HOZMS

QA 55 J6

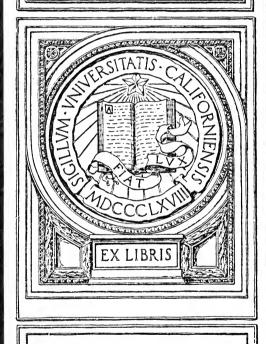


\$B 35 902

QA55 J6

YC 22424

#### IN MEMORIAM FLORIAN CAJORI



# LOGARITHMIC TABLES

JONES



Prof Florian Carjori With kind veganosog fre. 10. Jones

Digitized by the Internet Archive in 2007 with funding from Microsoft Corporation

## LOGARITHMIC TABLES

ВY

### PROF. GEORGE WILLIAM JONES

OF

CORNELL UNIVERSITY.

To promote the detection of errors in the tables, one dollar will be paid for the first notice of every such error. Address Prof. Jones at Ithaca.

ITHACA, N. Y.:
DUDLEY F. FINCH.
1889.

#### **CAJORI**

#### CONTENTS.

	PAGES
I.	
	A six-place table of logarithms of four-figure numbers, with a table
	of proportional differences in the margin:
II.	Constants
	A table of useful constants, with their logarithms.
III.	Sines and Tangents of Small Angles
	A table of the ratios $\sin A''$ : A, $\tan A''$ : A, for angles $0^{\circ}-5^{\circ}$ ,
	whereby the logarithmic sines and tangents of these small angles
	are found more exactly than by Table IV.
IV.	Trigonometric Functions
	A five-place table of natural sines, cosines, tangents, and cotangents of angles 0°-180°, to minutes, and a six-place table of their
	logarithms, with differences of logarithms for 1" expressed in
	units of the sixth decimal place.
v.	Naperian Logarithms
	A six-place table of Naperian logarithms for the numbers 1-1079.
VI.	Meridional Parts
	A table of meridional parts for latitudes 0°-75° in nautical miles

COPYRIGHT, 1889, BY GEORGE WILLIAM JONES.

TYPOGRAPHY BY J. S. CUSHING & Co., BOSTON.

N	0	1	2	3	.4	5	6	7	8	9	Differences.
100	000000	0434	0868	1301	1734	2166	2598	3029	3461	3891	435 430 425 420 1 44 43 43 42
101	4321	4751	5181	5609	6038	6466	6894	7321	7748	8174	2 87 86 85 84
$\begin{array}{c c} 102 \\ 103 \end{array}$	$8600 \\ 012837$	$9026 \\ 3259$	$\frac{9451}{3680}$	$\frac{9876}{4100}$	$*300 \\ 4521$	*724 4940	$\frac{1147}{5360}$	$\frac{1570}{5779}$	$\frac{1993}{6197}$	$\begin{array}{c} 2415 \\ 6616 \end{array}$	3 131 129 128 126 4 174 172 170 168
104	7033	7451	7868	8284	8700	9116	9532	9947	*361	*775	5 218 215 213 210
105	021189	1603	2016	2428	2841	3252	3664	4075	4486	4896	6 261 258 255 252 7 305 301 298 294
106	5306	5715	6125	6533	6942	7350	7757	8164	8571	8978	8 348 344 340 336 9 392 387 383 378
107	9384	9789	*195	*600	1004	1408	1812	$\begin{array}{c} 2216 \\ 6230 \end{array}$	$\frac{2619}{6629}$	3021	415 410 405 400
108 109	$033424 \\ 7426$	$\frac{3826}{7825}$	$\frac{4227}{8223}$	$\frac{4628}{8620}$	$\frac{5029}{9017}$	$5430 \\ 9414$	$\frac{5830}{9811}$	*207	*602	$7028 \\ *998$	1 42 41 41 40 2 83 82 81 80
110	041393	1787	2182	2576	2969	3362	3755	4148	4540	4932	3 125 123 122 120 4 166 164 162 160
111	5323	5714	6105	6495	6885	7275	7664	8053	8442	8830	5 208 205 203 200
112	9218	9606	9993	*380	*766	1153	1538	1924	2309	2694	6 249 246 243 240 7 291 287 284 280
113 114	$053078 \\ 6905$	$\frac{3463}{7286}$	$\frac{3846}{7666}$	$\frac{4230}{8046}$	$\frac{4613}{8426}$	$\frac{4996}{8805}$	$\frac{5378}{9185}$	$\begin{array}{c} 5760 \\ 9563 \end{array}$	$\frac{6142}{9942}$	$6524 \\ *320$	8 332 328 324 320 9 374 369 365 360
115	060698	1075	1452	1829	2206	2582	2958	3333	3709	4083	395 390 385 380
116	4458	4832	5206	5580	5953	6326	6699	7071	7443	7815	1 40 39 39 38 2 79 78 77 76
117	8186	8557	8928	9298	9668	**38	*407	*776	1145	1514	3 119 117 116 114
118	071882	2250	2617	2985	3352	3718	4085	4451	4816	5182	<b>4</b> 158 156 154 152 <b>5</b> 198 195 193 190
119	5547	5912	6276	6640	7004	7368	7731	8094	8457	8819	<b>6</b> 237 234 231 228
120	079181	9543	9904	*266	*626	*987	1347	1707	$\frac{2067}{5647}$	2426	7 277 273 270 266 8 316 312 308 304
$\begin{array}{c c} 121 \\ 122 \end{array}$	$082785 \\ 6360$	$\begin{array}{c} 3144 \\ 6716 \end{array}$	$\frac{3503}{7071}$	$\frac{3861}{7426}$	$\frac{4219}{7781}$	$  4576 \\ 8136  $	$\frac{4934}{8490}$	$\frac{5291}{8845}$	$\frac{5647}{9198}$	$\frac{6004}{9552}$	9 356 351 347 342
123	9905	*258	*611	*963	1315	1667	2018	2370	2721	3071	375 370 365 360
124	093422	3772	4122	4471	4820	5169	5518	5866	$621\overline{5}$	6562	1 38 37 37 36 2 75 74 73 72
125	6910	7257	7604	7951	8298	8644	8990	9335	9681	**26	3 113 111 110 108 4 150 148 146 144
126	100371	0715	1059	1403	1747	2091	2434	2777	3119	3462	<b>5</b> 188 185 183 180
127	3804	4146	4487	4828	5169	5510   8903	5851	6191	6531	6871	6 225 222 219 216 7 263 259 256 252
$\frac{128}{129}$	$7210 \\ 110590$	$7549 \\ 0926$	$\frac{7888}{1263}$	$8227 \\ 1599$	$8565 \\ 1934$	2270	$\frac{9241}{2605}$	$9579 \\ 2940$	$\frac{9916}{3275}$	*253 3609	8 300 296 292 288 9 338 333 329 324
130	113943	4277	4611	4944	5278	5611	5943	6276	6608	6940	355 350 345 340
131	7271	7603	7934	8265	8595	8926	9256	9586	9915	*245	1 36 35 35 34 2 71 70 69 68
132	120574	0903	1231	1560	1888	2216	2544	2871	3198	3525	3 107 105 104 102
133	3852	4178	$\frac{4504}{7753}$	$\frac{4830}{8076}$	$\frac{5156}{8399}$	$\frac{5481}{8722}$	$\frac{5806}{9045}$	$\frac{6131}{9368}$	-6456 $-9690$	6781 **12	4     142     140     138     136       5     178     175     173     170
134	7105	7429									6 213 210 207 204
135 136	130334 3539	$\frac{0655}{3858}$	$0977 \\ 4177$	$\frac{1298}{4496}$	$\frac{1619}{4814}$	1939 5133	$\frac{2260}{5451}$	$2580 \\ 5769$	$\frac{2900}{6086}$	$\frac{3219}{6403}$	7 249 245 242 238 8 284 280 276 272
137	6721	7037	7354	7671	7987	8303	8618	8934	9249	9564	9 320 315 311 306
138	9879	*194	*508	*822	1136	1450	1763	2076	2389	2702	335 330 325 320 1 34 33 33 32
139	143015	3327	3639	3951	4263	4574	4885	5196	5507	5818	2 67 66 65 64
140	146128	6438	6748	7058	7367	7676	7985	8294	8603	8911	3 101 99 98 96 4 134 132 130 128
141	9219	9527	9835	*142	*449	*756	1063	1370	1676	1982	5 168 165 163 160
$\begin{vmatrix} 142 \\ 143 \end{vmatrix}$	152288	2594	$\frac{2900}{5943}$	$\frac{3205}{6246}$	3510	3815	$\frac{4120}{7154}$	$\frac{4424}{7457}$	4728	5032 2061	6 201 198 195 192 7 235 231 228 224
144	5336 8362	$\frac{5640}{8664}$	8965	9266	$6549 \\ 9567$	6852   9868	$7154 \\ *168$	$7457 \\ *469$	7759 *769	$\frac{8061}{1068}$	8 268 264 260 256 9 302 297 293 288
145	161368	1667	1967	2266	2564	2863	3161	3460	3758	4055	315 310 305 300
146	4353	4650	4947	5244	5541	5838	6134	6430	6726	7022	1 32 31 31 30 2 63 62 61 60
147.	7317	7613	7908	8203	8497	8792	9086	9380	9674	9968	3 95 93 92 90
148 149	170262 3186	$\begin{array}{c} -0555 \\ -3478 \end{array}$	$0848 \\ 3769$	$\frac{1141}{4060}$	$\frac{1434}{4351}$	$1726 \\ 4641$	$\frac{2019}{4932}$	$\frac{2311}{5222}$	$\frac{2603}{5512}$	$\frac{2895}{5802}$	4 126 124 122 120 5 158 155 153 150
150	176091	6381	6670	6959	7248	7536	7825	8113	8401	8689	6 189 186 183 180 7 221 217 214 210
151	8977	9264	9552	9839	*126	*413	*699	*986	1272	1558	8 252 248 244 240
152	181844	2129	2415	2700	2985	3270	3555	3839	4123	4407	9 284 279 275 270
153	4691	4975	5259	5542	5825	6108	6391	6674	6956	7239	295 290 285 280 1 30 29 29 28
154	7521	7803	8084	8366	8647	8928	9209	9490	9771	**51	2 59 58 57 56 3 89 87 86 84
155	190332 $3125$	2102	0892	2050	$\frac{1451}{1927}$	1730	2010	2289 5000	$\frac{2567}{5216}$	2846	4 118 116 114 112
$\begin{array}{c c} 156 \\ 157 \end{array}$	5900 5900	$\frac{3403}{6176}$	$\frac{3681}{6453}$	$\frac{3959}{6729}$	$\frac{4237}{7005}$	4514 7281	$\frac{4792}{7556}$	$\frac{5069}{7832}$	$\frac{5346}{8107}$	$\frac{5623}{8382}$	5 148 145 143 140 6 177 174 171 168
158	8657	8932	9206	9481	9755	**29	*303	*577	*850	1124	7 207 203 200 196
159	201397	1670	1943	2216	2488	2761	3033	3305	3577	3848	8 236 232 228 224 9 266 261 257 252
N	0	1	2	3	.4	5	6	7	8	9	Differences.

T

			-			_			-		T.100
N	0	1	2	3	4	5	6	7	8	9	Differences.
160 161 162 163 164	$204120 \\ 6826 \\ 9515 \\ 212188 \\ 4844$	4391 7096 9783 2454 5109	4663 7365 **51 2720 5373	4934 7634 *319 2986 5638	5204 7904 *586 3252 5902	5475 8173 *853 3518 6166	5746 8441 1121 3783 6430	6016 8710 1388 4049 6694	6286 8979 1654 4314 6957	$6556 \\ 9247 \\ 1921 \\ 4579 \\ 7221$	275     270     265     260       1     28     27     27     26       2     55     54     53     52       3     83     81     80     78       4     110     108     106     104       5     138     125     133     130       6     165     162     159     156
165 166 167 168 169	$7484 \\ 220108 \\ 2716 \\ 5309 \\ 7887$	7747 0370 2976 5568 8144	8010 0631 3236 5826 8400	8273 0892 3496 6084 8657	8536 1153 3755 6342 8913	8798 1414 4015 6600 9170	9060 1675 4274 6858 9426	9323 1936 4533 7115 9682	9585 2196 4792 7372 9938	9846 2456 5051 7630 *193	7 193 189 186 182 8 220 216 212 208 9 248 243 239 234 255 250 248 246 1 26 25 25 25 2 51 50 50 49 3 77 75 74 74
170 171 172 173 174	$\begin{array}{r} 230449 \\ 2996 \\ 5528 \\ 8046 \\ 240549 \end{array}$	0704 3250 5781 8297 0799	0960 3504 6033 8548 1048	1215 3757 6285 8799 1297	1470 4011 6537 9049 1546	1724 4264 6789 9299 1795	1979 4517 7041 9550 2044	2234 4770 7292 9800 2293	2488 5023 7544 **50 2541	2742 5276 7795 *300 2790	4     102     100     99     98       5     128     125     124     123       6     153     150     149     148       7     179     175     174     172       8     204     200     198     197       9     230     225     223     221
175 176 177 178 179	3038 5513 7973 250420 2853	3286 5759 8219 0664 3096	3534 6006 8464 0908 3338	3782 6252 8709 1151 3580	4030 6499 8954 1395 3822	$\begin{array}{c} 4277 \\ 6745 \\ 9198 \\ 1638 \\ 4064 \end{array}$	4525 6991 9443 1881 4306	4772 7237 9687 2125 4548	5019 7482 9932 2368 4790	5266 7728 *176 2610 5031	244 242 240 238 1 24 24 24 24 24 2 49 48 48 48 3 73 73 72 71 4 98 97 96 95 5 122 121 120 119 6 146 145 144 143
180 181 182 183 184	$\begin{array}{c} 255273 \\ 7679 \\ 260071 \\ 2451 \\ 4818 \end{array}$	5514 7918 0310 2688 5054	$5755 \\ 8158 \\ 0548 \\ 2925 \\ 5290$	5996 8398 0787 3162 5525	6237 8637 1025 3399 5761	6477 8877 1263 3636 5996	6718 9116 1501 3873 6232	6958 9355 1739 4109 6467	7198 9594 1976 4346 6702	7439 9833 2214 4582 6937	7 171 169 168 167 8 195 194 192 190 9 220 218 216 214 236 234 232 230 1 24 23 23 23 2 47 47 46 46 3 71 70 70 69
185 186 187 188 189	$\begin{array}{r} 7172 \\ 9513 \\ 271842 \\ 4158 \\ 6462 \end{array}$	7406 9746 2074 4389 6692	7641 9980 2306 4620 6921	7875 *213 2538 4850 7151	8110 *446 2770 5081 7380	8344 *679 3001 5311 7609	8578 *912 3233 5542 7838	8812 1144 3464 5772 8067	9046 1377 3696 6002 8296	9279 1609 3927 6232 8525	4         94         94         93         92           5         118         117         116         115           6         142         140         139         138           7         165         164         162         161           8         189         187         186         184           9         212         211         209         207
190 191 192 193 194	278754 281033 3301 5557 7802	8982 1261 3527 5782 8026	9211 1488 3753 6007 8249	9439 1715 3979 6232 8473	9667 1942 4205 6456 8696	9895 2169 4431 6681 8920	*123 2396 4656 6905 9143	*351 2622 4882 7130 9366	*578 2849 5107 7354 9589	*806 3075 5332 7578 9812	228 226 224 222 1 23 23 22 22 2 46 45 45 44 3 68 68 67 67 4 91 90 90 89 5 114 113 112 111 6 137 136 134 133
195 196 197 198 199	290035 2256 4466 6665 8853	0257 2478 4687 6884 9071	0480 2699 4907 7104 9289	$0702 \\ 2920 \\ 5127 \\ 7323 \\ 9507$	0925 3141 5347 7542 9725	1147 3363 5567 7761 9943	1369 3584 5787 7979 *161	1591 3804 6007 8198 *378	1813 •4025 6226 8416 *595	2034 4246 6446 8635 *813	7 160 158 157 155 8 182 181 179 178 9 205 203 202 200 220 218 216 214 1 22 22 22 21 2 44 44 43 43 3 66 65 65 64
200 201 202 203 204	301030 3196 5351 7496 9630	1247 3412 5566 7710 9843	1464 3628 5781 7924 **56	1681 3844 5996 8137 *268	1898 4059 6211 8351 *481	2114 4275 6425 8564 *693	2331 4491 6639 8778 *906	2547 4706 6854 8991 1118	2764 4921 7068 9204 1330	2980 5136 7282 9417 1542	4 88 87 86 86 5 110 109 108 107 6 132 131 130 128 7 154 153 151 150 8 176 174 173 171 9 198 196 194 193
205 206 207 208 209	311754 3867 5970 8063 320146	1966 4078 6180 8272 0354	$2177 \\ 4289 \\ 6390 \\ 8481 \\ 0562$	$2389 \\ 4499 \\ 6599 \\ 8689 \\ 0769$	2600 4710 6809 8898 0977	2812 4920 7018 9106 1184	3023 5130 7227 9314 1391	3234 5340 7436 9522 1598	3445 5551 7646 9730 1805	3656 5760 7854 9938 2012	212 210 208 206 1 21 21 21 21 2 42 42 42 41 3 64 63 62 62 4 85 84 83 82 5 106 105 104 103 6 127 126 125 124
210 211 212 213 214	322219 4282 6336 8380 330414	2426 4488 6541 8583 0617	2633 4694 6745 8787 0819	2839 4899 6950 8991 1022	3046 5105 7155 9194 1225	3252 5310 7359 9398 1427	3458 5516 7563 9601 1630	3665 5721 7767 9805 1832	3871 5926 7972 ***8 2034	4077 6131 8176 *211 2236	7 148 147 146 144 8 170 168 166 165 9 191 189 187 185 204 202 200 198 1 20 20 20 20 2 41 40 40 40
215 216 217 218 219	2438 4454 6460, 8456 340444	$\begin{array}{c} 2640 \\ 4655 \\ 6660 \\ 8656 \\ 0642 \end{array}$	2842 4856 6860 8855 0841	3044 5057 7060 9054 1039	3246 $5257$ $7260$ $9253$ $1237$	3447 5458 7459 9451 1435	3649 5658 7659 9650 1632	3850 5859 7858 9849 1830	4051 6059 8058 **47 2028	4253 6260 8257 *246 2225	3 61 61 60 59 4 82 81 80 79 5 102 101 100 99 6 122 121 120 119 7 143 141 140 139 8 163 162 168 158 9 184 182 100 178
N	0	1	2	3	4	5	6	7	8	9	Differences.

		-									
N	0	1	<b>2</b>	3	4	5	6	7	8	9	Differences.
220 221 222 223 224	342423 4392 6353 8305 350248	$\begin{array}{c} 2620 \\ 4589 \\ 6549 \\ 8500 \\ 0442 \end{array}$	2817 4785 6744 8694 0636	3014 4981 6939 8889 0829	3212 5178 7135 9083 1023	3409 5374 7330 9278 1216	3606 5570 7525 9472 1410	3802 5766 7720 9666 1603	3999 5962 7915 9860 1796	4196 6157 8110 **54 1989	196 194 192 190 1 20 19 19 19 2 39 39 38 38 3 59 58 58 57 4 78 78 77 76 5 98 97 96 95 6 118 116 115 114
225 226 227 228 229	$2183 \\ 4108 \\ 6026 \\ 7935 \\ 9835$	2375 4301 6217 8125 **25	2568 4493 6408 8316 *215	2761 4685 6599 8506 *404	2954 4876 6790 8696 *593	3147 5068 6981 8886 *783	3339 5260 7172 9076 *972	3532 5452 7363 9266 1161	3724 5643 7554 9456 1350	3916 5834 7744 9646 1539	7 137 136 134 133 8 157 155 154 152 9 176 175 173 171 188 186 184 182 1 19 19 18 18 2 38 37 37 36 3 56 56 55 55
230 231 232 233 234	$\begin{array}{r} 361728 \\ 3612 \\ 5488 \\ 7356 \\ 9216 \end{array}$	$   \begin{array}{c}     1917 \\     3800 \\     5675 \\     7542 \\     9401   \end{array} $	2105 3988 5862 7729 9587	2294 4176 6049 7915 9772	2482 4363 6236 8101 9958	2671 4551 6423 8287 *143	2859 4739 6610 8473 *328	3048 4926 6796 8659 *513	3236 5113 6983 8845 *698	3424 5301 7169 9030 *883	3     75     74     74     73       5     94     93     92     91       6     113     112     110     109       7     132     130     129     127       8     150     149     147     146       9     169     167     166     164
235 236 237 238 239	371068 2912 4748 6577 8398	1253 3096 4932 6759 8580	1437 3280 5115 6942 8761	1622 3464 5298 7124 8943	1806 3647 5481 7306 9124	1991 3831 5664 7488 9306	$2175 \\ 4015 \\ 5846 \\ 7670 \\ 9487$	2360 4198 6029 7852 9668	2544 4382 6212 8034 9849	2728 4565 6394 8216 **30	180 178 176 175 1 18 18 18 18 18 2 36 36 35 35 3 54 53 53 53 4 72 71 70 70 5 90 89 88 88 6 108 107 106 105
240 241 242 243 244	380211 2017 3815 5606 7390	0392 2197 3995 5785 7568	0573 2377 4174 5964 7746	$0754 \\ 2557 \\ 4353 \\ 6142 \\ 7923$	0934 2737 4533 6321 8101	1115 2917 4712 6499 8279	1296 3097 4891 6677 8456	1476 3277 5070 6856 8634	1656 3456 5249 7034 8811	1837 3636 5428 7212 8989	7 126 125 123 123 8 144 142 141 140 9 162 160 158 158 174 173 172 171 1 17 17 17 17 2 35 35 35 34 34 3 52 52 52 51
245 246 247 248 249	$\begin{array}{c} 9166 \\ 390935 \\ 2697 \\ 4452 \\ 6199 \end{array}$	9343 1112 2873 4627 6374	9520 1288 3048 4802 6548	9698 1464 3224 4977 6722	9875 1641 3400 5152 6896	**51 1817 3575 5326 7071	*228 1993 3751 5501 7245	*405 2169 3926 5676 7419	*582 2345 4101 5850 7592	*759 2521 4277 6025 7766	4     70     69     69     68       5     87     87     86     86       6     104     104     103     103       7     122     121     120     120       8     139     138     138     137       9     157     156     155     154
250 251 252 253 254	397940 9674 401401 3121 4834	8114 9847 1573 3292 5005	8287 **20 1745 3464 5176	8461 *192 1917 3635 5346	8634 *365 2089 3807 5517	8808 *538 2261 3978 5688	8981 *711 2433 4149 5858	9154 *883 2605 4320 6029	9328 1056 2777 4492 6199	9501 1228 2949 4663 6370	170 169 168 167 1 17 17 17 17 17 2 34 34 34 33 3 51 51 50 50 4 68 68 67 67 5 85 85 84 84 6 102 101 101 100
255 256 257 258 259	6540 8240 9933 411620 3300	6710 8410 *102 1788 3467	6881 8579 *271 1956 3635	7051 8749 *440 2124 3803	7221 8918 *609 2293 3970	7391 9087 *777 2461 4137	7561 9257 *946 2629 4305	7731 9426 1114 2796 4472	7901 9595 1283 2964 4639	8070 9764 1451 3132 4806	7 119 118 118 117 8 136 135 134 134 9 153 152 151 150 166 165 164 163 1 17 17 16 16 2 33 33 33 33 33 3 50 50 49 49
260 261 262 263 264	$414973 \\ 6641 \\ 8301 \\ 9956 \\ 421604$	5140 6807 8467 *121 1768	5307 6973 8633 *286 1933	5474 7139 8798 *451 2097	5641 7306 8964 *616 2261	5808 7472 9129 *781 2426	5974 7638 9295 *945 2590	6141 7804 9460 1110 2754	6308 7970 9625 1275 2918	6474 8135 9791 1439 3082	4 66 66 66 65 5 83 83 82 82 6 100 99 98 98 7 116 116 115 114 8 133 132 131 130 9 149 149 148 147
265 266 267 268 269	3246 4882 6511 8135 9752	3410 5045 6674 8297 9914	3574 5208 6836 8459 **75	3737 5371 6999 8621 *236	3901 5534 7161 8783 *398	4065 5697 7324 8944 *559	4228 5860 7486 9106 *720	4392 6023 7648 9268 *881	$\begin{array}{c} 4555 \\ 6186 \\ 7811 \\ 9429 \\ 1042 \end{array}$	4718 6349 7973 9591 1203	162 161 160 159 1 16 16 16 16 2 32 32 32 32 32 3 49 48 48 48 4 65 64 64 64 5 81 81 80 80 6 97 97 96 95
270 271 272 273 274	431364 2969 4569 6163 . 7751	1525 3130 4729 6322 7909	1685 3290 4888 6481 8067	1846 3450 5048 6640 8226	2007 3610 5207 6799 8384	2167 3770 5367 6957 8542	2328 3930 5526 7116 8701	2488 4090 5685 7275 8859	2649 4249 5844 7433 9017	2809 4409 6004 7592 9175	7 113 113 112 111 8 130 129 128 127 9 146 145 144 143 158 157 156 155 1 16 16 16 16 2 32 31 31 31 3 47 47 47 47 47 4 63 63 62 62
275 276 277 278 279	9333 440909 2480 4045 5604	9491 1066 2637 4201 5760	9648 1224 2793 4357 5915	9806 1381 2950 4513 6071	9964 1538 3106 4669 6226	*122 1695 3263 4825 6382	*279 1852 3419 4981 6537	*437 2009 3576 5137 6692	*594 2166 3732 5293 6848	*752 2323 3889 5449 7003	3     7     7     62     62     62       5     79     79     78     78       6     95     94     94     93       7     111     110     109     109       8     126     126     125     124       9     142     141     140     140
N	0	1	2	3	4	5	6	7	8	9	Differences.

