
| 10 | 49743 | 18879 | 81121 | 30865 | 90 |
| 20 | 49816 | 19016 | 80984 | 30801 | 80 |
| 30 | 49889 | 19152 | 80848 | 30737 | 70 |
| 40 | 49962 | 19289 | 80711 | 30673 | 60 |
| 50 | 50034 | 19426 | 80574 | 30609 | 50 |
| 60 | 50107 | 19562 | 80438 | 30545 | 40 |
| 70 | 50180 | 19699 | 80301 | 30481 | 30 |
| 80 | 50253 | 19836 | 80164 | 30417 | 20 |
| 90 | 50325 | 19973 | 80027 | 30353 | 10 |
| **95 oo** | 50398 | 20109 | 79891 | 30289 | **05 oo** |
| | **9.83** | **9.97** | **0.02** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 72 | 136 | 136 | 64 | **52g** |

| 47g | 73 | 137 | 137 | 64 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.86** | |
| **95 oo** | 50398 | 20109 | 79891 | 30289 | **05 oo** |
| 10 | 50471 | 20246 | 79754 | 30225 | 90 |
| 20 | 50544 | 20383 | 79617 | 30161 | 80 |
| 30 | 50617 | 20519 | 79481 | 30097 | 70 |
| 40 | 50689 | 20656 | 79344 | 30033 | 60 |
| 50 | 50762 | 20793 | 79207 | 29969 | 50 |
| 60 | 50835 | 20930 | 79070 | 29905 | 40 |
| 70 | 50908 | 21066 | 78934 | 29841 | 30 |
| 80 | 50980 | 21203 | 78797 | 29777 | 20 |
| 90 | 51053 | 21340 | 78660 | 29713 | 10 |
| **96 oo** | 51126 | 21476 | 78524 | 29649 | **04 oo** |
| 10 | 51198 | 21613 | 78387 | 29585 | 90 |
| 20 | 51271 | 21750 | 78250 | 29521 | 80 |
| 30 | 51344 | 21887 | 78113 | 29457 | 70 |
| 40 | 51417 | 22023 | 77977 | 29393 | 60 |
| 50 | 51489 | 22160 | 77840 | 29329 | 50 |
| 60 | 51562 | 22297 | 77703 | 29265 | 40 |
| 70 | 51635 | 22434 | 77566 | 29201 | 30 |
| 80 | 51708 | 22570 | 77430 | 29137 | 20 |
| 90 | 51780 | 22707 | 77293 | 29073 | 10 |
| **97 oo** | 51853 | 22844 | 77156 | 29009 | **03 oo** |
| 10 | 51926 | 22980 | 77020 | 28945 | 90 |
| 20 | 51998 | 23117 | 76883 | 28881 | 80 |
| 30 | 52071 | 23254 | 76746 | 28817 | 70 |
| 40 | 52144 | 23391 | 76609 | 28753 | 60 |
| 50 | 52217 | 23527 | 76473 | 28689 | 50 |
| 60 | 52289 | 23664 | 76336 | 28625 | 40 |
| 70 | 52362 | 23801 | 76199 | 28561 | 30 |
| 80 | 52435 | 23937 | 76063 | 28497 | 20 |
| 90 | 52507 | 24074 | 75926 | 28433 | 10 |
| **98 oo** | 52580 | 24211 | 75789 | 28369 | **02 oo** |
| 10 | 52653 | 24348 | 75652 | 28305 | 90 |
| 20 | 52725 | 24484 | 75516 | 28241 | 80 |
| 30 | 52798 | 24621 | 75379 | 28177 | 70 |
| 40 | 52871 | 24758 | 75242 | 28113 | 60 |
| 50 | 52943 | 24894 | 75106 | 28049 | 50 |
| 60 | 53016 | 25031 | 74969 | 27985 | 40 |
| 70 | 53089 | 25168 | 74832 | 27921 | 30 |
| 80 | 53161 | 25304 | 74696 | 27857 | 20 |
| 90 | 53234 | 25441 | 74559 | 27793 | 10 |
| **99 oo** | 53307 | 25578 | 74422 | 27729 | **01 oo** |
| 10 | 53379 | 25715 | 74285 | 27665 | 90 |
| 20 | 53452 | 25851 | 74149 | 27601 | 80 |
| 30 | 53525 | 25988 | 74012 | 27537 | 70 |
| 40 | 53597 | 26125 | 73875 | 27473 | 60 |
| 50 | 53670 | 26261 | 73739 | 27409 | 50 |
| 60 | 53743 | 26398 | 73602 | 27345 | 40 |
| 70 | 53815 | 26535 | 73465 | 27281 | 30 |
| 80 | 53888 | 26672 | 73328 | 27216 | 20 |
| 90 | 53961 | 26808 | 73192 | 27152 | 10 |
| **100 oo** | 54033 | 26945 | 73055 | 27088 | **00 oo** |
| | **9.83** | **9.97** | **0.02** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 72 | 136 | 136 | 65 | **52g** |

| | 137 | 136 | 73 | 72 | 65 | 64 | 63 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,3 | 7,2 | 6,5 | 6,4 | 6,3 | 1 |
| 2 | 27,4 | 27,2 | 14,6 | 14,4 | 13,0 | 12,8 | 12,6 | 2 |
| 3 | 41,1 | 40,8 | 21,9 | 21,6 | 19,5 | 19,2 | 18,9 | 3 |
| 4 | 54,8 | 54,4 | 29,2 | 28,8 | 26,0 | 25,6 | 25,2 | 4 |
| 5 | 68,5 | 68,0 | 36,5 | 36,0 | 32,5 | 32,0 | 31,5 | 5 |
| 6 | 82,2 | 81,6 | 43,8 | 43,2 | 39,0 | 38,4 | 37,8 | 6 |
| 7 | 95,9 | 95,2 | 51,1 | 50,4 | 45,5 | 44,8 | 44,1 | 7 |
| 8 | 109,6 | 108,8 | 58,4 | 57,6 | 52,0 | 51,2 | 50,4 | 8 |
| 9 | 123,3 | 122,4 | 65,7 | 64,8 | 58,5 | 57,6 | 56,7 | 9 |

| 48g | 73 | 137 | 137 | 64 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.86** | |
| **00 oo** | 54033 | 26945 | 73055 | 27088 | **100 oo** |
| 10 | 54106 | 27082 | 72918 | 27024 | 90 |
| 20 | 54179 | 27218 | 72782 | 26960 | 80 |
| 30 | 54251 | 27355 | 72645 | 26896 | 70 |
| 40 | 54324 | 27492 | 72508 | 26832 | 60 |
| 50 | 54397 | 27629 | 72371 | 26768 | 50 |
| 60 | 54469 | 27765 | 72235 | 26704 | 40 |
| 70 | 54542 | 27902 | 72098 | 26640 | 30 |
| 80 | 54614 | 28039 | 71961 | 26576 | 20 |
| 90 | 54687 | 28175 | 71825 | 26512 | 10 |
| **01 oo** | 54760 | 28312 | 71688 | 26448 | **99 oo** |
| 10 | 54832 | 28449 | 71551 | 26384 | 90 |
| 20 | 54905 | 28585 | 71415 | 26319 | 80 |
| 30 | 54978 | 28722 | 71278 | 26255 | 70 |
| 40 | 55050 | 28859 | 71141 | 26191 | 60 |
| 50 | 55123 | 28996 | 71004 | 26127 | 50 |
| 60 | 55195 | 29132 | 70868 | 26063 | 40 |
| 70 | 55268 | 29269 | 70731 | 25999 | 30 |
| 80 | 55341 | 29406 | 70594 | 25935 | 20 |
| 90 | 55413 | 29542 | 70458 | 25871 | 10 |
| **02 oo** | 55486 | 29679 | 70321 | 25807 | **98 oo** |
| 10 | 55558 | 29816 | 70184 | 25743 | 90 |
| 20 | 55631 | 29953 | 70047 | 25679 | 80 |
| 30 | 55704 | 30089 | 69911 | 25614 | 70 |
| 40 | 55776 | 30226 | 69774 | 25550 | 60 |
| 50 | 55849 | 30363 | 69637 | 25486 | 50 |
| 60 | 55921 | 30499 | 69501 | 25422 | 40 |
| 70 | 55994 | 30636 | 69364 | 25358 | 30 |
| 80 | 56067 | 30773 | 69227 | 25294 | 20 |
| 90 | 56139 | 30909 | 69091 | 25230 | 10 |
| **03 oo** | 56212 | 31046 | 68954 | 25166 | **97 oo** |
| 10 | 56284 | 31183 | 68817 | 25101 | 90 |
| 20 | 56357 | 31320 | 68680 | 25037 | 80 |
| 30 | 56429 | 31456 | 68544 | 24973 | 70 |
| 40 | 56502 | 31593 | 68407 | 24909 | 60 |
| 50 | 56575 | 31730 | 68270 | 24845 | 50 |
| 60 | 56647 | 31866 | 68134 | 24781 | 40 |
| 70 | 56720 | 32003 | 67997 | 24717 | 30 |
| 80 | 56792 | 32140 | 67860 | 24653 | 20 |
| 90 | 56865 | 32276 | 67724 | 24588 | 10 |
| **04 oo** | 56937 | 32413 | 67587 | 24524 | **96 oo** |
| 10 | 57010 | 32550 | 67450 | 24460 | 90 |
| 20 | 57082 | 32686 | 67314 | 24396 | 80 |
| 30 | 57155 | 32823 | 67177 | 24332 | 70 |
| 40 | 57228 | 32960 | 67040 | 24268 | 60 |
| 50 | 57300 | 33097 | 66903 | 24204 | 50 |
| 60 | 57373 | 33233 | 66767 | 24139 | 40 |
| 70 | 57445 | 33370 | 66630 | 24075 | 30 |
| 80 | 57518 | 33507 | 66493 | 24011 | 20 |
| 90 | 57590 | 33643 | 66357 | 23947 | 10 |
| **05 oo** | 57663 | 33780 | 66220 | 23883 | **95 oo** |
| | **9.83** | **9.97** | **0.02** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 72 | 136 | 136 | 65 | **51g** |

| 48g | 73 | 137 | 137 | 64 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.86** | |
| **05 oo** | 57663 | 33780 | 66220 | 23883 | **95 oo** |
| 10 | 57735 | 33917 | 66083 | 23819 | 90 |
| 20 | 57808 | 34053 | 65947 | 23754 | 80 |
| 30 | 57880 | 34190 | 65810 | 23690 | 70 |
| 40 | 57953 | 34327 | 65673 | 23626 | 60 |
| 50 | 58025 | 34464 | 65536 | 23562 | 50 |
| 60 | 58098 | 34600 | 65400 | 23498 | 40 |
| 70 | 58170 | 34737 | 65263 | 23434 | 30 |
| 80 | 58243 | 34874 | 65126 | 23369 | 20 |
| 90 | 58316 | 35010 | 64990 | 23305 | 10 |
| **06 oo** | 58388 | 35147 | 64853 | 23241 | **94 oo** |
| 10 | 58461 | 35284 | 64716 | 23177 | 90 |
| 20 | 58533 | 35420 | 64580 | 23113 | 80 |
| 30 | 58606 | 35557 | 64443 | 23048 | 70 |
| 40 | 58678 | 35694 | 64306 | 22984 | 60 |
| 50 | 58751 | 35830 | 64170 | 22920 | 50 |
| 60 | 58823 | 35967 | 64033 | 22856 | 40 |
| 70 | 58896 | 36104 | 63896 | 22792 | 30 |
| 80 | 58968 | 36240 | 63760 | 22728 | 20 |
| 90 | 59040 | 36377 | 63623 | 22663 | 10 |
| **07 oo** | 59113 | 36514 | 63486 | 22599 | **93 oo** |
| 10 | 59185 | 36651 | 63349 | 22535 | 90 |
| 20 | 59258 | 36787 | 63213 | 22471 | 80 |
| 30 | 59330 | 36924 | 63076 | 22406 | 70 |
| 40 | 59403 | 37061 | 62939 | 22342 | 60 |
| 50 | 59475 | 37197 | 62803 | 22278 | 50 |
| 60 | 59548 | 37334 | 62666 | 22214 | 40 |
| 70 | 59620 | 37471 | 62529 | 22150 | 30 |
| 80 | 59693 | 37607 | 62393 | 22085 | 20 |
| 90 | 59765 | 37744 | 62256 | 22021 | 10 |
| **08 oo** | 59838 | 37881 | 62119 | 21957 | **92 oo** |
| 10 | 59910 | 38017 | 61983 | 21893 | 90 |
| 20 | 59983 | 38154 | 61846 | 21829 | 80 |
| 30 | 60055 | 38291 | 61709 | 21764 | 70 |
| 40 | 60128 | 38427 | 61573 | 21700 | 60 |
| 50 | 60200 | 38564 | 61436 | 21636 | 50 |
| 60 | 60272 | 38701 | 61299 | 21572 | 40 |
| 70 | 60345 | 38838 | 61162 | 21507 | 30 |
| 80 | 60417 | 38974 | 61026 | 21443 | 20 |
| 90 | 60490 | 39111 | 60889 | 21379 | 10 |
| **09 oo** | 60562 | 39248 | 60752 | 21315 | **91 oo** |
| 10 | 60635 | 39384 | 60616 | 21250 | 90 |
| 20 | 60707 | 39521 | 60479 | 21186 | 80 |
| 30 | 60780 | 39658 | 60342 | 21122 | 70 |
| 40 | 60852 | 39794 | 60206 | 21058 | 60 |
| 50 | 60924 | 39931 | 60069 | 20993 | 50 |
| 60 | 60997 | 40068 | 59932 | 20929 | 40 |
| 70 | 61069 | 40204 | 59796 | 20865 | 30 |
| 80 | 61142 | 40341 | 59659 | 20801 | 20 |
| 90 | 61214 | 40478 | 59522 | 20736 | 10 |
| **10 oo** | 61287 | 40614 | 59386 | 20672 | **90 oo** |
| | **9.83** | **9.97** | **0.02** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 72 | 136 | 136 | 65 | **51g** |

| | 137 | 136 | 73 | 72 | 65 | 64 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,3 | 7,2 | 6,5 | 6,4 | 1 |
| 2 | 27,4 | 27,2 | 14,6 | 14,4 | 13,0 | 12,8 | 2 |
| 3 | 41,1 | 40,8 | 21,9 | 21,6 | 19,5 | 19,2 | 3 |
| 4 | 54,8 | 54,4 | 29,2 | 28,8 | 26,0 | 25,6 | 4 |
| 5 | 68,5 | 68,0 | 36,5 | 36,0 | 32,5 | 32,0 | 5 |
| 6 | 82,2 | 81,6 | 43,8 | 43,2 | 39,0 | 38,4 | 6 |
| 7 | 95,9 | 95,2 | 51,1 | 50,4 | 45,5 | 44,8 | 7 |
| 8 | 109,6 | 108,8 | 58,4 | 57,6 | 52,0 | 51,2 | 8 |
| 9 | 123,3 | 122,4 | 65,7 | 64,8 | 58,5 | 57,6 | 9 |

| 48g | 73 | 137 | 137 | 64 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.86** | |
| **10 oo** | 61287 | 40614 | 59386 | 20672 | **90 oo** |
| 10 | 61359 | 40751 | 59249 | 20608 | 90 |
| 20 | 61431 | 40888 | 59112 | 20544 | 80 |
| 30 | 61504 | 41024 | 58976 | 20479 | 70 |
| 40 | 61576 | 41161 | 58839 | 20415 | 60 |
| 50 | 61649 | 41298 | 58702 | 20351 | 50 |
| 60 | 61721 | 41435 | 58565 | 20286 | 40 |
| 70 | 61793 | 41571 | 58429 | 20222 | 30 |
| 80 | 61866 | 41708 | 58292 | 20158 | 20 |
| 90 | 61938 | 41845 | 58155 | 20094 | 10 |
| **11 oo** | 62011 | 41981 | 58019 | 20029 | **89 oo** |
| 10 | 62083 | 42118 | 57882 | 19965 | 90 |
| 20 | 62155 | 42255 | 57745 | 19901 | 80 |
| 30 | 62228 | 42391 | 57609 | 19837 | 70 |
| 40 | 62300 | 42528 | 57472 | 19772 | 60 |
| 50 | 62373 | 42665 | 57335 | 19708 | 50 |
| 60 | 62445 | 42801 | 57199 | 19644 | 40 |
| 70 | 62517 | 42938 | 57062 | 19579 | 30 |
| 80 | 62590 | 43075 | 56925 | 19515 | 20 |
| 90 | 62662 | 43211 | 56789 | 19451 | 10 |
| **12 oo** | 62734 | 43348 | 56652 | 19386 | **88 oo** |
| 10 | 62807 | 43485 | 56515 | 19322 | 90 |
| 20 | 62879 | 43621 | 56379 | 19258 | 80 |
| 30 | 62952 | 43758 | 56242 | 19194 | 70 |
| 40 | 63024 | 43895 | 56105 | 19129 | 60 |
| 50 | 63096 | 44031 | 55969 | 19065 | 50 |
| 60 | 63169 | 44168 | 55832 | 19001 | 40 |
| 70 | 63241 | 44305 | 55695 | 18936 | 30 |
| 80 | 63313 | 44441 | 55559 | 18872 | 20 |
| 90 | 63386 | 44578 | 55422 | 18808 | 10 |
| **13 oo** | 63458 | 44715 | 55285 | 18743 | **87 oo** |
| 10 | 63530 | 44851 | 55149 | 18679 | 90 |
| 20 | 63603 | 44988 | 55012 | 18615 | 80 |
| 30 | 63675 | 45125 | 54875 | 18550 | 70 |
| 40 | 63747 | 45261 | 54739 | 18486 | 60 |
| 50 | 63820 | 45398 | 54602 | 18422 | 50 |
| 60 | 63892 | 45535 | 54465 | 18357 | 40 |
| 70 | 63964 | 45671 | 54329 | 18293 | 30 |
| 80 | 64037 | 45808 | 54192 | 18229 | 20 |
| 90 | 64109 | 45945 | 54055 | 18164 | 10 |
| **14 oo** | 64181 | 46081 | 53919 | 18100 | **86 oo** |
| 10 | 64254 | 46218 | 53782 | 18036 | 90 |
| 20 | 64326 | 46355 | 53645 | 17971 | 80 |
| 30 | 64398 | 46491 | 53509 | 17907 | 70 |
| 40 | 64471 | 46628 | 53372 | 17843 | 60 |
| 50 | 64543 | 46765 | 53235 | 17778 | 50 |
| 60 | 64615 | 46901 | 53099 | 17714 | 40 |
| 70 | 64688 | 47038 | 52962 | 17649 | 30 |
| 80 | 64760 | 47175 | 52825 | 17585 | 20 |
| 90 | 64832 | 47311 | 52689 | 17521 | 10 |
| **15 oo** | 64905 | 47448 | 52552 | 17456 | **85 oo** |
| | **9.83** | **9.97** | **0.02** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 72 | 136 | 136 | 65 | **51g** |

| 48g | 73 | 137 | 137 | 64 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.86** | |
| **15 oo** | 64905 | 47448 | 52552 | 17456 | **85 oo** |
| 10 | 64977 | 47585 | 52415 | 17392 | 90 |
| 20 | 65049 | 47721 | 52279 | 17328 | 80 |
| 30 | 65121 | 47858 | 52142 | 17263 | 70 |
| 40 | 65194 | 47995 | 52005 | 17199 | 60 |
| 50 | 65266 | 48131 | 51869 | 17135 | 50 |
| 60 | 65338 | 48268 | 51732 | 17070 | 40 |
| 70 | 65411 | 48405 | 51595 | 17006 | 30 |
| 80 | 65483 | 48541 | 51459 | 16941 | 20 |
| 90 | 65555 | 48678 | 51322 | 16877 | 10 |
| **16 oo** | 65627 | 48815 | 51185 | 16813 | **84 oo** |
| 10 | 65700 | 48951 | 51049 | 16748 | 90 |
| 20 | 65772 | 49088 | 50912 | 16684 | 80 |
| 30 | 65844 | 49225 | 50775 | 16619 | 70 |
| 40 | 65917 | 49361 | 50639 | 16555 | 60 |
| 50 | 65989 | 49498 | 50502 | 16491 | 50 |
| 60 | 66061 | 49635 | 50365 | 16426 | 40 |
| 70 | 66133 | 49771 | 50229 | 16362 | 30 |
| 80 | 66206 | 49908 | 50092 | 16298 | 20 |
| 90 | 66278 | 50045 | 49955 | 16233 | 10 |
| **17 oo** | 66350 | 50181 | 49819 | 16169 | **83 oo** |
| 10 | 66422 | 50318 | 49682 | 16104 | 90 |
| 20 | 66495 | 50455 | 49545 | 16040 | 80 |
| 30 | 66567 | 50591 | 49409 | 15975 | 70 |
| 40 | 66639 | 50728 | 49272 | 15911 | 60 |
| 50 | 66711 | 50865 | 49135 | 15847 | 50 |
| 60 | 66784 | 51001 | 48999 | 15782 | 40 |
| 70 | 66856 | 51138 | 48862 | 15718 | 30 |
| 80 | 66928 | 51275 | 48725 | 15653 | 20 |
| 90 | 67000 | 51411 | 48589 | 15589 | 10 |
| **18 oo** | 67073 | 51548 | 48452 | 15525 | **82 oo** |
| 10 | 67145 | 51685 | 48315 | 15460 | 90 |
| 20 | 67217 | 51821 | 48179 | 15396 | 80 |
| 30 | 67289 | 51958 | 48042 | 15331 | 70 |
| 40 | 67362 | 52095 | 47905 | 15267 | 60 |
| 50 | 67434 | 52231 | 47769 | 15202 | 50 |
| 60 | 67506 | 52368 | 47632 | 15138 | 40 |
| 70 | 67578 | 52505 | 47495 | 15074 | 30 |
| 80 | 67650 | 52641 | 47359 | 15009 | 20 |
| 90 | 67723 | 52778 | 47222 | 14945 | 10 |
| **19 oo** | 67795 | 52915 | 47085 | 14880 | **81 oo** |
| 10 | 67867 | 53051 | 46949 | 14816 | 90 |
| 20 | 67939 | 53188 | 46812 | 14751 | 80 |
| 30 | 68012 | 53325 | 46675 | 14687 | 70 |
| 40 | 68084 | 53461 | 46539 | 14622 | 60 |
| 50 | 68156 | 53598 | 46402 | 14558 | 50 |
| 60 | 68228 | 53735 | 46265 | 14493 | 40 |
| 70 | 68300 | 53871 | 46129 | 14429 | 30 |
| 80 | 68373 | 54008 | 45992 | 14365 | 20 |
| 90 | 68445 | 54145 | 45855 | 14300 | 10 |
| **20 oo** | 68517 | 54281 | 45719 | 14236 | **80 oo** |
| | **9.83** | **9.97** | **0.02** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 72 | 136 | 136 | 65 | **51g** |