N	0	1	2	3	4	5	6	7	8	9	Differences.
280 281 282 283 284	$447158 \\ 8706 \\ 450249 \\ 1786 \\ 3318$	7313 8861 0403 1940 3471	$7468 \\9015 \\0557 \\2093 \\3624$	$7623 \\ 9170 \\ 0711 \\ 2247 \\ 3777$	7778 9324 0865 2400 3930	7933 9478 1018 2553 4082	$8088 \\ 9633 \\ 1172 \\ 2706 \\ 4235$	8242 9787 1326 2859 4387	8397 9941 1479 3012 4540	8552 **95 1633 3165 4692	155 154 153 152 1 16 15 15 15 2 31 31 31 31 3 47 46 46 46 4 62 62 61 61 5 78 77 77 76 6 93 92 92 91
285 286 287 288 289	$\begin{array}{r} 4845 \\ 6366 \\ 7882 \\ 9392 \\ 460898 \end{array}$	4997 6518 8033 9543 1048	5150 6670 8184 9694 1198	5302 6821 8336 9845 1348	5454 6973 8487 9995 1499	5606 7125 8638 *146 1649	5758 7276 8789 *296 1799	5910 7428 8940 *447 1948	6062 7579 9091 *597 2098	6214 7731 9242 *748 2248	7 109 108 107 106 8 124 123 122 122 9 140 139 138 137 151 150 149 148
290 291 292 293 294	462398 3893 5383 6868 8347	2548 4042 5532 7016 8495	2697 4191 5680 7164 8643	2847 4340 5829 7312 8790	2997 4490 5977 7460 8938	3146 4639 6126 7608 9085	3296 4788 6274 7756 9233	3445 4936 6423 7904 9380	3594 5085 6571 8052 9527	3744 5234 6719 8200 9675	1 15 15 15 15 2 30 30 30 30 30 3 45 45 45 45 4 60 60 60 55 5 76 75 75 74 6 91 90 89 89 7 106 105 104 104 8 121 120 119 118
295 296 297 298 299	$\begin{array}{r} 9822 \\ 471292 \\ 2756 \\ 4216 \\ 5671 \end{array}$	9969 1438 2903 4362 5816	*116 1585 3049 4508 5962	*263 1732 3195 4653 6107	*410 1878 3341 4799 6252	*557 2025 3487 4944 6397	*704 2171 3633 5090 6542	*851 2318 3779 5235 6687	*998 2464 3925 5381 6832	$   \begin{array}{c}     1145 \\     2610 \\     4071 \\     5526 \\     6976   \end{array} $	9 136 135 134 133 147 146 145 144 1 15 15 15 14 2 29 29 29 29 3 44 44 44 43
300 301 302 303 304	477121 8566 480007 1443 2874	7266 8711 0151 1586 3016	$7411 \\ 8855 \\ 0294 \\ 1729 \\ 3159$	7555 8999 0438 1872 3302	7700 9143 0582 2016 3445	7844 9287 0725 2159 3587	7989 9431 0869 2302 3730	8133 9575 1012 2445 3872	8278 9719 1156 2588 4015	8422 9863 1299 2731 4157	4     59     58     58     58       5     74     73     73     72       6     88     88     87     86       7     103     102     102     101       8     118     117     116     115       9     132     131     131     130
305 306 307 308 309	4300 - 5721 $7138$ $8551$ $9958$	4442 5863 7280 8692 **99	4585 6005 7421 8833 *239	4727 6147 7563 8974 *380	4869 6289 7704 9114 *520	5011 6430 7845 9255 *661	5153 6572 7986 9396 *801	5295 6714 8127 9537 *941	5437 6855 8269 9677 1081	5579 6997 8410 9818 1222	143 142 141 140 1 14 14 14 14 2 29 28 28 28 3 43 43 42 42 4 57 57 56 56 5 72 71 71 70
310 311 312 313 314	$491362 \\ 2760 \\ 4155 \\ 5544 \\ 6930$	1502 2900 4294 5683 7068	1642 3040 4433 5822 7206	1782 3179 4572 5960 7344	1922 3319 4711 6099 7483	$\begin{array}{c} 2062 \\ 3458 \\ 4850 \\ 6238 \\ 7621 \end{array}$	2201 3597 4989 6376 7759	2341 3737 5128 6515 7897	2481 3876 5267 6653 8035	2621 4015 5406 6791 8173	6 86 85 85 84 7 100 99 99 98 8 114 114 113 112 9 129 128 127 126
315 316 317 318 319	$8311 \\ 9687 \\ 501059 \\ 2427 \\ 3791$	8448 9824 1196 2564 3927	8586 9962 1333 2700 4063	8724 **99 1470 2837 4199	8862 *236 1607 2973 4335	8999 *374 1744 3109 4471	9137 *511 1880 3246 4607	9275 *648 2017 3382 4743	9412 *785 2154 3518 4878	9550 *922 2291 3655 5014	139 138 137 136 1 14 14 14 14 2 28 28 27 27 3 42 41 41 41 4 56 55 55 54 5 70 69 69 68 6 83 83 82 82 7 97 97 97 96 95
320 321 322 323 324	505150 6505 7856 9203 510545	5286 6640 7991 9337 0679	5421 6776 8126 9471 0813	5557 6911 8260 9606 0947	5693 7046 8395 9740 1081	5828 7181 8530 9874 1215	5964 7316 8664 ***9 1349	6099 7451 8799 *143 1482	6234 7586 8934 *277 1616	6370 7721 9068 *411 1750	3 111 110 110 109 9 125 124 123 122 135 134 133 132 1 14 13 13 13
325 326 327 328 329	1883 3218 4548 5874 7196	$\begin{array}{c} 2017 \\ 3351 \\ 4681 \\ 6006 \\ 7328 \end{array}$	2151 3484 4813 6139 7460	2284 3617 4946 6271 7592	2418 3750 5079 6403 7724	2551 3883 5211 6535 7855	2684 4016 5344 6668 7987	2818 4149 5476 6800 8119	2951 4282 5609 6932 8251	3084 4415 5741 7064 8382	2 27 27 27 26 3 41 40 40 40 4 54 54 53 53 5 68 67 67 66 6 81 80 80 79 7 95 94 93 92 8 108 107 106 106 9 122 121 120 119
330 331 332 333 334	$518514 \\ 9828 \\ 521138 \\ 2444 \\ 3746$	8646 9959 1269 2575 3876	8777 **90 1400 2705 4006	8909 *221 1530 2835 4136	9040 *353 1661 2966 4266	9171 *484 1792 3096 4396	9303 *615 1922 3226 4526	9434 *745 2053 3356 4656	9566 *876 2183 3486 4785	9697 1007 2314 3616 4915	131 130 129 128 1 13 13 13 13 13 2 26 26 26 26 26 3 39 39 39 38 4 52 52 52 51
335 336 337 338 339	5045 6339 7630 8917 530200	5174 6469 7759 9045 0328	5304 6598 7888 9174 0456	5434 6727 8016 9302 0584	5563 6856 8145 9430 0712	5693 6985 8274 9559 0840	5822 7114 8402 9687 0968	5951 7243 8531 9815 1096	6081 7372 8660 9943 1223	6210 7501 8788 **72 1351	5 66 65 65 64 6 79 78 77 77 7 92 91 90 90 8 105 104 103 102 9 118 117 116 115
N	0	1	2	3	4	5	6	. 7	8	9	Differences.

N	0	1	2	3	4	5	6	7	8	9	Differences.
340 341 342 343 344	531479 2754 4026 5294 6558	1607 2882 4153 5421 6685	1734 3009 4280 5547 6811	1862 3136 4407 5674 6937	1990 3264 4534 5800 7063	2117 3391 4661 5927 7189	2245 3518 4787 6053 7315	2372 3645 4914 6180 7441	2500 3772 5041 6306 7567	2627 3899 5167 6432 7693	128 127 126 1 13 13 13 2 26 25 25 3 38 38 38 4 51 51 50 5 64 64 63
345 346 347 348 349	7819 9076 540329 1579 2825	$7945 \\ 9202 \\ 0455 \\ 1704 \\ 2950$	8071 9327 0580 1829 3074	8197 $9452$ $0705$ $1953$ $3199$	8322 9578 0830 2078 3323	8448 9703 0955 2203 3447	8574 9829 1080 2327 3571	8699 9954 1205 2452 3696	8825 **79 1330 2576 3820	8951 *204 1454 2701 3944	6 77 76 76 76 790 89 88 8 102 102 101 9 115 114 113 125 124 123 1 13 12 12
350 351 352 353 354	544068 5307 6543 7775 9003	4192 5431 6666 7898 9126	4316 5555 6789 8021 9249	4440 5678 6913 8144 9371	4564 5802 7036 8267 9494	4688 5925 7159 8389 9616	$\begin{array}{c} 4812 \\ 6049 \\ 7282 \\ 8512 \\ 9739 \end{array}$	4936 6172 7405 8635 9861	5060 6296 7529 8758 9984	5183 6419 7652 8881 *106	2 25 25 25 3 38 37 37 4 50 50 49 5 63 62 62 6 75 74 74 7 88 87 86 8 100 99 98
355 356 357 358 359	550228 1450 2668 3883 5094	0351 1572 2790 4004 5215	0473 1694 2911 4126 5336	0595 1816 3033 4247 5457	0717 1938 3155 4368 5578	0840 2060 3276 4489 5699	0962 2181 3398 4610 5820	1084 2303 3519 4731 5940	1206 $2425$ $3640$ $4852$ $6061$ $7267$	1328 2547 3762 4973 6182 7387	9 113 112 111 122 121 120 1 12 12 12 2 24 24 24 3 37 36 36 4 49 48 48
360 361 362 363 364 365	556303 7507 8709 9907 561101 2293	6423 7627 8829 **26 1221 2412	6544 7748 8948 *146 1340 2531	6664 7868 9068 *265 1459 2650	6785 7988 9188 *385 1578 2769	6905 8108 9308 *504 1698 2887	7026 8228 9428 *624 1817 3006	7146 8349 9548 *743 1936 3125	8469 9667 *863 2055 3244	8589 9787 *982 2174 3362	5 61 61 60 6 73 73 72 7 85 85 84 8 98 97 96 9 110 109 108
366 367 368 369 <b>370</b>	3481 4666 5848 7026 568202	3600 4784 5966 7144 8319	3718 4903 6084 7262 8436	3837 5021 6202 7379 8554	3955 5139 6320 7497 8671	4074 5257 6437 7614 8788	4192 5376 6555 7732 8905	4311 5494 6673 7849 9023	5612 6791 7967 9140	4548 5730 6909 8084 9257	119 118 117 1 12 12 12 2 24 24 23 3 36 35 35 4 48 47 47 5 60 59 59 6 71 71 70
371 372 373 374	9374 570543 1709 2872	$9491 \\ 0660 \\ 1825 \\ 2988$	9608 0776 1942 3104	$\begin{array}{c} 9725 \\ 0893 \\ 2058 \\ 3220 \end{array}$	9842 1010 2174 3336	9959 1126 2291 3452	**76 1243 2407 3568	*193 1359 2523 3684	*309 1476 2639 3800	*426 1592 2755 3915	7 83 83 82 8 95 94 94 9 107 106 105 116 115 114 1 12 12 11
375 376 377 378 379	4031 5188 6341 7492 8639	4147 5303 6457 7607 8754	4263 5419 6572 7722 8868	4379 5534 6687 7836 8983	4494 5650 6802 7951 9097	4610 5765 6917 8066 9212	4726 5880 7032 8181 9326	4841 5996 7147 8295 9441	4957 6111 7262 8410 9555	5072 6226 7377 8525 9669	2 23 23 23 23 3 35 34 46 46 46 46 46 5 58 58 57 6 70 69 68 7 81 81 80 8 93 92 91
380 381 382 383 384	579784 580925 2063 3199 4331	9898 1039 2177 3312 4444	**12 1153 2291 3426 4557	*126 1267 2404 3539 4670	*241 1381 2518 3652 4783	*355 1495 2631 3765 4896	*469 1608 2745 3879 5009	*583 1722 2858 3992 5122	*697 1836 2972 4105 5235	*811 1950 3085 4218 5348	9 104 104 103 113 112 111 1 11 11 11 2 23 22 22 3 34 34 33 4 45 45 44
385 386 387 388 389	5461 6587 7711 8832 9950	5574 6700 7823 8944 **61	5686 6812 7935 9056 *173	5799 6925 8047 9167 *284	5912 7037 8160 9279 *396	6024 7149 8272 9391 *507	6137 7262 8384 9503 *619	6250 7374 8496 9615 *730	6362 7486 8608 9726 *842	6475 7599 8720 9838 *953	4 45 45 44 5 57 56 56 6 68 67 67 7 79 78 78 8 90 90 89 9 102 101 100
390 391 392 393 394	591065 2177 3286 4393 5496	1176 2288 3397 4503 5606	1287 2399 3508 4614 5717	1399 2510 3618 4724 5827	1510 2621 3729 4834 5937	1621 2732 3840 4945 6047	1732 2843 3950 5055 6157	1843 2954 4061 5165 6267	1955 3064 4171 5276 6377	2066 3175 4282 5386 6487	110 109 1 11 11 2 22 22 3 33 33 4 44 44 5 55 55
395 396 397 398 399	6597 7695 8791 9883 600973	6707 7805 8900 9992 1082	6817 7914 9009 *101 1191	6927 8024 9119 *210 1299	7037 8134 9228 *319 1408	7146 8243 9337 *428 1517	7256 8353 9446 *537 1625	7366 8462 9556 *646 1734	7476 8572 9665 *755 1843	7586 8681 9774 *864 1951	6 66 65 7 77 76 8 88 87 9 99 98
N	0	1	2	3	4	5	6	7	8	9	Differences.

N	0	1	2	3	4	5	6	7	8	9	Differences.
400 401 402 403 404	602060 3144 4226 5305 6381	2169 3253 4334 5413 6489	2277 3361 4442 5521 6596	2386 3469 4550 5628 6704	2494 3577 4658 5736 6811	2603 3686 4766 5844 6919	2711 3794 4874 5951 7026	2819 3902 4982 6059 7133	2928 4010 5089 6166 7241	3036 4118 5197 6274 7348	108 107 1 11 11 2 22 21 3 32 32 4 43 43 5 54 54 6 65 64
405 406 407 408 409	$7455 \\ 8526 \\ 9594 \\ 610660 \\ 1723$	7562 8633 9701 0767 1829	7669 8740 9808 0873 1936	7777 8847 9914 0979 2042	7884 8954 **21 1086 2148	7991 9061 *128 1192 2254	8098 9167 *234 1298 2360	8205 9274 *341 1405 2466	8312 9381 *447 1511 2572	8419 9488 *554 1617 2678	5 54 54 6 65 64 7 76 75 8 86 86 9 97 96
410 411 412 413 414	612784 3842 4897 5950 7000	2890 3947 5003 6055 7105	2996 4053 5108 6160 7210	3102 4159 5213 6265 7315	3207 4264 5319 6370 7420	3313 4370 5424 6476 7525	3419 4475 5529 6581 7629	3525 4581 5634 6686 7734	3630 4686 5740 6790 7839	3736 4792 5845 6895 7943	1 11 11 2 21 21 3 22 32 4 42 42 5 53 53 6 64 63 7 74 74 8 85 84
415 416 417 418 419	8048 9093 620136 1176 2214	8153 9198 0240 1280 2318	8257 $9302$ $0344$ $1384$ $2421$	8362 $9406$ $0448$ $1488$ $2525$	$8466 \\ 9511 \\ 0552 \\ 1592 \\ 2628$	8571 9615 0656 1695 2732	8676 9719 0760 1799 2835	8780 9824 0864 1903 2939	8884 9928 0968 2007 3042	8989 **32 1072 2110 3146	9 95 95 104 103 1 10 10 2 21 21 3 31 31 4 42 41
420 421 422 423 424	623249 4282 5312 6340 7366	3353 4385 5415 6443 7468	3456 $4488$ $5518$ $6546$ $7571$	3559 4591 5621 6648 7673	3663 4695 5724 6751 7775	3766 4798 5827 6853 7878	3869 4901 5929 6956 7980	3973 5004 6032 7058 8082	4076 5107 6135 7161 8185	4179 5210 6238 7263 8287	4 42 41 5 52 52 6 62 62 7 73 72 8 83 82 9 94 93
425 426 427 428 429	$8389 \\ 9410 \\ 630428 \\ 1444 \\ 2457$	$\begin{array}{c} 8491 \\ 9512 \\ 0530 \\ 1545 \\ 2559 \end{array}$	8593 9613 0631 1647 2660	8695 9715 0733 1748 2761	8797 9817 0835 1849 2862	8900 9919 0936 1951 2963	9002 **21 1038 2052 3064	9104 *123 1139 2153 3165	9206 *224 1241 2255 3266	9308 *326 1342 2356 3367	102 101 1 10 10 2 20 20 3 31 30 4 41 40 5 51 51
430 431 432 433 434	633468 4477 5484 6488 7490	3569 4578 5584 6588 7590	3670 4679 5685 6688 7690	3771 4779 5785 6789 7790	3872 4880 5886 6889 7890	3973 4981 5986 6989 7990	4074 5081 6087 7089 8090	4175 5182 6187 7189 8190	$\begin{array}{c} 4276 \\ 5283 \\ 6287 \\ 7290 \\ 8290 \end{array}$	4376 5383 6388 7390 8389	6 61 61 7 71 71 71 8 82 81 9 92 91
435 436 437 438 439	$\begin{array}{c} 8489 \\ 9486 \\ 640481 \\ 1474 \\ 2465 \end{array}$	8589 9586 0581 1573 2563	8689 9686 0680 1672 2662	8789 9785 0779 1771 2761	8888 9885 0879 1871 2860	8988 9984 0978 1970 2959	9088 **84 1077 2069 3058	9188 *183 1177 2168 3156	9287 *283 1276 2267 3255	9387 *382 1375 2366 3354	1 10 10 2 20 20 3 30 30 4 40 40 5 50 50 6 60 59 7 70 69
440 441 442 443 444	643453 4439 5422 6404 7383	3551 4537 5521 6502 7481	3650 4636 5619 6600 7579	3749 4734 5717 6698 7676	3847 4832 5815 6796 7774	3946 4931 5913 6894 7872	$\begin{array}{c} 4044 \\ 5029 \\ 6011 \\ 6992 \\ 7969 \end{array}$	4143 5127 6110 7089 8067	4242 5226 6208 7187 8165	4340 5324 6306 7285 8262	8 80 79 9 90 89 98 97 1 10 10
445 446 447 448 449	8360 9335 650308 1278 2246	8458 9432 0405 1375 2343	8555 9530 0502 1472 2440	8653 9627 0599 1569 2536	8750 9724 0696 1666 2633	8848 9821 0793 1762 2730	8945 9919 0890 1859 2826	9043 **16 0987 1956 2923	9140 *113 1084 2053 3019	9237 *210 1181 2150 3116	2 20 19 3 29 29 4 39 39 5 49 49 6 59 58 7 69 68 8 78 78 9 88 87
450 451 452 453 454	653213 4177 5138 6098 7056	3309 4273 5235 6194 7152	3405 $4369$ $5331$ $6290$ $7247$	3502 4465 5427 6386 7343	3598 4562 5523 6482 7438	3695 4658 5619 6577 7534	3791 4754 5715 6673 7629	3888 4850 5810 6769 7725	3984 4946 5906 6864 7820	4080 5042 6002 6960 7916	96 95 1 10 10 2 19 19 3 29 29 4 38 38
455 456 457 458 459	8011 8965 9916 660865 1813	8107 9060 **11 0960 1907	8202 $9155$ $*106$ $1055$ $2002$	8298 9250 *201 1150 2096	8393 9346 *296 1245 2191	8488 9441 *391 1339 2286	8584 9536 *486 1434 2380	8679 9631 *581 1529 2475	8774 9726 *676 1623 2569	8870 9821 *771 1718 2663	5 48 48 6 58 57 67 67 67 8 77 76 9 86 86
N	0	1	2	3	4	5	6	7	8	9	Differences.

N	0	1	2	3	4	5	6	7	8	9	Differences.
460 461 462 463 464	662758 3701 4642 5581 6518	2852 3795 4736 5675 6612	2947 3889 4830 5769 6705	3041 3983 4924 5862 6799	3135 4078 5018 5956 6892	3230 4172 5112 6050 6986	3324 $4266$ $5206$ $6143$ $7079$	3418 4360 5299 6237 7173	3512 4454 5393 6331 7266	3607 4548 5487 6424 7360	94 93 1 9 9 2 19 19 3 28 28 4 38 37 5 47 47 6 56 56
465 466 467 468 469	7453 8386 9317 670246 1173	$7546 \\ 8479 \\ 9410 \\ 0339 \\ 1265$	7640 8572 9503 0431 1358	7733 8665 9596 0524 1451	7826 8759 9689 0617 1543	7920 8852 9782 0710 1636	8013 8945 9875 0802 1728	8106 9038 9967 0895 1821	8199 9131 **60 0988 1913	8293 9224 *153 1080 2005	7 66 65 8 75 74 9 85 84 92 91 1 9 9
470 471 472 473 474	672098 3021 3942 4861 5778	2190 3113 4034 4953 5870	$\begin{array}{c} 2283 \\ 3205 \\ 4126 \\ 5045 \\ 5962 \end{array}$	2375 $3297$ $4218$ $5137$ $6053$	2467 $3390$ $4310$ $5228$ $6145$	2560 3482 4402 5320- 6236	$\begin{array}{c} 2652 \\ 3574 \\ 4494 \\ 5412 \\ 6328 \end{array}$	$\begin{array}{c} 2744 \\ 3666 \\ 4586 \\ 5503 \\ 6419 \end{array}$	2836 $3758$ $4677$ $5595$ $6511$	2929 3850 4769 5687 6602	2 18 18 3 28 27 4 37 36 5 46 46 6 55 55 7 64 64 8 74 73
475 476 477 478 479	6694 7607 8518 9428 680336	$\begin{array}{c} 6785 \\ 7698 \\ 8609 \\ 9519 \\ 0426 \end{array}$	6876 7789 8700 9610 0517.	6968 7881 8791 9700 0607	7059 7972 8882 9791 0698	7151 8063 8973 9882 0789	7242 8154 9064 9973 0879	7333 8245 9155 **63 0970	7424 8336 9246 *154 1060	7516 8427 9337 *245 1151	90 89 1 9 9 2 18 18 3 27 27
480 481 482 483 484	681241 2145 3047 3947 4845	1332 2235 3137 4037 4935	$\begin{array}{c} 1422 \\ 2326 \\ 3227 \\ 4127 \\ 5025 \end{array}$	1513 2416 3317 4217 5114	1603 2506 3407 4307 5204	1693 2596 3497 4396 5294	1784 2686 3587 4486 5383	1874 2777 3677 4576 5473	1964 2867 3767 4666 5563	$\begin{array}{c} 2055 \\ 2957 \\ 3857 \\ 4756 \\ 5652 \end{array}$	4 36 36 5 45 45 6 54 53 7 63 62 8 72 71 9 81 80
485 486 487 488 489	5742 6636 7529 8420 9309	5831 6726 7618 8509 9398	5921 6815 7707 8598 9486	6010 6904 7796 8687 9575	6100 6994 7886 8776 9664	6189 7083 7975 8865 9753	6279 7172 8064 8953 9841	6368 7261 8153 9042 9930	6458 7351 8242 9131 **19	6547 7440 8331 9220 *107	88 87 1 9 9 2 18 17 3 26 26 4 35 35 5 44 44
490 491 492 493 494	690196 1081 1965 2847 3727	$\begin{array}{c} 0285 \\ 1170 \\ 2053 \\ 2935 \\ 3815 \end{array}$	0373 $1258$ $2142$ $3023$ $3903$	$\begin{array}{c} 0462 \\ 1347 \\ 2230 \\ 3111 \\ 3991 \end{array}$	$\begin{array}{c} 0550 \\ 1435 \\ 2318 \\ 3199 \\ 4078 \end{array}$	0639 1524 2406 3287 4166	$\begin{array}{c} 0728 \\ 1612 \\ 2494 \\ 3375 \\ 4254 \end{array}$	0816 $1700$ $2583$ $3463$ $4342$	0905 $1789$ $2671$ $3551$ $4430$	0993 1877 2759 3639 4517	6 53 52 7 62 61 8 70 70 9 79 78
495 496 497 498 499	4605 5482 6356 7220 8101	4693 5569 6444 7317 8188	4781 5657 6531 7404 8275	4868 5744 6618 7491 8362	4956 5832 6706 7578 8449	5044 5919 6793 7665 8535	5131 6007 6880 7752 8622	5219 6094 6968 7839 8709	5307 6182 7055 7926 8796	5394 6269 7142 8014 8883	1 9 2 17 3 26 4 34 5 43 6 52 7 60
500 501 502 503 504	698970 9838 700704 1568 2431	9057 9924 0790 1654 2517	9144 **11 0877 1741 2603	9231 **98 0963 1827 2689	9317 *184 1050 1913 2775	9404 *271 1136 1999 2861	9491 *358 1222 2086 2947	9578 *444 1309 2172 3033	9664 *531 1395 2258 3119	9751 *617 1482 2344 3205	8 69 9 77 85 1 9 2 17 3 26
505 506 507 508 509	3291 4151 5008 5864 6718	3377 4236 5094 5949 6803	3463 4322 5179 6035 6888	3549 4408 5265 6120 6974	3635 4494 5350 6206 7059	3721 $4579$ $5436$ $6291$ $7144$	3807 4665 5522 6376 7229	3893 4751 5607 6462 7315	3979 4837 5693 6547 7400	4065 4922 5778 6632 7485	3 26 2 34 5 43 6 51 7 60 8 68 9 77
510 511 512 513 514	707570 8421 9270 710117 0963	7655 8506 9355 0202 1048	7740 8591 9440 0287 1132	7826 8676 9524 0371 1217	7911 8761 9609 0456 1301	7996 8846 9694 0540 1385	8081 8931 9779 0625 1470	8166 9015 9863 0710 1554	8251 9100 9948 0794 1639	8336 9185 **33 0879 1723	84 1 8 2 17 3 25 4 34
515 516 517 518 519	1807 2650 3491 4330 5167	1892 2734 3575 4414 5251	1976 2818 3659 4497 5335	2060 2902 3742 4581 5418	$\begin{array}{c} 2144 \\ 2986 \\ 3826 \\ 4665 \\ 5502 \end{array}$	2229 3070 3910 4749 5586	2313 3154 3994 4833 5669	2397 3238 4078 4916 5753	2481 3323 4162 5000 5836	2566 3407 4246 5084 5920	5 42 6 50 7 59 8 67 9 76
N	0	1	2	3	4	,5	6	7	8	9	Differences.

4.										1	
N	0	1	2	3	4	5	6	7	8	9	Differences.
<b>520</b> 521 522 523 524	716003 6838 7671 8502 9331	6087 6921 7754 8585 9414	6170 7004 7837 8668 9497	6254 7088 7920 8751 9580	6337 7171 8003 8834 9663	6421 7254 8086 8917 9745	6504 7338 8169 9000 9828	6588 7421 8253 9083 9911	6671 7504 8336 9165 9994	6754 7587 8419 9248 **77	83 82 1 8 8 2 17 16 3 25 25 4 33 33 5 42 41 6 50 49
525 526 527 528 529	$720159 \\ 0986 \\ 1811 \\ 2634 \\ 3456$	0242 $1068$ $1893$ $2716$ $3538$	$\begin{array}{c} 0325 \\ 1151 \\ 1975 \\ 2798 \\ 3620 \end{array}$	0407 $1233$ $2058$ $2881$ $3702$	0490 $1316$ $2140$ $2963$ $3784$	$\begin{array}{c} 0573 \\ 1398 \\ 2222 \\ 3045 \\ 3866 \end{array}$	$\begin{array}{c} 0655 \\ 1481 \\ 2305 \\ 3127 \\ 3948 \end{array}$	$\begin{array}{c} 0738 \\ 1563 \\ 2387 \\ 3209 \\ 4030 \end{array}$	$\begin{array}{c} 0821 \\ 1646 \\ 2469 \\ 3291 \\ 4112 \end{array}$	0903 1728 2552 3374 4194	7 58 57 8 66 66 9 75 74 81 80 1 8 8
<b>530</b> 531 532 533 534	$724276 \\ 5095 \\ 5912 \\ 6727 \\ 7541$	4358 5176 5993 6809 7623	$\begin{array}{c} 4440 \\ 5258 \\ 6075 \\ 6890 \\ 7704 \end{array}$	$\begin{array}{c} 4522 \\ 5340 \\ 6156 \\ 6972 \\ 7785 \end{array}$	4604 5422 6238 7053 7866	4685 5503 6320 7134 7948	$\begin{array}{c} 4767 \\ 5585 \\ 6401 \\ 7216 \\ 8029 \end{array}$	4849 5667 6483 7297 8110	4931 5748 6564 7379 8191	5013 5830 6646 7460 8273	2 16 16 3 24 24 4 32 32 5 41 40 6 49 48 7 57 56 8 65 64
535 536 537 538 539	$\begin{array}{r} 8354 \\ 9165 \\ 9974 \\ 730782 \\ 1589 \end{array}$	8435 9246 **55 0863 1669	8516 9327 *136 0944 1750	8597 9408 *217 1024 1830	8678 9489 *298 1105 1911	8759 9570 *378 1186 1991	8841 9651 *459 1266 2072	8922 9732 *540 1347 2152	9003 9813 *621 1428 2233	9084 9893 *702 1508 2313	9 73 72  79 1 8 2 16 3 24
540 541 542 543 544	732394 3197 3999 4800 5599	$2474 \\ 3278 \\ 4079 \\ 4880 \\ 5679$	$\begin{array}{c} 2555 \\ 3358 \\ 4160 \\ 4960 \\ 5759 \end{array}$	2635 3438 4240 5040 5838	$\begin{array}{c} 2715 \\ 3518 \\ 4320 \\ 5120 \\ 5918 \end{array}$	2796 3598 4400 5200 5998	2876 $3679$ $4480$ $5279$ $6078$	$\begin{array}{c} 2956 \\ 3759 \\ 4560 \\ 5359 \\ 6157 \end{array}$	3037 3839 4640 5439 6237	3117 3919 4720 5519 6317	4 32 5 40 6 47 7 55 8 63 9 71
545 546 547 548 549	6397 7193 7987 8781 9572	$6476 \\ 7272 \\ 8067 \\ 8860 \\ 9651$	6556 7352 8146 8939 9731	6635 7431 8225 9018 9810	6715 7511 8305 9097 9889	6795 7590 -8384 9177 9968	6874 7670 8463 9256 **47	6954 7749 8543 9335 *126	7034 7829 8622 9414 *205	7113 7908 8701 9493 *284	78 1 8 2 16 3 23 4 31 5 39
<b>550</b> 551 552 553 554	740363 1152 1939 2725 3510	0442 1230 2018 2804 3588	0521 1309 2096 2882 3667	0600 $1388$ $2175$ $2961$ $3745$	0678 1467 2254 3039 3823	0757 1546 2332 3118 3902	0836 $1624$ $2411$ $3196$ $3980$	0915 1703 2489 3275 4058	0994 1782 2568 3353 4136	1073 $1860$ $2647$ $3431$ $4215$	6 47 7 55 8 62 9 70
555 556 557 558 559	4293 5075 5855 6634 7412	4371 5153 5933 6712 7489	$\begin{array}{c} 4449 \\ 5231 \\ 6011 \\ 6790 \\ 7567 \end{array}$	4528 5309 6089 6868 7645	4606 5387 6167 6945 7722	4684 5465 6245 7023 7800	5543 6323 7101 7878	4840 $5621$ $6401$ $7179$ $7955$	4919 5699 6479 7256 8033	4997 5777 6556 7334 8110	1 8 2 15 3 23 4 31 5 39 6 46 7 54
<b>560</b> 561 562 563 564	748188 8963 9736 750508 1279	8266 $9040$ $9814$ $0586$ $1356$	8343 9118 9891 0663 1433	8421 9195 9968 0740 1510	8498 9272 **45 0817 1587	8576 9350 *123 0894 1664	8653 9427 *200 0971 1741	8731 9504 *277 1048 1818	8808 9582 *354 1125 1895	8885 9659 *431 1202 1972	8 62 9 69 76 1 8
565 566 567 568 569	2048 2816 3583 4348 5112	$\begin{array}{c} 2125 \\ 2893 \\ 3660 \\ 4425 \\ 5189 \end{array}$	$\begin{array}{c} 2202 \\ 2970 \\ 3736 \\ 4501 \\ 5265 \end{array}$	2279 3047 3813 4578 5341	2356 3123 3889 4654 5417	2433 3200 3966 4730 5494	2509 3277 4042 4807 5570	2586 3353 4119 4883 5646	2663 3430 4195 4960 5722	2740 3506 4272 5036 5799	2 15 3 23 4 30 5 38 6 46 7 53 8 61 9 68
570 571 572 573 574	755875 6636 7396 8155 8912	5951 6712 7472 8230 8988	6027 6788 7548 8306 9063	6103 6864 7624 8382 9139	$6180 \\ 6940 \\ 7700 \\ 8458 \\ 9214$	6256 7016 7775 8533 9290	6332 7092 7851 8609 9366	6408 7168 7927 8685 9441	6484 7244 8003 8761 9517	6560 7320 8079 8836 9592	75 1 8 2 15 3 23 4 30
575 576 577 578 579	9668 760422 1176 1928 2679	$\begin{array}{c} 9743 \\ 0498 \\ 1251 \\ 2003 \\ 2754 \end{array}$	$\begin{array}{c} 9819 \\ 0573 \\ 1326 \\ 2078 \\ 2829 \end{array}$	9894 0649 1402 2153 2904	$9970 \\ 0724 \\ 1477 \\ 2228 \\ 2978$	**45 0799 1552 2303 3053	*121 0875 1627 2378 3128	*196 0950 1702 2453 3203	*272 1025 1778 2529 3278	*347 1101 1853 2604 3353	5 38 6 45 - 7 53 8 60 9 68
N	0	1	2	3	4	5	6	7	8	9	Differences.

N	0	1	2	3	4	5	6	7	8	9	Differences.
580 581 582 583 584	763428 4176 4923 5669 6413	3503 4251 4998 5743 6487	3578 4326 5072 5818 6562	3653 4400 5147 5892 6636	3727 4475 5221 5966 6710	$\begin{bmatrix} 3802 \\ 4550 \\ 5296 \\ 6041 \\ 6785 \end{bmatrix}$	3877 4624 5370 6115 6859	3952 4699 5445 6190 6933	4027 4774 5520 6264 7007	4101 4848 5594 6338 7082	75 74 1 8 7 2 15 15 3 23 22 4 30 30 5 38 37 6 45 44
585 586 587 588 589	7156 7898 8638 9377 770115	7230 7972 8712 9451 0189	7304 8046 8786 9525 0263	7379 8120 8860 9599 0336	7453 8194 8934 9673 0410	7527 8268 9008 9746 0484	7601 8342 9082 9820 0557	7675 $8416$ $9156$ $9894$ $0631$	7749 8490 9230 9968 0705	7823 8564 9303 **42 0778	7 53 52 8 60 59 9 68 67
<b>590</b> 591 592 593 594	770852 1587 2322 3055 3786	$\begin{array}{c} 0926 \\ 1661 \\ 2395 \\ 3128 \\ 3860 \end{array}$	$\begin{array}{c} 0999 \\ 1734 \\ 2468 \\ 3201 \\ 3933 \end{array}$	$1073 \\ 1808 \\ 2542 \\ 3274 \\ 4006$	$   \begin{array}{c}     1146 \\     1881 \\     2615 \\     3348 \\     4079   \end{array} $	1220 1955 2688 3421 4152	$\begin{array}{c} 1293 \\ 2028 \\ 2762 \\ 3494 \\ 4225 \end{array}$	$\begin{array}{c} 1367 \\ 2102 \\ 2835 \\ 3567 \\ 4298 \end{array}$	$1440 \\ 2175 \\ 2908 \\ 3640 \\ 4371$	1514 2248 2981 3713 4444	2 15 3 22 4 29 5 37 6 44 7 51 8 58
595 596 597 598 599	$\begin{array}{c} 4517 \\ 5246 \\ 5974 \\ 6701 \\ 7427 \end{array}$	4590 5319 6047 6774 7499	$\begin{array}{c} 4663 \\ 5392 \\ 6120 \\ 6846 \\ 7572 \end{array}$	$\begin{array}{c} 4736 \\ 5465 \\ 6193 \\ 6919 \\ 7644 \end{array}$	4809 5538 6265 6992 7717	4882 5610 6338 7064 7789	4955 $5683$ $6411$ $7137$ $7862$	5028 5756 6483 7209 7934	5100 5829 6556 7282 8006	5173 5902 6629 7354 8079	9 66 72 1 7 2 14 3 22
600 601 602 603 604	778151 8874 9596 780317 1037	8224 8947 9669 0389 1109	8296 9019 9741 0461 1181	8368 9091 9813 0533 1253	8441 9163 9885 0605 1324	8513 9236 9957 0677 1396	8585 9308 **29 0749 1468	8658 9380 *101 0821 1540	8730 9452 *173 0893 1612	8802 9524 *245 0965 1684	4 29 5 36 6 43 7 50 8 58 9 65
605 606 607 608 609	1755 2473 3189 3904 4617	$\begin{array}{c} 1827 \\ 2544 \\ 3260 \\ 3975 \\ 4689 \end{array}$	$\begin{array}{c} 1899 \\ 2616 \\ 3332 \\ 4046 \\ 4760 \end{array}$	1971 2688 3403 4118 4831	2042 2759 3475 4189 4902	$\begin{array}{c} 2114 \\ 2831 \\ 3546 \\ 4261 \\ 4974 \end{array}$	2186 2902 3618 4332 5045	2258 2974 3689 4403 5116	2329 3046 3761 4475 5187	2401 3117 3832 4546 5259	71 1 7 2 14 3 21 4 28 5 36
610 611 612 613 614	785330 6041 6751 7460 8168	5401 6112 6822 7531 8239	5472 6183 6893 7602 8310	5543 6254 6964 7673 8381	5615 6325 7035 7744 8451	5686 6396 7106 7815 8522	5757 6467 7177 7885 8593	5828 6538 7248 7956 8663	5899 6609 7319 8027 8734	5970 6680 7390 8098 8804	6 43 7 50 8 57 9 64
615 616 617 618 619	8875 9581 790285 0988 1691	8946 9651 0356 1059 1761	9016 9722 0426 1129 1831	9087 9792 0496 1199 1901	$\begin{array}{c} 9157 \\ 9863 \\ 0567 \\ 1269 \\ 1971 \end{array}$	9228 9933 0637 1340 2041	9299 ***4 0707 1410 2111	9369 **74 0778 1480 2181	9440 *144 0848 1550 2252	9510 *215 0918 1620 2322	1 7 2 14 3 21 4 28 5 35 6 42 7 49
620 621 622 623 624	792392 3092 3790 4488 5185	$\begin{array}{c} 2462 \\ 3162 \\ 3860 \\ 4558 \\ 5254 \end{array}$	2532 3231 3930 4627 5324	$\begin{array}{c} 2602 \\ 3301 \\ 4000 \\ 4697 \\ 5393 \end{array}$	2672 3371 4070 4767 5463	2742 3441 4139 4836 5532	$\begin{array}{c} 2812 \\ 3511 \\ 4209 \\ 4906 \\ 5602 \end{array}$	$\begin{array}{c} 2882 \\ 3581 \\ 4279 \\ 4976 \\ 5672 \end{array}$	$\begin{array}{c} 2952 \\ 3651 \\ 4349 \\ 5045 \\ 5741 \end{array}$	3022 3721 4418 5115 5811	8 56 9 63 69 1 7 2 14
625 626 627 628 629	5880 6574 7268 7960 8651	5949 6644 7337 8029 8720	6019 6713 7406 8098 8789	6088 6782 7475 8167 8858	6158 6852 7545 8236 8927	6227 6921 7614 8305 8996	6297 6990 7683 8374 9065	6366 7060 7752 8443 9134	6436 7129 7821 8513 9203	6505 7198 7890 8582 9272	2 14 3 21 4 28 5 35 6 41 7 48 8 55 9 62
630 631 632 633 634	799341 800029 0717 1404 2089	$\begin{array}{c} 9409 \\ 0098 \\ 0786 \\ 1472 \\ 2158 \end{array}$	$\begin{array}{c} 9478 \\ 0167 \\ 0854 \\ 1541 \\ 2226 \end{array}$	$\begin{array}{c} 9547 \\ 0236 \\ 0923 \\ 1609 \\ 2295 \end{array}$	$\begin{array}{c} 9616 \\ 0305 \\ 0992 \\ 1678 \\ 2363 \end{array}$	9685 0373 1061 1747 2432	$9754 \\ 0442 \\ 1129 \\ 1815 \\ 2500$	9823 $0511$ $1198$ $1884$ $2568$	$\begin{array}{c} 9892 \\ 0580 \\ 1266 \\ 1952 \\ 2637 \end{array}$	$9961 \\ 0648 \\ 1335 \\ 2021 \\ 2705$	68 1 7 2 14 3 20 4 27
635 636 637 638 639	2774 3457 - 4139 4821 5501	2842 3525 4208 4889 5569	2910 3594 4276 4957 5637	2979 3662 4344 5025 5705	3047 3730 4412 5093 5773	3116 3798 4480 5161 5841	3184 3867 4548 5229 5908	3252 3935 4616 5297 5976	3321 4003 4685 5365 6044	3389 $4071$ $4753$ $5433$ $6112$	5 34 6 41 7 48 8 54 9 61
N	0	1	2	3	4	5	6	7	8	9	Differences.

<b>.</b>			-				c		-		T.100
'N	0	1	2	3	4	5	6	7	8_	9	Differences.
640 641 642 643 644	806180 6858 7535 8211 8886	6248 6926 7603 8279 8953	6316 6994 7670 8346 9021	6384 7061 7738 8414 9088	6451 7129 7806 8481 9156	6519 7179 7873 8549 9223	6587 7264 7941 8616 9290	6655 7332 8008 8684 9358	6723 7400 8076 8751 9425	6790 7467 8143 8818 9492	68 67 1 7 7 2 14 13 3 20 20 4 27 27 5 34 34 6 41 40
645 646 647 648 649	$\begin{array}{c} 9560 \\ 810233 \\ 0904 \\ 1575 \\ 2245 \end{array}$	$9627 \\ 0300 \\ 0971 \\ 1642 \\ 2312$	9694 0367 1039 1709 2379	9762 0434 1106 1776 2445	9829 0501 1173 1843 2512	9896 0569 1240 1910 2579	9964 0636 1307 1977 2646	**31 0703 1374 2044 2713	**98 0770 1441 2111 2780	*165 0837 1508 2178 2847	7 48 47 8 54 54 9 61 60
650 651 652 653 654	812913 3581 4248 4913 5578	2980 3648 4314 4980 5644	3047 3714 4381 5046 5711	3114 3781 4447 5113 5777	3181 3848 4514 5179 5843	3247 $3914$ $4581$ $5246$ $5910$	3314 3981 4647 5312 5976	3381 4048 4714 5378 6042	3448 4114 4780 5445 6109	3514 4181 4847 5511 6175	2 13 3 20 4 26 5 33 6 40 7 46 8 53
655 656 657 658 659	$6241 \\ 6904 \\ 7565 \\ 8226 \\ 8885$	6308 6970 7631 8292 8951	6374 7036 7698 8358 9017	6440 7102 7764 8424 9083	6506 7169 7830 8490 9149	6573 7235 7896 8556 9215	6639 7301 7962 8622 9281	6705 7367 8028 8688 9346	6771 7433 8094 8754 9412	6838 7499 8160 8820 9478	9 59 65 1 7 2 13 3 20 4 26
660 661 662 663 664	819544 820201 0858 1514 2168	9610 0267 0924 1579 2233	9676 0333 0989 1645 2299	9741 0399 1055 1710 2364	9807 0464 1120 1775 2430	9873 0530 1186 1841 2495	9939 0595 1251 1906 2560	***4 0661 1317 1972 2626	**70 0727 1382 2037 2691	*136 0792 1448 2103 2756	4 26 5 33 6 39 7 46 8 52 9 59
665 666 667 668 669	2822 3474 4126 4776 5426	2887 3539 4191 4841 5491	2952 3605 4256 4906 5556	3018 3670 4321 4971 5621	3083 3735 4386 5036 5686	3148 $3800$ $4451$ $5101$ $5751$	3213 3865 4516 5166 5815	3279 3930 4581 5231 5880	3344 3996 4646 5296 5945	3409 4061 4711 5361 6010	64 1 6 2 13 3 19 4 26 5 32
670 671 672 673 674	826075 6723 7369 8015 8660	6140 6787 7434 8080 8724	6204 6852 7499 8144 8789	6269 6917 7563 8209 8853	6334 6981 7628 8273 8918	6399 7046 7692 8338 8982	6464 7111 7757 8402 9046	6528 7175 7821 8467 9111	6593 7240 7886 8531 9175	6658 7305 7951 8595 9239	6 38 7 45 8 51 9 58
675 676 677 678 679	9304 9947 830589 1230 1870	9368 **11 0653 1294 1934	9432 **75 0717 1358 1998	9497 *139 0781 1422 2062	9561 *204 0845 1486 2126	9625 *268 0909 1550 2189	9690 *332 0973 1614 2253	9754 *396 1037 1678 2317	9818 *460 1102 1742 2381	9882 *525 1166 1806 2445	1 6 2 13 3 19 4 25 5 32 6 38 7 44
680 681 682 683 684	832509 3147 3784 4421 5056	2573 3211 3848 4484 5120	2637 3275 3912 4548 5183	2700 3338 3975 4611 5247	2764 3402 4039 4675 5310	2828 3466 4103 4739 5373	2892 3530 4166 4802 5437	2956 3593 4230 4866 5500	3020 3657 4294 4929 5564	3083 3721 4357 4993 5627	8 50 9 57 62 1 6
685 686 687 688 689	5691 6324 6957 7588 8219	5754 6387 7020 7652 8282	5817 6451 7083 7715 8345	5881 6514 7146 7778 8408	5944 6577 7210 7841 8471	6007 6641 7273 7904 8534	6071 6704 7336 7967 8597	6134 6767 7399 8030 8660	6197 6830 7462 8093 8723	6261 6894 7525 8156 8786	2 12 3 19 4 25 5 31 6 37 7 43 8 50 9 56
690 691 692 693 694	838849 9478 840106 0733 1359	8912 9541 0169 0796 1422	8975 9604 0232 0859 1485	9038 9667 0294 0921 1547	9101 9729 0357 0984 1610	9164 9792 0420 1046 1672	$\begin{array}{c} 9227 \\ 9855 \\ 0482 \\ 1109 \\ 1735 \end{array}$	$\begin{array}{c} 9289 \\ 9918 \\ 0545 \\ 1172 \\ 1797 \end{array}$	9352 9981 0608 1234 1860	9415 **43 0671 1297 1922	61 1 6 2 12 3 18 4 24
695 696 697 698 699	1985 2609 3233 3855 4477	2047 2672 3295 3918 4539	2110 2734 3357 3980 4601	$\begin{array}{c} 2172 \\ 2796 \\ 3420 \\ 4042 \\ 4664 \end{array}$	2235 2859 3482 4104 4726	2297 2921 3544 4166 4788	2360 2983 3606 4229 4850	2422 3046 3669 4291 4912	2484 3108 3731 4353 4974	2547 3170 3793 4415 5036	5 31 6 37 7 43 8 49 9 55
N	0	1	2	3	4	5	6	7	8′	9	Differences.