| | 137 | 136 | 73 | 72 | 65 | 64 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,3 | 7,2 | 6,5 | 6,4 | 1 |
| 2 | 27,4 | 27,2 | 14,6 | 14,4 | 13,0 | 12,8 | 2 |
| 3 | 41,1 | 40,8 | 21,9 | 21,6 | 19,5 | 19,2 | 3 |
| 4 | 54,8 | 54,4 | 29,2 | 28,8 | 26,0 | 25,6 | 4 |
| 5 | 68,5 | 68,0 | 36,5 | 36,0 | 32,5 | 32,0 | 5 |
| 6 | 82,2 | 81,6 | 43,8 | 43,2 | 39,0 | 38,4 | 6 |
| 7 | 95,9 | 95,2 | 51,1 | 50,4 | 45,5 | 44,8 | 7 |
| 8 | 109,6 | 108,8 | 58,4 | 57,6 | 52,0 | 51,2 | 8 |
| 9 | 123,3 | 122,4 | 65,7 | 64,8 | 58,5 | 57,6 | 9 |

| $48^g$ | 73 | 137 | 137 | 64 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.86** | |
| **20 00** | 68517 | 54281 | 45719 | 14236 | **80 00** |
| 10 | 68589 | 54418 | 45582 | 14171 | 90 |
| 20 | 68661 | 54555 | 45445 | 14107 | 80 |
| 30 | 68733 | 54691 | 45309 | 14042 | 70 |
| 40 | 68806 | 54828 | 45172 | 13978 | 60 |
| 50 | 68878 | 54965 | 45035 | 13913 | 50 |
| 60 | 68950 | 55101 | 44899 | 13849 | 40 |
| 70 | 69022 | 55238 | 44762 | 13784 | 30 |
| 80 | 69094 | 55375 | 44625 | 13720 | 20 |
| 90 | 69167 | 55511 | 44489 | 13655 | 10 |
| **21 00** | 69239 | 55648 | 44352 | 13591 | **79 00** |
| 10 | 69311 | 55784 | 44216 | 13526 | 90 |
| 20 | 69383 | 55921 | 44079 | 13462 | 80 |
| 30 | 69455 | 56058 | 43942 | 13397 | 70 |
| 40 | 69527 | 56194 | 43806 | 13333 | 60 |
| 50 | 69599 | 56331 | 43669 | 13268 | 50 |
| 60 | 69672 | 56468 | 43532 | 13204 | 40 |
| 70 | 69744 | 56604 | 43396 | 13139 | 30 |
| 80 | 69816 | 56741 | 43259 | 13075 | 20 |
| 90 | 69888 | 56878 | 43122 | 13010 | 10 |
| **22 00** | 69960 | 57014 | 42986 | 12946 | **78 00** |
| 10 | 70032 | 57151 | 42849 | 12881 | 90 |
| 20 | 70105 | 57288 | 42712 | 12817 | 80 |
| 30 | 70177 | 57424 | 42576 | 12752 | 70 |
| 40 | 70249 | 57561 | 42439 | 12688 | 60 |
| 50 | 70321 | 57698 | 42302 | 12623 | 50 |
| 60 | 70393 | 57834 | 42166 | 12559 | 40 |
| 70 | 70465 | 57971 | 42029 | 12494 | 30 |
| 80 | 70537 | 58108 | 41892 | 12430 | 20 |
| 90 | 70609 | 58244 | 41756 | 12365 | 10 |
| **23 00** | 70682 | 58381 | 41619 | 12301 | **77 00** |
| 10 | 70754 | 58517 | 41483 | 12236 | 90 |
| 20 | 70826 | 58654 | 41346 | 12172 | 80 |
| 30 | 70898 | 58791 | 41209 | 12107 | 70 |
| 40 | 70970 | 58927 | 41073 | 12043 | 60 |
| 50 | 71042 | 59064 | 40936 | 11978 | 50 |
| 60 | 71114 | 59201 | 40799 | 11914 | 40 |
| 70 | 71186 | 59337 | 40663 | 11849 | 30 |
| 80 | 71258 | 59474 | 40526 | 11784 | 20 |
| 90 | 71331 | 59611 | 40389 | 11720 | 10 |
| **24 00** | 71403 | 59747 | 40253 | 11655 | **76 00** |
| 10 | 71475 | 59884 | 40116 | 11591 | 90 |
| 20 | 71547 | 60021 | 39979 | 11526 | 80 |
| 30 | 71619 | 60157 | 39843 | 11462 | 70 |
| 40 | 71691 | 60294 | 39706 | 11397 | 60 |
| 50 | 71763 | 60431 | 39569 | 11333 | 50 |
| 60 | 71835 | 60567 | 39433 | 11268 | 40 |
| 70 | 71907 | 60704 | 39296 | 11203 | 30 |
| 80 | 71979 | 60840 | 39160 | 11139 | 20 |
| 90 | 72051 | 60977 | 39023 | 11074 | 10 |
| **25 00** | 72124 | 61114 | 38886 | 11010 | **75 00** |
| | **9.83** | **9.97** | **0.02** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | $51^g$ |
| | 72 | 136 | 136 | 65 | |

| $48^g$ | 73 | 137 | 137 | 64 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.86** | |
| **25 00** | 72124 | 61114 | 38886 | 11010 | **75 00** |
| 10 | 72196 | 61250 | 38750 | 10945 | 90 |
| 20 | 72268 | 61387 | 38613 | 10881 | 80 |
| 30 | 72340 | 61524 | 38476 | 10816 | 70 |
| 40 | 72412 | 61660 | 38340 | 10751 | 60 |
| 50 | 72484 | 61797 | 38203 | 10687 | 50 |
| 60 | 72556 | 61934 | 38066 | 10622 | 40 |
| 70 | 72628 | 62070 | 37930 | 10558 | 30 |
| 80 | 72700 | 62207 | 37793 | 10493 | 20 |
| 90 | 72772 | 62344 | 37656 | 10429 | 10 |
| **26 00** | 72844 | 62480 | 37520 | 10364 | **74 00** |
| 10 | 72916 | 62617 | 37383 | 10299 | 90 |
| 20 | 72988 | 62753 | 37247 | 10235 | 80 |
| 30 | 73060 | 62890 | 37110 | 10170 | 70 |
| 40 | 73132 | 63027 | 36973 | 10106 | 60 |
| 50 | 73204 | 63163 | 36837 | 10041 | 50 |
| 60 | 73276 | 63300 | 36700 | 09976 | 40 |
| 70 | 73349 | 63437 | 36563 | 09912 | 30 |
| 80 | 73421 | 63573 | 36427 | 09847 | 20 |
| 90 | 73493 | 63710 | 36290 | 09783 | 10 |
| **27 00** | 73565 | 63847 | 36153 | 09718 | **73 00** |
| 10 | 73637 | 63983 | 36017 | 09653 | 90 |
| 20 | 73709 | 64120 | 35880 | 09589 | 80 |
| 30 | 73781 | 64257 | 35743 | 09524 | 70 |
| 40 | 73853 | 64393 | 35607 | 09460 | 60 |
| 50 | 73925 | 64530 | 35470 | 09395 | 50 |
| 60 | 73997 | 64666 | 35334 | 09330 | 40 |
| 70 | 74069 | 64803 | 35197 | 09266 | 30 |
| 80 | 74141 | 64940 | 35060 | 09201 | 20 |
| 90 | 74213 | 65076 | 34924 | 09136 | 10 |
| **28 00** | 74285 | 65213 | 34787 | 09072 | **72 00** |
| 10 | 74357 | 65350 | 34650 | 09007 | 90 |
| 20 | 74429 | 65486 | 34514 | 08943 | 80 |
| 30 | 74501 | 65623 | 34377 | 08878 | 70 |
| 40 | 74573 | 65760 | 34240 | 08813 | 60 |
| 50 | 74645 | 65896 | 34104 | 08749 | 50 |
| 60 | 74717 | 66033 | 33967 | 08684 | 40 |
| 70 | 74789 | 66169 | 33831 | 08619 | 30 |
| 80 | 74861 | 66306 | 33694 | 08555 | 20 |
| 90 | 74933 | 66443 | 33557 | 08490 | 10 |
| **29 00** | 75005 | 66579 | 33421 | 08425 | **71 00** |
| 10 | 75077 | 66716 | 33284 | 08361 | 90 |
| 20 | 75149 | 66853 | 33147 | 08296 | 80 |
| 30 | 75221 | 66989 | 33011 | 08231 | 70 |
| 40 | 75293 | 67126 | 32874 | 08167 | 60 |
| 50 | 75365 | 67263 | 32737 | 08102 | 50 |
| 60 | 75437 | 67399 | 32601 | 08038 | 40 |
| 70 | 75509 | 67536 | 32464 | 07973 | 30 |
| 80 | 75581 | 67672 | 32328 | 07908 | 20 |
| 90 | 75653 | 67809 | 32191 | 07844 | 10 |
| **30 00** | 75725 | 67946 | 32054 | 07779 | **70 00** |
| | **9.83** | **9.97** | **0.02** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | $51^g$ |
| | 72 | 136 | 136 | 65 | |

| | 137 | 136 | 73 | 72 | 65 | 64 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,3 | 7,2 | 6,5 | 6,4 | 1 |
| 2 | 27,4 | 27,2 | 14,6 | 14,4 | 13,0 | 12,8 | 2 |
| 3 | 41,1 | 40,8 | 21,9 | 21,6 | 19,5 | 19,2 | 3 |
| 4 | 54,8 | 54,4 | 29,2 | 28,8 | 26,0 | 25,6 | 4 |
| 5 | 68,5 | 68,0 | 36,5 | 36,0 | 32,5 | 32,0 | 5 |
| 6 | 82,2 | 81,6 | 43,8 | 43,2 | 39,0 | 38,4 | 6 |
| 7 | 95,9 | 95,2 | 51,1 | 50,4 | 45,5 | 44,8 | 7 |
| 8 | 109,6 | 108,8 | 58,4 | 57,6 | 52,0 | 51,2 | 8 |
| 9 | 123,3 | 122,4 | 65,7 | 64,8 | 58,5 | 57,6 | 9 |

| 48g | 72 | 137 | 137 | 64 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.86** | |
| **30 oo** | 75725 | 67946 | 32054 | 07779 | **70 oo** |
| 10 | 75796 | 68082 | 31918 | 07714 | 90 |
| 20 | 75868 | 68219 | 31781 | 07650 | 80 |
| 30 | 75940 | 68356 | 31644 | 07585 | 70 |
| 40 | 76012 | 68492 | 31508 | 07520 | 60 |
| 50 | 76084 | 68629 | 31371 | 07455 | 50 |
| 60 | 76156 | 68765 | 31235 | 07391 | 40 |
| 70 | 76228 | 68902 | 31098 | 07326 | 30 |
| 80 | 76300 | 69039 | 30961 | 07261 | 20 |
| 90 | 76372 | 69175 | 30825 | 07197 | 10 |
| **31 oo** | 76444 | 69312 | 30688 | 07132 | **69 oo** |
| 10 | 76516 | 69449 | 30551 | 07067 | 90 |
| 20 | 76588 | 69585 | 30415 | 07003 | 80 |
| 30 | 76660 | 69722 | 30278 | 06938 | 70 |
| 40 | 76732 | 69859 | 30141 | 06873 | 60 |
| 50 | 76804 | 69995 | 30005 | 06809 | 50 |
| 60 | 76876 | 70132 | 29868 | 06744 | 40 |
| 70 | 76948 | 70268 | 29732 | 06679 | 30 |
| 80 | 77019 | 70405 | 29595 | 06614 | 20 |
| 90 | 77091 | 70542 | 29458 | 06550 | 10 |
| **32 oo** | 77163 | 70678 | 29322 | 06485 | **68 oo** |
| 10 | 77235 | 70815 | 29185 | 06420 | 90 |
| 20 | 77307 | 70952 | 29048 | 06356 | 80 |
| 30 | 77379 | 71088 | 28912 | 06291 | 70 |
| 40 | 77451 | 71225 | 28775 | 06226 | 60 |
| 50 | 77523 | 71361 | 28639 | 06161 | 50 |
| 60 | 77595 | 71498 | 28502 | 06097 | 40 |
| 70 | 77667 | 71635 | 28365 | 06032 | 30 |
| 80 | 77739 | 71771 | 28229 | 05967 | 20 |
| 90 | 77811 | 71908 | 28092 | 05903 | 10 |
| **33 oo** | 77882 | 72045 | 27955 | 05838 | **67 oo** |
| 10 | 77954 | 72181 | 27819 | 05773 | 90 |
| 20 | 78026 | 72318 | 27682 | 05708 | 80 |
| 30 | 78098 | 72454 | 27546 | 05644 | 70 |
| 40 | 78170 | 72591 | 27409 | 05579 | 60 |
| 50 | 78242 | 72728 | 27272 | 05514 | 50 |
| 60 | 78314 | 72864 | 27136 | 05449 | 40 |
| 70 | 78386 | 73001 | 26999 | 05385 | 30 |
| 80 | 78457 | 73138 | 26862 | 05320 | 20 |
| 90 | 78529 | 73274 | 26726 | 05255 | 10 |
| **34 oo** | 78601 | 73411 | 26589 | 05190 | **66 oo** |
| 10 | 78673 | 73547 | 26453 | 05126 | 90 |
| 20 | 78745 | 73684 | 26316 | 05061 | 80 |
| 30 | 78817 | 73821 | 26179 | 04996 | 70 |
| 40 | 78889 | 73957 | 26043 | 04931 | 60 |
| 50 | 78961 | 74094 | 25906 | 04867 | 50 |
| 60 | 79032 | 74231 | 25769 | 04802 | 40 |
| 70 | 79104 | 74367 | 25633 | 04737 | 30 |
| 80 | 79176 | 74504 | 25496 | 04672 | 20 |
| 90 | 79248 | 74640 | 25360 | 04608 | 10 |
| **35 oo** | 79320 | 74777 | 25223 | 04543 | **65 oo** |
| | **9.83** | **9.97** | **0.02** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **51g** |
| | 71 | 136 | 136 | 65 | |

| 48g | 72 | 137 | 137 | 64 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.86** | |
| **35 oo** | 79320 | 74777 | 25223 | 04543 | **65 oo** |
| 10 | 79392 | 74914 | 25086 | 04478 | 90 |
| 20 | 79464 | 75050 | 24950 | 04413 | 80 |
| 30 | 79535 | 75187 | 24813 | 04349 | 70 |
| 40 | 79607 | 75323 | 24677 | 04284 | 60 |
| 50 | 79679 | 75460 | 24540 | 04219 | 50 |
| 60 | 79751 | 75597 | 24403 | 04154 | 40 |
| 70 | 79823 | 75733 | 24267 | 04089 | 30 |
| 80 | 79895 | 75870 | 24130 | 04025 | 20 |
| 90 | 79966 | 76007 | 23993 | 03960 | 10 |
| **36 oo** | 80038 | 76143 | 23857 | 03895 | **64 oo** |
| 10 | 80110 | 76280 | 23720 | 03830 | 90 |
| 20 | 80182 | 76416 | 23584 | 03765 | 80 |
| 30 | 80254 | 76553 | 23447 | 03701 | 70 |
| 40 | 80326 | 76690 | 23310 | 03636 | 60 |
| 50 | 80397 | 76826 | 23174 | 03571 | 50 |
| 60 | 80469 | 76963 | 23037 | 03506 | 40 |
| 70 | 80541 | 77100 | 22900 | 03441 | 30 |
| 80 | 80613 | 77236 | 22764 | 03377 | 20 |
| 90 | 80685 | 77373 | 22627 | 03312 | 10 |
| **37 oo** | 80756 | 77509 | 22491 | 03247 | **63 oo** |
| 10 | 80828 | 77646 | 22354 | 03182 | 90 |
| 20 | 80900 | 77783 | 22217 | 03117 | 80 |
| 30 | 80972 | 77919 | 22081 | 03053 | 70 |
| 40 | 81044 | 78056 | 21944 | 02988 | 60 |
| 50 | 81115 | 78192 | 21808 | 02923 | 50 |
| 60 | 81187 | 78329 | 21671 | 02858 | 40 |
| 70 | 81259 | 78466 | 21534 | 02793 | 30 |
| 80 | 81331 | 78602 | 21398 | 02728 | 20 |
| 90 | 81403 | 78739 | 21261 | 02664 | 10 |
| **38 oo** | 81474 | 78876 | 21124 | 02599 | **62 oo** |
| 10 | 81546 | 79012 | 20988 | 02534 | 90 |
| 20 | 81618 | 79149 | 20851 | 02469 | 80 |
| 30 | 81690 | 79285 | 20715 | 02404 | 70 |
| 40 | 81761 | 79422 | 20578 | 02339 | 60 |
| 50 | 81833 | 79559 | 20441 | 02275 | 50 |
| 60 | 81905 | 79695 | 20305 | 02210 | 40 |
| 70 | 81977 | 79832 | 20168 | 02145 | 30 |
| 80 | 82049 | 79968 | 20032 | 02080 | 20 |
| 90 | 82120 | 80105 | 19895 | 02015 | 10 |
| **39 oo** | 82192 | 80242 | 19758 | 01950 | **61 oo** |
| 10 | 82264 | 80378 | 19622 | 01886 | 90 |
| 20 | 82336 | 80515 | 19485 | 01821 | 80 |
| 30 | 82407 | 80652 | 19348 | 01756 | 70 |
| 40 | 82479 | 80788 | 19212 | 01691 | 60 |
| 50 | 82551 | 80925 | 19075 | 01626 | 50 |
| 60 | 82623 | 81061 | 18939 | 01561 | 40 |
| 70 | 82694 | 81198 | 18802 | 01496 | 30 |
| 80 | 82766 | 81335 | 18665 | 01431 | 20 |
| 90 | 82838 | 81471 | 18529 | 01367 | 10 |
| **40 oo** | 82910 | 81608 | 18392 | 01302 | **60 oo** |
| | **9.83** | **9.97** | **0.02** | **9.86** | c cc |
| | log cos | log ctg | log tg | log sin | **51g** |
| | 71 | 136 | 136 | 65 | |

| | 137 | 136 | 72 | 71 | 65 | 64 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,2 | 7,1 | 6,5 | 6,4 | 1 |
| 2 | 27,4 | 27,2 | 14,4 | 14,2 | 13,0 | 12,8 | 2 |
| 3 | 41,1 | 40,8 | 21,6 | 21,3 | 19,5 | 19,2 | 3 |
| 4 | 54,8 | 54,4 | 28,8 | 28,4 | 26,0 | 25,6 | 4 |
| 5 | 68,5 | 68,0 | 36,0 | 35,5 | 32,5 | 32,0 | 5 |
| 6 | 82,2 | 81,6 | 43,2 | 42,6 | 39,0 | 38,4 | 6 |
| 7 | 95,9 | 95,2 | 50,4 | 49,7 | 45,5 | 44,8 | 7 |
| 8 | 109,6 | 108,8 | 57,6 | 56,8 | 52,0 | 51,2 | 8 |
| 9 | 123,3 | 122,4 | 64,8 | 63,9 | 58,5 | 57,6 | 9 |

| 48g | 72 | 137 | 137 | 64 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | ∗**9.86** | |
| **40 oo** | 82910 | 81608 | 18392 | ∗01302 | **60 oo** |
| 10 | 82981 | 81744 | 18256 | ∗01237 | 90 |
| 20 | 83053 | 81881 | 18119 | ∗01172 | 80 |
| 30 | 83125 | 82018 | 17982 | ∗01107 | 70 |
| 40 | 83196 | 82154 | 17846 | ∗01042 | 60 |
| 50 | 83268 | 82291 | 17709 | ∗00977 | 50 |
| 60 | 83340 | 82427 | 17573 | ∗00912 | 40 |
| 70 | 83412 | 82564 | 17436 | ∗00848 | 30 |
| 80 | 83483 | 82701 | 17299 | ∗00783 | 20 |
| 90 | 83555 | 82837 | 17163 | ∗00718 | 10 |
| **41 oo** | 83627 | 82974 | 17026 | ∗00653 | **59 oo** |
| 10 | 83698 | 83110 | 16890 | ∗00588 | 90 |
| 20 | 83770 | 83247 | 16753 | ∗00523 | 80 |
| 30 | 83842 | 83384 | 16616 | ∗00458 | 70 |
| 40 | 83914 | 83520 | 16480 | ∗00393 | 60 |
| 50 | 83985 | 83657 | 16343 | ∗00328 | 50 |
| 60 | 84057 | 83794 | 16206 | ∗00263 | 40 |
| 70 | 84129 | 83930 | 16070 | ∗00199 | 30 |
| 80 | 84200 | 84067 | 15933 | ∗00134 | 20 |
| 90 | 84272 | 84203 | 15797 | ∗00069 | 10 |
| **42 oo** | 84344 | 84340 | 15660 | ∗00004 | **58 oo** |
| 10 | 84416 | 84477 | 15523 | 99939 | 90 |
| 20 | 84487 | 84613 | 15387 | 99874 | 80 |
| 30 | 84559 | 84750 | 15250 | 99809 | 70 |
| 40 | 84631 | 84886 | 15114 | 99744 | 60 |
| 50 | 84702 | 85023 | 14977 | 99679 | 50 |
| 60 | 84774 | 85160 | 14840 | 99614 | 40 |
| 70 | 84846 | 85296 | 14704 | 99549 | 30 |
| 80 | 84917 | 85433 | 14567 | 99484 | 20 |
| 90 | 84989 | 85569 | 14431 | 99420 | 10 |
| **43 oo** | 85061 | 85706 | 14294 | 99355 | **57 oo** |
| 10 | 85132 | 85843 | 14157 | 99290 | 90 |
| 20 | 85204 | 85979 | 14021 | 99225 | 80 |
| 30 | 85276 | 86116 | 13884 | 99160 | 70 |
| 40 | 85347 | 86252 | 13748 | 99095 | 60 |
| 50 | 85419 | 86389 | 13611 | 99030 | 50 |
| 60 | 85491 | 86526 | 13474 | 98965 | 40 |
| 70 | 85562 | 86662 | 13338 | 98900 | 30 |
| 80 | 85634 | 86799 | 13201 | 98835 | 20 |
| 90 | 85706 | 86935 | 13065 | 98770 | 10 |
| **44 oo** | 85777 | 87072 | 12928 | 98705 | **56 oo** |
| 10 | 85849 | 87209 | 12791 | 98640 | 90 |
| 20 | 85920 | 87345 | 12655 | 98575 | 80 |
| 30 | 85992 | 87482 | 12518 | 98510 | 70 |
| 40 | 86064 | 87618 | 12382 | 98445 | 60 |
| 50 | 86135 | 87755 | 12245 | 98380 | 50 |
| 60 | 86207 | 87892 | 12108 | 98315 | 40 |
| 70 | 86279 | 88028 | 11972 | 98250 | 30 |
| 80 | 86350 | 88165 | 11835 | 98185 | 20 |
| 90 | 86422 | 88301 | 11699 | 98120 | 10 |
| **45 oo** | 86494 | 88438 | 11562 | 98056 | **55 oo** |
| | **9.83** | **9.97** | **0.02** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | **51g** |
| | 71 | 136 | 136 | 65 | |