N	0	1	2	3	4	5	6	7	8	9	Differences.
700 701 702 703 704	845098 5718 6337 6955 7573	5160 5780 6399 7017 7634	5222 5842 6461 7079 7696	5284 5904 6523 7141 7758	5346 5966 6585 7202 7819	5408 6028 6646 7264 7881	5470 6090 6708 7326 7943	5532 6151 6770 7388 8004	5594 6213 6832 7449 8066	5656 6275 6894 7511 8128	62 1 6 2 12 3 19 4 25
705 706 707 708 709	8189 8805 9419 850033 0646	8251 8866 9481 0095 0707	8312 $8928$ $9542$ $0156$ $0769$	8374 8989 9604 0217 0830	8435 9051 9665 0279 0891	8497 9112 9726 0340 0952	8559 9174 9788 0401 1014	8620 9235 9849 0462 1075	8682 9297 9911 0524 1136	8743 9358 9972 0585 1197	5 31 6 37 7 43 8 50 9 56
710 711 712 713 714	851258 1870 2480 3090 3698	$1320 \\ 1931 \\ 2541 \\ 3150 \\ 3759$	$1381 \\ 1992 \\ 2602 \\ 3211 \\ 3820$	1442 2053 2663 3272 3881	1503 2114 2724 3333 3941	1564 2175 2785 3394 4002	1625 2236 2846 3455 4063	1686 2297 2907 3516 4124	1747 2358 2968 3577 4185	1809 2419 3029 3637 4245	61 1 6 2 12 3 18 4 24
715 716 717 718 719	4306 4913 5519 6124 6729	4367 4974 5580 6185 6789	4428 5034 5640 6245 6850	4488 5095 5701 6306 6910	4549 5156 5761 6366 6970	4610 5216 5822 6427 7031	4670 5277 5882 6487 7091	4731 5337 5943 6548 7152	$\begin{array}{c} 4792 \\ 5398 \\ 6003 \\ 6608 \\ 7212 \end{array}$	4852 5459 6064 6668 7272	5 31 6 37 7 43 8 49 9 55
720 721 722 723 724	857332 7935 8537 9138 9739	7393 7995 8597 9198 9799	7453 8056 8657 9258 9859	7513 8116 8718 9318 9918	7574 8176 8778 9379 9978	7634 8236 8838 9439 **38	7694 8297 8898 9499 **98	7755 8357 8958 9559 *158	7815 8417 9018 9619 *218	7875 8477 9078 9679 *278	60 1 6 2 12 3 18 4 24 5 30
725 726 727 728 729	860338 0937 1534 2131 2728	0398 0996 1594 2191 2787	0458 1056 1654 2251 2847	0518 1116 1714 2310 2906	0578 1176 1773 2370 2966	0637 1236 1833 2430 3025	$\begin{array}{c} 0697 \\ 1295 \\ 1893 \\ 2489 \\ 3085 \end{array}$	$0757 \\ 1355 \\ 1952 \\ 2549 \\ 3144$	$0817 \\ 1415 \\ 2012 \\ 2608 \\ 3204$	0877 1475 2072 2668 3263	5 30 6 36 7 42 8 48 9 54
730 731 732 733 734	863323 3917 4511 5104 5696	3382 3977 4570 5163 5755	3442 4036 4630 5222 5814	3501 4096 4689 5282 5874	3561 4155 4748 5341 5933	3620 4214 4808 5400 5992	3680 4274 4867 5459 6051	3739 4333 4926 5519 6110	3799 4392 4985 5578 6169	3858 4452 5045 5637 6228	59 1 6 2 12 3 18 4 24
735 736 737 738 739	6287 · 6878 7467 8056 8644	6346 6937 7526 8115 8703	6405 6996 7585 8174 8762	$6465 \\ 7055 \\ 7644 \\ 8233 \\ 8821$	6524 7114 7703 8292 8879	6583 7173 7762 8350 8938	6642 7232 7821 8409 8997	6701 7291 7880 8468 9056	6760 7350 7939 8527 9114	6819 7409 7998 8586 9173	5 30 6 35 7 41 8 47 9 53
740 741 742 743 744	869232 9818 870404 0989 1573	9290 9877 0462 1047 1631	$\begin{array}{c} 9349 \\ 9935 \\ 0521 \\ 1106 \\ 1690 \end{array}$	9408 9994 0579 1164 1748	$\begin{array}{c} 9466 \\ **53 \\ 0638 \\ 1223 \\ 1806 \end{array}$	9525 *111 0696 1281 1865	9584 *170 0755 1339 1923	9642 *228 0813 1398 1981	9701 *287 0872 1456 2040	9760 *345 0930 1515 2098	58 1 6 2 12 3 17 4 23 5 29
745 746 747 748 749	2156 2739 3321 3902 4482	$\begin{array}{c} 2215 \\ 2797 \\ 3379 \\ 3960 \\ 4540 \end{array}$	2273 2855 3437 4018 4598	$\begin{array}{c} 2331 \\ 2913 \\ 3495 \\ 4076 \\ 4656 \end{array}$	2389 2972 3553 4134 4714	2448 3030 3611 4192 4772	$\begin{array}{c} 2506 \\ 3088 \\ 3669 \\ 4250 \\ 4830 \end{array}$	2564 3146 3727 4308 4888	2622 3204 3785 4366 4945	2681 3262 3844 4424 5003	5 29 6 35 7 41 8 46 9 52
750 751 752 753 754	875061 5640 6218 6795 7371	5119 5698 6276 6853 7429	5177 5756 6333 6910 7487	5235 5813 6391 6968 7544	$\begin{array}{c} 5293 \\ 5871 \\ 6449 \\ 7026 \\ 7602 \end{array}$	5351 5929 6507 7083 7659	5409 5987 6564 7141 7717	5466 $6045$ $6622$ $7199$ $7774$	5524 $6102$ $6680$ $7256$ $7832$	5582 6160 6737 7314 7889	57 1 6 2 11 3 17 4 23 5 29
755 756 757 758 759	7947 8522 9096 9669 880242	8004 8579 9153 9726 0299	8062 8637 9211 9784 0356	8119 8694 9268 9841 0413	8177 8752 9325 9898 0471	8234 8809 9383 9956 0528	8292 8866 9440 **13 0585	8349 8924 9497 **70 0642	8407 8981 9555 *127 0699	8464 9039 9612 *185 0756	6 34 7 40 8 46 9 51
N	0	1	2	3	4	5	6	7	8	9	Différences.

N	0	1	2	3	4	5	6	7	8	9	Differences.
<b>760</b> 761 762 763 764	$880814 \\ 1385 \\ 1955 \\ 2525 \\ 3093$	0871 1442 2012 2581 3150	0928 1499 2069 2638 3207	0985 1556 2126 2695 3264	1042 1613 2183 2752 3321	1099 1670 2240 2809 3377	1156 1727 2297 2866 3434	1213 1784 2354 2923 3491	1271 1841 2411 2980 3548	1328 1898 2468 3037 3605	57 1 6
765 766 767 768 769	3661 $4229$ $4795$ $5361$ $5926$	3718 4285 4852 5418 5983	3775 4342 4909 5474 6039	3832 4399 4965 5531 6096	3888 4455 5022 5587 6152	3945 4512 5078 5644 6209	4002 $4569$ $5135$ $5700$ $6265$	4059 4625 5192 5757 6321	4115 4682 5248 5813 6378	4172 4739 5305 5870 6434	2 11 3 17 4 23 5 29 6 34 7 40 8 46
770 771 772 773 774	886491 7054 7617 8179 8741	6547 7111 7674 8236 8797	6604 7167 7730 8292 8853	6660 7223 7786 8348 8909	6716 7280 7842 8404 8965	6773 7336 7898 8460 9021	6829 7392 7955 8516 9077	6885 7449 8011 8573 9134	6942 7505 8067 8629 9190	6998 7561 8123 8685 9246	9 51
775 776 777 778 779	$\begin{array}{c} 9302 \\ 9862 \\ 890421 \\ 0980 \\ 1537 \end{array}$	9358 9918 0477 1035 1593	9414 9974 0533 1091 1649	9470 **30 0589 1147 1705	9526 **86 0645 1203 1760	9582 *141 0700 1259 1816	9638 *197 0756 1314 1872	9694 *253 0812 1370 1928	9750 *309 0868 1426 1983	9806 *365 0924 1482 2039	56 1 6 2 11 3 17 4 22 5 28 6 34 7 39
780 781 782 783 784	892095 2651 3207 3762 4316	2150 2707 3262 3817 4371	2206 2762 3318 3873 4427	2262 2818 3373 3928 4482	2317 2873 3429 3984 4538	2373 2929 3484 4039 4593	2429 2985 3540 4094 4648	2484 3040 3595 4150 4704	2540 3096 3651 4205 4759	2595 3151 3706 4261 4814	7 39 8 45 9 50
785 786 787 788 789	4870 5423 5975 6526 7077	4925 $5478$ $6030$ $6581$ $7132$	4980 5533 6085 6636 7187	5036 $5588$ $6140$ $6692$ $7242$	5091 5644 6195 6747 7297	5146 5699 6251 6802 7352	5201 5754 6306 6857 7407	5257 $5809$ $6361$ $6912$ $7462$	5312 5864 6416 6967 7517	5367 5920 6471 7022 7572	55 1 6 2 11 3 17 4 22
790 791 792 793 794	897627 8176 8725 9273 9821	7682 8231 8780 9328 9875	7737 8286 8835 9383 9930	7792 8341 8890 9437 9985	7847` 8396 8944 9492 **39	7902 8451 8999 9547 **94	7957 8506 9054 9602 *149	8012 8561 9109 9656 *203	8067 8615 9164 9711 *258	8122 8670 9218 9766 *312	5 28 6 33 7 39 8 44 9 50
795 796 797 798 799	900367 0913 1458 2003 2547	$\begin{array}{c} 0422 \\ 0968 \\ 1513 \\ 2057 \\ 2601 \end{array}$	$0476 \\ 1022 \\ 1567 \\ 2112 \\ 2655$	$\begin{array}{c} 0531 \\ 1077 \\ 1622 \\ 2166 \\ 2710 \end{array}$	$\begin{array}{c} 0586 \\ 1131 \\ 1676 \\ 2221 \\ 2764 \end{array}$	0640 1186 1731 2275 2818	$0695 \\ 1240 \\ 1785 \\ 2329 \\ 2873$	$0749 \\ 1295 \\ 1840 \\ 2384 \\ 2927$	0804 1349 1894 2438 2981	0859 1404 1948 2492 3036	54 1 5 2 11 3 16 4 22
800 801 802 803 804	903090 3633 4174 4716 5256	3144 3687 4229 4770 5310	3199 3741 4283 4824 5364	3253 3795 4337 4878 5418	3307 3849 4391 4932 5472	3361 3904 4445 4986 5526	3416 3958 4499 5040 5580	3470 4012 4553 5094 5634	3524 4066 4607 5148 5688	3578 4120 4661 5202 5742	3 16 4 22 5 27 6 32 7 38 8 43 9 49
805 806 807 808 809	5796 6335 6874 7411 4 7949	5850 6389 6927 7465 8002	5904 6443 6981 7519 8056	5958 6497 7035 7573 8110	6012 6551 7089 7626 8163	6066 6604 7143 7680 8217	6119 6658 7196 7734 8270	6173 6712 7250 7787 8324	6227 6766 7304 7841 8378	6281 6820 7358 7895 8431	53 1 5
810 811 812 813 814	908485 9021 9556 910091 0624	$\begin{array}{c} 8539 \\ 9074 \\ 9610 \\ 0144 \\ 0678 \end{array}$	8592 $9128$ $9663$ $0197$ $0731$	$86\overline{4}6$ $9181$ $9716$ $0251$ $0784$	8699 9235 9770 0304 0838	8753 9289 9823 0358 0891	8807 $9342$ $9877$ $0411$ $0944$	8860 9396 9930 0464 0998	8914 9449 9984 0518 1051	8967 9503 **37 0571 -1104	2 11 3 16 4 21 5 27 6 32 7 37 8 42
815 816 817 818 819	1158 1690 2222 2753 3284	1211 1743 2275 2806 3337	1264 1797 2328 2859 3390	1317 1850 2381 2913 3443	1371 1903 2435 2966 3496	1424 1956 2488 3019 3549	$1477 \\ 2009 \\ 2541 \\ 3072 \\ 3602$	$\begin{array}{c} 1530 \\ 2063 \\ 2594 \\ 3125 \\ 3655 \end{array}$	1584 2116 2647 3178 3708	1637 2169 2700 3231 3761	9 48
N	0	1	2	3	4	5	6	7	8	9	Differences.

N	0	1	2	3	4	5	6	7	8	9	Differences.
820	913814	3867	3920	3973	4026	4079	4132	4184	4237	4290	- moronoco
821 822	4343 4872	$\frac{4396}{4925}$	4449 4977	$\frac{4502}{5030}$	$\frac{4555}{5083}$	$\frac{4608}{5136}$	$\frac{4660}{5189}$	$\frac{4713}{5241}$	$\begin{array}{c} 4766 \\ 5294 \end{array}$	$\frac{4819}{5347}$	
823	5400	5453	5505	5558	5611	5664	5716	5769	5822	5875	E 9
824	5927	5980	6033	6085	6138	6191	6243	6296	6349	6401	$egin{array}{ccc} {\bf 53} \\ {f 1} & {f 5} \\ {f 2} & {\bf 11} \\ \end{array}$
$\begin{array}{c} 825 \\ 826 \end{array}$	6454 6980	$\frac{6507}{7033}$	$\frac{6559}{7085}$	$\frac{6612}{7138}$	6664 7190	$\frac{6717}{7243}$	$\frac{6770}{7295}$	$6822 \\ 7348$	$\frac{6875}{7400}$	$\frac{6927}{7453}$	3 16 4 21
827	7506	7558	7611	$\frac{7663}{8188}$	7716 8240	$7768 \\ 8293$	$7820 \\ 8345$	$7873 \\ 8397$	$7925 \\ 8450$	$\frac{7978}{8502}$	5 27
828 829	8030 8555	$8083 \\ 8607$	$8135 \\ 8659$	8712	8764	8816	8869	8921	8973	9026	6 32 7 37 8 42
830	919078	9130	9183	9235	9287	9340	9392	9444	9496	9549	9 48
$\begin{array}{c} 831 \\ 832 \end{array}$	$9601 \\ 920123$	$\frac{9653}{0176}$	$9706 \\ 0228$	$9758 \\ 0280$	$   \begin{array}{c c}     9810 \\     0332   \end{array} $	$\frac{9862}{0384}$	$\frac{9914}{0436}$	$9967 \\ 0489$	**19 0541	**71 0593	
833	0645	0697	0749	0801	0853	0906	0958	1010	1062	1114	1
834 835	1166 1686	$1218 \\ 1738$	$1270 \\ 1790$	1322 $1842$	1374 1894	1426 1946	1478 1998	1530 $2050$	1582 $2102$	1634 2154	52
836	2206	2258	$\frac{1790}{2310}$	2362	2414	2466	2518	2570	2622	2674	1 5 2 10 3 16
837 838	$2725 \\ 3244$	$\frac{2777}{3296}$	$\frac{2829}{3348}$	$\frac{2881}{3399}$	$\frac{2933}{3451}$	$\frac{2985}{3503}$	$\frac{3037}{3555}$	$\frac{3089}{3607}$	$\frac{3140}{3658}$	$\frac{3192}{3710}$	3 16 4 21
839	3762	3814	3865	3917	3969	4021	4072	4124	4176	4228	5 26 6 31
840	924279	4331	4383	4434	4486	4538	4589	4641	4693	4744	7 36 8 42
$\frac{841}{842}$	$4796 \\ 5312$	$\begin{array}{c} 4848 \\ 5364 \end{array}$	$\frac{4899}{5415}$	$\frac{4951}{5467}$	5003   5518	$5054 \\ 5570$	$\begin{array}{c} 5106 \\ 5621 \end{array}$	$\begin{array}{c} 5157 \\ 5673 \end{array}$	$\frac{5209}{5725}$	$\frac{5261}{5776}$	9 47
843	5828	5879	5931	5982	6034	6085	6137	6188	6240	$6291 \\ 6805$	1.0
844	6342 6857	6394 6908	6445 6959	6497 $7011$	$6548 \\ 7062$	$6600 \\ 7114$	$6651 \\ 7165$	$6702 \\ 7216$	6754 $7268$	7319	
846	7370	7422	7473	7524	7576	7627	7678	7730	7781	7832	51
847 848	7883 8396	$7935 \\ 8447$	$7986 \\ 8498$	$8037 \\ 8549$	$8088 \\ 8601$	$8140 \\ 8652$	8191 8703	$8242 \\ 8754$	$8293 \\ 8805$	$8345 \\ 8857$	1 5 2 10
849	8908	8959	9010	9061	9112	9163	9215	9266	9317	9368	3 15 4 20
850 851	929419 9930	$9470 \\ 9981$	$9521 \\ **32$	9572 **83	9623 *134	9674 *185	.9725 *236	9776 *287	$9827 \\ *338$	9879 *389	5 26 6 31
852	930440	0491	0542	0592	0643	0694	0745	0796	0847	0898	7 36 8 41
853 854	$0949 \\ 1458$	$\frac{1000}{1509}$	$\frac{1051}{1560}$	$\begin{array}{c} 1102 \\ 1610 \end{array}$	$\frac{1153}{1661}$	$1204 \\ 1712$	$\frac{1254}{1763}$	$\frac{1305}{1814}$	$\frac{1356}{1865}$	$\frac{1407}{1915}$	9 46
855	1966	2017	2068	2118	2169	2220	2271	2322	2372	2423	
856	2474	2524	2575	2626	2677	2727	2778	2829	2879	2930	
857 858	2981 3487	$\frac{3031}{3538}$	$\frac{3082}{3589}$	3133 3639	$\frac{3183}{3690}$	$3234 \\ 3740$	$\frac{3285}{3791}$	$\frac{3335}{3841}$	$\frac{3386}{3892}$	$\frac{3437}{3943}$	50 1 5
859	3993	4044	4094	4145	4195	4246	4296	4347	4397	4448	2 10 3 15
8 <b>60</b> 861	934498 5003	$4549 \\ 5054$	$\frac{4599}{5104}$	$\frac{4650}{5154}$	$\frac{4700}{5205}$	$4751 \\ 5255$	$\frac{4801}{5306}$	$\frac{4852}{5356}$	$\frac{4902}{5406}$	$\frac{4953}{5457}$	4 20
862	5507	5558	5608	5658	5709	5759	5809	5860	5910	5960	5 25 6 30 7 35
863 864	$6011 \\ 6514$	$\begin{array}{c} 6061 \\ 6564 \end{array}$	$\begin{array}{c} 6111 \\ 6614 \end{array}$	$\begin{array}{c} 6162 \\ 6665 \end{array}$	$\frac{6212}{6715}$	$6262 \\ 6765$	$6313 \\ 6815$	$6363 \\ 6865$	$\frac{6413}{6916}$	$6463 \\ 6966$	8 40 9 45
865	7016	7066	7117	7167	7217	7267	7317	7367	7418	7468	
866 867	7518 8019	$7568 \\ 8069$	$7618 \\ 8119$	$7668 \\ 8169$	$7718 \\ 8219$	7769 8269	$7819 \\ 8320$	$7869 \\ 8370$	$7919 \\ 8420$	7969 8470	
868	8520	8570	8620	8670	8720	8770	8820	8870	8920	8970	
869	9020	9070	9120	9170	9220	9270	9320	9369	9419	9469	49 1 5
870 871	939519 940018	$9569 \\ 0068$	$9619 \\ 0118$	$9669 \\ 0168$	$9719 \\ 0218$	$\begin{vmatrix} 9769 \\ 0267 \end{vmatrix}$	$\frac{9819}{0317}$	$\frac{9869}{0367}$	$9918 \\ 0417$	$\frac{9968}{0467}$	2 10 3 15 4 20
872	0516	0566	0616	0666	0716	0765	0815	0865	$0915 \\ 1412$	0964	5 25
873 874	1014 1511	$1064 \\ 1561$	$\frac{1114}{1611}$	$\frac{1163}{1660}$	$\frac{1213}{1710}$	1263 1760	$\frac{1313}{1809}$	$\frac{1362}{1859}$	$1412 \\ 1909$	$\frac{1462}{1958}$	6 29 7 34
875	2008	2058	2107	2157	2207	2256	2306	2355	2405	2455	8 39 9 44
876 877	$\frac{2504}{3000}$	$\frac{2554}{3049}$	$\frac{2603}{3099}$	$\frac{2653}{3148}$	$\frac{2702}{3198}$	$\begin{vmatrix} 2752 \\ 3247 \end{vmatrix}$	$\frac{2801}{3297}$	$\frac{2851}{3346}$	$\frac{2901}{3396}$	$\frac{2950}{3445}$	
878 879	3495	3544	3593	3643	3692	3742	3791	3841	3890	3939	
	3989	4038	4088	4137	4186	4236	4285	4335	4384	4433	
N	0	1	2	3	4	5	6	7	8	9	Differences.

N	0	1	2	3	4	5	6	7	8	9	Differences.
880 881 882 883 884	944483 4976 5469 5961 6452	$\begin{array}{c} 4532 \\ 5025 \\ 5518 \\ 6010 \\ 6501 \end{array}$	4581 5074 5567 6059 6551	4631 5124 5616 6108 6600	4680 5173 5665 6157 6649	4729 5222 5715 6207 6698	4779 5272 5764 6256 6747	4828 5321 5813 6305 6796	4877 5370 5862 6354 6845	4927 5419 5912 6403 6894	- 4
885 886 887 888 889	6943 7434 7924 8413 8902	6992 7483 7973 8462 8951	7041 7532 8022 8511 8999	7090 7581 8070 8560 9048	7140 7630 8119 8609 9097	7189 7679 8168 8657 9146	7238 7728 8217 8706 9195	7287 7777 8266 8755 9244	7336 7826 8315 8804 9292	7385 7875 8364 8853 9341	49 1 5 2 10 3 15 4 20 5 25
890 891 892 893 894	949390 9878 950365 0851 1338	9439 9926 0414 0900 1386	9488 9975 0462 0949 1435	9536 **24 0511 0997 1483	9585 **73 0565 1046 1532	9634 *121 0608 1095 1580	9683 *170 0657 1143 1629	9731 *219 0706 1192 1677	9780 *267 0754 1240 1726	9829 *316 0803 1289 1775	6 29 7 34 8 39 9 44
895 896 897 898 899	1823 2308 2792 3276 3760	1872 2356 2841 3325 3808	1920 2405 2889 3373 3856	1969 2453 2938 3421 3905	2017 2502 2986 3470 3953	2066 2550 3034 3518 4001	2114 2599 3083 3566 4049	2163 2647 3131 3615 4098	2211 2696 3180 3663 4146	2260 2744 3228 3711 4194	48
900 901 902 903 904	954243 4725 5207 5688 6168	4291 4773 5255 5736 6216	4339 4821 5303 5784 6265	4387 4869 5351 5832 6313	4435 4918 5399 5880 6361	4484 4966 5447 5928 6409	4532 5014 5495 5976 6457	4580 5062 5543 6024 6505	4628 5110 5592 6072 6553	4677 5158 5640 6120 6601	1 5 2 10 3 14 4 19 5 24 6 29
905 906 907 908 909	6649 7128 7607 8086 8564	6697 7176 7655 8134 8612	6745 7224 7703 8181 8659	6793 7272 7751 8229 8707	6840 7320 7799 8277 8755	6888 7368 7847 8325 8803	6936 7416 7894 8373 8850	6984 7464 7942 8421 8898	7032 7512 7990 8468 8946	7080 7559 8038 8516 8994	7 34 8 38 9 43 .
910 911 912 913 914	959041 9518 9995 960471 0946	9089 9566 **42 0518 0994	9137 9614 **90 0566 1041	9185 9661 *138 0613 1089	9232 9709 *185 0661 1136	9280 9757 *233 0709 1184	9328 9804 *280 0756 1231	9375 9852 *328 0804 1279	9423 9900 *376 0851 1326	9471 9947 *423 0899 1374	47 1 5
915 916 917 918 919	$1421 \\ 1895 \\ 2369 \\ 2843 \\ 3316$	1469 1943 2417 2890 3363	1516 1990 2464 2937 3410	1563 2038 2511 2985 3457	1611 2085 2559 3032 3504	1658 2132 2606 3079 3552	1706 2180 2653 3126 3599	1753 2227 2701 3174 3646	1801 2275 2748 3221 3693	1848 2322 2795 3268 3741	2 9 3 14 4 19 5 24 6 28 7 33
920 921 922 923 924	$963788 \\ 4260 \\ 4731 \\ 5202 \\ 5672$	3835 4307 4778 5249 5719	3882 4354 4825 5296 5766	3929 4401 4872 5343 5813	3977 4448 4919 5390 5860	4024 4495 4966 5437 5907	4071 4542 5013 5484 5954	4118 4590 5061 5531 6001	4165 4637 5108 5578 6048	4212 4684 5155 5625 6095	8 38 9 42
925 926 927 928 929	6142 6611 7080 7548 8016	6189 6658 7127 7595 8062	6236 6705 7173 7642 8109	6283 6752 7220 7688 8156	6329 6799 7267 7735 8203	6376 6845 7314 7782 8249	6423 6892 7361 7829 8296	6470 6939 7408 7875 8343	6517 6986 7454 7922 8390	6564 7033 7501 7969 8436	46 1 5 2 9
930 931 932 933 934	968483 8950 9416 9882 970347	8530 8996 9463 9928 0393	8576 9043 9509 9975 0440	8623 9090 9556 **21 0486	8670 9136 9602 **68 0533	8716 9183 9649 *114 0579	8763 9229 9695 *161 0626	8810 9276 9742 *207 0672	8856 9323 9789 *254 0719	8903 9369 9835 *300 0765	2 9 3 14 4 18 5 28 6 28 7 32 8 37 9 41
935 936 937 938 939	0812 1276 1740 2203 2666	0858 1322 1786 2249 2712	0904 1369 1832 2295 2758	0951 1415 1879 2342 2804	0997 1461 1925 2388 2851	1044 1508 1971 2434 2897	1090 1554 2018 2481 2943	1137 1601 2064 2527 2989	1183 1647 2110 2573 3035	1229 1693 2157 2619 3082	
N	0	1	2	3	4	5	6	7	8	9	Differences.

N	0	1	2	3	4	5	6	7	8	9	Differences.
940 941 942 943 944	973128 3590 4051 4512 4972	3174 3636 4097 4558 5018	3220 3682 4143 4604 5064	3266 3728 4189 4650 5110	3313 3774 4235 4696 5156	3359 3820 4281 4742 5202	3405 3866 4327 4788 5248	3451 3913 4374 4834 5294	3497 3959 4420 4880 5340	3543 4005 4466 4926 5386	
945 946 947 948 949	5432 5891 6350 6808 7266	5478 5937 6396 6854 7312	5524 $5983$ $6442$ $6900$ $7358$	5570 6029 6488 6946 7403	5616 6075 6533 6992 7449	5662 6121 6579 7037 7495	5707 6167 6625 7083 7541	5753 6212 6671 7129 7586	5799 6258 6717 7175 7632	5845 6304 6763 7220 7678	46 1 5 2 9 3 14 4 18 5 23
950 951 952 953 954	977724 8181 8637 9093 9548	7769 8226 8683 9138 9594	7815 8272 8728 9184 9639	7861 8317 8774 9230 9685	7906 8363 8819 9275 9730	7952 8409 8865 9321 9776	7998 8454 8911 9366 9821	8043 8500 8956 9412 9867	8089 8546 9002 9457 9912	8135 8591 9047 9503 9958	6 28 7 32 8 37 9 41
955 956 957 958 959	980003 0458 0912 1366 1819	0049 $0503$ $0957$ $1411$ $1864$	$0094 \\ 0549 \\ 1003 \\ 1456 \\ 1909$	0140 $0594$ $1048$ $1501$ $1954$	$0185 \\ 0640 \\ 1093 \\ 1547 \\ 2000$	$\begin{array}{c} 0231 \\ 0685 \\ 1139 \\ 1592 \\ 2045 \end{array}$	0276 $0730$ $1184$ $1637$ $2090$	0322 $0776$ $1229$ $1683$ $2135$	0367 $0821$ $1275$ $1728$ $2181$	$0412 \\ 0867 \\ 1320 \\ 1773 \\ 2226$	45
960 961 962 963 964	982271 2723 3175 3626 4077	2316 2769 3220 3671 4122	2362 2814 3265 3716 4167	$2407 \\ 2859 \\ 3310 \\ 3762 \\ 4212$	2452 2904 3356 3807 4257	$2497 \\ 2949 \\ 3401 \\ 3852 \\ 4302$	2543 2994 344¢ 3897 4347	2588 3040 3491 3942 4392	2633 3085 3536 3987 4437	$\begin{array}{c} 2678 \\ 3130 \\ 3581 \\ 4032 \\ 4482 \end{array}$	1 5 22 9 3 14 4 18 5 23 6 27 7 32
965 966 967 968 969	4527 4977 5426 5875 6324	4572 5022 5471 5920 6369	4617 5067 5516 5965 6413	$\begin{array}{c} 4662 \\ 5112 \\ 5561 \\ 6010 \\ 6458 \end{array}$	4707 5157 5606 6055 6503	$\begin{array}{c} 4752 \\ 5202 \\ 5651 \\ 6100 \\ 6548 \end{array}$	4797 5247 5696 6144 6593	4842 $5292$ $5741$ $6189$ $6637$	4887 5337 5786 6234 6682	4932 5382 5830 6279 6727	8 36 9 41
970 971 972 973 974	986772 7219 7666 8113 8559	6817 7264 7711 8157 8604	6861 7309 7756 8202 8648	6906 7353 7800 8247 8693	6951 7398 7845 8291 8737	6996 7443 7890 8336 8782	7040 7488 7934 8381 8826	7085 7532 7979 8425 8871	7130 7577 8024 8470 8916	7175 $7622$ $8068$ $8514$ $8960$	44 1 4
975 976 977 978 979	9005 9450 9895 990339 0783	9049 9494 9939 0383 0827	9094 9539 9983 0428 0871	9138 9583 **28 0472 0916	9183 9628 **72 0516 0960	9227 9672 *117 0561 1004	9272 9717 *161 0605 1049	9316 9761 *206 0650 1093	9361 9806 *250 0694 1137	9405 9850 *294 0738 1182	2 9 3 13 4 18 5 22 6 26 7 31 8 35
980 981 982 983 984	$991226 \\ 1669 \\ 2111 \\ 2554 \\ 2995$	1270 1713 2156 2598 3039	1315 1758 2200 2642 3083	1359 1802 2244 2686 3127	1403 1846 2288 2730 3172	1448 1890 2333 2774 3216	1492 1935 2377 2819 3260	1536 1979 2421 2863 3304	1580 2023 2465 2907 3348	$1625 \\ 2067 \\ 2509 \\ 2951 \\ 3392$	9 40
985 986 987 988 989	3436 3877 4317 4757 5196	3480 3921 4361 4801 5240	3524 3965 4405 4845 5284	3568 4009 4449 4889 5328	3613 4053 4493 4933 5372	3657 4097 4537 4977 5416	3701 $4141$ $4581$ $5021$ $5460$	3745 4185 4625 5065 5504	3789 4229 4669 5108 5547	3833 4273 4713 5152 5591	43 1 4 2 9 3 13
990 991 992 993 994	995635 6074 6512 6949 7386	5679 6117 6555 6993 7430	5723 6161 6599 7037 7474	5767 6205 6643 7080 7517	5811 6249 6687 7124 7561	5854 6293 6731 7168 7605	5898 6337 6774 7212 7648	5942 6380 6818 7255 7692	5986 6424 6862 7299 7736	6030 6468 6906 7343 7779	3 13 4 17 5 22 6 26 7 30 8 34 9 39
995 996 997 998 999	7823 8259 8695 9131 9565	7867 8303 8739 9174 9609	7910 8347 8782 9218 9652	7954 8390 8826 9261 9696	7998 8434 8869 9305 9739	8041 8477 8913 9348 9783	8085 8521 8956 9392 9826	8129 8564 9000 9435 9870	8172 8608 9043 9479 9913	8216 8652 9087 9522 9957	
N	0	1	2	3	4	5	6	7	8	9	Differences.

ASTRONOMY.	No.	Log	LOCARITHMS.	No.	Log
mean sol. sec. in 1 sid. day,		4.935326	base Nap. log, e	2.71828	0.434294
in 1 sid. year	31558150. 31556929.	7.499112 7.499095	mod. com. log, м	0.43429	9.637784
in 1 trop. year ang. vel. of earth's rot'n .	$7.2921:10^{5}$	5.862854		2.30258	0.362216
vel. in cm-sec. in orbit.	2960600.	6.471380	MEASURES.	,	
of pt. on eq. due to rot'n,	46510.	4.667546	inches in 1 meter (Clarke)	39.37043	1.595170
centrif. force in dyne-gm.			ft. in 1 m	3.28087	0.515989
at equator due to rot'n.	3.3908	0.530302	sq. ft. in 1 sq. m acres in 1 are	$10.76411 \\ 0.024711$	$1.031978 \\ 8.392890$
CHEMISTRY.			yds. in 1 m	1.09362	0.038868
	0.0000	8.952308	sq. yd. in 1 sq. m	1.19601	0.077735
wt. 1 ltr. hydrogen in gm. wt. 1 ltr. air in gm.	0.0896 $1.293$	0.111599	ft. in 1 mile	5280.	3.722634
ratio m. wt. to spec. grav.,	28.87	1.460447	ft. in 1 naut. mile	6077.715	3.783700
nor. press. of atm. in mm.,	760.	2.880814	cm. in 1 inch in. in 1 cm	$2.53998 \\ 0.393704$	$0.404830 \\ 9.595170$
			cm. in 1 ft.	30.47971	1.484011
EARTH, FIGURE OF.			ft. in 1 cm	0.032809	8.515989
equatorial radius, miles .	3963.269	3.598054	cm. in 1 yd	91.43912	1.961132
polar radius mean radius	3949.834 3956.	3.596579 3.597256	yd. in 1 cm	0.010936	8.038868
arc of 1° of equator	69.172	1.839930	cm. in 1 mile mi. in 1 cm	$\begin{array}{c} 160933. \\ 6.2138:10^6 \end{array}$	5.206645 $4.793355$
circumf. of equator	24901.954	4.396233	cm. in 1 naut. mile	185230.	5.267711
ellipticity of earth	$3.3901:10^3$	7.530210	n. mi. in 1 cm	5.3987: 106	4.732289
eccentricity of meridian.	0.082271	8.915249	cub. cm. in 1 cub. in	16.38660	1.214489
FLEOTBIOLTY			cub. in. in 1 cub. cm	0.061025	8.785511
ELECTRICITY.			cub. cm. in 1 cub. ft	28316.07	4.452033
legal ohm (cm. mercury, 1 mm. sq.)	106.	2.025306	cub. ft. in 1 cub. cm cub. cm. in 1 cub. yd	$3.5316:10^{5}$ 764535.	5.547967 5.883397
elec-chem equiv. of silver,	0.01118	8.048442	cub. yd. in 1 cub. cm	$1.3080:10^{6}$	4.116603
silver dep. gm-ampere-hr.,	4.025	0.604766	lb. in 1 kg	2.20463	0.343337
			gm. in 1 lb	453.59	2.656663
FORCE (lat. 45°).			$\pi$ .		0.497
dynes in wt. of 1 gm	980.6056	2.991494	$\pi = 3.14159\ 26535\ 89793$ .		0.497150
gm. in 1 dyne	$1.0198:10^3$	7.008506	$\frac{1}{4}\pi$	0.78540	9.895090
dynes in wt. of 1 lb. av lb. in 1 dyne	$444792. \\ 2.2482:10^{6}$	5.648157 $4.351843$	$\left  \frac{1}{6} \pi \right $	0.52360	9.718999
dynes in wt. of 1 oz	27799.	4.444037	$\left(\frac{4}{3}\pi\right)$	4.18879	0.622089
oz. in 1 dyne	$3.5972:10^{5}$	5.555963	$\begin{bmatrix} 1:\pi \dots \dots \end{bmatrix}$	0.31831	9.502850
dynes in wt. of 1 grain .	63.542	1.803059	$\begin{bmatrix} \pi^2 & \cdots & \cdots & \cdots & \cdots & \cdots \\ 1 & \pi^2 & \cdots & \cdots & \cdots & \cdots \end{bmatrix}$	$9.86960 \\ 0.10132$	0.994300 $9.005700$
grains in one dyne	0.015738	8.196941	$\sqrt{\pi}$	1.77245	0.248575
dynes in 1 poundal poundals in 1 dyne	$13825.$ $7.2333:10^{5}$	4.140665 5.859335	$1:\sqrt{\pi}$	0.56419	9.751425
poundars in 1 dyne	1.2000.10	0.000000	$ \pi\sqrt{2} $	4.44288	0.647665
CRAVITY.			$\pi:\sqrt{2}$	2.22144	0.346635
g, in ft-sec. = $32.1808$			$\sqrt{\frac{1}{2}\pi} \cdots \sqrt{(2:\pi)} \cdots$	$1.25331 \\ 0.79788$	0.098060 $9.901940$
0821 cos 2 lat.	20.0	1 505050	$180^{\circ}:\pi$	57°.29578	1.758123
as used in hydraulics.	$\begin{vmatrix} 32.2 \\ 0.031056 \end{vmatrix}$	$1.507856 \\ 8.492144$	$\pi:180$	0.01745	8.241877
1:g	0.051050	8.191114	$180 \cdot 60'$ : $\pi$	3437'.747	3.536274
$\sqrt{2}\mathrm{g}$	8.02496	1.904443	$\pi:\overline{180\cdot 60}$	$2.9089:10^4$	6.463726
$\sqrt{(1:2\mathrm{g})}$	0.12461	9.095557	$\overline{180 \cdot 60 \cdot 60^{\prime\prime}} \colon \pi  \dots$	206264".8	5.314425
$g_0$ , in cm-sec. (lat. $45^{\circ}$ ).	980.6056	2.991494	$\pi:\overline{180\cdot 60\cdot 60}\dots$	4.8481:106	4.685575
HEAT.	,		360 • 60 • 60 •	1296000.	6.112605
ft-lb. to ht. 1 lb. wat. 1° F.	772.	2.887617	VELOCITIES.		
1° C	1390.	3.143015	cm-sec. in 1 ft-sec	30.47971	1.484011
gm-cm to ht. 1 lb.wat. 1° C.	424.	2.627366	ft-sec. in 1 cm-sec	0.032809	8.515989
lat. ht. steam at 100° C	540.	2.732394	cm-sec. in 1 mile-hr	44.70367	1.650343
coef. of expan. of gases.	0.003665	7.564074	mi-hr. in 1 cm-sec	0.02237	8.349657
LICHT.			cm-sec. in 1 km-hr	$27.777 \\ 0.036$	1.443697 8.556303
wave length sodium light,			кm-hr. in 1 cm-sec	0.000	0.000000
in mm. D <sub>1</sub>	$5.896:10^{4}$	6.770557	WORK.		
$\mathbf{D_2} \dots \dots$	$5.890:10^{4}$	6.770115	gm-cm. in 1 ft-lb	13825.	4.140665
vel.in km-sec(Michelson)	299853.	5.476908	ft-lb. in 1 gm-cm	$7.2333:10^{5}$	5.859335
(Newcomb)	299810.	5.476846	gm-cm. in 1 ft-grain	$\frac{1.975}{0.50633}$	0.295567
(Listing) rotation pl. pol. sod. light,	299990.	5.477107	ft-gr. in 1 gm-cm	0.50633 100000.	9.704433 5.
by quartz 1 mm. thick,	21°.67		gm-cm. in 1 kg-m	.00001	5.
I Tames I mini. thick,	~1 .01				

	,				D14 1 D	10+log (tan A ": A)					. 18
			g (sin A								
	00	10	20	30	40	00	<u>1</u> °	20	30	40	
0' 1 2 3 4	4.68 5575 5575 5575 5575 5575	5553 5552 5551 5551 5550	5487 5485 5484 5482 5481	5376 5374 5372 5370 5367	5222 5219 5216 5213 5210	5575 5575 5575 5575 5575	$\begin{array}{c} 5619 \\ 5620 \\ 5622 \\ 5623 \\ 5625 \end{array}$	5751 5754 5757 5760 5763	5972 5976 5981 5985 5990	$6281 \\ 6287 \\ 6293 \\ 6299 \\ 6305$	0" 60 120 180 240
5 6 7 8 9	5575 5575 5575 5574 5574	5549 5548 5547 5547 5546	5479 5478 5476 5475 5473	5365 5363 5361 5358 5356	5207 5204 5201 5198 5195	5575 5575 5575 5576 5576	5627 5628 5630 5632 5633	5766 5769 5773 5776 5779	5994 5999 6003 6008 6013	6311 6317 6323 6329 6335	300 360 420 480 540
10 11 12 13 14	4.68 5574 5574 5574 5574 5574	5545 5544 5543 5542 5541	5471 5470 5468 5467 5465	5354 5351 5349 5347 5344	5192 5189 5186 5183 5180	5576 5576 5577 5577 5577	5635 5637 5638 5640 5642	5782 5785 5788 5792 5795	6017 6022 6027 6031 6036	6341 $6348$ $6354$ $6360$ $6366$	600 660 720 780 840
15 16 17 18 19	5573 5573 5573 5573 5573	5540 5539 5539 5538 5537	6463 5462 5460 5458 5457	5342 5340 5337 5335 5332	5177 5173 5170 5167 5164	5578 5578 5578 5579 5579	5644 5646 5648 5649 5651	5798 5802 5805 5808 5812	$\begin{array}{c} 6041 \\ 6046 \\ 6051 \\ 6055 \\ 6060 \end{array}$	6372 6379 6385 6391 6398	900 960 1020 1080 1140
20 21 22 23 24	4.68 5572 5572 5572 5572 5571	5536 5535 5534 5533 5532	5455 5453 5451 5450 5448	5330 5327 5325 5322 5320	5161 5157 5154 5151 5148	5580 5580 5581 5581 5582	5653 5655 5657 5659 5661	5815 5818 5822 5825 5829	6065 6070 6075 6080 6085	6404 $6410$ $6417$ $6423$ $6430$	1200 1260 1320 1380 1440
25 26 27 28 29	5571 5571 5570 5570 5570	5531 5530 5529 5527 5526	5446 5444 5443 5441 5439	5317 5315 5312 5310 5307	5145 5141 5138 5135 5132	5583 5584 5584 5584 5585	5663 5665 5668 5670 5672	5833 5836 5840 5843 5847	6090 6095 6100 6105 6110	$6436 \\ 6443 \\ 6449 \\ 6456 \\ 6462$	1500 1560 1620 1680 1740
30 31 32 33 34	4.68 5569 5569 5569 5568 5568	$5525 \\ 5524 \\ 5523 \\ 5522 \\ 5521$	5437 5435 5433 5431 5430	5305 5302 5300 5297 5294	5128 5125 5122 5118 5115	5586 5587 5587 5588 5589	5674 5676 5679 5681 5683	5851 5854 5858 5862 5866	6116 6121 6126 6131 6136	6469 $6476$ $6482$ $6489$ $6496$	1800 1860 1920 1980 2040
35 36 37 38 39	5567 5567 5566 5566 5566	5520 5518 5517 5516 5515	5428 $5426$ $5424$ $5422$ $5420$	5292 5289 5286 5284 5281	5112 5108 5105 5101 5098	5590 5591 5592 5593 5593	5685 5688 5690 5693 5695	5869 5873 5877 5881 5885	6142 6147 6152 6158 6163	6503 $6509$ $6516$ $6523$ $6530$	2100 2160 2220 2280 2340
40 41 42 43 44	4.68 5565 5565 5564 5564 5563	5514 5512 5511 5510 5509	5418 5416 5414 5412 5410	5278 5276 5273 5270 5267	5095 5091 5088 5084 5081	5594 5595 5596 5597 5599	5697 5700 5703 5705 5707	5889 5893 5897 5900 5905	6168 6174 6179 6185 6190	$\begin{array}{c} 6537 \\ 6544 \\ 6550 \\ 6557 \\ 6564 \end{array}$	2400 2460 2520 2580 2640
45 46 47 48 49	5562 5562 5561 5561 5560	5507 5506 5505 5503 5502	5408 5406 5404 5402 5400	5265 5262 5259 5256 5254	5077 5074 5070 5067 5063	5600 5601 5602 5603 5604	5710 5713 5715 5718 5720	5909 5913 5917 5921 5925	$\begin{array}{c} 6196 \\ 6201 \\ 6207 \\ 6212 \\ 6218 \end{array}$	6571 6578 6585 6593 6600	2700 2760 2820 2880 2940
50 51 52 53 54	4.68 5560 5559 5558 5558 5557	5501 5499 5498 5497 5495	5398 5396 5394 5392 5389	5251 5248 5245 5242 5239	5060 5056 5052 5049 5045	$\begin{array}{c} 5605 \\ 5607 \\ 5608 \\ 5609 \\ 5611 \end{array}$	5723 5726 5729 5731 5734	5929 5933 5937 5942 5946	$\begin{array}{c} 6223 \\ 6229 \\ 6235 \\ 6241 \\ 6246 \end{array}$	$\begin{array}{c} 6607 \\ 6614 \\ 6621 \\ 6628 \\ 6635 \end{array}$	3000 3060 3120 3180 3240
55 56 57 58 59	5556 5556 5555 5554 5554	5494 5492 5491 5490 5488	5387 5385 5383 5381 5379	5237 5234 5231 5228 5225	5042 5038 5034 5031 5027	5612 5613 5615 5616 5618	5737 5740 5743 5745 5748	5950 5955 5959 5963 5968	$\begin{array}{c} 6252 \\ 6258 \\ 6264 \\ 6269 \\ 6275 \end{array}$	$\begin{array}{c} 6643 \\ 6650 \\ 6657 \\ 6665 \\ 6672 \end{array}$	3300 3360 3420 3480 3540
	0"	3600"	7200"	10800"	14400"	0"	3600"	7200"	10800"	14400"	