| 48g | 72 | 137 | 137 | 65 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.85** | |
| **45 oo** | 86494 | 88438 | 11562 | 98056 | **55 oo** |
| 10 | 86565 | 88575 | 11425 | 97991 | 90 |
| 20 | 86637 | 88711 | 11289 | 97926 | 80 |
| 30 | 86708 | 88848 | 11152 | 97861 | 70 |
| 40 | 86780 | 88984 | 11016 | 97796 | 60 |
| 50 | 86852 | 89121 | 10879 | 97731 | 50 |
| 60 | 86923 | 89258 | 10742 | 97666 | 40 |
| 70 | 86995 | 89394 | 10606 | 97601 | 30 |
| 80 | 87066 | 89531 | 10469 | 97536 | 20 |
| 90 | 87138 | 89667 | 10333 | 97471 | 10 |
| **46 oo** | 87210 | 89804 | 10196 | 97406 | **54 oo** |
| 10 | 87281 | 89941 | 10059 | 97341 | 90 |
| 20 | 87353 | 90077 | 09923 | 97276 | 80 |
| 30 | 87424 | 90214 | 09786 | 97211 | 70 |
| 40 | 87496 | 90350 | 09650 | 97146 | 60 |
| 50 | 87568 | 90487 | 09513 | 97081 | 50 |
| 60 | 87639 | 90624 | 09376 | 97016 | 40 |
| 70 | 87711 | 90760 | 09240 | 96951 | 30 |
| 80 | 87782 | 90897 | 09103 | 96886 | 20 |
| 90 | 87854 | 91033 | 08967 | 96821 | 10 |
| **47 oo** | 87926 | 91170 | 08830 | 96756 | **53 oo** |
| 10 | 87997 | 91307 | 08693 | 96691 | 90 |
| 20 | 88069 | 91443 | 08557 | 96626 | 80 |
| 30 | 88140 | 91580 | 08420 | 96561 | 70 |
| 40 | 88212 | 91716 | 08284 | 96496 | 60 |
| 50 | 88283 | 91853 | 08147 | 96430 | 50 |
| 60 | 88355 | 91990 | 08010 | 96365 | 40 |
| 70 | 88427 | 92126 | 07874 | 96300 | 30 |
| 80 | 88498 | 92263 | 07737 | 96235 | 20 |
| 90 | 88570 | 92399 | 07601 | 96170 | 10 |
| **48 oo** | 88641 | 92536 | 07464 | 96105 | **52 oo** |
| 10 | 88713 | 92673 | 07327 | 96040 | 90 |
| 20 | 88784 | 92809 | 07191 | 95975 | 80 |
| 30 | 88856 | 92946 | 07054 | 95910 | 70 |
| 40 | 88927 | 93082 | 06918 | 95845 | 60 |
| 50 | 88999 | 93219 | 06781 | 95780 | 50 |
| 60 | 89071 | 93355 | 06645 | 95715 | 40 |
| 70 | 89142 | 93492 | 06508 | 95650 | 30 |
| 80 | 89214 | 93629 | 06371 | 95585 | 20 |
| 90 | 89285 | 93765 | 06235 | 95520 | 10 |
| **49 oo** | 89357 | 93902 | 06098 | 95455 | **51 oo** |
| 10 | 89428 | 94038 | 05962 | 95390 | 90 |
| 20 | 89500 | 94175 | 05825 | 95325 | 80 |
| 30 | 89571 | 94312 | 05688 | 95260 | 70 |
| 40 | 89643 | 94448 | 05552 | 95195 | 60 |
| 50 | 89714 | 94585 | 05415 | 95130 | 50 |
| 60 | 89786 | 94721 | 05279 | 95064 | 40 |
| 70 | 89857 | 94858 | 05142 | 94999 | 30 |
| 80 | 89929 | 94995 | 05005 | 94934 | 20 |
| 90 | 90000 | 95131 | 04869 | 94869 | 10 |
| **50 oo** | 90072 | 95268 | 04732 | 94804 | **50 oo** |
| | **9.83** | **9.97** | **0.02** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | **51g** |
| | 71 | 136 | 136 | 66 | |

| | 137 | 136 | 72 | 71 | 66 | 65 | 64 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,2 | 7,1 | 6,6 | 6,5 | 6,4 | 1 |
| 2 | 27,4 | 27,2 | 14,4 | 14,2 | 13,2 | 13,0 | 12,8 | 2 |
| 3 | 41,1 | 40,8 | 21,6 | 21,3 | 19,8 | 19,5 | 19,2 | 3 |
| 4 | 54,8 | 54,4 | 28,8 | 28,4 | 26,4 | 26,0 | 25,6 | 4 |
| 5 | 68,5 | 68,0 | 36,0 | 35,5 | 33,0 | 32,5 | 32,0 | 5 |
| 6 | 82,2 | 81,6 | 43,2 | 42,6 | 39,6 | 39,0 | 38,4 | 6 |
| 7 | 95,9 | 95,2 | 50,4 | 49,7 | 46,2 | 45,5 | 44,8 | 7 |
| 8 | 109,6 | 108,8 | 57,6 | 56,8 | 52,8 | 52,0 | 51,2 | 8 |
| 9 | 123,3 | 122,4 | 64,8 | 63,9 | 59,4 | 58,5 | 57,6 | 9 |

| 48g | 72 | 137 | 137 | 65 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.97** | **0.02** | **9.85** | |
| **50 00** | 90072 | 95268 | 04732 | 94804 | **50 00** |
| 10 | 90143 | 95404 | 04596 | 94739 | 90 |
| 20 | 90215 | 95541 | 04459 | 94674 | 80 |
| 30 | 90286 | 95678 | 04322 | 94609 | 70 |
| 40 | 90358 | 95814 | 04186 | 94544 | 60 |
| 50 | 90429 | 95951 | 04049 | 94479 | 50 |
| 60 | 90501 | 96087 | 03913 | 94414 | 40 |
| 70 | 90572 | 96224 | 03776 | 94349 | 30 |
| 80 | 90644 | 96360 | 03640 | 94284 | 20 |
| 90 | 90715 | 96497 | 03503 | 94218 | 10 |
| **51 00** | 90787 | 96634 | 03366 | 94153 | **49 00** |
| 10 | 90858 | 96770 | 03230 | 94088 | 90 |
| 20 | 90930 | 96907 | 03093 | 94023 | 80 |
| 30 | 91001 | 97043 | 02957 | 93958 | 70 |
| 40 | 91073 | 97180 | 02820 | 93893 | 60 |
| 50 | 91144 | 97317 | 02683 | 93828 | 50 |
| 60 | 91216 | 97453 | 02547 | 93763 | 40 |
| 70 | 91287 | 97590 | 02410 | 93698 | 30 |
| 80 | 91359 | 97726 | 02274 | 93632 | 20 |
| 90 | 91430 | 97863 | 02137 | 93567 | 10 |
| **52 00** | 91502 | 98000 | 02000 | 93502 | **48 00** |
| 10 | 91573 | 98136 | 01864 | 93437 | 90 |
| 20 | 91645 | 98273 | 01727 | 93372 | 80 |
| 30 | 91716 | 98409 | 01591 | 93307 | 70 |
| 40 | 91788 | 98546 | 01454 | 93242 | 60 |
| 50 | 91859 | 98682 | 01318 | 93177 | 50 |
| 60 | 91931 | 98819 | 01181 | 93111 | 40 |
| 70 | 92002 | 98956 | 01044 | 93046 | 30 |
| 80 | 92073 | 99092 | 00908 | 92981 | 20 |
| 90 | 92145 | 99229 | 00771 | 92916 | 10 |
| **53 00** | 92216 | 99365 | 00635 | 92851 | **47 00** |
| 10 | 92288 | 99502 | 00498 | 92786 | 90 |
| 20 | 92359 | 99639 | 00361 | 92721 | 80 |
| 30 | 92431 | 99775 | 00225 | 92656 | 70 |
| 40 | 92502 | 99912 | 00088 | 92590 | 60 |
| 50 | 92573 | *00048 | *99952 | 92525 | 50 |
| 60 | 92645 | *00185 | *99815 | 92460 | 40 |
| 70 | 92716 | *00321 | *99679 | 92395 | 30 |
| 80 | 92788 | *00458 | *99542 | 92330 | 20 |
| 90 | 92859 | *00595 | *99405 | 92265 | 10 |
| **54 00** | 92931 | *00731 | *99269 | 92199 | **46 00** |
| 10 | 93002 | *00868 | *99132 | 92134 | 90 |
| 20 | 93073 | *01004 | *98996 | 92069 | 80 |
| 30 | 93145 | *01141 | *98859 | 92004 | 70 |
| 40 | 93216 | *01277 | *98723 | 91939 | 60 |
| 50 | 93288 | *01414 | *98586 | 91874 | 50 |
| 60 | 93359 | *01551 | *98449 | 91808 | 40 |
| 70 | 93431 | *01687 | *98313 | 91743 | 30 |
| 80 | 93502 | *01824 | *98176 | 91678 | 20 |
| 90 | 93573 | *01960 | *98040 | 91613 | 10 |
| **55 00** | 93645 | *02097 | *97903 | 91548 | **45 00** |
| | **9.83** | ***9.98** | ***0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 71 | 136 | 136 | 66 | **51g** |

| 48g | 72 | 137 | 137 | 65 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.98** | **0.01** | **9.85** | |
| **55 00** | 93645 | 02097 | 97903 | 91548 | **45 00** |
| 10 | 93716 | 02234 | 97766 | 91483 | 90 |
| 20 | 93788 | 02370 | 97630 | 91417 | 80 |
| 30 | 93859 | 02507 | 97493 | 91352 | 70 |
| 40 | 93930 | 02643 | 97357 | 91287 | 60 |
| 50 | 94002 | 02780 | 97220 | 91222 | 50 |
| 60 | 94073 | 02916 | 97084 | 91157 | 40 |
| 70 | 94144 | 03053 | 96947 | 91091 | 30 |
| 80 | 94216 | 03190 | 96810 | 91026 | 20 |
| 90 | 94287 | 03326 | 96674 | 90961 | 10 |
| **56 00** | 94359 | 03463 | 96537 | 90896 | **44 00** |
| 10 | 94430 | 03599 | 96401 | 90831 | 90 |
| 20 | 94501 | 03736 | 96264 | 90765 | 80 |
| 30 | 94573 | 03872 | 96128 | 90700 | 70 |
| 40 | 94644 | 04009 | 95991 | 90635 | 60 |
| 50 | 94715 | 04146 | 95854 | 90570 | 50 |
| 60 | 94787 | 04282 | 95718 | 90505 | 40 |
| 70 | 94858 | 04419 | 95581 | 90439 | 30 |
| 80 | 94930 | 04555 | 95445 | 90374 | 20 |
| 90 | 95001 | 04692 | 95308 | 90309 | 10 |
| **57 00** | 95072 | 04829 | 95171 | 90244 | **43 00** |
| 10 | 95144 | 04965 | 95035 | 90179 | 90 |
| 20 | 95215 | 05102 | 94898 | 90113 | 80 |
| 30 | 95286 | 05238 | 94762 | 90048 | 70 |
| 40 | 95358 | 05375 | 94625 | 89983 | 60 |
| 50 | 95429 | 05511 | 94489 | 89918 | 50 |
| 60 | 95500 | 05648 | 94352 | 89852 | 40 |
| 70 | 95572 | 05785 | 94215 | 89787 | 30 |
| 80 | 95643 | 05921 | 94079 | 89722 | 20 |
| 90 | 95714 | 06058 | 93942 | 89657 | 10 |
| **58 00** | 95786 | 06194 | 93806 | 89591 | **42 00** |
| 10 | 95857 | 06331 | 93669 | 89526 | 90 |
| 20 | 95928 | 06467 | 93533 | 89461 | 80 |
| 30 | 96000 | 06604 | 93396 | 89396 | 70 |
| 40 | 96071 | 06741 | 93259 | 89330 | 60 |
| 50 | 96142 | 06877 | 93123 | 89265 | 50 |
| 60 | 96214 | 07014 | 92986 | 89200 | 40 |
| 70 | 96285 | 07150 | 92850 | 89135 | 30 |
| 80 | 96356 | 07287 | 92713 | 89069 | 20 |
| 90 | 96428 | 07423 | 92577 | 89004 | 10 |
| **59 00** | 96499 | 07560 | 92440 | 88939 | **41 00** |
| 10 | 96570 | 07697 | 92303 | 88874 | 90 |
| 20 | 96642 | 07833 | 92167 | 88808 | 80 |
| 30 | 96713 | 07970 | 92030 | 88743 | 70 |
| 40 | 96784 | 08106 | 91894 | 88678 | 60 |
| 50 | 96855 | 08243 | 91757 | 88613 | 50 |
| 60 | 96927 | 08379 | 91621 | 88547 | 40 |
| 70 | 96998 | 08516 | 91484 | 88482 | 30 |
| 80 | 97069 | 08653 | 91347 | 88417 | 20 |
| 90 | 97141 | 08789 | 91211 | 88351 | 10 |
| **60 00** | 97212 | 08926 | 91074 | 88286 | **40 00** |
| | **9.83** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | |
| | 71 | 136 | 136 | 66 | **51g** |

| | 137 | 136 | 72 | 71 | 66 | 65 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,2 | 7,1 | 6,6 | 6,5 | 1 |
| 2 | 27,4 | 27,2 | 14,4 | 14,2 | 13,2 | 13,0 | 2 |
| 3 | 41,1 | 40,8 | 21,6 | 21,3 | 19,8 | 19,5 | 3 |
| 4 | 54,8 | 54,4 | 28,8 | 28,4 | 26,4 | 26,0 | 4 |
| 5 | 68,5 | 68,0 | 36,0 | 35,5 | 33,0 | 32,5 | 5 |
| 6 | 82,2 | 81,6 | 43,2 | 42,6 | 39,6 | 39,0 | 6 |
| 7 | 95,9 | 95,2 | 50,4 | 49,7 | 46,2 | 45,5 | 7 |
| 8 | 109,6 | 108,8 | 57,6 | 56,8 | 52,8 | 52,0 | 8 |
| 9 | 123,3 | 122,4 | 64,8 | 63,9 | 59,4 | 58,5 | 9 |

| $48^g$ | 72 | 137 | 137 | 65 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.83** | **9.98** | **0.01** | **9.85** | |
| **60 oo** | 97212 | 08926 | 91074 | 88286 | **40 oo** |
| 10 | 97283 | 09062 | 90938 | 88221 | 90 |
| 20 | 97354 | 09199 | 90801 | 88156 | 80 |
| 30 | 97426 | 09335 | 90665 | 88090 | 70 |
| 40 | 97497 | 09472 | 90528 | 88025 | 60 |
| 50 | 97568 | 09609 | 90391 | 87960 | 50 |
| 60 | 97640 | 09745 | 90255 | 87894 | 40 |
| 70 | 97711 | 09882 | 90118 | 87829 | 30 |
| 80 | 97782 | 10018 | 89982 | 87764 | 20 |
| 90 | 97853 | 10155 | 89845 | 87699 | 10 |
| **61 oo** | 97925 | 10291 | 89709 | 87633 | **39 oo** |
| 10 | 97996 | 10428 | 89572 | 87568 | 90 |
| 20 | 98067 | 10565 | 89435 | 87503 | 80 |
| 30 | 98138 | 10701 | 89299 | 87437 | 70 |
| 40 | 98210 | 10838 | 89162 | 87372 | 60 |
| 50 | 98281 | 10974 | 89026 | 87307 | 50 |
| 60 | 98352 | 11111 | 88889 | 87241 | 40 |
| 70 | 98423 | 11247 | 88753 | 87176 | 30 |
| 80 | 98495 | 11384 | 88616 | 87111 | 20 |
| 90 | 98566 | 11520 | 88480 | 87045 | 10 |
| **62 oo** | 98637 | 11657 | 88343 | 86980 | **38 oo** |
| 10 | 98708 | 11794 | 88206 | 86915 | 90 |
| 20 | 98780 | 11930 | 88070 | 86849 | 80 |
| 30 | 98851 | 12067 | 87933 | 86784 | 70 |
| 40 | 98922 | 12203 | 87797 | 86719 | 60 |
| 50 | 98993 | 12340 | 87660 | 86653 | 50 |
| 60 | 99065 | 12476 | 87524 | 86588 | 40 |
| 70 | 99136 | 12613 | 87387 | 86523 | 30 |
| 80 | 99207 | 12750 | 87250 | 86457 | 20 |
| 90 | 99278 | 12886 | 87114 | 86392 | 10 |
| **63 oo** | 99350 | 13023 | 86977 | 86327 | **37 oo** |
| 10 | 99421 | 13159 | 86841 | 86261 | 90 |
| 20 | 99492 | 13296 | 86704 | 86196 | 80 |
| 30 | 99563 | 13432 | 86568 | 86131 | 70 |
| 40 | 99634 | 13569 | 86431 | 86065 | 60 |
| 50 | 99706 | 13706 | 86294 | 86000 | 50 |
| 60 | 99777 | 13842 | 86158 | 85935 | 40 |
| 70 | 99848 | 13979 | 86021 | 85869 | 30 |
| 80 | 99919 | 14115 | 85885 | 85804 | 20 |
| 90 | 99990 | 14252 | 85748 | 85739 | 10 |
| **64 oo** | *00062 | 14388 | 85612 | 85673 | **36 oo** |
| 10 | *00133 | 14525 | 85475 | 85608 | 90 |
| 20 | *00204 | 14661 | 85339 | 85543 | 80 |
| 30 | *00275 | 14798 | 85202 | 85477 | 70 |
| 40 | *00346 | 14935 | 85065 | 85412 | 60 |
| 50 | *00418 | 15071 | 84929 | 85346 | 50 |
| 60 | *00489 | 15208 | 84792 | 85281 | 40 |
| 70 | *00560 | 15344 | 84656 | 85216 | 30 |
| 80 | *00631 | 15481 | 84519 | 85150 | 20 |
| 90 | *00702 | 15617 | 84383 | 85085 | 10 |
| **65 oo** | *00773 | 15754 | 84246 | 85020 | **35 oo** |
| | ***9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | $51^g$ |
| | 71 | 136 | 136 | 66 | |

| $48^g$ | 72 | 137 | 137 | 65 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.98** | **0.01** | **9.85** | |
| **65 oo** | 00773 | 15754 | 84246 | 85020 | **35 oo** |
| 10 | 00845 | 15891 | 84109 | 84954 | 90 |
| 20 | 00916 | 16027 | 83973 | 84889 | 80 |
| 30 | 00987 | 16164 | 83836 | 84823 | 70 |
| 40 | 01058 | 16300 | 83700 | 84758 | 60 |
| 50 | 01129 | 16437 | 83563 | 84693 | 50 |
| 60 | 01200 | 16573 | 83427 | 84627 | 40 |
| 70 | 01272 | 16710 | 83290 | 84562 | 30 |
| 80 | 01343 | 16846 | 83154 | 84496 | 20 |
| 90 | 01414 | 16983 | 83017 | 84431 | 10 |
| **66 oo** | 01485 | 17120 | 82880 | 84366 | **34 oo** |
| 10 | 01556 | 17256 | 82744 | 84300 | 90 |
| 20 | 01627 | 17393 | 82607 | 84235 | 80 |
| 30 | 01699 | 17529 | 82471 | 84169 | 70 |
| 40 | 01770 | 17666 | 82334 | 84104 | 60 |
| 50 | 01841 | 17802 | 82198 | 84038 | 50 |
| 60 | 01912 | 17939 | 82061 | 83973 | 40 |
| 70 | 01983 | 18075 | 81925 | 83908 | 30 |
| 80 | 02054 | 18212 | 81788 | 83842 | 20 |
| 90 | 02125 | 18349 | 81651 | 83777 | 10 |
| **67 oo** | 02197 | 18485 | 81515 | 83711 | **33 oo** |
| 10 | 02268 | 18622 | 81378 | 83646 | 90 |
| 20 | 02339 | 18758 | 81242 | 83581 | 80 |
| 30 | 02410 | 18895 | 81105 | 83515 | 70 |
| 40 | 02481 | 19031 | 80969 | 83450 | 60 |
| 50 | 02552 | 19168 | 80832 | 83384 | 50 |
| 60 | 02623 | 19304 | 80696 | 83319 | 40 |
| 70 | 02694 | 19441 | 80559 | 83253 | 30 |
| 80 | 02765 | 19578 | 80422 | 83188 | 20 |
| 90 | 02837 | 19714 | 80286 | 83122 | 10 |
| **68 oo** | 02908 | 19851 | 80149 | 83057 | **32 oo** |
| 10 | 02979 | 19987 | 80013 | 82992 | 90 |
| 20 | 03050 | 20124 | 79876 | 82926 | 80 |
| 30 | 03121 | 20260 | 79740 | 82861 | 70 |
| 40 | 03192 | 20397 | 79603 | 82795 | 60 |
| 50 | 03263 | 20533 | 79467 | 82730 | 50 |
| 60 | 03334 | 20670 | 79330 | 82664 | 40 |
| 70 | 03405 | 20807 | 79193 | 82599 | 30 |
| 80 | 03477 | 20943 | 79057 | 82533 | 20 |
| 90 | 03548 | 21080 | 78920 | 82468 | 10 |
| **69 oo** | 03619 | 21216 | 78784 | 82402 | **31 oo** |
| 10 | 03690 | 21353 | 78647 | 82337 | 90 |
| 20 | 03761 | 21489 | 78511 | 82272 | 80 |
| 30 | 03832 | 21626 | 78374 | 82206 | 70 |
| 40 | 03903 | 21762 | 78238 | 82141 | 60 |
| 50 | 03974 | 21899 | 78101 | 82075 | 50 |
| 60 | 04045 | 22036 | 77964 | 82010 | 40 |
| 70 | 04116 | 22172 | 77828 | 81944 | 30 |
| 80 | 04187 | 22309 | 77691 | 81879 | 20 |
| 90 | 04258 | 22445 | 77555 | 81813 | 10 |
| **70 oo** | 04329 | 22582 | 77418 | 81748 | **30 oo** |
| | **9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | $51^g$ |
| | 71 | 136 | 136 | 66 | |

| | 137 | 136 | 72 | 71 | 66 | 65 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,2 | 7,1 | 6,6 | 6,5 | 1 |
| 2 | 27,4 | 27,2 | 14,4 | 14,2 | 13,2 | 13,0 | 2 |
| 3 | 41,1 | 40,8 | 21,6 | 21,3 | 19,8 | 19,5 | 3 |
| 4 | 54,8 | 54,4 | 28,8 | 28,4 | 26,4 | 26,0 | 4 |
| 5 | 68,5 | 68,0 | 36,0 | 35,5 | 33,0 | 32,5 | 5 |
| 6 | 82,2 | 81,6 | 43,2 | 42,6 | 39,6 | 39,0 | 6 |
| 7 | 95,9 | 95,2 | 50,4 | 49,7 | 46,2 | 45,5 | 7 |
| 8 | 109,6 | 108,8 | 57,6 | 56,8 | 52,8 | 52,0 | 8 |
| 9 | 123,3 | 122,4 | 64,8 | 63,9 | 59,4 | 58,5 | 9 |

| $48^g$ | 72 | 137 | 137 | 65 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.98** | **0.01** | **9.85** | |
| **70 oo** | 04329 | 22582 | 77418 | 81748 | **30 oo** |
| 10 | 04400 | 22718 | 77282 | 81682 | 90 |
| 20 | 04472 | 22855 | 77145 | 81617 | 80 |
| 30 | 04543 | 22991 | 77009 | 81551 | 70 |
| 40 | 04614 | 23128 | 76872 | 81486 | 60 |
| 50 | 04685 | 23265 | 76735 | 81420 | 50 |
| 60 | 04756 | 23401 | 76599 | 81355 | 40 |
| 70 | 04827 | 23538 | 76462 | 81289 | 30 |
| 80 | 04898 | 23674 | 76326 | 81224 | 20 |
| 90 | 04969 | 23811 | 76189 | 81158 | 10 |
| **71 oo** | 05040 | 23947 | 76053 | 81093 | **29 oo** |
| 10 | 05111 | 24084 | 75916 | 81027 | 90 |
| 20 | 05182 | 24220 | 75780 | 80962 | 80 |
| 30 | 05253 | 24357 | 75643 | 80896 | 70 |
| 40 | 05324 | 24493 | 75507 | 80831 | 60 |
| 50 | 05395 | 24630 | 75370 | 80765 | 50 |
| 60 | 05466 | 24767 | 75233 | 80700 | 40 |
| 70 | 05537 | 24903 | 75097 | 80634 | 30 |
| 80 | 05608 | 25040 | 74960 | 80569 | 20 |
| 90 | 05679 | 25176 | 74824 | 80503 | 10 |
| **72 oo** | 05750 | 25313 | 74687 | 80438 | **28 oo** |
| 10 | 05821 | 25449 | 74551 | 80372 | 90 |
| 20 | 05892 | 25586 | 74414 | 80306 | 80 |
| 30 | 05963 | 25722 | 74278 | 80241 | 70 |
| 40 | 06034 | 25859 | 74141 | 80175 | 60 |
| 50 | 06105 | 25995 | 74005 | 80110 | 50 |
| 60 | 06176 | 26132 | 73868 | 80044 | 40 |
| 70 | 06247 | 26269 | 73731 | 79979 | 30 |
| 80 | 06318 | 26405 | 73595 | 79913 | 20 |
| 90 | 06389 | 26542 | 73458 | 79848 | 10 |
| **73 oo** | 06460 | 26678 | 73322 | 79782 | **27 oo** |
| 10 | 06531 | 26815 | 73185 | 79717 | 90 |
| 20 | 06602 | 26951 | 73049 | 79651 | 80 |
| 30 | 06673 | 27088 | 72912 | 79585 | 70 |
| 40 | 06744 | 27224 | 72776 | 79520 | 60 |
| 50 | 06815 | 27361 | 72639 | 79454 | 50 |
| 60 | 06886 | 27497 | 72503 | 79389 | 40 |
| 70 | 06957 | 27634 | 72366 | 79323 | 30 |
| 80 | 07028 | 27771 | 72229 | 79258 | 20 |
| 90 | 07099 | 27907 | 72093 | 79192 | 10 |
| **74 oo** | 07170 | 28044 | 71956 | 79127 | **26 oo** |
| 10 | 07241 | 28180 | 71820 | 79061 | 90 |
| 20 | 07312 | 28317 | 71683 | 78995 | 80 |
| 30 | 07383 | 28453 | 71547 | 78930 | 70 |
| 40 | 07454 | 28590 | 71410 | 78864 | 60 |
| 50 | 07525 | 28726 | 71274 | 78799 | 50 |
| 60 | 07596 | 28863 | 71137 | 78733 | 40 |
| 70 | 07667 | 28999 | 71001 | 78667 | 30 |
| 80 | 07738 | 29136 | 70864 | 78602 | 20 |
| 90 | 07809 | 29273 | 70727 | 78536 | 10 |
| **75 oo** | 07880 | 29409 | 70591 | 78471 | **25 oo** |
| | **9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | $51^g$ |
| | 71 | 136 | 136 | 66 | |

| $48^g$ | 71 | 137 | 137 | 65 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.98** | **0.01** | **9.85** | |
| **75 oo** | 07880 | 29409 | 70591 | 78471 | **25 oo** |
| 10 | 07951 | 29546 | 70454 | 78405 | 90 |
| 20 | 08022 | 29682 | 70318 | 78340 | 80 |
| 30 | 08093 | 29819 | 70181 | 78274 | 70 |
| 40 | 08164 | 29955 | 70045 | 78208 | 60 |
| 50 | 08235 | 30092 | 69908 | 78143 | 50 |
| 60 | 08305 | 30228 | 69772 | 78077 | 40 |
| 70 | 08376 | 30365 | 69635 | 78012 | 30 |
| 80 | 08447 | 30501 | 69499 | 77946 | 20 |
| 90 | 08518 | 30638 | 69362 | 77880 | 10 |
| **76 oo** | 08589 | 30775 | 69225 | 77815 | **24 oo** |
| 10 | 08660 | 30911 | 69089 | 77749 | 90 |
| 20 | 08731 | 31048 | 68952 | 77683 | 80 |
| 30 | 08802 | 31184 | 68816 | 77618 | 70 |
| 40 | 08873 | 31321 | 68679 | 77552 | 60 |
| 50 | 08944 | 31457 | 68543 | 77487 | 50 |
| 60 | 09015 | 31594 | 68406 | 77421 | 40 |
| 70 | 09086 | 31730 | 68270 | 77355 | 30 |
| 80 | 09157 | 31867 | 68133 | 77290 | 20 |
| 90 | 09227 | 32003 | 67997 | 77224 | 10 |
| **77 oo** | 09298 | 32140 | 67860 | 77158 | **23 oo** |
| 10 | 09369 | 32276 | 67724 | 77093 | 90 |
| 20 | 09440 | 32413 | 67587 | 77027 | 80 |
| 30 | 09511 | 32550 | 67450 | 76962 | 70 |
| 40 | 09582 | 32686 | 67314 | 76896 | 60 |
| 50 | 09653 | 32823 | 67177 | 76830 | 50 |
| 60 | 09724 | 32959 | 67041 | 76765 | 40 |
| 70 | 09795 | 33096 | 66904 | 76699 | 30 |
| 80 | 09866 | 33232 | 66768 | 76633 | 20 |
| 90 | 09936 | 33369 | 66631 | 76568 | 10 |
| **78 oo** | 10007 | 33505 | 66495 | 76502 | **22 oo** |
| 10 | 10078 | 33642 | 66358 | 76436 | 90 |
| 20 | 10149 | 33778 | 66222 | 76371 | 80 |
| 30 | 10220 | 33915 | 66085 | 76305 | 70 |
| 40 | 10291 | 34051 | 65949 | 76239 | 60 |
| 50 | 10362 | 34188 | 65812 | 76174 | 50 |
| 60 | 10433 | 34325 | 65675 | 76108 | 40 |
| 70 | 10503 | 34461 | 65539 | 76042 | 30 |
| 80 | 10574 | 34598 | 65402 | 75977 | 20 |
| 90 | 10645 | 34734 | 65266 | 75911 | 10 |
| **79 oo** | 10716 | 34871 | 65129 | 75845 | **21 oo** |
| 10 | 10787 | 35007 | 64993 | 75780 | 90 |
| 20 | 10858 | 35144 | 64856 | 75714 | 80 |
| 30 | 10929 | 35280 | 64720 | 75648 | 70 |
| 40 | 11000 | 35417 | 64583 | 75583 | 60 |
| 50 | 11070 | 35553 | 64447 | 75517 | 50 |
| 60 | 11141 | 35690 | 64310 | 75451 | 40 |
| 70 | 11212 | 35826 | 64174 | 75386 | 30 |
| 80 | 11283 | 35963 | 64037 | 75320 | 20 |
| 90 | 11354 | 36100 | 63900 | 75254 | 10 |
| **80 oo** | 11425 | 36236 | 63764 | 75189 | **20 oo** |
| | **9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | $51^g$ |
| | 70 | 136 | 136 | 66 | |

| | 137 | 136 | 72 | 71 | 70 | 66 | 65 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,2 | 7,1 | 7,0 | 6,6 | 6,5 | 1 |
| 2 | 27,4 | 27,2 | 14,4 | 14,2 | 14,0 | 13,2 | 13,0 | 2 |
| 3 | 41,1 | 40,8 | 21,6 | 21,3 | 21,0 | 19,8 | 19,5 | 3 |
| 4 | 54,8 | 54,4 | 28,8 | 28,4 | 28,0 | 26,4 | 26,0 | 4 |
| 5 | 68,5 | 68,0 | 36,0 | 35,5 | 35,0 | 33,0 | 32,5 | 5 |
| 6 | 82,2 | 81,6 | 43,2 | 42,6 | 42,0 | 39,6 | 39,0 | 6 |
| 7 | 95,9 | 95,2 | 50,4 | 49,7 | 49,0 | 46,2 | 45,5 | 7 |
| 8 | 109,6 | 108,8 | 57,6 | 56,8 | 56,0 | 52,8 | 52,0 | 8 |
| 9 | 123,3 | 122,4 | 64,8 | 63,9 | 63,0 | 59,4 | 58,5 | 9 |

| 48g | 71 | 137 | 137 | 65 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.98** | **0.01** | **9.85** | |
| **80 oo** | 11425 | 36236 | 63764 | 75189 | **20 oo** |
| 10 | 11495 | 36373 | 63627 | 75123 | 90 |
| 20 | 11566 | 36509 | 63491 | 75057 | 80 |
| 30 | 11637 | 36646 | 63354 | 74991 | 70 |
| 40 | 11708 | 36782 | 63218 | 74926 | 60 |
| 50 | 11779 | 36919 | 63081 | 74860 | 50 |
| 60 | 11850 | 37055 | 62945 | 74794 | 40 |
| 70 | 11920 | 37192 | 62808 | 74729 | 30 |
| 80 | 11991 | 37328 | 62672 | 74663 | 20 |
| 90 | 12062 | 37465 | 62535 | 74597 | 10 |
| **81 oo** | 12133 | 37601 | 62399 | 74532 | **19 oo** |
| 10 | 12204 | 37738 | 62262 | 74466 | 90 |
| 20 | 12275 | 37874 | 62126 | 74400 | 80 |
| 30 | 12345 | 38011 | 61989 | 74334 | 70 |
| 40 | 12416 | 38148 | 61852 | 74269 | 60 |
| 50 | 12487 | 38284 | 61716 | 74203 | 50 |
| 60 | 12558 | 38421 | 61579 | 74137 | 40 |
| 70 | 12629 | 38557 | 61443 | 74071 | 30 |
| 80 | 12699 | 38694 | 61306 | 74006 | 20 |
| 90 | 12770 | 38830 | 61170 | 73940 | 10 |
| **82 oo** | 12841 | 38967 | 61033 | 73874 | **18 oo** |
| 10 | 12912 | 39103 | 60897 | 73809 | 90 |
| 20 | 12983 | 39240 | 60760 | 73743 | 80 |
| 30 | 13053 | 39376 | 60624 | 73677 | 70 |
| 40 | 13124 | 39513 | 60487 | 73611 | 60 |
| 50 | 13195 | 39649 | 60351 | 73546 | 50 |
| 60 | 13266 | 39786 | 60214 | 73480 | 40 |
| 70 | 13336 | 39922 | 60078 | 73414 | 30 |
| 80 | 13407 | 40059 | 59941 | 73348 | 20 |
| 90 | 13478 | 40195 | 59805 | 73283 | 10 |
| **83 oo** | 13549 | 40332 | 59668 | 73217 | **17 oo** |
| 10 | 13620 | 40469 | 59531 | 73151 | 90 |
| 20 | 13690 | 40605 | 59395 | 73085 | 80 |
| 30 | 13761 | 40742 | 59258 | 73020 | 70 |
| 40 | 13832 | 40878 | 59122 | 72954 | 60 |
| 50 | 13903 | 41015 | 58985 | 72888 | 50 |
| 60 | 13973 | 41151 | 58849 | 72822 | 40 |
| 70 | 14044 | 41288 | 58712 | 72756 | 30 |
| 80 | 14115 | 41424 | 58576 | 72691 | 20 |
| 90 | 14186 | 41561 | 58439 | 72625 | 10 |
| **84 oo** | 14256 | 41697 | 58303 | 72559 | **16 oo** |
| 10 | 14327 | 41834 | 58166 | 72493 | 90 |
| 20 | 14398 | 41970 | 58030 | 72428 | 80 |
| 30 | 14469 | 42107 | 57893 | 72362 | 70 |
| 40 | 14539 | 42243 | 57757 | 72296 | 60 |
| 50 | 14610 | 42380 | 57620 | 72230 | 50 |
| 60 | 14681 | 42516 | 57484 | 72164 | 40 |
| 70 | 14752 | 42653 | 57347 | 72099 | 30 |
| 80 | 14822 | 42790 | 57210 | 72033 | 20 |
| 90 | 14893 | 42926 | 57074 | 71967 | 10 |
| **85 oo** | 14964 | 43063 | 56937 | 71901 | **15 oo** |
| | **9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | **51g** |
| | 70 | 136 | 136 | 66 | |

| 48g | 71 | 137 | 137 | 65 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.98** | **0.01** | **9.85** | |
| **85 oo** | 14964 | 43063 | 56937 | 71901 | **15 oo** |
| 10 | 15035 | 43199 | 56801 | 71835 | 90 |
| 20 | 15105 | 43336 | 56664 | 71770 | 80 |
| 30 | 15176 | 43472 | 56528 | 71704 | 70 |
| 40 | 15247 | 43609 | 56391 | 71638 | 60 |
| 50 | 15317 | 43745 | 56255 | 71572 | 50 |
| 60 | 15388 | 43882 | 56118 | 71506 | 40 |
| 70 | 15459 | 44018 | 55982 | 71441 | 30 |
| 80 | 15530 | 44155 | 55845 | 71375 | 20 |
| 90 | 15600 | 44291 | 55709 | 71309 | 10 |
| **86 oo** | 15671 | 44428 | 55572 | 71243 | **14 oo** |
| 10 | 15742 | 44564 | 55436 | 71177 | 90 |
| 20 | 15812 | 44701 | 55299 | 71112 | 80 |
| 30 | 15883 | 44837 | 55163 | 71046 | 70 |
| 40 | 15954 | 44974 | 55026 | 70980 | 60 |
| 50 | 16025 | 45110 | 54890 | 70914 | 50 |
| 60 | 16095 | 45247 | 54753 | 70848 | 40 |
| 70 | 16166 | 45384 | 54616 | 70782 | 30 |
| 80 | 16237 | 45520 | 54480 | 70717 | 20 |
| 90 | 16307 | 45657 | 54343 | 70651 | 10 |
| **87 oo** | 16378 | 45793 | 54207 | 70585 | **13 oo** |
| 10 | 16449 | 45930 | 54070 | 70519 | 90 |
| 20 | 16519 | 46066 | 53934 | 70453 | 80 |
| 30 | 16590 | 46203 | 53797 | 70387 | 70 |
| 40 | 16661 | 46339 | 53661 | 70322 | 60 |
| 50 | 16731 | 46476 | 53524 | 70256 | 50 |
| 60 | 16802 | 46612 | 53388 | 70190 | 40 |
| 70 | 16873 | 46749 | 53251 | 70124 | 30 |
| 80 | 16943 | 46885 | 53115 | 70058 | 20 |
| 90 | 17014 | 47022 | 52978 | 69992 | 10 |
| **88 oo** | 17085 | 47158 | 52842 | 69926 | **12 oo** |
| 10 | 17155 | 47295 | 52705 | 69861 | 90 |
| 20 | 17226 | 47431 | 52569 | 69795 | 80 |
| 30 | 17297 | 47568 | 52432 | 69729 | 70 |
| 40 | 17367 | 47704 | 52296 | 69663 | 60 |
| 50 | 17438 | 47841 | 52159 | 69597 | 50 |
| 60 | 17509 | 47977 | 52023 | 69531 | 40 |
| 70 | 17579 | 48114 | 51886 | 69465 | 30 |
| 80 | 17650 | 48250 | 51750 | 69399 | 20 |
| 90 | 17721 | 48387 | 51613 | 69334 | 10 |
| **89 oo** | 17791 | 48524 | 51476 | 69268 | **11 oo** |
| 10 | 17862 | 48660 | 51340 | 69202 | 90 |
| 20 | 17932 | 48797 | 51203 | 69136 | 80 |
| 30 | 18003 | 48933 | 51067 | 69070 | 70 |
| 40 | 18074 | 49070 | 50930 | 69004 | 60 |
| 50 | 18144 | 49206 | 50794 | 68938 | 50 |
| 60 | 18215 | 49343 | 50657 | 68872 | 40 |
| 70 | 18286 | 49479 | 50521 | 68806 | 30 |
| 80 | 18356 | 49616 | 50384 | 68741 | 20 |
| 90 | 18427 | 49752 | 50248 | 68675 | 10 |
| **90 oo** | 18498 | 49889 | 50111 | 68609 | **10 oo** |
| | **9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | **51g** |
| | 70 | 136 | 136 | 66 | |

| | 137 | 136 | 71 | 70 | 66 | 65 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,1 | 7,0 | 6,6 | 6,5 | 1 |
| 2 | 27,4 | 27,2 | 14,2 | 14,0 | 13,2 | 13,0 | 2 |
| 3 | 41,1 | 40,8 | 21,3 | 21,0 | 19,8 | 19,5 | 3 |
| 4 | 54,8 | 54,4 | 28,4 | 28,0 | 26,4 | 26,0 | 4 |
| 5 | 68,5 | 68,0 | 35,5 | 35,0 | 33,0 | 32,5 | 5 |
| 6 | 82,2 | 81,6 | 42,6 | 42,0 | 39,6 | 39,0 | 6 |
| 7 | 95,9 | 95,2 | 49,7 | 49,0 | 46,2 | 45,5 | 7 |
| 8 | 109,6 | 108,8 | 56,8 | 56,0 | 52,8 | 52,0 | 8 |
| 9 | 123,3 | 122,4 | 63,9 | 63,0 | 59,4 | 58,5 | 9 |

| 48g | 71 | 137 | 137 | 65 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.98** | **0.01** | **9.85** | |
| **90 00** | 18498 | 49889 | 50111 | 68609 | **10 00** |
| 10 | 18568 | 50025 | 49975 | 68543 | 90 |
| 20 | 18639 | 50162 | 49838 | 68477 | 80 |
| 30 | 18709 | 50298 | 49702 | 68411 | 70 |
| 40 | 18780 | 50435 | 49565 | 68345 | 60 |
| 50 | 18851 | 50571 | 49429 | 68279 | 50 |
| 60 | 18921 | 50708 | 49292 | 68213 | 40 |
| 70 | 18992 | 50844 | 49156 | 68147 | 30 |
| 80 | 19062 | 50981 | 49019 | 68082 | 20 |
| 90 | 19133 | 51117 | 48883 | 68016 | 10 |
| **91 00** | 19204 | 51254 | 48746 | 67950 | **09 00** |
| 10 | 19274 | 51390 | 48610 | 67884 | 90 |
| 20 | 19345 | 51527 | 48473 | 67818 | 80 |
| 30 | 19415 | 51663 | 48337 | 67752 | 70 |
| 40 | 19486 | 51800 | 48200 | 67686 | 60 |
| 50 | 19557 | 51936 | 48064 | 67620 | 50 |
| 60 | 19627 | 52073 | 47927 | 67554 | 40 |
| 70 | 19698 | 52210 | 47790 | 67488 | 30 |
| 80 | 19768 | 52346 | 47654 | 67422 | 20 |
| 90 | 19839 | 52483 | 47517 | 67356 | 10 |
| **92 00** | 19909 | 52619 | 47381 | 67290 | **08 00** |
| 10 | 19980 | 52756 | 47244 | 67224 | 90 |
| 20 | 20051 | 52892 | 47108 | 67158 | 80 |
| 30 | 20121 | 53029 | 46971 | 67093 | 70 |
| 40 | 20192 | 53165 | 46835 | 67027 | 60 |
| 50 | 20262 | 53302 | 46698 | 66961 | 50 |
| 60 | 20333 | 53438 | 46562 | 66895 | 40 |
| 70 | 20403 | 53575 | 46425 | 66829 | 30 |
| 80 | 20474 | 53711 | 46289 | 66763 | 20 |
| 90 | 20545 | 53848 | 46152 | 66697 | 10 |
| **93 00** | 20615 | 53984 | 46016 | 66631 | **07 00** |
| 10 | 20686 | 54121 | 45879 | 66565 | 90 |
| 20 | 20756 | 54257 | 45743 | 66499 | 80 |
| 30 | 20827 | 54394 | 45606 | 66433 | 70 |
| 40 | 20897 | 54530 | 45470 | 66367 | 60 |
| 50 | 20968 | 54667 | 45333 | 66301 | 50 |
| 60 | 21038 | 54803 | 45197 | 66235 | 40 |
| 70 | 21109 | 54940 | 45060 | 66169 | 30 |
| 80 | 21179 | 55076 | 44924 | 66103 | 20 |
| 90 | 21250 | 55213 | 44787 | 66037 | 10 |
| **94 00** | 21320 | 55349 | 44651 | 65971 | **06 00** |
| 10 | 21391 | 55486 | 44514 | 65905 | 90 |
| 20 | 21462 | 55622 | 44378 | 65839 | 80 |
| 30 | 21532 | 55759 | 44241 | 65773 | 70 |
| 40 | 21603 | 55895 | 44105 | 65707 | 60 |
| 50 | 21673 | 56032 | 43968 | 65641 | 50 |
| 60 | 21744 | 56168 | 43832 | 65575 | 40 |
| 70 | 21814 | 56305 | 43695 | 65509 | 30 |
| 80 | 21885 | 56441 | 43559 | 65443 | 20 |
| 90 | 21955 | 56578 | 43422 | 65377 | 10 |
| **95 00** | 22026 | 56714 | 43286 | 65311 | **05 00** |
| | **9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | **51g** |
| | 70 | 136 | 136 | 66 | |