	Sines.				Casinas		pro.					
0°	37.4		T):6	N-4	Cosines.	Tyle		ingents.	70.0	Cotange		179°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat	. Log.	Dif.	Log.	Nat.	
0'	00000	$-\infty$	œ	10000	0.000000	.00	00000	$-\infty$	œ	+ ∞	∞	60'
ĭ	029	6.463726	5017.	000	0000	•-•	029	6.463726	5017.	3.536274	3437.7	59
2	058	6.764756	2935.	000	0000		058	6.764756	2935.	3.235244	1718.9	58
3	087	6.940847	2082.	000	0000		087	6.940847	2082.	3.059153	1145.9	57
4	116	7.065786	1615.	000	0000		116	7.065786	1615.	2.934214	859.44	56
5	145	7.162696	1320.	000	0000		145	7.162696	1320.	2.837304	687.55	55
6	175	7.241877	1116.	000	9.999999	.01	175	7.241878	1116.	2.758122	572.96	54
7	204	7.308824	967.	000	9999	•••	204	7.308825	967.	2.691175	491.11	53
8	233	7.366816	853.	000	9999		233	7.366817	853.	2.633183	429.72	52
9	262	7.417968	763.	000	9999		262	7.417970	763.	2.582030	381.97	51
10	00291	7.463726	690.	10000	9.999998	.01	00291	7.463727	690.	2.536273	343.77	50
11	320	7.505118	630.	99999	9998		320	7.505120	630.	2.494880	312.52	49
12	349	7.542906	579.	999	9997		349	7.542909	579.	2.457091	286.48	48
13	378	7.577668	536.	999	9997		378	7.577672	536.	2.422328	264.44	. 47
14	407	7.609853	499.	999	9996		407	7.609857	499.	2.390143	245.55	46
15	436	7.639816	467.	999	9996		436	7.639820	467.	2.360180	229.18	45
16	465	7.667845	439.	999	9995		465	7.667849	439.	2.332151	214.86	44
17	495	7.694173	414.	999	9995		495	7.694179	414.	2.305821	202.22	43
18	524	7.718997	391.	999	9994		524	7.719003	391.	2.280997	190.98	42
19	553	7.742478	371.	998	9993		553	7.742484	371.	2.257516	180.93	41
20	00582	7.764754	353.	99998	9,999993	.01	00582	7.764761	353.	2.235239	171.89	40
21	611	7.785943	337.	998	9992	.01	611	7.785951	337.	2.214049	163.70	39
22	640	7.806146	322.	998	9991		640	7.806155	322.	2.193845	156.26	38
23	669	7.825451	308.	998	9990		669	7.825460	308.	2.174540	149.47	37
24	698	7.843934	295.	998	9989	.02	698	7.843944	295.	2.156056	143.24	36
25	727	7.861662	284.	997	9989		727	7.861674	284.	2.138326	137.51	35
26	756	7.878695	273.	997	9988		756	7.878708	273.	2.121292	132.22	34
27	785	7.895085	263.	997	9987		785	7.895099	263.	2.104901	127.32	33
28	814	7.910879	254.	997	9986		815	7.910894	254.	2.089106	122.77	32
29	844	7.926119	245.	996	9985		844	7.926134	245.	2.073866	118.54	31
30	00873	7.940842	237.	99996	9.999983	.02	00873	7.940858	237.	2.059142	114.59	30
31	902	7.955082	230.	996	9982	.02	902	7.955100	230.	2.044900	110.89	29
32	931	7.968870	223.	996	9981		931	7.968889	223.	2.031111	107.43	28
33	960	7.982233	216.	995	9980		960	7.982253	216.	2.017747	104.17	27
34	989	7.995198	210.	995	9979		989	7.995219	210.	2.004781	101.11	26
35	01018	8.007787	204.	995	9977		01018	8.007809	204.	1.992191	98,218	25
36	047	8.020021	198.	995	9976		047	8.020044	198.	1.979956	95.489	24
37	076	8.031919	193.	994	9975		076	8.031945	193.	1.968055	92.908	23
38	105	8.043501	188.	994	9973		105	8.043527	188.	1.956473	90.463	22
39	134	8.054781	183.	994	9972		135	8.054809	183.	1.945191	88.144	21
40	01164	8.065776	179.	99993	9.999971	.02	01164	8.065806	179.	1.934194	85.940	20
41	193	8.076500	174.	993	9969		193	8.076531	174.	1.923469	83.844	19
42	222	8.086965	170.	993	9968		222	8.086997	170.	1.913003	81.847	18
43	251	8.097183	166.	992	9966		251	8.097217	166.	1.902783	79.943	17
44	280	8.107167	163.	992	9964	.03	280	8.107203	163.	1.892797	78.126	16
45	309	8.116926	159.	991	9963		309	8.116963	159.	1.883037	76.390	15
46	338	8.126471	156.	991	9961		338	8.126510	156.	1.873490	74.729	14
47	367	8.135810	152.	991	9659		367	8.135851	152.	1.864149	73.139	13
48		8.144953	149.	990	9958		396	8.144996	149.	1.855004	71.615	12
49		8.153907	146.	990	9956			8.153952	146.	1.846048	70.153	11
50	01454	8.162681	143.	99989	9.999954	.03	01455	8.162727	143.	1.837273	68.750	10
51	483	8.171280	141.	989	9952		484	8.171328	141.	1.828672	67.402	9
52	513	9713	138.	989	9950		513	9763	138.	0237	66.105	8
53	542	8.187985	135.	988	9948		542	8.188036	135.	1.811964	64.858	7
54	571	8.196102	133.	988	9946		571	8.196156	133.	1.803844	63.657	6
55	600	8.204070	130.	987	9944		600	8.204126	130.	1.795874	62.499	5
56	629	8.211895	128.	987	9942		629	8.211953	128.	1.788047	61.383	4
57	658	9581	126.	986	9940		658	9641	126.	0359	60.306	3
58	687	8.227134	124.	986	9938		687	8.227195	124.	1.772805	59.266	2
59	716	8.234557	122.	985	9936		716	8.234621	122.	1.765379	58.261	1
60	01745	8.241855		99985	9.999934		01746	8.241921		1.758079	57.290	0
-	<u> </u>		T) 1 **	1		70.10	-		Tir		NT. 1	
90°	Nat.		Dif.	Nat.	Log.	Dif.	Nat		Dif.	Log.	Nat.	89°
	ł	Cosines.		1	Sines.		Co	tangents.		Tangents.		

1			Sines.	-		Cosines.		ar.	angents.		Cotang	onte	
ı	1°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat		Dif.	Log.	Nat.	178°
ı					1			1				1,00	
ı	0'	01745	8.241855 9033	120.	99985	9.999934 $9932$	.04	01746	8.241921	129.	1.758079	57.290	60'
ı	$\frac{1}{2}$	774 803	8.256094	118. 116.	984 984	9932		775 804	$9102 \\ 8.256165$	118. 116.	$0898 \\ 1.743835$	56.351 55.442	59 58
ı	3	832	8.263042	114.	983	9927		833	8.263115	114.	1.736885	54.561	57
ı	4	862	9881	112.	983	9925		862	9956	112.	0044	53.709	56
ı	5	891	8.276614	111.	982	9922		891	8.276691	111.	1.723309	52.882	55
ı	6	920	8.283243	109.	982	9920		920	8.283323	109.	1.716677	.081	54
1	7 8	949 978	9773 $8.296207$	107. 106.	981 980	$9918 \\ 9915$		949 978	$9856 \\ 8.296292$	107. 106.	$0144 \\ 1.703708$	51.303	53 52
ı	9	02007	8.302546	104.	980	9913		02007	8.302634	104.	1.697366	50.549 49.816	51
ı	10	02036	8.308794	103.	99979	9.999910	.04	02037	8.308884	103.	1.691116	49.104	50
	11	065	8.314954	101.	979	9907		066	8.315046	101.	1.684954	48.412	49
1	12	094	8.321027	99.8	978	9905		095	8.321122	99.9	1.678878	47.740	48
1	13 14	123 152	7016 $8.332924$	98.5 $97.1$	977 977	9902 9899	.05	124 153	$7114 \\ 8.333025$	98.5 97.2	2886 $1.666975$	.085	47
						9897	.00					46.449	1
ı	15 16	181 211	8753 8.344504	$95.9 \\ 94.6$	976 976	9894		182 211	8856 8.344610	95.9 94.7	1144 $1.655390$	45.829 .226	45 44
ı	17	240	8.350181	93.4	975	9891		240	8.350289	93.4	1.649711	44.639	43
ı	18	269	5783	92,2	974	9888		269	5895	92.2	4105	.066	42
	19	298	8.361315	91.0	974	9885		298	8.361430	91.1	1.638570	43.508	41
ı	20	02327	8.366777	89.9	99973	9.999882	.05	02328	8.366895	90.0	1.633105	42.964	40
ı	$\begin{array}{c} 21 \\ 22 \end{array}$	356	8.372171 $7499$	88.8	972	9879 9876		357	8.372292	88.9	1.627708	.433	$\frac{39}{38}$
	22 23	385 414	8.382762	87.7 86.7	972 971	9873		386 415	7622 $8.382889$	87.8 86.7	$2378 \\ 1.617111$	41.916	37
ı	24	443	7962	85.6	970	9870		444	8092	85.7	1908	40.917	36
ı	25	472	8.393101	84.6	969	9867		473	8.393234	84.7	1.606766	.436	35
ı	26	501	8179	83.7	969	9864		502	8315	83.7	1685	39.965	34
ı	27	530	8.403199	82.7	968	9861		531	8.403338	82.7	1.596662	.506	33
ı	28	560	8161	81.8	967	9858		560	8304	81.8	1696	.057	$\frac{32}{31}$
ı	29	589	8.413068	80.9	966	9854		589	8.413213	80.9	1.586787	38.618	1
ı	<b>30</b> 31	02618 647	8.417919 8.422717	80.0 79.1	99966 965	9.999851 $9848$	.06	02619 648	8.418068 8.422869	80.0 79.1	$\begin{array}{c} 1.581932 \\ 1.577131 \end{array}$	38.188 36.769	30 29
1	32	676	7462	78.2	964	9844		677	7618	78.3	2382	.358	28
ı	33	705	8.432156	77.4	963	9841		706	8.432315	77.5	1.567685	36.956	27
1	34	734	6800	76.6	963	9838		735	6962	76.6	3038	.563	26
ı	35	763	8.441394	75.8	962	9834		764	8.441560	75.8	1.558440	.178	25
ı	36	792	5941	75.0	961	9831		793	6110	75.1	3890	35,801	24
ı	37 38	821 850	8.450440 4893	$74.2 \\ 73.5$	960 959	$9827 \\ 9824$		822 851	8.450613 5070	74.3 73.5	$\frac{1.549387}{4930}$	.431 .070	$\begin{array}{c c} 23 \\ 22 \end{array}$
I	39	879	9301	72.7	959	9820		881	9481	72.8	0519	34.715	21
ı	40	02908	8.463665	72.0	99958	9.999816	.06	02910	8.463849	72.1	1.536151	34.368	20
ł	41	938	7985	71.3	957	9813	•00	939	8172	71.4	1828	.027	19
	42	967	8.472263	70.6	956	9809		968	8.472454	70.7	1.527546	33.694	18
	43 44	996 03025	6498 8.480693	69.9	955	9805		997	6693	70.0	3307	.366	17 16
	45			69.2	954	9801	0.00	03026	8.480892	69.3	1.519108	.045	15
	46 46	03054 083	4848 8963	68.6 67.9	953 952	9797 9794	.07	055 084	$\frac{5050}{9170}$	68.7 68.0	$\frac{4950}{0830}$	32.730 .421	14
ı	47	112	8.493040	67.3	952	9790			8.493250	67.4	1.506750	.118	13
1	48	141	7078	66.7	951	9786		143	. 7293	66.8	2707	31.821	12
	49	170	8.501080	66.1	950	9782	4	172	8.501298	66.2	1.498702	.528	11
j	50	03199	8.505045	65.5	99949	9.999778	.07	03201	8.505267	65.6	1.494733	31.242	10
1	$\begin{array}{c} 51 \\ 52 \end{array}$	228 257	8974 $8.512867$	64.9	948	977 <b>4</b> 9769		230	9200	65.0	$0800 \\ 1.486902$	30.960	$\frac{9}{8}$
ı	53	286	6726	64.3 63.8	947 946	9765		259 288	8.513098 6961	$64.4 \\ 63.8$	3039	.683 .412	7
1	54	316	8.520551	63.2	945	9761		317	8.520790	63.3	1.479210	.145	6
I	55	345	4343	62.6	944	9757		346	4586	62.7	5414	29.882	5
	56	374	8102	62,1	943	9753		376	8349	62.2	1651	.625	4
ı	57	403	8.531828	61.6	942	9748		405	8.532080	61.7	1.467920	.371	$\frac{3}{2}$
ı	$\begin{array}{c} 58 \\ 59 \end{array}$	432 461	5523 9186	61.1 60.5	941 940	9744 9740		434 463	$5779 \\ 9447$	61.1 60.6	$\frac{4221}{0553}$	$\frac{.122}{28.877}$	1
ı	60	03490	8.542819	00.0		9.999735			8.543084	00.0	1.456916		0
1	-00				99939	0.000(00		03492	£606£6.0		1.490910	28,636	
	91°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat	. Log.	Dif.	Log.	Nat.	88°
	UI.		Cosines.			Sines.		Cot	tangents.		Tange	nts.	00

	_	`										-
2°		Sines.		-	Cosines.			ingents.		Cotange		177°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
0'	03490	8.542819	60.0	99939	9.999735	.07	03492	8.543084	60.1	1.456916	28.636	60'
1	519	6422	59.6	938	9731		521	6691	59.6	3309	.399	59
2	548	9995	59.1	937	9726		550	8.550268	59.1	1.449732	.166	58
$\frac{3}{4}$	577 606	8.553539 7054	58.6 58.1	936 935	$9722 \\ 9717$	.08	579 609	$\frac{3817}{7336}$	58.7 58.2	$6183 \\ 2664$	27.937	57 56
1	1						l				.712	
$\frac{5}{6}$	635 664	8.560540 3999	$57.7 \\ 57.2$	93 <del>4</del> 933	9713 9708		638 667	8.560828 $4291$	57.7 57.3	$1.439172 \\ 5709$	.490 .271	55 54
7	693	7431	56.7	932	9704		696	7727	56.8	2273	.057	53
8	723	8.570836	56.3	931	9699		725	8.571137	56.4	1.428863	26.845	52
9	752	4214	55.9	930	9694		754	4520	55.9	5480	.637	51
10	03781	8.577566	55.4	99929	9.999689	.08	03783	8.577877	55.5	1.422123	26.432	50
11	810	8.580892	55.0	927	9685		812	8.581208	55.1	1.418792	.230	49
12	839	$\frac{4193}{7469}$	54.6	926	9680		842	4514	54.7	5486	.031	48
13 14	868 897	8.590721	54.2 53.8	925 924	9675 9670		871 900	7795 $8.591051$	54.3 53.9	2205 $1.408949$	25.835 .642	47 46
15	926	3948	53,4		9665		929	4283	53.5	5717	.452	45
16	926	7152	53.4	923 922	9660		929	$\frac{4265}{7492}$	53.5 53.1	$\frac{5717}{2508}$	.264	44
17	984	8.600332	52.6	921	9655		987	8.600677	52.7	1.399323	.080	43
18	04013	3489	52.2	919	9650		04016	3839	52.3	6161	24.898	42
19	042	6623	51.9	918	9645	.09	946	6978	51.9	3022	.719	41
20	04071	8.609734	51.5	99917	9.999640	.09	04075	8.610094	51.6	1.389906	24.542	40
21	100	8.612823	51.1	916	9635		104	3189	51.2	6811	.368	39
22 23	129 159	5891 8937	$50.8 \\ 50.4$	915 913	$9629 \\ 9624$		133 162	$6262 \\ 9313$	50.9 50.5	3738 0687	.026	38 37
$\frac{23}{24}$	188	8.621962	50.1	913	9619		191	8.622343	50.5	1.377657	23.859	36
25	217	4965	49.7	911	9614		220	5352	49.8	4648	.695	35
26	246	7948	49.4	910	9608		250	8340	49.5	1660	.532	34
27	275	8.630911	49.0	909	9603		279	8.631308	49.1	1.368692	.372	33
28	304	3854	48.7	907	9597		308	4256	48.8	5744	.214	32
29	333	6776	48.4	906	9592		337	7184	48.5	2816	.058	31
30	04362	8.639680	48.1	99905	9.999586	.09	04366	8.640093	48.2	1.359907	22.904	30
31	391	8.642563	47.8	904	9581		395	2982 5853	47.8	7018 4147	.752	29
32 33	420 449	$5428 \\ 8274$	47.4 47.1	902 901	9575 9570		424 454	8704	$47.5 \\ 47.2$	1296	.602 .454	28 27
34	478	8.651102	46.8	900	9564		483	8.651537	46.9	1.348463	.308	26
35	507	3911	46.5	898	9558	.10	512	4352	46.6	5648	.164	25
36	536	6702	46.2	897	9553	.10	541	7149	46.3	2851	.022	24
37	565	9475	45.9	896	9547		570	9928	46.0	0072	21.881	23
38	59 <b>4</b>	8.662230	45.6	894	9541		599	8.662689	45.7	1.337311	.743	22
39	623	4968	45.4	893	9535		628	5433	45.4	4567	.606	21
40	04653	8.667689	45.1	99892	9.999529	.10	04658	8.668160	45.2	1.331840	21.470	20
41 42	682 711	8,670393 3080	44.8 44.5	890 889	$9524 \\ 9518$		687 716	8.670870 3563	44.9 44.6	$1.329130 \\ 6437$	.337	19 18
42	740	5751	44.2	889 888.	$9518 \\ 9512$		745	6239	44.3	3761	.075	17
44	769	8405	44.0	886	9506		774	8900	44.1	1100	20.946	16
45	798	8.681043	43.7	885	9500		803	8.681544	43.8	1.318456	.819	15
46	827	3665	43.4	883	9493		833	4172	43.5	5828	.693	14
47	856	6272	43.2	882	9487		862	6784	43.3	3216	.569	13
48	885	8863 8.691438	42.9	881	$9481 \\ 9475$		891 920	9381 8.691963	43.0 42.8	1.308037	.325	12
49	1		42.7	879			1					11
50	04943 972	$8.693998 \\ 6543$	$\frac{42.4}{42.2}$	99878	9.999469 $9463$	.10 .11	04949 978	8.694529 7081	42.5 $42.3$	$1.305471 \\ 2919$	20.206	<b>10</b>
$\begin{array}{c} 51 \\ 52 \end{array}$	05001	9073		876 875	9456	.11	05007	9617	42.3	0383	19.970	8
53	030	8.701589		873	9450		037	8.702139	41.8	1.297861	.855	7
54	059	4090		872	9443		066	4646	41.6	5354	.740	6
55	088	6577	41.2	870	9437		095	7140	41.3	2860	.627	5
56	117	9049	41.0	869	9431		124	9618	41.1	0382	.516	4
57	146	8.711507	40.7	867	9424		153	8.712083	40.9	$1.287917 \\ 5466$	.405	3
58 59	175 205	3952 6383	$\frac{40.5}{40.3}$	866 864	$9418 \\ 9411$		182 212	$\frac{4534}{6972}$	40.6 40.4	3028	.188	$\frac{2}{1}$
	05234	8800	10.0	99863	9.999404			8.719396	2012	1.280604	19.081	0
60	100204			99863	0.000404		05241	0.110000		1.200001		U
92°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	87°
32		Cosines.			Sines.		Cot	angents.		Tange	nts.	0.
				1								

_	_			1						-		
3°	27.4	Sines.	TNE	77 .	Cosines.	Tare	i	ingents.	D:0	Cotang		176°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
0'	05234	8.718800	40.1	99863	9.999404	.11	05241	8.719396	40.2	1.280604	19.081	60'
1	263	8.721204	39.8	861	9398		270	8.721806	39.9	1.278194	18.976	59
$\frac{2}{3}$	292 321	$\frac{3595}{5972}$	39.6 39.4	860	9391 9384		299 328	$\frac{4204}{6588}$	$39.7 \\ 39.5$	$5796 \\ 3412$	.871 .768	58 57
4	350	8337	39.2	858 857	9378		357	8959	39.3	1041	.666	56
- 5	379	8.730688	39.0	855	9371		387	8.731317	39.1	1.268683	.564	55
6	408	3027	38.8	854	9364	.12	416	3663	38.9	6337	.464	54
7	437	5354	38.6	852	9357		445	5996	38.7	4004	.366	53
8 9	466	7667 9969	38,4	851	9350		474	8317	38.5	1683	.268	52 51
	495		38.2	849	9343		503	8.740626	38.3	1.259374	.171	50
10	05524 553	8.742259 $4536$	$38.0 \\ 37.8$	99847 846	9.999336 $9329$	.12	05533 562	8.742922 $5207$	38.1 37.9	$\frac{1.257078}{4793}$	18.075 17.980	49
12	582	6802	37.6	844	9322		591	7479	37.7	2521	.886	48
13	611	9055	37.4	842	9315		620	9740	37.5	0260	.793	47
14	640	8.751297	37.2	841	9308		649	8.751989	37.3	1.248011	.702	46
15	669	3528	37.0	839	9301		678	4227	37.1	5773	.611	45
16 17	698	5747 7055	36.8	838	9294		708	6453	36.9	3547	.521	44
18	727 756	7955 $8.760151$	36.6 36.4	836 834	$9287 \\ 9279$		737 766	$8668 \\ 8.760872$	36.7 36.6	1332 $1.239128$	.431 .343	42
19	785	2337	36.2	833	9272		795	3065	36.4	6935	.256	41
20	05814	8.764511	36.1	99831	9.999265	.12	05824	8.765246	36,2	1.234754	17.169	40
21	844	6675	35.9	829	9257	*	854	7417	36.0	2583	.084	39
22	873	8828	35.7	827	9250	.13	883	9578	35.8	0422	16.999	38
23	902	8.770970	35.5	826	9242		912	8.771727	35.7	1.228273	.915	37 36
24	931	3101	35.4	824	9235		941	3866	35.5	6134	.832	
25 26	960	5223 7333	35.2	822	$9227 \\ 9220$		970	5995	35.3	4005	.750	35 34
27	989 06018	9434	35.0 34.8	821 819	$9220 \\ 9212$		06000	8114 $8.780222$	35.1 35.0	1886 $1.219778$	.668 .587	33
28	047	8.781524	34.7	817	9205		058	2320	34.8	7680	.507	32
29	076	3605	34.5	815	9197		087	4408	34.6	5592	.428	31
30	06105	8.785675	34.3	99813	9.999189	.13	06116	8.786486	34.5	1.213514	16.350	30
31	134	7736	34.2	812	9181		145	8554	34.3	1446	.272	29
32	163	9787 $8.791828$	34.0	810	9174		175	8.790613	34.2	1.209387	.195	28 27
34	192 221	3859	33.9 33.7	808 806	$9166 \\ 9158$		204 233	$\frac{2662}{4701}$	34.0 33.8	7338 5299	.119 .043	26
35	250	5881	33.5	804	9150		262	6731	33.7	3269	15.969	25
36	279	7894	33.4	803	9142		202	8752	33.5	1248	.895	24
37	308	9897	33.2	801	9134		321	8.800763	33.3	1.199237	.821	23
38	337	8.801892	33.1	799	9126		350	2765	33.2	7235	.748	22
39	366	3876	32.9	797	9118		379	4758	33.1	5242	.676	21
40	06395	8.805852	32.8	99795	9.999110	.13	06408	8.806742	32.9	1.193258	15.605	<b>20</b>
42	424 453	7819 9777	$32.6 \\ 32.5$	793 792	$9102 \\ 9094$	.14	438 467	$8717 \\ 8.810683$	$32.8 \\ 32.6$	1283 $1.189317$	.534	18
43	482	8.811726	32.3	790	9086	*14	496	2641	32.5	7359	.394	17
44	511	3667	32.2	788	9077		525	4589	32.3	5411	.325	16
45	540	5599	32.1	786	9069		554	6529	32.2	3471	.257	15
46	569	7522	31.9	784	9061		584	8461	32.1	1539	.189	14
47 48	598 697	9436 8.821343	31.8	782	9053		613	8.820384		1.179616	.122	13 12
49	627 656	3240	31.6 31.5	780 778	9044 9036		642 671	$\frac{2298}{4205}$	31.8 31.6	$7702 \\ 5795$	.056 14.990	11
50	06685	8.825130	31.4	99776	9.999027	.14	06700	8.826103	31.5	1.173897	14.924	10
51	714	7011	31.4	774	9019	*1.4	730	7992	31.4	2008	.860	9
52	743	8884	31.1	772	9010		759	9874	31.2	0126	.795	8
- 53	773	8.830749	30.9	770	9002		788	8.831748	31.1	1.168252	.732	7
54	802	2607	30.8	768	8993		817	3613	31.0	6387	.669	6
55	831	4456	30.7	766	8984		847	5471	30.8	4529	.606	5 4
56 57	860 889	$6297 \\ 8130$	30.6 30.4	764 762	8976 8967	15	876	$7321 \\ 9163$	30.7 30.6	$2679 \\ 0837$	.544	3
58	918	9956	30.4	760	8958	.15	905 934	8.840998	30.5	1.159002	.482	2
59	947	8.841774	30.2	758	8950		963	2825	30.3	7175	.361	1
60	06976	8.843585		99756	9.998941		06993	8.844644		1.155356	14.301	0
93°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	86°
30		Cosines.	3		Sines.		Cot	angents.		Tange	nts.	90
			_				_					