| 48g | 71 | 137 | 137 | 66 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.98** | **0.01** | **9.85** | |
| **95 00** | 22026 | 56714 | 43286 | 65311 | **05 00** |
| 10 | 22096 | 56851 | 43149 | 65245 | 90 |
| 20 | 22167 | 56988 | 43012 | 65179 | 80 |
| 30 | 22237 | 57124 | 42876 | 65113 | 70 |
| 40 | 22308 | 57261 | 42739 | 65047 | 60 |
| 50 | 22378 | 57397 | 42603 | 64981 | 50 |
| 60 | 22449 | 57534 | 42466 | 64915 | 40 |
| 70 | 22519 | 57670 | 42330 | 64849 | 30 |
| 80 | 22590 | 57807 | 42193 | 64783 | 20 |
| 90 | 22660 | 57943 | 42057 | 64717 | 10 |
| **96 00** | 22731 | 58080 | 41920 | 64651 | **04 00** |
| 10 | 22801 | 58216 | 41784 | 64585 | 90 |
| 20 | 22872 | 58353 | 41647 | 64519 | 80 |
| 30 | 22942 | 58489 | 41511 | 64453 | 70 |
| 40 | 23013 | 58626 | 41374 | 64387 | 60 |
| 50 | 23083 | 58762 | 41238 | 64321 | 50 |
| 60 | 23153 | 58899 | 41101 | 64255 | 40 |
| 70 | 23224 | 59035 | 40965 | 64189 | 30 |
| 80 | 23294 | 59172 | 40828 | 64123 | 20 |
| 90 | 23365 | 59308 | 40692 | 64057 | 10 |
| **97 00** | 23435 | 59445 | 40555 | 63991 | **03 00** |
| 10 | 23506 | 59581 | 40419 | 63925 | 90 |
| 20 | 23576 | 59718 | 40282 | 63859 | 80 |
| 30 | 23647 | 59854 | 40146 | 63792 | 70 |
| 40 | 23717 | 59991 | 40009 | 63726 | 60 |
| 50 | 23788 | 60127 | 39873 | 63660 | 50 |
| 60 | 23858 | 60264 | 39736 | 63594 | 40 |
| 70 | 23929 | 60400 | 39600 | 63528 | 30 |
| 80 | 23999 | 60537 | 39463 | 63462 | 20 |
| 90 | 24069 | 60673 | 39327 | 63396 | 10 |
| **98 00** | 24140 | 60810 | 39190 | 63330 | **02 00** |
| 10 | 24210 | 60946 | 39054 | 63264 | 90 |
| 20 | 24281 | 61083 | 38917 | 63198 | 80 |
| 30 | 24351 | 61219 | 38781 | 63132 | 70 |
| 40 | 24422 | 61356 | 38644 | 63066 | 60 |
| 50 | 24492 | 61492 | 38508 | 63000 | 50 |
| 60 | 24562 | 61629 | 38371 | 62934 | 40 |
| 70 | 24633 | 61765 | 38235 | 62868 | 30 |
| 80 | 24703 | 61902 | 38098 | 62801 | 20 |
| 90 | 24774 | 62038 | 37962 | 62735 | 10 |
| **99 00** | 24844 | 62175 | 37825 | 62669 | **01 00** |
| 10 | 24915 | 62311 | 37689 | 62603 | 90 |
| 20 | 24985 | 62448 | 37552 | 62537 | 80 |
| 30 | 25055 | 62584 | 37416 | 62471 | 70 |
| 40 | 25126 | 62721 | 37279 | 62405 | 60 |
| 50 | 25196 | 62857 | 37143 | 62339 | 50 |
| 60 | 25267 | 62994 | 37006 | 62273 | 40 |
| 70 | 25337 | 63130 | 36870 | 62207 | 30 |
| 80 | 25407 | 63267 | 36733 | 62141 | 20 |
| 90 | 25478 | 63403 | 36597 | 62074 | 10 |
| **100 00** | 25548 | 63540 | 36460 | 62008 | **00 00** |
| | **9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | **51g** |
| | 70 | 136 | 136 | 67 | |

| | 137 | 136 | 71 | 70 | 67 | 66 | 65 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,1 | 7,0 | 6,7 | 6,6 | 6,5 | 1 |
| 2 | 27,4 | 27,2 | 14,2 | 14,0 | 13,4 | 13,2 | 13,0 | 2 |
| 3 | 41,1 | 40,8 | 21,3 | 21,0 | 20,1 | 19,8 | 19,5 | 3 |
| 4 | 54,8 | 54,4 | 28,4 | 28,0 | 26,8 | 26,4 | 26,0 | 4 |
| 5 | 68,5 | 68,0 | 35,5 | 35,0 | 33,5 | 33,0 | 32,5 | 5 |
| 6 | 82,2 | 81,6 | 42,6 | 42,0 | 40,2 | 39,6 | 39,0 | 6 |
| 7 | 95,9 | 95,2 | 49,7 | 49,0 | 46,9 | 46,2 | 45,5 | 7 |
| 8 | 109,6 | 108,8 | 56,8 | 56,0 | 53,6 | 52,8 | 52,0 | 8 |
| 9 | 123,3 | 122,4 | 63,9 | 63,0 | 60,3 | 59,4 | 58,5 | 9 |

| 49g | 71 | 137 | 137 | 66 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.98** | **0.01** | **9.85** | |
| **00 oo** | 25548 | 63540 | 36460 | 62008 | **100 oo** |
| 10 | 25619 | 63676 | 36324 | 61942 | 90 |
| 20 | 25689 | 63813 | 36187 | 61876 | 80 |
| 30 | 25759 | 63949 | 36051 | 61810 | 70 |
| 40 | 25830 | 64086 | 35914 | 61744 | 60 |
| 50 | 25900 | 64222 | 35778 | 61678 | 50 |
| 60 | 25971 | 64359 | 35641 | 61612 | 40 |
| 70 | 26041 | 64495 | 35505 | 61545 | 30 |
| 80 | 26111 | 64632 | 35368 | 61479 | 20 |
| 90 | 26182 | 64768 | 35232 | 61413 | 10 |
| **01 oo** | 26252 | 64905 | 35095 | 61347 | **99 oo** |
| 10 | 26322 | 65041 | 34959 | 61281 | 90 |
| 20 | 26393 | 65178 | 34822 | 61215 | 80 |
| 30 | 26463 | 65314 | 34686 | 61149 | 70 |
| 40 | 26534 | 65451 | 34549 | 61083 | 60 |
| 50 | 26604 | 65587 | 34413 | 61016 | 50 |
| 60 | 26674 | 65724 | 34276 | 60950 | 40 |
| 70 | 26745 | 65860 | 34140 | 60884 | 30 |
| 80 | 26815 | 65997 | 34003 | 60818 | 20 |
| 90 | 26885 | 66133 | 33867 | 60752 | 10 |
| **02 oo** | 26956 | 66270 | 33730 | 60686 | **98 oo** |
| 10 | 27026 | 66406 | 33594 | 60620 | 90 |
| 20 | 27096 | 66543 | 33457 | 60553 | 80 |
| 30 | 27167 | 66679 | 33321 | 60487 | 70 |
| 40 | 27237 | 66816 | 33184 | 60421 | 60 |
| 50 | 27307 | 66952 | 33048 | 60355 | 50 |
| 60 | 27378 | 67089 | 32911 | 60289 | 40 |
| 70 | 27448 | 67226 | 32774 | 60223 | 30 |
| 80 | 27518 | 67362 | 32638 | 60156 | 20 |
| 90 | 27589 | 67499 | 32501 | 60090 | 10 |
| **03 oo** | 27659 | 67635 | 32365 | 60024 | **97 oo** |
| 10 | 27729 | 67772 | 32228 | 59958 | 90 |
| 20 | 27800 | 67908 | 32092 | 59892 | 80 |
| 30 | 27870 | 68045 | 31955 | 59826 | 70 |
| 40 | 27940 | 68181 | 31819 | 59759 | 60 |
| 50 | 28011 | 68318 | 31682 | 59693 | 50 |
| 60 | 28081 | 68454 | 31546 | 59627 | 40 |
| 70 | 28151 | 68591 | 31409 | 59561 | 30 |
| 80 | 28222 | 68727 | 31273 | 59495 | 20 |
| 90 | 28292 | 68864 | 31136 | 59428 | 10 |
| **04 oo** | 28362 | 69000 | 31000 | 59362 | **96 oo** |
| 10 | 28433 | 69137 | 30863 | 59296 | 90 |
| 20 | 28503 | 69273 | 30727 | 59230 | 80 |
| 30 | 28573 | 69410 | 30590 | 59164 | 70 |
| 40 | 28644 | 69546 | 30454 | 59098 | 60 |
| 50 | 28714 | 69683 | 30317 | 59031 | 50 |
| 60 | 28784 | 69819 | 30181 | 58965 | 40 |
| 70 | 28854 | 69956 | 30044 | 58899 | 30 |
| 80 | 28925 | 70092 | 29908 | 58833 | 20 |
| 90 | 28995 | 70229 | 29771 | 58766 | 10 |
| **05 oo** | 29065 | 70365 | 29635 | 58700 | **95 oo** |
| | **9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 70 | 136 | 136 | 67 | |

| 49g | 71 | 137 | 137 | 66 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.98** | **0.01** | **9.85** | |
| **05 oo** | 29065 | 70365 | 29635 | 58700 | **95 oo** |
| 10 | 29136 | 70501 | 29499 | 58634 | 90 |
| 20 | 29206 | 70638 | 29362 | 58568 | 80 |
| 30 | 29276 | 70774 | 29226 | 58502 | 70 |
| 40 | 29346 | 70911 | 29089 | 58435 | 60 |
| 50 | 29417 | 71047 | 28953 | 58369 | 50 |
| 60 | 29487 | 71184 | 28816 | 58303 | 40 |
| 70 | 29557 | 71320 | 28680 | 58237 | 30 |
| 80 | 29627 | 71457 | 28543 | 58171 | 20 |
| 90 | 29698 | 71593 | 28407 | 58104 | 10 |
| **06 oo** | 29768 | 71730 | 28270 | 58038 | **94 oo** |
| 10 | 29838 | 71866 | 28134 | 57972 | 90 |
| 20 | 29909 | 72003 | 27997 | 57906 | 80 |
| 30 | 29979 | 72139 | 27861 | 57839 | 70 |
| 40 | 30049 | 72276 | 27724 | 57773 | 60 |
| 50 | 30119 | 72412 | 27588 | 57707 | 50 |
| 60 | 30190 | 72549 | 27451 | 57641 | 40 |
| 70 | 30260 | 72685 | 27315 | 57574 | 30 |
| 80 | 30330 | 72822 | 27178 | 57508 | 20 |
| 90 | 30400 | 72958 | 27042 | 57442 | 10 |
| **07 oo** | 30471 | 73095 | 26905 | 57376 | **93 oo** |
| 10 | 30541 | 73231 | 26769 | 57309 | 90 |
| 20 | 30611 | 73368 | 26632 | 57243 | 80 |
| 30 | 30681 | 73504 | 26496 | 57177 | 70 |
| 40 | 30752 | 73641 | 26359 | 57111 | 60 |
| 50 | 30822 | 73777 | 26223 | 57044 | 50 |
| 60 | 30892 | 73914 | 26086 | 56978 | 40 |
| 70 | 30962 | 74050 | 25950 | 56912 | 30 |
| 80 | 31032 | 74187 | 25813 | 56846 | 20 |
| 90 | 31103 | 74323 | 25677 | 56779 | 10 |
| **08 oo** | 31173 | 74460 | 25540 | 56713 | **92 oo** |
| 10 | 31243 | 74596 | 25404 | 56647 | 90 |
| 20 | 31313 | 74733 | 25267 | 56580 | 80 |
| 30 | 31384 | 74869 | 25131 | 56514 | 70 |
| 40 | 31454 | 75006 | 24994 | 56448 | 60 |
| 50 | 31524 | 75142 | 24858 | 56382 | 50 |
| 60 | 31594 | 75279 | 24721 | 56315 | 40 |
| 70 | 31664 | 75415 | 24585 | 56249 | 30 |
| 80 | 31735 | 75552 | 24448 | 56183 | 20 |
| 90 | 31805 | 75688 | 24312 | 56116 | 10 |
| **09 oo** | 31875 | 75825 | 24175 | 56050 | **91 oo** |
| 10 | 31945 | 75961 | 24039 | 55984 | 90 |
| 20 | 32015 | 76098 | 23902 | 55918 | 80 |
| 30 | 32086 | 76234 | 23766 | 55851 | 70 |
| 40 | 32156 | 76371 | 23629 | 55785 | 60 |
| 50 | 32226 | 76507 | 23493 | 55719 | 50 |
| 60 | 32296 | 76644 | 23356 | 55652 | 40 |
| 70 | 32366 | 76780 | 23220 | 55586 | 30 |
| 80 | 32436 | 76917 | 23083 | 55520 | 20 |
| 90 | 32507 | 77053 | 22947 | 55453 | 10 |
| **10 oo** | 32577 | 77190 | 22810 | 55387 | **90 oo** |
| | **9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 70 | 136 | 136 | 67 | |

| | 137 | 136 | 71 | 70 | 67 | 66 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,1 | 7,0 | 6,7 | 6,6 | 1 |
| 2 | 27,4 | 27,2 | 14,2 | 14,0 | 13,4 | 13,2 | 2 |
| 3 | 41,1 | 40,8 | 21,3 | 21,0 | 20,1 | 19,8 | 3 |
| 4 | 54,8 | 54,4 | 28,4 | 28,0 | 26,8 | 26,4 | 4 |
| 5 | 68,5 | 68,0 | 35,5 | 35,0 | 33,5 | 33,0 | 5 |
| 6 | 82,2 | 81,6 | 42,6 | 42,0 | 40,2 | 39,6 | 6 |
| 7 | 95,9 | 95,2 | 49,7 | 49,0 | 46,9 | 46,2 | 7 |
| 8 | 109,6 | 108,8 | 56,8 | 56,0 | 53,6 | 52,8 | 8 |
| 9 | 123,3 | 122,4 | 63,9 | 63,0 | 60,3 | 59,4 | 9 |

| 49g | 71 | 137 | 137 | 66 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.98** | **0.01** | **9.85** | |
| **10 oo** | 32577 | 77190 | 22810 | 55387 | **90 oo** |
| 10 | 32647 | 77326 | 22674 | 55321 | 90 |
| 20 | 32717 | 77463 | 22537 | 55254 | 80 |
| 30 | 32787 | 77599 | 22401 | 55188 | 70 |
| 40 | 32857 | 77736 | 22264 | 55122 | 60 |
| 50 | 32928 | 77872 | 22128 | 55055 | 50 |
| 60 | 32998 | 78009 | 21991 | 54989 | 40 |
| 70 | 33068 | 78145 | 21855 | 54923 | 30 |
| 80 | 33138 | 78282 | 21718 | 54856 | 20 |
| 90 | 33208 | 78418 | 21582 | 54790 | 10 |
| **11 oo** | 33278 | 78555 | 21445 | 54724 | **89 oo** |
| 10 | 33349 | 78691 | 21309 | 54657 | 90 |
| 20 | 33419 | 78828 | 21172 | 54591 | 80 |
| 30 | 33489 | 78964 | 21036 | 54525 | 70 |
| 40 | 33559 | 79101 | 20899 | 54458 | 60 |
| 50 | 33629 | 79237 | 20763 | 54392 | 50 |
| 60 | 33699 | 79374 | 20626 | 54326 | 40 |
| 70 | 33769 | 79510 | 20490 | 54259 | 30 |
| 80 | 33840 | 79647 | 20353 | 54193 | 20 |
| 90 | 33910 | 79783 | 20217 | 54127 | 10 |
| **12 oo** | 33980 | 79920 | 20080 | 54060 | **88 oo** |
| 10 | 34050 | 80056 | 19944 | 53994 | 90 |
| 20 | 34120 | 80193 | 19807 | 53928 | 80 |
| 30 | 34190 | 80329 | 19671 | 53861 | 70 |
| 40 | 34260 | 80466 | 19534 | 53795 | 60 |
| 50 | 34331 | 80602 | 19398 | 53728 | 50 |
| 60 | 34401 | 80739 | 19261 | 53662 | 40 |
| 70 | 34471 | 80875 | 19125 | 53596 | 30 |
| 80 | 34541 | 81011 | 18989 | 53529 | 20 |
| 90 | 34611 | 81148 | 18852 | 53463 | 10 |
| **13 oo** | 34681 | 81284 | 18716 | 53397 | **87 oo** |
| 10 | 34751 | 81421 | 18579 | 53330 | 90 |
| 20 | 34821 | 81557 | 18443 | 53264 | 80 |
| 30 | 34891 | 81694 | 18306 | 53197 | 70 |
| 40 | 34962 | 81830 | 18170 | 53131 | 60 |
| 50 | 35032 | 81967 | 18033 | 53065 | 50 |
| 60 | 35102 | 82103 | 17897 | 52998 | 40 |
| 70 | 35172 | 82240 | 17760 | 52932 | 30 |
| 80 | 35242 | 82376 | 17624 | 52866 | 20 |
| 90 | 35312 | 82513 | 17487 | 52799 | 10 |
| **14 oo** | 35382 | 82649 | 17351 | 52733 | **86 oo** |
| 10 | 35452 | 82786 | 17214 | 52666 | 90 |
| 20 | 35522 | 82922 | 17078 | 52600 | 80 |
| 30 | 35592 | 83059 | 16941 | 52533 | 70 |
| 40 | 35662 | 83195 | 16805 | 52467 | 60 |
| 50 | 35732 | 83332 | 16668 | 52401 | 50 |
| 60 | 35803 | 83468 | 16532 | 52334 | 40 |
| 70 | 35873 | 83605 | 16395 | 52268 | 30 |
| 80 | 35943 | 83741 | 16259 | 52201 | 20 |
| 90 | 36013 | 83878 | 16122 | 52135 | 10 |
| **15 oo** | 36083 | 84014 | 15986 | 52069 | **85 oo** |
| | **9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 70 | 136 | 136 | 67 | |

| 49g | 71 | 137 | 137 | 66 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.98** | **0.01** | **9.85** | |
| **15 oo** | 36083 | 84014 | 15986 | 52069 | **85 oo** |
| 10 | 36153 | 84151 | 15849 | 52002 | 90 |
| 20 | 36223 | 84287 | 15713 | 51936 | 80 |
| 30 | 36293 | 84424 | 15576 | 51869 | 70 |
| 40 | 36363 | 84560 | 15440 | 51803 | 60 |
| 50 | 36433 | 84697 | 15303 | 51736 | 50 |
| 60 | 36503 | 84833 | 15167 | 51670 | 40 |
| 70 | 36573 | 84970 | 15030 | 51604 | 30 |
| 80 | 36643 | 85106 | 14894 | 51537 | 20 |
| 90 | 36713 | 85243 | 14757 | 51471 | 10 |
| **16 oo** | 36783 | 85379 | 14621 | 51404 | **84 oo** |
| 10 | 36853 | 85516 | 14484 | 51338 | 90 |
| 20 | 36923 | 85652 | 14348 | 51271 | 80 |
| 30 | 36993 | 85789 | 14211 | 51205 | 70 |
| 40 | 37064 | 85925 | 14075 | 51139 | 60 |
| 50 | 37134 | 86062 | 13938 | 51072 | 50 |
| 60 | 37204 | 86198 | 13802 | 51006 | 40 |
| 70 | 37274 | 86334 | 13666 | 50939 | 30 |
| 80 | 37344 | 86471 | 13529 | 50873 | 20 |
| 90 | 37414 | 86607 | 13393 | 50806 | 10 |
| **17 oo** | 37484 | 86744 | 13256 | 50740 | **83 oo** |
| 10 | 37554 | 86880 | 13120 | 50673 | 90 |
| 20 | 37624 | 87017 | 12983 | 50607 | 80 |
| 30 | 37694 | 87153 | 12847 | 50540 | 70 |
| 40 | 37764 | 87290 | 12710 | 50474 | 60 |
| 50 | 37834 | 87426 | 12574 | 50407 | 50 |
| 60 | 37904 | 87563 | 12437 | 50341 | 40 |
| 70 | 37974 | 87699 | 12301 | 50274 | 30 |
| 80 | 38044 | 87836 | 12164 | 50208 | 20 |
| 90 | 38114 | 87972 | 12028 | 50142 | 10 |
| **18 oo** | 38184 | 88109 | 11891 | 50075 | **82 oo** |
| 10 | 38254 | 88245 | 11755 | 50009 | 90 |
| 20 | 38324 | 88382 | 11618 | 49942 | 80 |
| 30 | 38394 | 88518 | 11482 | 49876 | 70 |
| 40 | 38464 | 88655 | 11345 | 49809 | 60 |
| 50 | 38534 | 88791 | 11209 | 49743 | 50 |
| 60 | 38604 | 88928 | 11072 | 49676 | 40 |
| 70 | 38674 | 89064 | 10936 | 49610 | 30 |
| 80 | 38744 | 89201 | 10799 | 49543 | 20 |
| 90 | 38814 | 89337 | 10663 | 49477 | 10 |
| **19 oo** | 38884 | 89474 | 10526 | 49410 | **81 oo** |
| 10 | 38954 | 89610 | 10390 | 49344 | 90 |
| 20 | 39024 | 89747 | 10253 | 49277 | 80 |
| 30 | 39094 | 89883 | 10117 | 49211 | 70 |
| 40 | 39164 | 90020 | 09980 | 49144 | 60 |
| 50 | 39234 | 90156 | 09844 | 49078 | 50 |
| 60 | 39304 | 90292 | 09708 | 49011 | 40 |
| 70 | 39373 | 90429 | 09571 | 48945 | 30 |
| 80 | 39443 | 90565 | 09435 | 48878 | 20 |
| 90 | 39513 | 90702 | 09298 | 48811 | 10 |
| **20 oo** | 39583 | 90838 | 09162 | 48745 | **80 oo** |
| | **9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 69 | 136 | 136 | 67 | |

| | 137 | 136 | 71 | 70 | 69 | 67 | 66 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,1 | 7,0 | 6,9 | 6,7 | 6,6 | 1 |
| 2 | 27,4 | 27,2 | 14,2 | 14,0 | 13,8 | 13,4 | 13,2 | 2 |
| 3 | 41,1 | 40,8 | 21,3 | 21,0 | 20,7 | 20,1 | 19,8 | 3 |
| 4 | 54,8 | 54,4 | 28,4 | 28,0 | 27,6 | 26,8 | 26,4 | 4 |
| 5 | 68,5 | 68,0 | 35,5 | 35,0 | 34,5 | 33,5 | 33,0 | 5 |
| 6 | 82,2 | 81,6 | 42,6 | 42,0 | 41,4 | 40,2 | 39,6 | 6 |
| 7 | 95,9 | 95,2 | 49,7 | 49,0 | 48,3 | 46,9 | 46,2 | 7 |
| 8 | 109,6 | 108,8 | 56,8 | 56,0 | 55,2 | 53,6 | 52,8 | 8 |
| 9 | 123,3 | 122,4 | 63,9 | 63,0 | 62,1 | 60,3 | 59,4 | 9 |