				_								
4°	37.4	Sines.	TV:4	NT - 4	Cosines.	Tile	-	ingents.	7014	Cotang		175°
-	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	· Dif.	Log.	Nat.	
0'	06976	8.843585	30.1	99756	9.998941	.15	06993	8.844644	30.2	1.155356	14.301	60'
1	07005	5387	29.9	754	8932		07022	6455	30.1	3545	.241	59
2	034	7183	29.8	752	8923		051	8260	30.0	1740	.182	58
3 4	063 092	8971 8.850751	$29.7 \\ 29.6$	750	8914 8905		080	8.850057	29.8	1.149943	.124	57
				748			110	1846	29.7	8154	.065	56
$\frac{5}{6}$	121 150	$2525 \\ 4291$	$29.4 \\ 29.3$	746	8896 8887		139	$\frac{3628}{5403}$	29.6	6372	.008	$\begin{array}{c} 55 \\ 54 \end{array}$
7	179	6049	29.2	744 742	8878		168 197	7171	29.5 $-29.4$	$\frac{4597}{2829}$	13.951 .894	53
8	208	7801	29.1	740	8869		227	8932	29.2	1068	.838	52
9	237	9546	29.0	738	8860		256	8.860686	29.1	1.139314	.782	51
10	07266	8.861283	28.8	99736	9.998851	.15	07285	8.862433	29.0	1.137567	13.727	50
11	295	3014	28.7	734	8841	·	314	4173	28.9	5827	.672	49
12	324	4738	28.6	731	8832		344	5906	28.8	4094	.617	48
13	353	6455	28.5	729	8823	.16	373	7632	28.7	2368	.563	47
14	382	8165	28.4	727	8813		402	9351	28.5	0649	.510	46
15	411	9868	28.3	725	8804		431	8.871064	28.4	1.128936	.457	45
16 17	440	8.871565	28.2	723	8795		461	2770	28.3	7230	.404	44
18	469 498	$\frac{3255}{4938}$	28.1 28.0	721 719	8785 8776		490 519	$\begin{array}{c} 4469 \\ 6162 \end{array}$	28.2 28.1	5531 3838	.352	43 42
19	527	6615	27.8	716	8766		548	7849	28.0	2151	.248	41
20	07556	8.878285	27.7	99714	9.998757	.16	07578	8.879529	27.9	1.120471		40
21	585	9949	27.6	712	8747	.10	607	8.881202	27.8	1.118798	13.197 .146	39
22	614	8.881607	27.5	710	8738		636	2869	27.7	7131	.096	38
23	643	3258	27.4	708	8728		665	4530	27.6	5470	.046	37
24	672	4903	27.3	705	8718		695	6185	27.5	3815	12.996	36
25	701	6542	27.2	703	8708		724	7833	27.4	2167	.947	35
26	730	8174	27.1	701	8699		753	9476	27.3	0524	.898	34
27	759	9801	27.0	699	8689		782	8.891112	27.2	1.108888	.850	33
28 29	788 817	8.891421 3035	26.9 26.8	696	8679 8669	17	812 841	$\begin{array}{c} 2742 \\ 4366 \end{array}$	$27.1 \\ 27.0$	$7258 \\ 5634$	.801	32 31
				694		.17	9				.754	
<b>30</b> 31	07846	8.894643 6246	26.7	99692	9.998659	.17	07870	8.895984	26.9	1.104016	12.706	30
$\frac{31}{32}$	875 904	7842	26.6 26.5	689 687	8649 8639		899 929	7596 9203	$26.8 \\ 26.7$	$\frac{2404}{0797}$	.659 .612	29 28
33	933	9432	26.4	685	8629		958	8.900803	26.6	1.099197	.566	27
34	962	8.901017	26.3	683	8619		987	2398	26.5	7602	.520	26
35	991	2596	26.2	680	8609		08017	3987	26.4	6013	.474	25
36	08020	4169	26.1	678	8599		046	5570	26.3	4430	.429	24
37	049	5736	26.0	676	8589		075	7147	26.2	2853	.384	23
38	078	7297	25.9	673	8578	-8-	104	8719	26.1	1281	.339	22
39	107	8853	25.8	671	8568		134	8.910285	26.0	1.089715	.295	21
40	08136	8.910404	25.8	99668	9.998558	.17	08163	8.911846	25.9	1.088154	12,251	20
41	165	1949	25.7	666	8548		192	3401	25.8	6599	.207	19
42 43	194 223	$\frac{3488}{5022}$	25.6 : 25.5	664 661	8537 8527		221 251	$4951 \\ 6495$	25.7	5049 3505	.163 .120	18 17
44	252	6550	25.4	659	8516	.18	280	8034	25.6	1966	.077	16
45	281	8073	25,3	657	8506		309	9568	25.5	0432	.035	15
46	310	9591	25.2	654	8495		339	8.921096	25.3 $25.4$	1.078904	11.992	14
47	339	8.921103	25.1	652	8485		368	2619	25.3	7381	.950	13
48	368	2610	25.0	649	8474		397	4136	25.2	5864	.909	12
49	397	4112	24.9	647	8464		427	5649	25.1	4351	.867	11
50	08426	8.925609	24.9	99644	9.998453	.18	08456	8.927156	25.0	1.072844	11.826	10
51	455	7100	24.8	642	8442		485	8658		1342	.785	9
52	484	8587	24.7	639	8431		514	8.930155	24.9	1.069845	.745	8
53 54	513 542	8.930068 $1544$	$24.6 \\ 24.5$	637	8421 8410		544 573	$\frac{1647}{3134}$	$24.8 \\ 24.7$	8353 6866	.705	$\frac{7}{6}$
				635							-	5
55 56	571 600	$\frac{3015}{4481}$	24.4	632	8399 8388		602 632	$\frac{4616}{6093}$	$24.6 \\ 24.5$	5384 3907	.625 .585	4
57	629	5942	24.3	630 627	8377		661	7565	24.0	2435	.546	3
58	658	7398	24.2	625	8366		690	9032	24.4	0968	.507	2
59	687	8850	24.1	622	8355		720	8.940494	24.3	1.059506	.468	1
60	08716	8.940296		99619	9.998344		08749	8.941952		1.058048	11.430	0
0.40	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	85°
94°		Cosines.			Sines.		Cot	angents.		Tange	nts.	99
	1		nes. Sines.				I					

_		Sines.	- 1	Ε	Cosines.		T	n manta		Cotomo		
5°	Nat.		Dif.	Nat.		Dif.	Nat.	Log.	Dif.	Cotang Log.	Nat.	174°
	1	1705.		1 1146	nog.	- I	1	Log.	DII.	nog.	Nat.	
0'	08716	8.940296	24.0	99619	9.998344	.19	08749	8.941952	24.2	1.058048	11.430	60'
$\frac{1}{2}$	745	$1738 \\ 3174$	23.9	617	8333 8322		778	$\frac{3404}{4852}$	24.1	6596	.392	59
$\frac{2}{3}$	774 803	4606	23.8	614 612	8311		807 837	$\frac{4892}{6295}$	24.0	$\frac{5148}{3705}$	.354	58 57
4	831	6034	23.7	609	8300		866	7734	23.9	2266	.279	56
5	860	7456	23.6	607	8289		895	9168	23.8	0832	,242	55
6	889	8874	20.0	604	8277		925	8.950597	23.7	1.049403	.205	54
7	918	8.950287	23.5	602	8266		954	2021	2011	7979	.168	53
8	947	1696	23,4	599	8255		983	3441	23.6	6559	.132	52
9	976	3100	23.3	596	8243		09013	4856	23.5	5144	.095	51
10	09005	8.954499	23.3	99594	9.998232	.19	09042	8.956267	23.4	1.043733	11.059	50
11	034	5894	23.2	591	8220		071	7674		2326	.024	49
12 13	063 092	$7284 \\ 8670$	23.1 $23.0$	588 586	8209 8197		101 130	9075 8,960473	23.3	$0925 \\ 1.039527$	10.988	48 47
14	121	.960052	25.0	583	8186		159	1866	23,2 23,1	8134	.953 .918	46
15	1	1429	22.9	580	8174			3255	20,1			45
16	150 179	2801	22.8	578	8163		189 218	4639	23.0	$\begin{array}{c} 6745 \\ 5361 \end{array}$	.883	44
17	208	4170	22.7	575	8151		247	6019	22.9	3981	.814	43
18	237	5534		572	8139	.20	277	7394		2606	.780	42
19	266	6893	22.6	570	8128		306	8766	22.8	1234	.746	41
20	09295	8.968249	22.5	99567	9.998116	.20	09335	8.970133	22.7	1.029867	10.712	40
21	324	9600	22.4	564	8104		365	1496		8504	.678	39
22	353	8.970947		562	8092		394	2855	22.6	7145	.645	38
23	382	2289	22.3	559	8080		423	4209	22.5	5791	.612	37
24	411	3628	22.2	556	8068		453	5560	22.4	4440	.579	36
25	440	4962		553	8056		482	6906		3094	.546	35
26	469	6293	22.1	551	8044		511	8248	22.3	1752	.514	$\frac{34}{33}$
27 28	498 527	7619 8941	22.0	548	8032 8020		541 570	$9586 \\ 8.980921$	22.2	0414 $1.019079$	.481	$\frac{33}{32}$
29	556	8.980259	21.9	545 542	8008		600	2251	22.1	7749	.449	31
30	09585	8.981573	21.8	99540	9.997996	.20	09629	8.983577	22.0	1.016423	10.385	30
31	614	2883	21.0	537	7984	.20	658	4899	22.0	5101	.354	29
32	642	4189	21.7	534	7972		688	6217	21.9	3783	.322	28
33	671	5491	21.6	531	7959		717	7532	21.8	2468	.291	27
34	700	6789		528	7947		746	8842		1158	.260	26
35	729	8083	21.5	526	7935	.21	776	8.990149	21.7	1.009851	.229	25
36	758	9374	21.4	523	7922		805	1451		8549	.199	24
37	. 787	8.990660		520	7910		834	2750	21.6	7250	.168	$\begin{array}{c} 23 \\ 22 \end{array}$
38 39	816 845	1943 <b>32</b> 22	21.3	517	7897 7885		864 893	4045 5337	21.5	$5955 \\ 4663$	.138	$\frac{22}{21}$
				514							.108	20
<b>40</b> 41	09874 903	8.994497 5768	21.2 21.1	99511	9.997872 7860	.21	09923 952	8.996624 7908	$21.4 \\ 21.3$	$\frac{1.003376}{2092}$	10.078	20 19
42	932	7036	21.1	508 506	7847		981	9188	21.3	0812	.048	18
43	961	8299	21.0	503	7835		10011	9.000465	21.2	0.999535	9.9893	17
44	990	9560	20.9	500	7822		040	1738	-	8262	601	16
45	10019	9.000816	1	497	7809		069	3007	21.1	6993	310	15
46	048	2069	20.8	494	7797		099	4272	21.0	5728	021	14
47	077	3318		491	7784		128	5534		4466	9.8734	13
48	106	4563	20.7	488	7771		158	6792	20.9	3208	448	$\frac{12}{11}$
49	135	5805	20.6	485	7758		187	8047		1953	164	
50	10164		20.6	99482	9.997745	.21	10216	9.009298	20.8	0.990702	9.7882	<b>10</b>
51 52	192 221	$8278 \\ 9510$	20.5	479	$7732 \\ 7719$		246 275	9.010546 1790	20.7	$0.989454 \\ 8210$	601 322	8
53	250	9.010737	20.4	476 473	7706		305	3031	20.6	6969	044	7
54	279	1962	20.3	470	7693	.22	334	4268	2010	5732	9.6768	6
55	308	3182		467	7680		363	5502	20.5	4498	493	5
56	337	4400	20.2	464	7667		393	6732	_ 310	3268	220	4
57	366	5613		461	7654		422	7959	20.4	2041	9.5949	3
58	395	6824	20.1	458	7641		452	9183	20.3	0817	679	2
59	424	8031		455	7628		481	9.020403		0.979597	411	1
60	10453	9.019235		99452	9.997614		10510	9.021620		0.978380	9.5144	0
0.50	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	0.40
95°		Cosines.			Sines.			angents.		Tange		84°
		Josines.		I	Dilles.		000	genter		zunge		

	0	TRIGONOMETRIC FUNCTIONS.											
ı	6°	Nat. Log. Dif.			Cosines.			Tangents.			Cotangents.		
ı		Nat.	Log.	Dir.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	173°
ı	0'	10453	9.019235	20.0	99452	9.997614	.22	10510	9.021620	20.2	0.978380	9.5144	60'
ı	$\frac{1}{2}$	482 511	9.020435 $1632$	19.9	449 446	$7601 \\ 7588$		540 569	$2834 \\ 4044$	20.1	$7166 \\ 5956$	9.4878 614	59 58
ı	3	540	$\frac{1032}{2825}$	19.8	443	7574		599	5251	20.1	4749	352	57
ı	4	569	4016	20.0	440	7561		628	6455	20.0	3545	090	56
ı	5	597	5203	19.7	437	7547		657	7655		2345	9.3831	55
ı	6	626	6386		434	7534	.23	687	8852	19.9	1148	572	54
ı	7 8	655	$7567 \\ 8744$	19.6	431	$7520 \\ 7507$		716	9.030046 $1237$	19.8	$0.969954 \\ 8763$	/ 315	$\begin{array}{c} 53 \\ 52 \end{array}$
ı	9	684 713	9918	19.5	428 424	7493		746 775	$\begin{array}{c} 1237 \\ 2425 \end{array}$	19.7	7575	9.2806	51
ı	10	10742	9.031089	19.5	99421	9.997480	.23	10805	9.033609	19.7	0.966391	9.2553	50
ı	11	771	2257	19.4	418	7466		834	4791	19.6	5209	302	49
ı	12	800	3421		415	7452		863	5969		4031	052	48
ı	$\begin{array}{c} 13 \\ 14 \end{array}$	829 858	$\frac{4582}{5741}$	19.3	412 409	$7439 \\ 7425$		893 922	$7144 \\ 8316$	19.5	$2856 \\ 1684$	9.1803 555	47 46
ı	15		6896	10.0		7411			9485	10.4	0515	309	45
ı	16	887 916	8048	19.2	406 402	7397		952 981	9.040651	19.4	0.959349	065	44
ı	17	945	9197	19.1	399	7383		11011	1813	19.3	8187	9.0821	43
ı	18	973	9.040342		396	7369		040	2973		7027	579	42
ı	19	11002	1485	19.0	393	7355		070	4130	19.2	5870	338	41
	20 21	11031 060	9.042625 $3762$	18.9	99390 386	9.997341 $7327$	.23	11099 128	$9.045284 \\ 6434$	19.2 19.1	$0.954716 \\ 3566$	9.0098 8.9860	<b>40</b> 39
1	22	089	4895	18.8	383	7313	.24	158	7582	19.1	$\frac{3500}{2418}$	623	38
ı	23	118	6026		380	7299		187	8727	19.0	1273	387	37
ı	24	147	7154		377	7285		217	9869		0131	152	36
ı	25	176	8279	18.7	374	7271		246	9.051008	18.9	0.948992	8.8919	35
1	$\frac{26}{27}$	205	9400 $9.050519$	10.0	370	$7257 \\ 7242$		276 305	$\frac{2144}{3277}$	18.8	$\begin{array}{c} 7856 \\ 6723 \end{array}$	686 455	34 33
ı	28	234 263	1635	18.6	367 364	7228		335	4407	10.0	5593	225	32
1	29	291	2749	18.5	360	7214		364	5535	18.7	4465	8.7996	31
I	30	11320	9.053859	18.5	99357	9.997199	.24	11394	9.056659	18.7	0.943341	8.7769	30
ı	31	349	4966	18.4	354	7185		423	7781		2219	542	29
ı	32 33	378 407	$6071 \\ 7172$	10.9	351	$7170 \\ 7156$		452 482	8900 9.060016	18.6	$1100 \\ 0.939984$	317 093	28 27
ı	34	436	8271	18.3	347 344	7141		511	1130	18.5	8870	8.6870	26
1	35	465	9367	18.2	341	7127		541	2240		7760	648	25
ı	36	494	9.060460		337	7112		570	3348	18.4	6652	427	24
ı	37	523	1551	18.1	334	7098	25	600	4453	40.0	5547	208	$\begin{array}{c} 23 \\ 22 \end{array}$
ı	38 39	552 580	$\frac{2639}{3724}$	18.0	331 327	7083 7068	.25	629 659	$5556 \\ 6655$	18.3	$\frac{4444}{3345}$	8.5989 772	21
١	40	11609	9.064806	18.0	99324	9.997053	.25	11688	9.067752	18.2		8.5555	20
ı	41	638	5885	17.9	320	7039	.20	718	8846	10.2	1154	340	19
١	42	667	6962		317	7024		747	9938		0062	126	18
	43 44	696	8036 9107	150	314	7009		777	9.071027 $2113$	18.1	$0.928973 \\ 7887$	8.4913	17 16
	45	725		17.8	310	6994		806		10.0	6803	701	15
	46	754 783	9.070176 $1242$	17.7	307 303	6979 6964		836 865	$\frac{3197}{4278}$	18.0	5722	490 280	14
	47	812	2306	2111	300	6949		895	5356	17.9	4644	071	13
1	48	840	3366	17.6	297	6934		924	6432		3568	8.3863	12
1	49	869	4424		293	6919		954	7505	17.8	2495	656	11
	50 51	11898	9.075480	17.5	99290	9.996904	.25	11983	9.078576 $9644$	17.8	$0.921424 \\ 0356$	8.3450 245	10
1	$\frac{51}{52}$	927 956	6533 7583		286 283	$6889 \\ 6874$		12013 042	9.080710	17.6	0.919290	041	8
	53	985	8631	17.4	279	6858		072	1773		8227	8.2838	7
	54	12014	. 9676		276	6843		101	2833	17.6	7167	636	6
	55	043	9.080719	17.3	272	6828		131	3891		6109	434	5 4
	56 57	071 100	$1759 \\ 2797$		269 265	$6812 \\ 6797$	.26	160 190	4947 6000	17.5	5053 $4000$	234 035	3
	58	129	3832	17.2	262	6782		219	7050	11.0	2950	8.1837	2
	59	158	4864		258	6766		249	8098	17.4	1902	640	1
	60	12187	9.085894		99255	9.996751		12278	9.089144		0.910856	8.1443	0
	0.00	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	000
١	96°		Cosines.			Sines.			angents.		Tange		83°
1		L			1								

70	37.4	Sines.	Tite	Cosines.			Tangents.			Cotang	172°	
-	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
0'	12187	9.085894	17.1	99255	9.996751	.26	12278	9.089144	17.4	0.910856	8.1443	60'
$\frac{1}{2}$	216	$6922 \\ 7947$	17.0	251	6735		308	9.090187	4 111 0	0.909813	248	59
3	245 274	8970	17.0	248 244	$6720 \\ 6704$		338 367	$\frac{1228}{2266}$	17.3	8772 7734	054 8,0860	58 57
4	302	9990		240	6688		397	3302	17.2	6698	667	56
5	331	9.091008	16.9	237	6673		426	4336		5664	476	55
6	360	2024		233	6657		456	5367	17.1	4633	285	54
8	389 418	$\frac{3037}{4047}$	16.8	230 226	$6641 \\ 6625$		485	$6395 \\ 7422$		3605	095	53 52
9	447	5056		220	6610		515 544	8446	17.0	$2578 \\ 1554$	7.9906 718	51
10	12476	9.096062	16.7	99219	9.996594	.26	12574	9.099468	17.0	0.900532	7.9530	50
11	504	7065		215	6578	.27	603	9.100487	2110	0.899513	344	49
12	533	8066	40.0	211	6562		633	1504	16.9	8496	158	48
13 14	562 591	$9065 \\ 9.100062$	16,6	208 204	$6546 \\ 6530$		662 692	$2519 \\ 3532$	16.8	7481 6468	7.8973 789	47
15	620	1056	16.5	200	6514		722	4542	10.0	5458	606	45
16	649	2048	10.0	197	6498		751	5550		4450	424	44
17	678	3037		193	6482		781	6556	16.7	3444	243	43
18 19	706	$\frac{4025}{5010}$	16.4	189	6465		810	7559		2441	062	42
20	735		10.0	186	6449 9.996433	0=	840	8560		1440	7.7882	
21	12764 793	$9.105992 \\ 6973$	16.3	99182 178	6417	.27	12869 899	9.109559 9.110556	16.6	0.890441 $0.889444$	7.7704 525	40 39
22	822	7951		175	6400		929	1551	16.5	8449	348	38
23	851	8927	16.2	171	6384		958	2543		7457	171	37
24	880	9901		167	6368		988	3533		6467	7.6996	36
$\begin{array}{c} 25 \\ 26 \end{array}$	908 937	9.110873 $1842$	16.1	163 160	6351 6335		13017	$\frac{4521}{5507}$	16.4	5479 4493	821	35 34
27	966	2809	10.1	156	6318		047 076	6491		3509	647 473	33
28	995	3774	16.0	152	6302	.28	106	7472	16.3	2528	301	32
29	13024	4737		148	6285		136	8452		1548	129	31
30	13053	9.115698	16.0	99144	9.996269	.28	13165	9.119429	16.3	0.880571	7.5958	30
$\frac{31}{32}$	081 110	$6656 \\ 7613$	15.9	141	$6252 \\ 6235$		195 224	9.120404 $1377$	16.2	$0.879596 \\ 8623$	787 618	$\frac{29}{28}$
33	139	8567		133	6219		254	2348	16.1	7652	449	27
34	168	9519	15.8	129	6202		284	3317		6683	281	26
35	197	9.120469		125	6185		313	4284		5716	113	25
36 37	226	$\frac{1417}{2362}$	15.7	122	6168		343	5249	16.0	4751	7.4947	24 23
38	254 283	3306	15.7	118 114	$6151 \\ 6134$		372 402	$6211 \\ 7172$		$\frac{3789}{2828}$	781 615	22
39	312	4248		110	6117		432	8130	15.9	1870	451	21
40	13341	9.125187	15.6	99106	9.996100	.28	13461	9.129087	15.9	0.870913	7.4287	20
41	370	6125		102	6083	.29	491	9.130041		0.869959	124	19
42 43	399 427	$7060 \\ 7993$	15.5	098 094	6066 6049		521 550	$0994 \\ 1944$	15.8	9006 8056	7.3962 800	18 17
44	456	8925	10.0	091	6032		580	2893		7107	639	16
45	485	9854		087	6015		609	3839	15.7	6161	479	15
46	514	9.130781	15.4	083	5998		639	4784		5216	319	14
47	543 579	$\frac{1706}{2630}$		079	5980 5963		669	5726 6667	15.0	4274	160	13 12
49	572 600	$\frac{2050}{3551}$	15.3	075 071	5963 5946		698 728	7605	15.6	2395 2395	$002 \\ 7.2844$	11
50	13629	9.134470	15.3	99067	9.995928	.29	13758	9.138542	15.6	0.861458	7,2687	10
51	658	5387		063	5911	.=-	787	9476	15.5	0524	531	9
52	687	6303	15.2	059	5894		817	9.140409		0.859591	375	8 7
53 54	716 744	$7216 \\ 8128$		055 051	5876 5859		846 876	$\frac{1340}{2269}$		$\frac{8660}{7731}$	220 066	6
55	773	9037	15.1	047	5841		906	3196	15.4	6804	7.1912	5
56	802	9944	10.1	043	5823		935	4121	10.7	5879	759	4
57	831	9.140850		039	5806		965	5044		4956	607	3
58 59	860 889	$\begin{array}{c} 1754 \\ 2655 \end{array}$	15.0	035 031	5788 5771		995 14024	5966 6885	15.3	$\frac{4034}{3115}$	$\frac{455}{304}$	$\frac{2}{1}$
60	13917	9.143555			9.995753			9.147803		0.852197		0
		9.140000		99027	9.999195		14054	∂.1478U∂		0.002187	7.1154	
97°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	82°
		Cosines.			Sines.		Cot	angents.		Tange	nts.	