| 49g | 70 | 137 | 137 | 66 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.98** | **0.01** | **9.85** | |
| **20 oo** | 39583 | 90838 | 09162 | 48745 | **80 oo** |
| 10 | 39653 | 90975 | 09025 | 48678 | 90 |
| 20 | 39723 | 91111 | 08889 | 48612 | 80 |
| 30 | 39793 | 91248 | 08752 | 48545 | 70 |
| 40 | 39863 | 91384 | 08616 | 48479 | 60 |
| 50 | 39933 | 91521 | 08479 | 48412 | 50 |
| 60 | 40003 | 91657 | 08343 | 48346 | 40 |
| 70 | 40073 | 91794 | 08206 | 48279 | 30 |
| 80 | 40143 | 91930 | 08070 | 48213 | 20 |
| 90 | 40213 | 92067 | 07933 | 48146 | 10 |
| **21 oo** | 40283 | 92203 | 07797 | 48080 | **79 oo** |
| 10 | 40353 | 92340 | 07660 | 48013 | 90 |
| 20 | 40423 | 92476 | 07524 | 47946 | 80 |
| 30 | 40493 | 92613 | 07387 | 47880 | 70 |
| 40 | 40562 | 92749 | 07251 | 47813 | 60 |
| 50 | 40632 | 92886 | 07114 | 47747 | 50 |
| 60 | 40702 | 93022 | 06978 | 47680 | 40 |
| 70 | 40772 | 93159 | 06841 | 47614 | 30 |
| 80 | 40842 | 93295 | 06705 | 47547 | 20 |
| 90 | 40912 | 93432 | 06568 | 47481 | 10 |
| **22 oo** | 40982 | 93568 | 06432 | 47414 | **78 oo** |
| 10 | 41052 | 93704 | 06296 | 47347 | 90 |
| 20 | 41122 | 93841 | 06159 | 47281 | 80 |
| 30 | 41192 | 93977 | 06023 | 47214 | 70 |
| 40 | 41262 | 94114 | 05886 | 47148 | 60 |
| 50 | 41332 | 94250 | 05750 | 47081 | 50 |
| 60 | 41401 | 94387 | 05613 | 47015 | 40 |
| 70 | 41471 | 94523 | 05477 | 46948 | 30 |
| 80 | 41541 | 94660 | 05340 | 46881 | 20 |
| 90 | 41611 | 94796 | 05204 | 46815 | 10 |
| **23 oo** | 41681 | 94933 | 05067 | 46748 | **77 oo** |
| 10 | 41751 | 95069 | 04931 | 46682 | 90 |
| 20 | 41821 | 95206 | 04794 | 46615 | 80 |
| 30 | 41891 | 95342 | 04658 | 46548 | 70 |
| 40 | 41961 | 95479 | 04521 | 46482 | 60 |
| 50 | 42030 | 95615 | 04385 | 46415 | 50 |
| 60 | 42100 | 95752 | 04248 | 46349 | 40 |
| 70 | 42170 | 95888 | 04112 | 46282 | 30 |
| 80 | 42240 | 96025 | 03975 | 46215 | 20 |
| 90 | 42310 | 96161 | 03839 | 46149 | 10 |
| **24 oo** | 42380 | 96298 | 03702 | 46082 | **76 oo** |
| 10 | 42450 | 96434 | 03566 | 46016 | 90 |
| 20 | 42520 | 96570 | 03430 | 45949 | 80 |
| 30 | 42589 | 96707 | 03293 | 45882 | 70 |
| 40 | 42659 | 96843 | 03157 | 45816 | 60 |
| 50 | 42729 | 96980 | 03020 | 45749 | 50 |
| 60 | 42799 | 97116 | 02884 | 45683 | 40 |
| 70 | 42869 | 97253 | 02747 | 45616 | 30 |
| 80 | 42939 | 97389 | 02611 | 45549 | 20 |
| 90 | 43009 | 97526 | 02474 | 45483 | 10 |
| **25 oo** | 43078 | 97662 | 02338 | 45416 | **75 oo** |
| | **9.84** | **9.98** | **0.01** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 69 | 136 | 136 | 67 | |

| 49g | 70 | 137 | 137 | 66 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | ∗**9.98** | ∗**0.01** | **9.85** | |
| **25 oo** | 43078 | ∗97662 | ∗02338 | 45416 | **75 oo** |
| 10 | 43148 | ∗97799 | ∗02201 | 45349 | 90 |
| 20 | 43218 | ∗97935 | ∗02065 | 45283 | 80 |
| 30 | 43288 | ∗98072 | ∗01928 | 45216 | 70 |
| 40 | 43358 | ∗98208 | ∗01792 | 45150 | 60 |
| 50 | 43428 | ∗98345 | ∗01655 | 45083 | 50 |
| 60 | 43497 | ∗98481 | ∗01519 | 45016 | 40 |
| 70 | 43567 | ∗98618 | ∗01382 | 44950 | 30 |
| 80 | 43637 | ∗98754 | ∗01246 | 44883 | 20 |
| 90 | 43707 | ∗98891 | ∗01109 | 44816 | 10 |
| **26 oo** | 43777 | ∗99027 | ∗00973 | 44750 | **74 oo** |
| 10 | 43847 | ∗99164 | ∗00836 | 44683 | 90 |
| 20 | 43916 | ∗99300 | ∗00700 | 44616 | 80 |
| 30 | 43986 | ∗99436 | ∗00564 | 44550 | 70 |
| 40 | 44056 | ∗99573 | ∗00427 | 44483 | 60 |
| 50 | 44126 | ∗99709 | ∗00291 | 44416 | 50 |
| 60 | 44196 | ∗99846 | ∗00154 | 44350 | 40 |
| 70 | 44265 | ∗99982 | ∗00018 | 44283 | 30 |
| 80 | 44335 | 00119 | 99881 | 44216 | 20 |
| 90 | 44405 | 00255 | 99745 | 44150 | 10 |
| **27 oo** | 44475 | 00392 | 99608 | 44083 | **73 oo** |
| 10 | 44545 | 00528 | 99472 | 44016 | 90 |
| 20 | 44614 | 00665 | 99335 | 43950 | 80 |
| 30 | 44684 | 00801 | 99199 | 43883 | 70 |
| 40 | 44754 | 00938 | 99062 | 43816 | 60 |
| 50 | 44824 | 01074 | 98926 | 43750 | 50 |
| 60 | 44894 | 01211 | 98789 | 43683 | 40 |
| 70 | 44963 | 01347 | 98653 | 43616 | 30 |
| 80 | 45033 | 01484 | 98516 | 43550 | 20 |
| 90 | 45103 | 01620 | 98380 | 43483 | 10 |
| **28 oo** | 45173 | 01757 | 98243 | 43416 | **72 oo** |
| 10 | 45243 | 01893 | 98107 | 43350 | 90 |
| 20 | 45312 | 02029 | 97971 | 43283 | 80 |
| 30 | 45382 | 02166 | 97834 | 43216 | 70 |
| 40 | 45452 | 02302 | 97698 | 43149 | 60 |
| 50 | 45522 | 02439 | 97561 | 43083 | 50 |
| 60 | 45591 | 02575 | 97425 | 43016 | 40 |
| 70 | 45661 | 02712 | 97288 | 42949 | 30 |
| 80 | 45731 | 02848 | 97152 | 42883 | 20 |
| 90 | 45801 | 02985 | 97015 | 42816 | 10 |
| **29 oo** | 45870 | 03121 | 96879 | 42749 | **71 oo** |
| 10 | 45940 | 03258 | 96742 | 42682 | 90 |
| 20 | 46010 | 03394 | 96606 | 42616 | 80 |
| 30 | 46080 | 03531 | 96469 | 42549 | 70 |
| 40 | 46149 | 03667 | 96333 | 42482 | 60 |
| 50 | 46219 | 03804 | 96196 | 42416 | 50 |
| 60 | 46289 | 03940 | 96060 | 42349 | 40 |
| 70 | 46359 | 04077 | 95923 | 42282 | 30 |
| 80 | 46428 | 04213 | 95787 | 42215 | 20 |
| 90 | 46498 | 04349 | 95651 | 42149 | 10 |
| **30 oo** | 46568 | 04486 | 95514 | 42082 | **70 oo** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 69 | 136 | 136 | 67 | |

| | 137 | 136 | 70 | 69 | 67 | 66 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,0 | 6,9 | 6,7 | 6,6 | 1 |
| 2 | 27,4 | 27,2 | 14,0 | 13,8 | 13,4 | 13,2 | 2 |
| 3 | 41,1 | 40,8 | 21,0 | 20,7 | 20,1 | 19,8 | 3 |
| 4 | 54,8 | 54,4 | 28,0 | 27,6 | 26,8 | 26,4 | 4 |
| 5 | 68,5 | 68,0 | 35,0 | 34,5 | 33,5 | 33,0 | 5 |
| 6 | 82,2 | 81,6 | 42,0 | 41,4 | 40,2 | 39,6 | 6 |
| 7 | 95,9 | 95,2 | 49,0 | 48,3 | 46,9 | 46,2 | 7 |
| 8 | 109,6 | 108,8 | 56,0 | 55,2 | 53,6 | 52,8 | 8 |
| 9 | 123,3 | 122,4 | 63,0 | 62,1 | 60,3 | 59,4 | 9 |

| 49g | 70 | 137 | 137 | 66 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.85** | |
| **30 oo** | 46568 | 04486 | 95514 | 42082 | **70 oo** |
| 10 | 46638 | 04622 | 95378 | 42015 | 90 |
| 20 | 46707 | 04759 | 95241 | 41948 | 80 |
| 30 | 46777 | 04895 | 95105 | 41882 | 70 |
| 40 | 46847 | 05032 | 94968 | 41815 | 60 |
| 50 | 46917 | 05168 | 94832 | 41748 | 50 |
| 60 | 46986 | 05305 | 94695 | 41681 | 40 |
| 70 | 47056 | 05441 | 94559 | 41615 | 30 |
| 80 | 47126 | 05578 | 94422 | 41548 | 20 |
| 90 | 47195 | 05714 | 94286 | 41481 | 10 |
| **31 oo** | 47265 | 05851 | 94149 | 41414 | **69 oo** |
| 10 | 47335 | 05987 | 94013 | 41348 | 90 |
| 20 | 47405 | 06124 | 93876 | 41281 | 80 |
| 30 | 47474 | 06260 | 93740 | 41214 | 70 |
| 40 | 47544 | 06397 | 93603 | 41147 | 60 |
| 50 | 47614 | 06533 | 93467 | 41081 | 50 |
| 60 | 47683 | 06669 | 93331 | 41014 | 40 |
| 70 | 47753 | 06806 | 93194 | 40947 | 30 |
| 80 | 47823 | 06942 | 93058 | 40880 | 20 |
| 90 | 47892 | 07079 | 92921 | 40814 | 10 |
| **32 oo** | 47962 | 07215 | 92785 | 40747 | **68 oo** |
| 10 | 48032 | 07352 | 92648 | 40680 | 90 |
| 20 | 48102 | 07488 | 92512 | 40613 | 80 |
| 30 | 48171 | 07625 | 92375 | 40546 | 70 |
| 40 | 48241 | 07761 | 92239 | 40480 | 60 |
| 50 | 48311 | 07898 | 92102 | 40413 | 50 |
| 60 | 48380 | 08034 | 91966 | 40346 | 40 |
| 70 | 48450 | 08171 | 91829 | 40279 | 30 |
| 80 | 48520 | 08307 | 91693 | 40213 | 20 |
| 90 | 48589 | 08444 | 91556 | 40146 | 10 |
| **33 oo** | 48659 | 08580 | 91420 | 40079 | **67 oo** |
| 10 | 48729 | 08717 | 91283 | 40012 | 90 |
| 20 | 48798 | 08853 | 91147 | 39945 | 80 |
| 30 | 48868 | 08989 | 91011 | 39879 | 70 |
| 40 | 48938 | 09126 | 90874 | 39812 | 60 |
| 50 | 49007 | 09262 | 90738 | 39745 | 50 |
| 60 | 49077 | 09399 | 90601 | 39678 | 40 |
| 70 | 49147 | 09535 | 90465 | 39611 | 30 |
| 80 | 49216 | 09672 | 90328 | 39544 | 20 |
| 90 | 49286 | 09808 | 90192 | 39478 | 10 |
| **34 oo** | 49356 | 09945 | 90055 | 39411 | **66 oo** |
| 10 | 49425 | 10081 | 89919 | 39344 | 90 |
| 20 | 49495 | 10218 | 89782 | 39277 | 80 |
| 30 | 49564 | 10354 | 89646 | 39210 | 70 |
| 40 | 49634 | 10491 | 89509 | 39144 | 60 |
| 50 | 49704 | 10627 | 89373 | 39077 | 50 |
| 60 | 49773 | 10764 | 89236 | 39010 | 40 |
| 70 | 49843 | 10900 | 89100 | 38943 | 30 |
| 80 | 49913 | 11036 | 88964 | 38876 | 20 |
| 90 | 49982 | 11173 | 88827 | 38809 | 10 |
| **35 oo** | 50052 | 11309 | 88691 | 38743 | **65 oo** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | **50g** |
| | 69 | 136 | 136 | 67 | |

| 49g | 70 | 137 | 137 | 66 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.85** | |
| **35 oo** | 50052 | 11309 | 88691 | 38743 | **65 oo** |
| 10 | 50122 | 11446 | 88554 | 38676 | 90 |
| 20 | 50191 | 11582 | 88418 | 38609 | 80 |
| 30 | 50261 | 11719 | 88281 | 38542 | 70 |
| 40 | 50330 | 11855 | 88145 | 38475 | 60 |
| 50 | 50400 | 11992 | 88008 | 38408 | 50 |
| 60 | 50470 | 12128 | 87872 | 38341 | 40 |
| 70 | 50539 | 12265 | 87735 | 38275 | 30 |
| 80 | 50609 | 12401 | 87599 | 38208 | 20 |
| 90 | 50678 | 12538 | 87462 | 38141 | 10 |
| **36 oo** | 50748 | 12674 | 87326 | 38074 | **64 oo** |
| 10 | 50818 | 12810 | 87190 | 38007 | 90 |
| 20 | 50887 | 12947 | 87053 | 37940 | 80 |
| 30 | 50957 | 13083 | 86917 | 37873 | 70 |
| 40 | 51026 | 13220 | 86780 | 37807 | 60 |
| 50 | 51096 | 13356 | 86644 | 37740 | 50 |
| 60 | 51166 | 13493 | 86507 | 37673 | 40 |
| 70 | 51235 | 13629 | 86371 | 37606 | 30 |
| 80 | 51305 | 13766 | 86234 | 37539 | 20 |
| 90 | 51374 | 13902 | 86098 | 37472 | 10 |
| **37 oo** | 51444 | 14039 | 85961 | 37405 | **63 oo** |
| 10 | 51514 | 14175 | 85825 | 37338 | 90 |
| 20 | 51583 | 14312 | 85688 | 37272 | 80 |
| 30 | 51653 | 14448 | 85552 | 37205 | 70 |
| 40 | 51722 | 14585 | 85415 | 37138 | 60 |
| 50 | 51792 | 14721 | 85279 | 37071 | 50 |
| 60 | 51861 | 14857 | 85143 | 37004 | 40 |
| 70 | 51931 | 14994 | 85006 | 36937 | 30 |
| 80 | 52001 | 15130 | 84870 | 36870 | 20 |
| 90 | 52070 | 15267 | 84733 | 36803 | 10 |
| **38 oo** | 52140 | 15403 | 84597 | 36736 | **62 oo** |
| 10 | 52209 | 15540 | 84460 | 36670 | 90 |
| 20 | 52279 | 15676 | 84324 | 36603 | 80 |
| 30 | 52348 | 15813 | 84187 | 36536 | 70 |
| 40 | 52418 | 15949 | 84051 | 36469 | 60 |
| 50 | 52488 | 16086 | 83914 | 36402 | 50 |
| 60 | 52557 | 16222 | 83778 | 36335 | 40 |
| 70 | 52627 | 16359 | 83641 | 36268 | 30 |
| 80 | 52696 | 16495 | 83505 | 36201 | 20 |
| 90 | 52766 | 16631 | 83369 | 36134 | 10 |
| **39 oo** | 52835 | 16768 | 83232 | 36067 | **61 oo** |
| 10 | 52905 | 16904 | 83096 | 36000 | 90 |
| 20 | 52974 | 17041 | 82959 | 35933 | 80 |
| 30 | 53044 | 17177 | 82823 | 35867 | 70 |
| 40 | 53113 | 17314 | 82686 | 35800 | 60 |
| 50 | 53183 | 17450 | 82550 | 35733 | 50 |
| 60 | 53252 | 17587 | 82413 | 35666 | 40 |
| 70 | 53322 | 17723 | 82277 | 35599 | 30 |
| 80 | 53391 | 17860 | 82140 | 35532 | 20 |
| 90 | 53461 | 17996 | 82004 | 35465 | 10 |
| **40 oo** | 53531 | 18133 | 81867 | 35398 | **60 oo** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | **50g** |
| | 69 | 136 | 136 | 67 | |

| | 137 | 136 | 70 | 69 | 67 | 66 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,0 | 6,9 | 6,7 | 6,6 | 1 |
| 2 | 27,4 | 27,2 | 14,0 | 13,8 | 13,4 | 13,2 | 2 |
| 3 | 41,1 | 40,8 | 21,0 | 20,7 | 20,1 | 19,8 | 3 |
| 4 | 54,8 | 54,4 | 28,0 | 27,6 | 26,8 | 26,4 | 4 |
| 5 | 68,5 | 68,0 | 35,0 | 34,5 | 33,5 | 33,0 | 5 |
| 6 | 82,2 | 81,6 | 42,0 | 41,4 | 40,2 | 39,6 | 6 |
| 7 | 95,9 | 95,2 | 49,0 | 48,3 | 46,9 | 46,2 | 7 |
| 8 | 109,6 | 108,8 | 56,0 | 55,2 | 53,6 | 52,8 | 8 |
| 9 | 123,3 | 122,4 | 63,0 | 62,1 | 60,3 | 59,4 | 9 |

| 49g | 70 | 137 | 137 | 66 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.85** | |
| **40 oo** | 53531 | 18133 | 81867 | 35398 | **60 oo** |
| 10 | 53600 | 18269 | 81731 | 35331 | 90 |
| 20 | 53670 | 18405 | 81595 | 35264 | 80 |
| 30 | 53739 | 18542 | 81458 | 35197 | 70 |
| 40 | 53809 | 18678 | 81322 | 35130 | 60 |
| 50 | 53878 | 18815 | 81185 | 35063 | 50 |
| 60 | 53948 | 18951 | 81049 | 34996 | 40 |
| 70 | 54017 | 19088 | 80912 | 34929 | 30 |
| 80 | 54087 | 19224 | 80776 | 34862 | 20 |
| 90 | 54156 | 19361 | 80639 | 34795 | 10 |
| **41 oo** | 54226 | 19497 | 80503 | 34728 | **59 oo** |
| 10 | 54295 | 19634 | 80366 | 34661 | 90 |
| 20 | 54365 | 19770 | 80230 | 34594 | 80 |
| 30 | 54434 | 19907 | 80093 | 34527 | 70 |
| 40 | 54504 | 20043 | 79957 | 34461 | 60 |
| 50 | 54573 | 20179 | 79821 | 34394 | 50 |
| 60 | 54643 | 20316 | 79684 | 34327 | 40 |
| 70 | 54712 | 20452 | 79548 | 34260 | 30 |
| 80 | 54781 | 20589 | 79411 | 34193 | 20 |
| 90 | 54851 | 20725 | 79275 | 34126 | 10 |
| **42 oo** | 54920 | 20862 | 79138 | 34059 | **58 oo** |
| 10 | 54990 | 20998 | 79002 | 33992 | 90 |
| 20 | 55059 | 21135 | 78865 | 33925 | 80 |
| 30 | 55129 | 21271 | 78729 | 33858 | 70 |
| 40 | 55198 | 21408 | 78592 | 33791 | 60 |
| 50 | 55268 | 21544 | 78456 | 33724 | 50 |
| 60 | 55337 | 21681 | 78319 | 33657 | 40 |
| 70 | 55407 | 21817 | 78183 | 33590 | 30 |
| 80 | 55476 | 21953 | 78047 | 33523 | 20 |
| 90 | 55546 | 22090 | 77910 | 33456 | 10 |
| **43 oo** | 55615 | 22226 | 77774 | 33389 | **57 oo** |
| 10 | 55684 | 22363 | 77637 | 33322 | 90 |
| 20 | 55754 | 22499 | 77501 | 33255 | 80 |
| 30 | 55823 | 22636 | 77364 | 33188 | 70 |
| 40 | 55893 | 22772 | 77228 | 33121 | 60 |
| 50 | 55962 | 22909 | 77091 | 33054 | 50 |
| 60 | 56032 | 23045 | 76955 | 32987 | 40 |
| 70 | 56101 | 23182 | 76818 | 32920 | 30 |
| 80 | 56171 | 23318 | 76682 | 32853 | 20 |
| 90 | 56240 | 23455 | 76545 | 32785 | 10 |
| **44 oo** | 56309 | 23591 | 76409 | 32718 | **56 oo** |
| 10 | 56379 | 23727 | 76273 | 32651 | 90 |
| 20 | 56448 | 23864 | 76136 | 32584 | 80 |
| 30 | 56518 | 24000 | 76000 | 32517 | 70 |
| 40 | 56587 | 24137 | 75863 | 32450 | 60 |
| 50 | 56657 | 24273 | 75727 | 32383 | 50 |
| 60 | 56726 | 24410 | 75590 | 32316 | 40 |
| 70 | 56795 | 24546 | 75454 | 32249 | 30 |
| 80 | 56865 | 24683 | 75317 | 32182 | 20 |
| 90 | 56934 | 24819 | 75181 | 32115 | 10 |
| **45 oo** | 57004 | 24956 | 75044 | 32048 | **55 oo** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | **50g** |
| | 69 | 136 | 136 | 68 | |

| 49g | 70 | 137 | 137 | 67 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.85** | |
| **45 oo** | 57004 | 24956 | 75044 | 32048 | **55 oo** |
| 10 | 57073 | 25092 | 74908 | 31981 | 90 |
| 20 | 57142 | 25228 | 74772 | 31914 | 80 |
| 30 | 57212 | 25365 | 74635 | 31847 | 70 |
| 40 | 57281 | 25501 | 74499 | 31780 | 60 |
| 50 | 57351 | 25638 | 74362 | 31713 | 50 |
| 60 | 57420 | 25774 | 74226 | 31646 | 40 |
| 70 | 57489 | 25911 | 74089 | 31579 | 30 |
| 80 | 57559 | 26047 | 73953 | 31512 | 20 |
| 90 | 57628 | 26184 | 73816 | 31445 | 10 |
| **46 oo** | 57698 | 26320 | 73680 | 31377 | **54 oo** |
| 10 | 57767 | 26457 | 73543 | 31310 | 90 |
| 20 | 57836 | 26593 | 73407 | 31243 | 80 |
| 30 | 57906 | 26730 | 73270 | 31176 | 70 |
| 40 | 57975 | 26866 | 73134 | 31109 | 60 |
| 50 | 58045 | 27002 | 72998 | 31042 | 50 |
| 60 | 58114 | 27139 | 72861 | 30975 | 40 |
| 70 | 58183 | 27275 | 72725 | 30908 | 30 |
| 80 | 58253 | 27412 | 72588 | 30841 | 20 |
| 90 | 58322 | 27548 | 72452 | 30774 | 10 |
| **47 oo** | 58391 | 27685 | 72315 | 30707 | **53 oo** |
| 10 | 58461 | 27821 | 72179 | 30640 | 90 |
| 20 | 58530 | 27958 | 72042 | 30572 | 80 |
| 30 | 58599 | 28094 | 71906 | 30505 | 70 |
| 40 | 58669 | 28231 | 71769 | 30438 | 60 |
| 50 | 58738 | 28367 | 71633 | 30371 | 50 |
| 60 | 58808 | 28503 | 71497 | 30304 | 40 |
| 70 | 58877 | 28640 | 71360 | 30237 | 30 |
| 80 | 58946 | 28776 | 71224 | 30170 | 20 |
| 90 | 59016 | 28913 | 71087 | 30103 | 10 |
| **48 oo** | 59085 | 29049 | 70951 | 30036 | **52 oo** |
| 10 | 59154 | 29186 | 70814 | 29969 | 90 |
| 20 | 59224 | 29322 | 70678 | 29901 | 80 |
| 30 | 59293 | 29459 | 70541 | 29834 | 70 |
| 40 | 59362 | 29595 | 70405 | 29767 | 60 |
| 50 | 59432 | 29732 | 70268 | 29700 | 50 |
| 60 | 59501 | 29868 | 70132 | 29633 | 40 |
| 70 | 59570 | 30004 | 69996 | 29566 | 30 |
| 80 | 59640 | 30141 | 69859 | 29499 | 20 |
| 90 | 59709 | 30277 | 69723 | 29432 | 10 |
| **49 oo** | 59778 | 30414 | 69586 | 29364 | **51 oo** |
| 10 | 59848 | 30550 | 69450 | 29297 | 90 |
| 20 | 59917 | 30687 | 69313 | 29230 | 80 |
| 30 | 59986 | 30823 | 69177 | 29163 | 70 |
| 40 | 60055 | 30960 | 69040 | 29096 | 60 |
| 50 | 60125 | 31096 | 68904 | 29029 | 50 |
| 60 | 60194 | 31233 | 68767 | 28962 | 40 |
| 70 | 60263 | 31369 | 68631 | 28894 | 30 |
| 80 | 60333 | 31505 | 68495 | 28827 | 20 |
| 90 | 60402 | 31642 | 68358 | 28760 | 10 |
| **50 oo** | 60471 | 31778 | 68222 | 28693 | **50 oo** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | **50g** |
| | 69 | 136 | 136 | 68 | |

| | 137 | 136 | 70 | 69 | 68 | 67 | 66 | |
|---|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,0 | 6,9 | 6,8 | 6,7 | 6,6 | 1 |
| 2 | 27,4 | 27,2 | 14,0 | 13,8 | 13,6 | 13,4 | 13,2 | 2 |
| 3 | 41,1 | 40,8 | 21,0 | 20,7 | 20,4 | 20,1 | 19,8 | 3 |
| 4 | 54,8 | 54,4 | 28,0 | 27,6 | 27,2 | 26,8 | 26,4 | 4 |
| 5 | 68,5 | 68,0 | 35,0 | 34,5 | 34,0 | 33,5 | 33,0 | 5 |
| 6 | 82,2 | 81,6 | 42,0 | 41,4 | 40,8 | 40,2 | 39,6 | 6 |
| 7 | 95,9 | 95,2 | 49,0 | 48,3 | 47,6 | 46,9 | 46,2 | 7 |
| 8 | 109,6 | 108,8 | 56,0 | 55,2 | 54,4 | 53,6 | 52,8 | 8 |
| 9 | 123,3 | 122,4 | 63,0 | 62,1 | 61,2 | 60,3 | 59,4 | 9 |

| 49g | 70 | 137 | 137 | 67 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.85** | |
| **50 oo** | 60471 | 31778 | 68222 | 28693 | **50 oo** |
| 10 | 60541 | 31915 | 68085 | 28626 | 90 |
| 20 | 60610 | 32051 | 67949 | 28559 | 80 |
| 30 | 60679 | 32188 | 67812 | 28491 | 70 |
| 40 | 60748 | 32324 | 67676 | 28424 | 60 |
| 50 | 60818 | 32461 | 67539 | 28357 | 50 |
| 60 | 60887 | 32597 | 67403 | 28290 | 40 |
| 70 | 60956 | 32734 | 67266 | 28223 | 30 |
| 80 | 61026 | 32870 | 67130 | 28156 | 20 |
| 90 | 61095 | 33006 | 66994 | 28088 | 10 |
| **51 oo** | 61164 | 33143 | 66857 | 28021 | **49 oo** |
| 10 | 61233 | 33279 | 66721 | 27954 | 90 |
| 20 | 61303 | 33416 | 66584 | 27887 | 80 |
| 30 | 61372 | 33552 | 66448 | 27820 | 70 |
| 40 | 61441 | 33689 | 66311 | 27753 | 60 |
| 50 | 61511 | 33825 | 66175 | 27685 | 50 |
| 60 | 61580 | 33962 | 66038 | 27618 | 40 |
| 70 | 61649 | 34098 | 65902 | 27551 | 30 |
| 80 | 61718 | 34235 | 65765 | 27484 | 20 |
| 90 | 61788 | 34371 | 65629 | 27417 | 10 |
| **52 oo** | 61857 | 34507 | 65493 | 27349 | **48 oo** |
| 10 | 61926 | 34644 | 65356 | 27282 | 90 |
| 20 | 61995 | 34780 | 65220 | 27215 | 80 |
| 30 | 62065 | 34917 | 65083 | 27148 | 70 |
| 40 | 62134 | 35053 | 64947 | 27081 | 60 |
| 50 | 62203 | 35190 | 64810 | 27013 | 50 |
| 60 | 62272 | 35326 | 64674 | 26946 | 40 |
| 70 | 62342 | 35463 | 64537 | 26879 | 30 |
| 80 | 62411 | 35599 | 64401 | 26812 | 20 |
| 90 | 62480 | 35736 | 64264 | 26745 | 10 |
| **53 oo** | 62549 | 35872 | 64128 | 26677 | **47 oo** |
| 10 | 62619 | 36008 | 63992 | 26610 | 90 |
| 20 | 62688 | 36145 | 63855 | 26543 | 80 |
| 30 | 62757 | 36281 | 63719 | 26476 | 70 |
| 40 | 62826 | 36418 | 63582 | 26408 | 60 |
| 50 | 62895 | 36554 | 63446 | 26341 | 50 |
| 60 | 62965 | 36691 | 63309 | 26274 | 40 |
| 70 | 63034 | 36827 | 63173 | 26207 | 30 |
| 80 | 63103 | 36964 | 63036 | 26139 | 20 |
| 90 | 63172 | 37100 | 62900 | 26072 | 10 |
| **54 oo** | 63242 | 37237 | 62763 | 26005 | **46 oo** |
| 10 | 63311 | 37373 | 62627 | 25938 | 90 |
| 20 | 63380 | 37509 | 62491 | 25871 | 80 |
| 30 | 63449 | 37646 | 62354 | 25803 | 70 |
| 40 | 63518 | 37782 | 62218 | 25736 | 60 |
| 50 | 63588 | 37919 | 62081 | 25669 | 50 |
| 60 | 63657 | 38055 | 61945 | 25602 | 40 |
| 70 | 63726 | 38192 | 61808 | 25534 | 30 |
| 80 | 63795 | 38328 | 61672 | 25467 | 20 |
| 90 | 63864 | 38465 | 61535 | 25400 | 10 |
| **55 oo** | 63934 | 38601 | 61399 | 25333 | **45 oo** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 69 | 136 | 136 | 68 | |

| 49g | 70 | 137 | 137 | 67 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.85** | |
| **55 oo** | 63934 | 38601 | 61399 | 25333 | **45 oo** |
| 10 | 64003 | 38737 | 61263 | 25265 | 90 |
| 20 | 64072 | 38874 | 61126 | 25198 | 80 |
| 30 | 64141 | 39010 | 60990 | 25131 | 70 |
| 40 | 64210 | 39147 | 60853 | 25063 | 60 |
| 50 | 64279 | 39283 | 60717 | 24996 | 50 |
| 60 | 64349 | 39420 | 60580 | 24929 | 40 |
| 70 | 64418 | 39556 | 60444 | 24862 | 30 |
| 80 | 64487 | 39693 | 60307 | 24794 | 20 |
| 90 | 64556 | 39829 | 60171 | 24727 | 10 |
| **56 oo** | 64625 | 39966 | 60034 | 24660 | **44 oo** |
| 10 | 64694 | 40102 | 59898 | 24593 | 90 |
| 20 | 64764 | 40238 | 59762 | 24525 | 80 |
| 30 | 64833 | 40375 | 59625 | 24458 | 70 |
| 40 | 64902 | 40511 | 59489 | 24391 | 60 |
| 50 | 64971 | 40648 | 59352 | 24323 | 50 |
| 60 | 65040 | 40784 | 59216 | 24256 | 40 |
| 70 | 65109 | 40921 | 59079 | 24189 | 30 |
| 80 | 65179 | 41057 | 58943 | 24121 | 20 |
| 90 | 65248 | 41194 | 58806 | 24054 | 10 |
| **57 oo** | 65317 | 41330 | 58670 | 23987 | **43 oo** |
| 10 | 65386 | 41466 | 58534 | 23920 | 90 |
| 20 | 65455 | 41603 | 58397 | 23852 | 80 |
| 30 | 65524 | 41739 | 58261 | 23785 | 70 |
| 40 | 65593 | 41876 | 58124 | 23718 | 60 |
| 50 | 65663 | 42012 | 57988 | 23650 | 50 |
| 60 | 65732 | 42149 | 57851 | 23583 | 40 |
| 70 | 65801 | 42285 | 57715 | 23516 | 30 |
| 80 | 65870 | 42422 | 57578 | 23448 | 20 |
| 90 | 65939 | 42558 | 57442 | 23381 | 10 |
| **58 oo** | 66008 | 42695 | 57305 | 23314 | **42 oo** |
| 10 | 66077 | 42831 | 57169 | 23246 | 90 |
| 20 | 66147 | 42967 | 57033 | 23179 | 80 |
| 30 | 66216 | 43104 | 56896 | 23112 | 70 |
| 40 | 66285 | 43240 | 56760 | 23044 | 60 |
| 50 | 66354 | 43377 | 56623 | 22977 | 50 |
| 60 | 66423 | 43513 | 56487 | 22910 | 40 |
| 70 | 66492 | 43650 | 56350 | 22842 | 30 |
| 80 | 66561 | 43786 | 56214 | 22775 | 20 |
| 90 | 66630 | 43923 | 56077 | 22708 | 10 |
| **59 oo** | 66699 | 44059 | 55941 | 22640 | **41 oo** |
| 10 | 66768 | 44195 | 55805 | 22573 | 90 |
| 20 | 66838 | 44332 | 55668 | 22506 | 80 |
| 30 | 66907 | 44468 | 55532 | 22438 | 70 |
| 40 | 66976 | 44605 | 55395 | 22371 | 60 |
| 50 | 67045 | 44741 | 55259 | 22304 | 50 |
| 60 | 67114 | 44878 | 55122 | 22236 | 40 |
| 70 | 67183 | 45014 | 54986 | 22169 | 30 |
| 80 | 67252 | 45151 | 54849 | 22102 | 20 |
| 90 | 67321 | 45287 | 54713 | 22034 | 10 |
| **60 oo** | 67390 | 45424 | 54576 | 21967 | **40 oo** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 69 | 136 | 136 | 68 | |

| | 137 | 136 | 70 | 69 | 68 | 67 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,0 | 6,9 | 6,8 | 6,7 | 1 |
| 2 | 27,4 | 27,2 | 14,0 | 13,8 | 13,6 | 13,4 | 2 |
| 3 | 41,1 | 40,8 | 21,0 | 20,7 | 20,4 | 20,1 | 3 |
| 4 | 54,8 | 54,4 | 28,0 | 27,6 | 27,2 | 26,8 | 4 |
| 5 | 68,5 | 68,0 | 35,0 | 34,5 | 34,0 | 33,5 | 5 |
| 6 | 82,2 | 81,6 | 42,0 | 41,4 | 40,8 | 40,2 | 6 |
| 7 | 95,9 | 95,2 | 49,0 | 48,3 | 47,6 | 46,9 | 7 |
| 8 | 109,6 | 108,8 | 56,0 | 55,2 | 54,4 | 53,6 | 8 |
| 9 | 123,3 | 122,4 | 63,0 | 62,1 | 61,2 | 60,3 | 9 |

| 49g | 70 | 137 | 137 | 67 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.85** | |
| **60 oo** | 67390 | 45424 | 54576 | 21967 | **40 oo** |
| 10 | 67459 | 45560 | 54440 | 21899 | 90 |
| 20 | 67528 | 45696 | 54304 | 21832 | 80 |
| 30 | 67598 | 45833 | 54167 | 21765 | 70 |
| 40 | 67667 | 45969 | 54031 | 21697 | 60 |
| 50 | 67736 | 46106 | 53894 | 21630 | 50 |
| 60 | 67805 | 46242 | 53758 | 21563 | 40 |
| 70 | 67874 | 46379 | 53621 | 21495 | 30 |
| 80 | 67943 | 46515 | 53485 | 21428 | 20 |
| 90 | 68012 | 46652 | 53348 | 21360 | 10 |
| **61 oo** | 68081 | 46788 | 53212 | 21293 | **39 oo** |
| 10 | 68150 | 46924 | 53076 | 21226 | 90 |
| 20 | 68219 | 47061 | 52939 | 21158 | 80 |
| 30 | 68288 | 47197 | 52803 | 21091 | 70 |
| 40 | 68357 | 47334 | 52666 | 21023 | 60 |
| 50 | 68426 | 47470 | 52530 | 20956 | 50 |
| 60 | 68495 | 47607 | 52393 | 20889 | 40 |
| 70 | 68564 | 47743 | 52257 | 20821 | 30 |
| 80 | 68633 | 47880 | 52120 | 20754 | 20 |
| 90 | 68702 | 48016 | 51984 | 20686 | 10 |
| **62 oo** | 68772 | 48152 | 51848 | 20619 | **38 oo** |
| 10 | 68841 | 48289 | 51711 | 20552 | 90 |
| 20 | 68910 | 48425 | 51575 | 20484 | 80 |
| 30 | 68979 | 48562 | 51438 | 20417 | 70 |
| 40 | 69048 | 48698 | 51302 | 20349 | 60 |
| 50 | 69117 | 48835 | 51165 | 20282 | 50 |
| 60 | 69186 | 48971 | 51029 | 20215 | 40 |
| 70 | 69255 | 49108 | 50892 | 20147 | 30 |
| 80 | 69324 | 49244 | 50756 | 20080 | 20 |
| 90 | 69393 | 49380 | 50620 | 20012 | 10 |
| **63 oo** | 69462 | 49517 | 50483 | 19945 | **37 oo** |
| 10 | 69531 | 49653 | 50347 | 19877 | 90 |
| 20 | 69600 | 49790 | 50210 | 19810 | 80 |
| 30 | 69669 | 49926 | 50074 | 19743 | 70 |
| 40 | 69738 | 50063 | 49937 | 19675 | 60 |
| 50 | 69807 | 50199 | 49801 | 19608 | 50 |
| 60 | 69876 | 50336 | 49664 | 19540 | 40 |
| 70 | 69945 | 50472 | 49528 | 19473 | 30 |
| 80 | 70014 | 50609 | 49391 | 19405 | 20 |
| 90 | 70083 | 50745 | 49255 | 19338 | 10 |
| **64 oo** | 70152 | 50881 | 49119 | 19270 | **36 oo** |
| 10 | 70221 | 51018 | 48982 | 19203 | 90 |
| 20 | 70290 | 51154 | 48846 | 19136 | 80 |
| 30 | 70359 | 51291 | 48709 | 19068 | 70 |
| 40 | 70428 | 51427 | 48573 | 19001 | 60 |
| 50 | 70497 | 51564 | 48436 | 18933 | 50 |
| 60 | 70566 | 51700 | 48300 | 18866 | 40 |
| 70 | 70635 | 51837 | 48163 | 18798 | 30 |
| 80 | 70704 | 51973 | 48027 | 18731 | 20 |
| 90 | 70773 | 52109 | 47891 | 18663 | 10 |
| **65 oo** | 70842 | 52246 | 47754 | 18596 | **35 oo** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | $50^g$ |
| | 69 | 136 | 136 | 68 | |

| 49g | 69 | 137 | 137 | 67 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.85** | |
| **65 oo** | 70842 | 52246 | 47754 | 18596 | **35 oo** |
| 10 | 70911 | 52382 | 47618 | 18528 | 90 |
| 20 | 70980 | 52519 | 47481 | 18461 | 80 |
| 30 | 71049 | 52655 | 47345 | 18393 | 70 |
| 40 | 71118 | 52792 | 47208 | 18326 | 60 |
| 50 | 71187 | 52928 | 47072 | 18258 | 50 |
| 60 | 71255 | 53065 | 46935 | 18191 | 40 |
| 70 | 71324 | 53201 | 46799 | 18123 | 30 |
| 80 | 71393 | 53337 | 46663 | 18056 | 20 |
| 90 | 71462 | 53474 | 46526 | 17988 | 10 |
| **66 oo** | 71531 | 53610 | 46390 | 17921 | **34 oo** |
| 10 | 71600 | 53747 | 46253 | 17853 | 90 |
| 20 | 71669 | 53883 | 46117 | 17786 | 80 |
| 30 | 71738 | 54020 | 45980 | 17718 | 70 |
| 40 | 71807 | 54156 | 45844 | 17651 | 60 |
| 50 | 71876 | 54293 | 45707 | 17583 | 50 |
| 60 | 71945 | 54429 | 45571 | 17516 | 40 |
| 70 | 72014 | 54565 | 45435 | 17448 | 30 |
| 80 | 72083 | 54702 | 45298 | 17381 | 20 |
| 90 | 72152 | 54838 | 45162 | 17313 | 10 |
| **67 oo** | 72221 | 54975 | 45025 | 17246 | **33 oo** |
| 10 | 72290 | 55111 | 44889 | 17178 | 90 |
| 20 | 72359 | 55248 | 44752 | 17111 | 80 |
| 30 | 72427 | 55384 | 44616 | 17043 | 70 |
| 40 | 72496 | 55521 | 44479 | 16976 | 60 |
| 50 | 72565 | 55657 | 44343 | 16908 | 50 |
| 60 | 72634 | 55793 | 44207 | 16841 | 40 |
| 70 | 72703 | 55930 | 44070 | 16773 | 30 |
| 80 | 72772 | 56066 | 43934 | 16706 | 20 |
| 90 | 72841 | 56203 | 43797 | 16638 | 10 |
| **68 oo** | 72910 | 56339 | 43661 | 16571 | **32 oo** |
| 10 | 72979 | 56476 | 43524 | 16503 | 90 |
| 20 | 73048 | 56612 | 43388 | 16436 | 80 |
| 30 | 73117 | 56749 | 43251 | 16368 | 70 |
| 40 | 73186 | 56885 | 43115 | 16301 | 60 |
| 50 | 73254 | 57021 | 42979 | 16233 | 50 |
| 60 | 73323 | 57158 | 42842 | 16165 | 40 |
| 70 | 73392 | 57294 | 42706 | 16098 | 30 |
| 80 | 73461 | 57431 | 42569 | 16030 | 20 |
| 90 | 73530 | 57567 | 42433 | 15963 | 10 |
| **69 oo** | 73599 | 57704 | 42296 | 15895 | **31 oo** |
| 10 | 73668 | 57840 | 42160 | 15828 | 90 |
| 20 | 73737 | 57977 | 42023 | 15760 | 80 |
| 30 | 73806 | 58113 | 41887 | 15693 | 70 |
| 40 | 73874 | 58249 | 41751 | 15625 | 60 |
| 50 | 73943 | 58386 | 41614 | 15557 | 50 |
| 60 | 74012 | 58522 | 41478 | 15490 | 40 |
| 70 | 74081 | 58659 | 41341 | 15422 | 30 |
| 80 | 74150 | 58795 | 41205 | 15355 | 20 |
| 90 | 74219 | 58932 | 41068 | 15287 | 10 |
| **70 oo** | 74288 | 59068 | 40932 | 15220 | **30 oo** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | $50^g$ |
| | 68 | 136 | 136 | 68 | |

| | 137 | 136 | 70 | 69 | 68 | 67 | |
|---|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 7,0 | 6,9 | 6,8 | 6,7 | 1 |
| 2 | 27,4 | 27,2 | 14,0 | 13,8 | 13,6 | 13,4 | 2 |
| 3 | 41,1 | 40,8 | 21,0 | 20,7 | 20,4 | 20,1 | 3 |
| 4 | 54,8 | 54,4 | 28,0 | 27,6 | 27,2 | 26,8 | 4 |
| 5 | 68,5 | 68,0 | 35,0 | 34,5 | 34,0 | 33,5 | 5 |
| 6 | 82,2 | 81,6 | 42,0 | 41,4 | 40,8 | 40,2 | 6 |
| 7 | 95,9 | 95,2 | 49,0 | 48,3 | 47,6 | 46,9 | 7 |
| 8 | 109,6 | 108,8 | 56,0 | 55,2 | 54,4 | 53,6 | 8 |
| 9 | 123,3 | 122,4 | 63,0 | 62,1 | 61,2 | 60,3 | 9 |

| 49g | 69 | 137 | 137 | 67 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.85** | |
| **70 oo** | 74288 | 59068 | 40932 | 15220 | **30 oo** |
| 10 | 74356 | 59205 | 40795 | 15152 | 90 |
| 20 | 74425 | 59341 | 40659 | 15084 | 80 |
| 30 | 74494 | 59477 | 40523 | 15017 | 70 |
| 40 | 74563 | 59614 | 40386 | 14949 | 60 |
| 50 | 74632 | 59750 | 40250 | 14882 | 50 |
| 60 | 74701 | 59887 | 40113 | 14814 | 40 |
| 70 | 74770 | 60023 | 39977 | 14746 | 30 |
| 80 | 74838 | 60160 | 39840 | 14679 | 20 |
| 90 | 74907 | 60296 | 39704 | 14611 | 10 |
| **71 oo** | 74976 | 60433 | 39567 | 14544 | **29 oo** |
| 10 | 75045 | 60569 | 39431 | 14476 | 90 |
| 20 | 75114 | 60705 | 39295 | 14408 | 80 |
| 30 | 75183 | 60842 | 39158 | 14341 | 70 |
| 40 | 75252 | 60978 | 39022 | 14273 | 60 |
| 50 | 75320 | 61115 | 38885 | 14206 | 50 |
| 60 | 75389 | 61251 | 38749 | 14138 | 40 |
| 70 | 75458 | 61388 | 38612 | 14070 | 30 |
| 80 | 75527 | 61524 | 38476 | 14003 | 20 |
| 90 | 75596 | 61661 | 38339 | 13935 | 10 |
| **72 oo** | 75664 | 61797 | 38203 | 13868 | **28 oo** |
| 10 | 75733 | 61933 | 38067 | 13800 | 90 |
| 20 | 75802 | 62070 | 37930 | 13732 | 80 |
| 30 | 75871 | 62206 | 37794 | 13665 | 70 |
| 40 | 75940 | 62343 | 37657 | 13597 | 60 |
| 50 | 76009 | 62479 | 37521 | 13529 | 50 |
| 60 | 76077 | 62616 | 37384 | 13462 | 40 |
| 70 | 76146 | 62752 | 37248 | 13394 | 30 |
| 80 | 76215 | 62889 | 37111 | 13326 | 20 |
| 90 | 76284 | 63025 | 36975 | 13259 | 10 |
| **73 oo** | 76353 | 63161 | 36839 | 13191 | **27 oo** |
| 10 | 76421 | 63298 | 36702 | 13124 | 90 |
| 20 | 76490 | 63434 | 36566 | 13056 | 80 |
| 30 | 76559 | 63571 | 36429 | 12988 | 70 |
| 40 | 76628 | 63707 | 36293 | 12921 | 60 |
| 50 | 76697 | 63844 | 36156 | 12853 | 50 |
| 60 | 76765 | 63980 | 36020 | 12785 | 40 |
| 70 | 76834 | 64116 | 35884 | 12718 | 30 |
| 80 | 76903 | 64253 | 35747 | 12650 | 20 |
| 90 | 76972 | 64389 | 35611 | 12582 | 10 |
| **74 oo** | 77040 | 64526 | 35474 | 12515 | **26 oo** |
| 10 | 77109 | 64662 | 35338 | 12447 | 90 |
| 20 | 77178 | 64799 | 35201 | 12379 | 80 |
| 30 | 77247 | 64935 | 35065 | 12312 | 70 |
| 40 | 77316 | 65072 | 34928 | 12244 | 60 |
| 50 | 77384 | 65208 | 34792 | 12176 | 50 |
| 60 | 77453 | 65344 | 34656 | 12109 | 40 |
| 70 | 77522 | 65481 | 34519 | 12041 | 30 |
| 80 | 77591 | 65617 | 34383 | 11973 | 20 |
| 90 | 77659 | 65754 | 34246 | 11906 | 10 |
| **75 oo** | 77728 | 65890 | 34110 | 11838 | **25 oo** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 68 | 136 | 136 | 68 | |

| 49g | 69 | 137 | 137 | 67 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.85** | |
| **75 oo** | 77728 | 65890 | 34110 | 11838 | **25 oo** |
| 10 | 77797 | 66027 | 33973 | 11770 | 90 |
| 20 | 77866 | 66163 | 33837 | 11703 | 80 |
| 30 | 77934 | 66300 | 33700 | 11635 | 70 |
| 40 | 78003 | 66436 | 33564 | 11567 | 60 |
| 50 | 78072 | 66572 | 33428 | 11499 | 50 |
| 60 | 78141 | 66709 | 33291 | 11432 | 40 |
| 70 | 78209 | 66845 | 33155 | 11364 | 30 |
| 80 | 78278 | 66982 | 33018 | 11296 | 20 |
| 90 | 78347 | 67118 | 32882 | 11229 | 10 |
| **76 oo** | 78416 | 67255 | 32745 | 11161 | **24 oo** |
| 10 | 78484 | 67391 | 32609 | 11093 | 90 |
| 20 | 78553 | 67528 | 32472 | 11026 | 80 |
| 30 | 78622 | 67664 | 32336 | 10958 | 70 |
| 40 | 78691 | 67800 | 32200 | 10890 | 60 |
| 50 | 78759 | 67937 | 32063 | 10822 | 50 |
| 60 | 78828 | 68073 | 31927 | 10755 | 40 |
| 70 | 78897 | 68210 | 31790 | 10687 | 30 |
| 80 | 78965 | 68346 | 31654 | 10619 | 20 |
| 90 | 79034 | 68483 | 31517 | 10552 | 10 |
| **77 oo** | 79103 | 68619 | 31381 | 10484 | **23 oo** |
| 10 | 79172 | 68756 | 31244 | 10416 | 90 |
| 20 | 79240 | 68892 | 31108 | 10348 | 80 |
| 30 | 79309 | 69028 | 30972 | 10281 | 70 |
| 40 | 79378 | 69165 | 30835 | 10213 | 60 |
| 50 | 79446 | 69301 | 30699 | 10145 | 50 |
| 60 | 79515 | 69438 | 30562 | 10077 | 40 |
| 70 | 79584 | 69574 | 30426 | 10010 | 30 |
| 80 | 79653 | 69711 | 30289 | 09942 | 20 |
| 90 | 79721 | 69847 | 30153 | 09874 | 10 |
| **78 oo** | 79790 | 69983 | 30017 | 09806 | **22 oo** |
| 10 | 79859 | 70120 | 29880 | 09739 | 90 |
| 20 | 79927 | 70256 | 29744 | 09671 | 80 |
| 30 | 79996 | 70393 | 29607 | 09603 | 70 |
| 40 | 80065 | 70529 | 29471 | 09535 | 60 |
| 50 | 80133 | 70666 | 29334 | 09468 | 50 |
| 60 | 80202 | 70802 | 29198 | 09400 | 40 |
| 70 | 80271 | 70939 | 29061 | 09332 | 30 |
| 80 | 80339 | 71075 | 28925 | 09264 | 20 |
| 90 | 80408 | 71211 | 28789 | 09197 | 10 |
| **79 oo** | 80477 | 71348 | 28652 | 09129 | **21 oo** |
| 10 | 80545 | 71484 | 28516 | 09061 | 90 |
| 20 | 80614 | 71621 | 28379 | 08993 | 80 |
| 30 | 80683 | 71757 | 28243 | 08926 | 70 |
| 40 | 80751 | 71894 | 28106 | 08858 | 60 |
| 50 | 80820 | 72030 | 27970 | 08790 | 50 |
| 60 | 80889 | 72167 | 27833 | 08722 | 40 |
| 70 | 80957 | 72303 | 27697 | 08654 | 30 |
| 80 | 81026 | 72439 | 27561 | 08587 | 20 |
| 90 | 81095 | 72576 | 27424 | 08519 | 10 |
| **80 oo** | 81163 | 72712 | 27288 | 08451 | **20 oo** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 68 | 136 | 136 | 68 | |

| | 137 | 136 | 69 | 68 | 67 | |
|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 6,9 | 6,8 | 6,7 | 1 |
| 2 | 27,4 | 27,2 | 13,8 | 13,6 | 13,4 | 2 |
| 3 | 41,1 | 40,8 | 20,7 | 20,4 | 20,1 | 3 |
| 4 | 54,8 | 54,4 | 27,6 | 27,2 | 26,8 | 4 |
| 5 | 68,5 | 68,0 | 34,5 | 34,0 | 33,5 | 5 |
| 6 | 82,2 | 81,6 | 41,4 | 40,8 | 40,2 | 6 |
| 7 | 95,9 | 95,2 | 48,3 | 47,6 | 46,9 | 7 |
| 8 | 109,6 | 108,8 | 55,2 | 54,4 | 53,6 | 8 |
| 9 | 123,3 | 122,4 | 62,1 | 61,2 | 60,3 | 9 |

| 49g | 69 | 137 | 137 | 67 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.85** | |
| **80 00** | 81163 | 72712 | 27288 | 08451 | **20 00** |
| 10 | 81232 | 72849 | 27151 | 08383 | 90 |
| 20 | 81301 | 72985 | 27015 | 08315 | 80 |
| 30 | 81369 | 73122 | 26878 | 08248 | 70 |
| 40 | 81438 | 73258 | 26742 | 08180 | 60 |
| 50 | 81507 | 73394 | 26606 | 08112 | 50 |
| 60 | 81575 | 73531 | 26469 | 08044 | 40 |
| 70 | 81644 | 73667 | 26333 | 07976 | 30 |
| 80 | 81712 | 73804 | 26196 | 07909 | 20 |
| 90 | 81781 | 73940 | 26060 | 07841 | 10 |
| **81 00** | 81850 | 74077 | 25923 | 07773 | **19 00** |
| 10 | 81918 | 74213 | 25787 | 07705 | 90 |
| 20 | 81987 | 74350 | 25650 | 07637 | 80 |
| 30 | 82056 | 74486 | 25514 | 07570 | 70 |
| 40 | 82124 | 74622 | 25378 | 07502 | 60 |
| 50 | 82193 | 74759 | 25241 | 07434 | 50 |
| 60 | 82261 | 74895 | 25105 | 07366 | 40 |
| 70 | 82330 | 75032 | 24968 | 07298 | 30 |
| 80 | 82399 | 75168 | 24832 | 07230 | 20 |
| 90 | 82467 | 75305 | 24695 | 07163 | 10 |
| **82 00** | 82536 | 75441 | 24559 | 07095 | **18 00** |
| 10 | 82604 | 75578 | 24422 | 07027 | 90 |
| 20 | 82673 | 75714 | 24286 | 06959 | 80 |
| 30 | 82742 | 75850 | 24150 | 06891 | 70 |
| 40 | 82810 | 75987 | 24013 | 06823 | 60 |
| 50 | 82879 | 76123 | 23877 | 06756 | 50 |
| 60 | 82947 | 76260 | 23740 | 06688 | 40 |
| 70 | 83016 | 76396 | 23604 | 06620 | 30 |
| 80 | 83085 | 76533 | 23467 | 06552 | 20 |
| 90 | 83153 | 76669 | 23331 | 06484 | 10 |
| **83 00** | 83222 | 76805 | 23195 | 06416 | **17 00** |
| 10 | 83290 | 76942 | 23058 | 06348 | 90 |
| 20 | 83359 | 77078 | 22922 | 06281 | 80 |
| 30 | 83428 | 77215 | 22785 | 06213 | 70 |
| 40 | 83496 | 77351 | 22649 | 06145 | 60 |
| 50 | 83565 | 77488 | 22512 | 06077 | 50 |
| 60 | 83633 | 77624 | 22376 | 06009 | 40 |
| 70 | 83702 | 77761 | 22239 | 05941 | 30 |
| 80 | 83770 | 77897 | 22103 | 05873 | 20 |
| 90 | 83839 | 78033 | 21967 | 05806 | 10 |
| **84 00** | 83908 | 78170 | 21830 | 05738 | **16 00** |
| 10 | 83976 | 78306 | 21694 | 05670 | 90 |
| 20 | 84045 | 78443 | 21557 | 05602 | 80 |
| 30 | 84113 | 78579 | 21421 | 05534 | 70 |
| 40 | 84182 | 78716 | 21284 | 05466 | 60 |
| 50 | 84250 | 78852 | 21148 | 05398 | 50 |
| 60 | 84319 | 78989 | 21011 | 05330 | 40 |
| 70 | 84387 | 79125 | 20875 | 05262 | 30 |
| 80 | 84456 | 79261 | 20739 | 05195 | 20 |
| 90 | 84525 | 79398 | 20602 | 05127 | 10 |
| **85 00** | 84593 | 79534 | 20466 | 05059 | **15 00** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | $50^g$ |
| | 68 | 136 | 136 | 68 | |

| 49g | 69 | 137 | 137 | 67 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.85** | |
| **85 00** | 84593 | 79534 | 20466 | 05059 | **15 00** |
| 10 | 84662 | 79671 | 20329 | 04991 | 90 |
| 20 | 84730 | 79807 | 20193 | 04923 | 80 |
| 30 | 84799 | 79944 | 20056 | 04855 | 70 |
| 40 | 84867 | 80080 | 19920 | 04787 | 60 |
| 50 | 84936 | 80216 | 19784 | 04719 | 50 |
| 60 | 85004 | 80353 | 19647 | 04651 | 40 |
| 70 | 85073 | 80489 | 19511 | 04583 | 30 |
| 80 | 85141 | 80626 | 19374 | 04516 | 20 |
| 90 | 85210 | 80762 | 19238 | 04448 | 10 |
| **86 00** | 85278 | 80899 | 19101 | 04380 | **14 00** |
| 10 | 85347 | 81035 | 18965 | 04312 | 90 |
| 20 | 85415 | 81172 | 18828 | 04244 | 80 |
| 30 | 85484 | 81308 | 18692 | 04176 | 70 |
| 40 | 85552 | 81444 | 18556 | 04108 | 60 |
| 50 | 85621 | 81581 | 18419 | 04040 | 50 |
| 60 | 85689 | 81717 | 18283 | 03972 | 40 |
| 70 | 85758 | 81854 | 18146 | 03904 | 30 |
| 80 | 85826 | 81990 | 18010 | 03836 | 20 |
| 90 | 85895 | 82127 | 17873 | 03768 | 10 |
| **87 00** | 85963 | 82263 | 17737 | 03700 | **13 00** |
| 10 | 86032 | 82399 | 17601 | 03632 | 90 |
| 20 | 86100 | 82536 | 17464 | 03564 | 80 |
| 30 | 86169 | 82672 | 17328 | 03497 | 70 |
| 40 | 86237 | 82809 | 17191 | 03429 | 60 |
| 50 | 86306 | 82945 | 17055 | 03361 | 50 |
| 60 | 86374 | 83082 | 16918 | 03293 | 40 |
| 70 | 86443 | 83218 | 16782 | 03225 | 30 |
| 80 | 86511 | 83355 | 16645 | 03157 | 20 |
| 90 | 86580 | 83491 | 16509 | 03089 | 10 |
| **88 00** | 86648 | 83627 | 16373 | 03021 | **12 00** |
| 10 | 86717 | 83764 | 16236 | 02953 | 90 |
| 20 | 86785 | 83900 | 16100 | 02885 | 80 |
| 30 | 86854 | 84037 | 15963 | 02817 | 70 |
| 40 | 86922 | 84173 | 15827 | 02749 | 60 |
| 50 | 86991 | 84310 | 15690 | 02681 | 50 |
| 60 | 87059 | 84446 | 15554 | 02613 | 40 |
| 70 | 87128 | 84583 | 15417 | 02545 | 30 |
| 80 | 87196 | 84719 | 15281 | 02477 | 20 |
| 90 | 87265 | 84855 | 15145 | 02409 | 10 |
| **89 00** | 87333 | 84992 | 15008 | 02341 | **11 00** |
| 10 | 87401 | 85128 | 14872 | 02273 | 90 |
| 20 | 87470 | 85265 | 14735 | 02205 | 80 |
| 30 | 87538 | 85401 | 14599 | 02137 | 70 |
| 40 | 87607 | 85538 | 14462 | 02069 | 60 |
| 50 | 87675 | 85674 | 14326 | 02001 | 50 |
| 60 | 87744 | 85810 | 14190 | 01933 | 40 |
| 70 | 87812 | 85947 | 14053 | 01865 | 30 |
| 80 | 87881 | 86083 | 13917 | 01797 | 20 |
| 90 | 87949 | 86220 | 13780 | 01729 | 10 |
| **90 00** | 88017 | 86356 | 13644 | 01661 | **10 00** |
| | **9.84** | **9.99** | **0.00** | **9.85** | c cc |
| | log cos | log ctg | log tg | log sin | $50^g$ |
| | 68 | 136 | 136 | 68 | |

| | 137 | 136 | 69 | 68 | 67 | |
|---|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 6,9 | 6,8 | 6,7 | 1 |
| 2 | 27,4 | 27,2 | 13,8 | 13,6 | 13,4 | 2 |
| 3 | 41,1 | 40,8 | 20,7 | 20,4 | 20,1 | 3 |
| 4 | 54,8 | 54,4 | 27,6 | 27,2 | 26,8 | 4 |
| 5 | 68,5 | 68,0 | 34,5 | 34,0 | 33,5 | 5 |
| 6 | 82,2 | 81,6 | 41,4 | 40,8 | 40,2 | 6 |
| 7 | 95,9 | 95,2 | 48,3 | 47,6 | 46,9 | 7 |
| 8 | 109,6 | 108,8 | 55,2 | 54,4 | 53,6 | 8 |
| 9 | 123,3 | 122,4 | 62,1 | 61,2 | 60,3 | 9 |

| 49g | 69 | 137 | 137 | 68 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | ∗**9.85** | |
| **90 00** | 88017 | 86356 | 13644 | ∗01661 | **10 00** |
| 10 | 88086 | 86493 | 13507 | ∗01593 | 90 |
| 20 | 88154 | 86629 | 13371 | ∗01525 | 80 |
| 30 | 88223 | 86766 | 13234 | ∗01457 | 70 |
| 40 | 88291 | 86902 | 13098 | ∗01389 | 60 |
| 50 | 88360 | 87038 | 12962 | ∗01321 | 50 |
| 60 | 88428 | 87175 | 12825 | ∗01253 | 40 |
| 70 | 88496 | 87311 | 12689 | ∗01185 | 30 |
| 80 | 88565 | 87448 | 12552 | ∗01117 | 20 |
| 90 | 88633 | 87584 | 12416 | ∗01049 | 10 |
| **91 00** | 88702 | 87721 | 12279 | ∗00981 | **09 00** |
| 10 | 88770 | 87857 | 12143 | ∗00913 | 90 |
| 20 | 88838 | 87993 | 12007 | ∗00845 | 80 |
| 30 | 88907 | 88130 | 11870 | ∗00777 | 70 |
| 40 | 88975 | 88266 | 11734 | ∗00709 | 60 |
| 50 | 89044 | 88403 | 11597 | ∗00641 | 50 |
| 60 | 89112 | 88539 | 11461 | ∗00573 | 40 |
| 70 | 89180 | 88676 | 11324 | ∗00505 | 30 |
| 80 | 89249 | 88812 | 11188 | ∗00437 | 20 |
| 90 | 89317 | 88949 | 11051 | ∗00369 | 10 |
| **92 00** | 89386 | 89085 | 10915 | ∗00301 | **08 00** |
| 10 | 89454 | 89221 | 10779 | ∗00233 | 90 |
| 20 | 89522 | 89358 | 10642 | ∗00165 | 80 |
| 30 | 89591 | 89494 | 10506 | ∗00097 | 70 |
| 40 | 89659 | 89631 | 10369 | ∗00028 | 60 |
| 50 | 89728 | 89767 | 10233 | 99960 | 50 |
| 60 | 89796 | 89904 | 10096 | 99892 | 40 |
| 70 | 89864 | 90040 | 09960 | 99824 | 30 |
| 80 | 89933 | 90176 | 09824 | 99756 | 20 |
| 90 | 90001 | 90313 | 09687 | 99688 | 10 |
| **93 00** | 90069 | 90449 | 09551 | 99620 | **07 00** |
| 10 | 90138 | 90586 | 09414 | 99552 | 90 |
| 20 | 90206 | 90722 | 09278 | 99484 | 80 |
| 30 | 90275 | 90859 | 09141 | 99416 | 70 |
| 40 | 90343 | 90995 | 09005 | 99348 | 60 |
| 50 | 90411 | 91132 | 08868 | 99280 | 50 |
| 60 | 90480 | 91268 | 08732 | 99212 | 40 |
| 70 | 90548 | 91404 | 08596 | 99144 | 30 |
| 80 | 90616 | 91541 | 08459 | 99075 | 20 |
| 90 | 90685 | 91677 | 08323 | 99007 | 10 |
| **94 00** | 90753 | 91814 | 08186 | 98939 | **06 00** |
| 10 | 90821 | 91950 | 08050 | 98871 | 90 |
| 20 | 90890 | 92087 | 07913 | 98803 | 80 |
| 30 | 90958 | 92223 | 07777 | 98735 | 70 |
| 40 | 91026 | 92359 | 07641 | 98667 | 60 |
| 50 | 91095 | 92496 | 07504 | 98599 | 50 |
| 60 | 91163 | 92632 | 07368 | 98531 | 40 |
| 70 | 91231 | 92769 | 07231 | 98463 | 30 |
| 80 | 91300 | 92905 | 07095 | 98395 | 20 |
| 90 | 91368 | 93042 | 06958 | 98326 | 10 |
| **95 00** | 91436 | 93178 | 06822 | 98258 | **05 00** |
| | **9.84** | **9.99** | **0.00** | **9.84** | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 68 | 136 | 136 | 69 | |

| 49g | 69 | 137 | 137 | 68 | |
|---|---|---|---|---|---|
| | log sin | log tg | log ctg | log cos | |
| c cc | **9.84** | **9.99** | **0.00** | **9.84** | |
| **95 00** | 91436 | 93178 | 06822 | 98258 | **05 00** |
| 10 | 91505 | 93315 | 06685 | 98190 | 90 |
| 20 | 91573 | 93451 | 06549 | 98122 | 80 |
| 30 | 91641 | 93587 | 06413 | 98054 | 70 |
| 40 | 91710 | 93724 | 06276 | 97986 | 60 |
| 50 | 91778 | 93860 | 06140 | 97918 | 50 |
| 60 | 91846 | 93997 | 06003 | 97850 | 40 |
| 70 | 91915 | 94133 | 05867 | 97781 | 30 |
| 80 | 91983 | 94270 | 05730 | 97713 | 20 |
| 90 | 92051 | 94406 | 05594 | 97645 | 10 |
| **96 00** | 92120 | 94542 | 05458 | 97577 | **04 00** |
| 10 | 92188 | 94679 | 05321 | 97509 | 90 |
| 20 | 92256 | 94815 | 05185 | 97441 | 80 |
| 30 | 92324 | 94952 | 05048 | 97373 | 70 |
| 40 | 92393 | 95088 | 04912 | 97305 | 60 |
| 50 | 92461 | 95225 | 04775 | 97236 | 50 |
| 60 | 92529 | 95361 | 04639 | 97168 | 40 |
| 70 | 92598 | 95498 | 04502 | 97100 | 30 |
| 80 | 92666 | 95634 | 04366 | 97032 | 20 |
| 90 | 92734 | 95770 | 04230 | 96964 | 10 |
| **97 00** | 92802 | 95907 | 04093 | 96896 | **03 00** |
| 10 | 92871 | 96043 | 03957 | 96827 | 90 |
| 20 | 92939 | 96180 | 03820 | 96759 | 80 |
| 30 | 93007 | 96316 | 03684 | 96691 | 70 |
| 40 | 93076 | 96453 | 03547 | 96623 | 60 |
| 50 | 93144 | 96589 | 03411 | 96555 | 50 |
| 60 | 93212 | 96725 | 03275 | 96487 | 40 |
| 70 | 93280 | 96862 | 03138 | 96418 | 30 |
| 80 | 93349 | 96998 | 03002 | 96350 | 20 |
| 90 | 93417 | 97135 | 02865 | 96282 | 10 |
| **98 00** | 93485 | 97271 | 02729 | 96214 | **02 00** |
| 10 | 93553 | 97408 | 02592 | 96146 | 90 |
| 20 | 93622 | 97544 | 02456 | 96078 | 80 |
| 30 | 93690 | 97681 | 02319 | 96009 | 70 |
| 40 | 93758 | 97817 | 02183 | 95941 | 60 |
| 50 | 93826 | 97953 | 02047 | 95873 | 50 |
| 60 | 93895 | 98090 | 01910 | 95805 | 40 |
| 70 | 93963 | 98226 | 01774 | 95737 | 30 |
| 80 | 94031 | 98363 | 01637 | 95668 | 20 |
| 90 | 94099 | 98499 | 01501 | 95600 | 10 |
| **99 00** | 94168 | 98636 | 01364 | 95532 | **01 00** |
| 10 | 94236 | 98772 | 01228 | 95464 | 90 |
| 20 | 94304 | 98908 | 01092 | 95396 | 80 |
| 30 | 94372 | 99045 | 00955 | 95328 | 70 |
| 40 | 94441 | 99181 | 00819 | 95259 | 60 |
| 50 | 94509 | 99318 | 00682 | 95191 | 50 |
| 60 | 94577 | 99454 | 00546 | 95123 | 40 |
| 70 | 94645 | 99591 | 00409 | 95055 | 30 |
| 80 | 94714 | 99727 | 00273 | 94986 | 20 |
| 90 | 94782 | 99864 | 00136 | 94918 | 10 |
| **100 00** | 94850 | ∗00000 | 00000 | 94850 | **00 00** |
| | **9.84** | ∗**0.00** | **0.00** | **9.84** | c cc |
| | log cos | log ctg | log tg | log sin | 50g |
| | 68 | 136 | 136 | 69 | |

| | 137 | 136 | 69 | 68 | |
|---|---|---|---|---|---|
| 1 | 13,7 | 13,6 | 6,9 | 6,8 | 1 |
| 2 | 27,4 | 27,2 | 13,8 | 13,6 | 2 |
| 3 | 41,1 | 40,8 | 20,7 | 20,4 | 3 |
| 4 | 54,8 | 54,4 | 27,6 | 27,2 | 4 |
| 5 | 68,5 | 68,0 | 34,5 | 34,0 | 5 |
| 6 | 82,2 | 81,6 | 41,4 | 40,8 | 6 |
| 7 | 95,9 | 95,2 | 48,3 | 47,6 | 7 |
| 8 | 109,6 | 108,8 | 55,2 | 54,4 | 8 |
| 9 | 123,3 | 122,4 | 62,1 | 61,2 | 9 |