	Sines. Cosines. Tangents. Cotangents.						onts					
8°	Nat.		Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	171°
	1	205.		1 2100			1	1105.		1105.	1140.	
0'	13917	9.143555	15.0	99027	9.995753	.30	14054	9.147803	15.3	0.852197	7.1154	60'
1	946	4453	14.9	023	5735		084	8718	15.2	1282	004	59
$\frac{2}{3}$	975	$5349 \\ 6243$		019	5717		113	9632 $9.150544$		0368	7.0855	58 57
4	14004 033	$\frac{0243}{7136}$	14.8	015 011	$\frac{5699}{5681}$		143 173	1454	15.1	$0.849456 \\ 8546$	706 558	56
5			11.0	1					10.1			
6	061 090	8026 8915		006 002	5664 5646		202 232	2363 3269		$7637 \\ 6731$	411	55 54
7	119	9802	14.7	98998	5628		262	4174		5826	$\frac{264}{117}$	53
8	148	9.150686	17.1	994	5610		291	5077	15.0	4923	6.9972	52
9	177	1569		990	5591		321	5978	20.0	4022	827	51
10	14205	9.152451	14.7	98986	9.995573	.30	14351	9.156877	15.0	0.843123	6.9682	50
11	234	3330	14.6	982	5555		381	7775	14.9	2225	538	49
12	263	4208		978	5537		410	8671		1329	395	48
13	292	5083		973	5519		440	9565		0435	252	47
14	320	5957	14.5	969	5501	.31	470	9.160457	14.8	0.839543	110	46
15	349	6830		965	5482		499	1347		8653	6.8969	45
16	378	7700		961	5464		529	2236		7764	828	44
17	407	8569		957	5446		559	3123		6877	687	43
$\begin{array}{c} 18 \\ 19 \end{array}$	436	9435	14.4	953	5427		588	4008	14.7	5992	548	42 41.
	464	9.160301		948	5409		618	4892		5108	408	
20	14493	9.161164	14.4	98944	9.995390	.31	14648	9.165774	14.7	0.834226	6.8269	40
$\begin{array}{c} 21 \\ 22 \end{array}$	522	2025	14.3	940	5372		678	6654	14.6	3346	131	39 38
$\frac{22}{23}$	551 580	$2885 \\ 3743$		936 931	5353 5334		707 737	$7532 \\ 8409$		$\frac{2468}{1591}$	6.7994 856	37
24	608	4600	14.2	927	5316		767	9284		0716	720	36
25			11.2						14 5	0.829843		35
26	637 666	5454 6307		923 919	$5297 \\ 5278$		796 826	$9.170157 \\ 1029$	14.5	8971	584 448	34
27	695	7159		919	5260		856	1899		8101	313	33
28	723	8008	14.1	910	5241	.32	886	2767	14.4	7233	179	32
29	752	8856		906	5222	.02	915	3634		6366	045	31
30	14781	9.169702	14.1	98902	9.995203		14945	9.174499	14.4	0.825501	6,6912	30
31	810	9.170547	14.0	897	5184		975 .		11.1	4638	779	29
32	838	1389		893	5165		15005	6224	14.3	3776	646	28
33	867	2230		889	5146		034	7084		2916	514	27
34	896	3070		884	5127		064	7942		2058	383	26
35	925	3908	13.9	880	5108		094	8799		1201	252	25
36	954	4744		876	5089		124	9655	14.2	0345	122	24
37	982	5578		871	5070		153	9.180508		0.819492	6.5992	23
38	011	6411		867	5051		183	1360		8640	863	22
39	040	7242	13.8	863	5032		213	2211	14.1	7789	734	21
40	15069	9.178072	13.8	98858	9.995013	.32	15243	9.183059	14.1	0.816941	6.5606	20
41	097	8900		854	4993		272	3907		6093	478	19 18
$\begin{array}{c c} 42 \\ 43 \end{array}$	126	9726	13.7	849	4974 4955		302 332	$4752 \\ 5597$	14.0	$\frac{5248}{4403}$	350 223	17
44	155 184	9.180551 $1374$		845 841	4935		362	6439	14.0	3561	097	16
45						-00	ł	7280		2720		15
46	212 241	$\frac{2196}{3016}$	13.6	836 832	4916 4896	.33	391 421	8120		1880	6.4971 846	14
47	270	3834	19.0	827	4877		451	8958	13.9	1042	721	13
48	299	4651		823	4857		481	9794	_5,5	0206	596	12
49	327	5466		818	4838		511	9.190629		0.809371	472	11
50	15356	9.186280	13.5	98814	9.994818	.33	15540	9.191462	13.9	0.808538	6.4348	10
51	385	7092	20.0	809	4798	.00	570	2294	13.8	7706	225	9
52	414	7903		805	4779		600	3124		6876	103	8
53	442	8712		800	4759		630	3953		6047	6.3981	7
54	471	9519	13.4	796	4739		660	4780	-	5220	859	6
55	500	9.190325		791	4720		689	5606	13.7		737	5
56	529	1130		787	4700		719	6430		3570	618	4 3
57	557	1933	46.5	782	4680		749	7253		2747	496	2
58 59	586	2734 3534	13.3	778	4660 4640		779	8074 8894	13.6	$\frac{1926}{1106}$	376 257	1
	615	3534		773	4640		809		19.0			0
60	15643	9.194332		98769	9.994620		15838	9.199713		0.800287	6.3138	<b>U</b> ,
000	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	010
98°		Cosines.			Sines.			angents.		Tange		81°
	1	COSINCS.			~444000		1 300					

_	Sines. Cosines. Tangents. Cotangents.											
9°	Nat.		Dif.	Nat.		Dif.	Nat.	Log.	Dif.	Log.	Nat.	170°
	I Ivat.	Log.	<i>D</i> 11.	I Ivac.	1.0g.	1711.	l Mat.	nog.		1.0g.	Nat.	-
0'	15643	9.194332 $5129$	13.3	98769	9.994620 $4600$	.33	15838	9.199713	13.6	0.800287 $0.799471$	6.3138	<b>60'</b> 59
$\frac{1}{2}$	672 701	5925	13.2	764 760	4580		868 898	9.200529 $1345$		8655	019 6,2901	58
3	730	6719	10.2	755	4560	.34	928	2159	13.5	7841	783	57
4	758	7511		751	4540		958	2971		7029	€66	56
5	787	8302		746	4519		988	3782		6218	549	55
6	816	9091	13.1	741	4499		16017	4592		5408	432	54
7 8	845	9879 $9,200666$		737	$\frac{4479}{4459}$		047	$\frac{5400}{6207}$	13.4	4600 3793	316 200	53 52
9	873 902	1451		732 728	4438		077 107	7013		2987	085	51
10	15931	9.202234	13.0	98723	9.994418	.34	16137	9.207817	13.4	0.792183	6.1970	50
11	959	3017	10.0	718	4398	,01	167	8619	10.1	1381	856	49
12	988	3797		714	4377		196	9420	13.3	0580	742	48
13	16017	4577		709	4357		226	9.210220		0.789780	628	47
14	046	5354	12.9	704	4336		256	1018		8982	515	46
15 16	074 103	6131 6906		700	$4316 \\ 4295$		286	$\frac{1815}{2611}$	10.0	8185 7389	402 290	45 44
17	132	7679		695 690	$\frac{4295}{4274}$	.35	316 346	$\frac{2011}{3405}$	13.2	6595	178	43
18	160	8452		686	4254	.00	376	4198		5802	066	42
19	189	9222	12.8	681	4233		406	4989		5011	6.0955	41
20	16218	9.209992	12.8	98676	9.994212	.35	16435	9.215780	13.1	0.784220	6.0844	40
21	246	9.210760		671	4191		465	6568		3432	734	39
$\frac{22}{23}$	275	1526	10.5	667	4171		495	$7356 \\ 8142$		$\frac{2644}{1858}$	624	38 37
24	304 333	$\frac{2291}{3055}$	12.7	662 657	$\frac{4150}{4129}$		525 555	8926		1074	514 405	36
25	361	3818		652	4108		585	9710	13.0	0290	296	35
26	390	4579		648	4087		615	9.220492	13.0	0.779508	188	34
27	419	5338	12.6	643	4066		645	1272		8728	080	33
28	447	6097		638	4045		674	2052		7948	5.9972	32
29	476	6854		633	4024		704	2830	12.9	7170	865	31
30	16505	9.217609	12.6	98629	9.994003	.35	16734	9.223607	12.9	0.776393	5.9758	30
$\begin{array}{c} 31 \\ 32 \end{array}$	533 562	8363 9116	12.5	624	3982 3960		764	$\frac{4382}{5156}$		$\frac{5618}{4844}$	651 545	29 28
33	591	9868		619 614	3939		794 824	5929		4071	439	27
34	620	9.220618		609	3918		854	6700	12.8	3300	333	26
35	648	1367		604	3897	.36	884	7471		2529	228	25
36	677	2115	12.4	600	3875		914	8239		1761	124	24
37	706	2861		595	3854		944	9007		0993	019	23 22
38 39	734 763	$\frac{3606}{4349}$		590 585	$\frac{3832}{3811}$		974 17004	9773 $9.230539$	10.7	$0227 \\ 0.769461$	5.8915 811	21
40	16792	9.225092	12.3	ı	9.993789	0.0		9.231302	12.1	0.768698	5.8708	20
41	820	5833	12.3	98580 575	3768	.36	17033 063	2065		7935	605	19
42	849	6573		570	3746		093	2826		7174	502	18
43	878	7311		565	3725		123	3586	12.6	6414	400	17
44	906	8048		561	3703		153	4345		5655	298	16
45	935	8784	12.2	556	3681		183	5103		4897	197	15
46 47	964	9518 $9.230252$		551	3660		213	5859		4141	095	14 13
48	992 17021	0984		546 541	$\frac{3638}{3616}$		243 273	$\begin{array}{c} 6614 \\ 7368 \end{array}$	12.5	$\frac{3386}{2632}$	5.7994 894	12
49	050	1715		536	3594	.37	303	8120	12.0	1880	794	11
50	17078	9.232444	12.1	98531	9.993572	.37	17333	9.238872	12.5	0.761128	5.7694	10
51	107	3172		526	3550		363	9622		0378	594	9
52	136	3899		521	3528		393	9.240371		0.759629	495	8 7
53 54	164 193	$\frac{4625}{5349}$		516 511	$\frac{3506}{3484}$		423 453	$\frac{1118}{1865}$	12.4	$8882 \\ 8135$	396 297	6
55		6073	10.0				ı	2610		7390		5
56	222 250	6795	12.0	506 501	$\frac{3462}{3440}$		483 513	$\frac{2610}{3354}$		6646	199 101	4
57	279	7515		496	3418		543	4097		5903	004	3
58	308	8235		491	3396		573	4839	12.3	5161	5.6906	2
59	336	8953		486	3374		603	5579		4421	809	, 1
60	17365	9.239670		98481	9.993351		17633	9.246319		0.753681	5.6713	0
000	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	000
99°		Cosines.			Sines.		Cot	angents.		Tange	nts.	80°
				·								1

30		-		ONOMETRIC			FUNCTION			is.		
10°		Sines.			Cosines.			ingents.		Cotangents.		169°
10	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	100
0 1 2 3 4	7 17365 393 422 451 479	$\begin{array}{c} 9.239670 \\ 9.240386 \\ 1101 \\ 1814 \\ 2526 \end{array}$	11.9	98481 476 471 466 461	9.993351 3329 3307 3284 3262	.37	17633 663 693 723 753	9.246319 7057 7794 8530 9264	12.3 12.2	$\begin{array}{c} 0.753681 \\ 2943 \\ 2206 \\ 1470 \\ 0736 \end{array}$	5.6713 617 521 425 329	<b>60'</b> 59 58 57 56
5 6 7 8 9	508 537 565 594 623	3237 3947 4656 5363 6069	11.7	455 450 445 440 435	3240 3217 3195 3172 3149	.38	783 813 843 873 903	$\begin{array}{c} 9998 \\ 9.250730 \\ 1461 \\ 2191 \\ 2920 \end{array}$	12.1	$\begin{array}{c} 0002 \\ 0.749270 \\ 8539 \\ 7809 \\ 7080 \end{array}$	234 140 045 5.5951 857	55 54 53 52 51
10 11 12 13 14	17651 680 708 737 766	9,246775 7478 8181 8883 9583	11.7	98430 425 420 414 409	9.993127 3104 3081 3059 3036	.38	17933 963 993 18023 053	9.253648 4374 5100 5824 6547	12.1 12.0	$\begin{array}{c} 0.746352 \\ 5626 \\ 4900 \\ 4176 \\ 3453 \end{array}$	5.5764 671 578 485 393	50 49 48 47 46
15 16 • 17 18 19	794 823 852 880 909	9.250282 0980 1677 2373 3067	. ,	404 399 394 389 383	3013 2990 2967 2944 2921		083 113 143 173 203	$7269 \\ 7990 \\ 8710 \\ 9429 \\ 9.260146$	11.9	$\begin{array}{c} 2731 \\ 2010 \\ 1290 \\ 0571 \\ 0.739854 \end{array}$	301 209 118 026 5.4936	45 44 43 42 41
20 21 22 23 24	17937 966 995 18023 052	9.253761 4453 5144 5834 6523	11.5	98378 373 368 362 357	9.992898 2875 2852 2829 2806	.38	18233 263 293 323 353	$\begin{array}{c} 9.260863 \\ 1578 \\ 2292 \\ 3005 \\ 3717 \end{array}$	11.9	$\begin{array}{c} 0.739137 \\ 8422 \\ 7708 \\ 6995 \\ 6283 \end{array}$	5.4845 755 665 575 486	40 39 38 37 36
25 26 27 28 29	081 109 138 166 195	7211 7898 8583 9268 9951	11.4	352 347 341 336 331	2783 2759 2736 2713 2690		384 414 444 474 504	4428 5138 5847 6555 7261	•	5572 4862 4153 3445 2739	397 308 219 131 043	35 34 33 32 31
30 31 32 33 34	18224 252 281 309 338	9.260633 1314 1994 2673 3351	11.3	98325 320 315 310 304	$\begin{array}{r} 9.992666 \\ 2643 \\ 2619 \\ 2596 \\ 2572 \end{array}$	,39	18534 564 594 624 654	9.267967 8671 9375 9.270077 0779	11.7	$\begin{array}{c} 0.732033 \\ 1329 \\ 0625 \\ 0.729923 \\ 9221 \end{array}$	5,3955 868 781 694 607	30 29 28 27 26
35 36 37 38 39	367 395 424 452 481	4027 4703 5377 6051 6723	11.2	299 294 288 283 277	$\begin{array}{c} 2549 \\ 2525 \\ 2501 \\ 2478 \\ 2454 \end{array}$	.40	684 714 745 775 805	1479 2178 2876 3573 4269	11.6	8521 7822 7124 6427 5731	521 435 349 263 178	25 24 23 22 21
40 41 42 43 44	18509 538 567 595 624	9.267395 8065 8734 9402 9.270069	11.2	98272 267 261 256 250	9.992430 2406 2382 2359 2335	.40	18835 865 895 925 955	9.274964 5658 6351 7043 7734	11.6 11.5	4342 3649 2957 2266	5,3093 008 5,2924 839 755	20 19 18 17 16
45 46 47 48 49	652 681 710 738 767	0735 1400 2064 2726 3388		245 240 234 229 223	2311 2287 2263 2239 2214		986 19016 046 076 106	8424 9113 9801 9.280488 1174	11.4	1576 0887 0199 0.719512 8826	588 505 422 339	15 14 13 12 11
50 51 52 53 54 55	824 852 881 910	9.274049 4708 5367 6025 6681		98218 212 207 201 196	9.992190 2166 2142 2118 2093	.40	19136 166 197 227 257	9.281858 2542 3225 3907 4588	11.4	0.718142 7458 6775 6093 5412	5.2257 174 092 011 5.1929	10 9 8 7 6 5
56 57 58 59 <b>60</b>	938 967 995 19024 052 19081	7337 7991 8645 9297 9948 9,280599	10.8	190 185 179 174 168 98163	2069 2044 2020 1996 1971 9.991947		287 317 347 378 408 19438	5268 5947 6624 7301 7977 9.288652		4732 4053 3376 2699 2023 0.711348	848 767 686 606 526 5.1446	3 2 1
100	1 27 4		Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log. Tange	Nat.	79°

110		Sines.			Cosines.		Ta	ingents.		Cotang	ents.	1000
11°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	168°
0' 1 2	19081 109	9.280599 1248 1897	10.8	98163 157 152	9.991947 1922 1897	.41	19438 468 498	9,288652 9326 9999	11.2	$0.711348 \\ 0674 \\ 0001$	5,1446 366 286	60' 59 58
3 4	138 167 195	$\frac{2544}{3190}$		146 140	1873 1848		529 559	$\begin{array}{c} 9.290671 \\ 1342 \end{array}$		$0.709329 \\ 8658$	207 128	57 56
5 6 7 8 9	224 252 281 309 338	3836 4480 5124 5766 6408	10.7	135 129 124 118 112	1823 1799 1774 1749 1724	.42	589 619 649 680 710	2013 $2682$ $3350$ $4017$ $4684$	11.1	7987 7318 6650 5983 5316	049 5.0970 892 814 736	55 54 53 52 51
10 11 12 13 14	19366 395 423 452 481	$\begin{array}{c} 9.287048 \\ 7688 \\ 8326 \\ 8964 \\ 9600 \end{array}$	10.7 10.6	98107 101 096 090 084	9.991699 1674 1649 1624 1599	.42	19740 770 801 831 861	9.295349 6013 6677 7339 8001	11.1	$\begin{array}{c} 0.704651 \\ 3987 \\ 3323 \\ 2661 \\ 1999 \end{array}$	5.0658 581 504 427 350	50 49 48 47 46
15 16 17 18 19	509 538 566 595 623	$\begin{array}{c} 9.290236 \\ 0870 \\ 1504 \\ 2137 \\ 2768 \end{array}$	10.5	079 073 067 061 056	1574 1549 1524 1498 1473		891 921 952 982 20012	$\begin{array}{c} 8662 \\ 9322 \\ 9980 \\ 9.300638 \\ 1295 \end{array}$	10.9	$\begin{array}{c} 1338 \\ 0678 \\ 0020 \\ 0.699362 \\ 8705 \end{array}$	273 197 121 045 4.9970	45 44 43 - 42 41
20 21 22 23 24	19652 680 709 737 766	$\begin{array}{r} 9.293399 \\ 4029 \\ 4658 \\ 5286 \\ 5913 \end{array}$	10.5	98050 044 039 033 027	9.991448 1422 1397 1372 1346	.43	20042 073 103 133 164	$\begin{array}{c} 9.301951 \\ 2607 \\ 3261 \\ 3914 \\ 4567 \end{array}$	10.9	0.698049 7393 6739 6086 5433	4.9894 819 744 669 594	40 39 38 37 36
25 26 27 28 29	794 823 851 880 908	$\begin{array}{c} 6539 \\ 7164 \\ 7788 \\ 8412 \\ 9034 \end{array}$		021 016 010 004 97998	1321 1295 1270 1244 1218		194 224 254 285 315	5218 5869 6519 7168 7816	10.8	4782 4131 3481 2832 2184	520 446 372 298 225	35 34 33 32 31
30 31 32 33 34	19937 965 994 20022 051	$\begin{array}{c} 9.299655 \\ 9.300276 \\ 0895 \\ 1514 \\ 2132 \end{array}$	10.3	97992 987 981 975 969	9.991193 1167 1141 1115 1090	.43	20345 376 406 436 466	9.308463 9109 9754 9.310399 1042	10.8	$\begin{array}{c} 0.691537 \\ 0891 \\ 0246 \\ 0.689601 \\ 8958 \end{array}$	4.9152 078 006 4.8933 860	30 29 28 27 26
35 36 37 38 39	079 108 136 165 193	2748 3364 3979 4593 5207	10.2	963 958 952 946 940	1064 1038 1012 0986 0960		497 527 557 588 618	$\begin{array}{c} 1685 \\ 2327 \\ 2968 \\ 3608 \\ 4247 \end{array}$	10.6	8315 7673 7032 6392 5753	788 716 644 573 501	25 24 23 22 21
40 41 42 43 44	20222 250 279 307 336	$\begin{array}{c} 9.305819 \\ 6430 \\ 7041 \\ 7650 \\ 8259 \end{array}$	10.2	97934 928 922 916 910	9,990934 0908 0882 0855 0829	.44	20648 679 709 739 770	$\begin{array}{c} 9.314885 \\ 5523 \\ 6159 \\ 6795 \\ 7430 \end{array}$	10.6	$\begin{array}{c} 0.685115 \\ & 4477 \\ \hline 3841 \\ & 3205 \\ \hline 2570 \\ \end{array}$	4.8430 359 288 218 147	20 19 18 17 16
45 46 47 48 49	364 393 421 450 478	8867 $9474$ $9.310080$ $0685$ $1289$		905 899 893 887 881	0803 0777 0750 0724 0697		800 830 861 891 921	8064 8697 9330 9961 9.320592	10.5	$1936 \\ 1303 \\ 0670 \\ 0039 \\ 0.679408$	077 007 4.7937 867 798	15 14 13 12 11
50 51 52 53 54	20507 535 563 592 620	$\begin{array}{r} 9.311893 \\ 2495 \\ 3097 \\ 3698 \\ 4297 \end{array}$	9.98	97875 869 863 857 851	$\begin{array}{c} 9.990671 \\ 0645 \\ 0618 \\ 0591 \\ 0565 \end{array}$	.44	20952 982 21013 043 073	9.321222 1851 2479 3106 3733	10.5	$\begin{array}{c} 0.678778 \\ 8149 \\ 7521 \\ 6894 \\ 6267 \end{array}$	4.7729 659 591 522 453	10 9 8 7 6
55 56 57 58 59	649 677 706 734 763	4897 5495 6092 6689 7284	9.97 9.96 9.94 9.93 9.91	845 839 833 827 821	$0538 \\ 0511 \\ 0485 \\ 0458 \\ 0431$	.45	104 134 164 195 225	4358 4983 5607 6231 6853		5642 5017 4393 3769 3147	385 317 249 181 114	5 4 3 2 1
60 101°	20791 Nat.	9.317879 Log. Cosines.	Dif.	97815 Nat.	9.990404 Log. Sines.	Dif.	21256	9.327475 Log.	Dif.	0.672525 Log. Tange	1.7046 Nat. nts.	78°

1			0.4		_								
1	12°	27	Sines.	Tite	27-4	Cosines.	Die		ingents.	D:4	Cotange	-	167°
١		Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
	0'	20791	9.317879	9.90	97815	9.990404	.45	21256	9.327475	10.3	0.672525	4.7046	60'
	1	820	8473	9.88	809	0378		286	8095		1905	4.6979	59
1	2	848	9066	9.87	803	0351		316	8715		1285	912	58
1	3	877	9658	9.86	797	0324		347	9334		0666	845	57
1	4	905	9.320249	9.84	791	0297		377	9953		0047	779	56
1	5	933	0840	9.83	784	0270		408	9.330570		0.669430	712	55
1	6	962	1430	9.82	778	0243		438	1187	40.0	8813	646	54 -
	7 , 8	990 21019	$\frac{2019}{2607}$	9.80 9.79	772 766	$0215 \\ 0188$		469 499	$\frac{1803}{2418}$	10.2	$8197 \\ 7582$	580 514	$\begin{array}{c} 53 \\ 52 \end{array}$
	9	047	3194	9.77	760	0161		529	3033		6967	448	51
	10	l .	9.323780	9.76	97754	9.990134	.45	21560	9.333646	10.2	0.666354	4.6382	50
1	11	21076 104	4366	9.75	748	0107	.46	590	4259	10.2	5741	317	49
1	12	132	4950	9.73	742	0079	*10	621	4871		5129	252	48
-	13	161	5534	9.72	735	0052		651	5482		4518	187	47
1	14	189	6117	9.70	729	0025		682	6093		3907	122	46
1	15	218	6700	9.69	723	9.989997		712	6702	10.1	3298	057	45
	16	246	7281	9.68	717	9970		743	7311		2689	4.5993	44
	17	275	7862	9.66	711	9942		773	7919		2081	928	43
	18 19	303	8442	9.65	705	9915		804	8527		1473	864	42 41
1		331	9021	9.64	698	9887		834	9133		0867	800	
	20 21	21360	9.329599	9.62	97692	9.989860	.46	21864	9.339739	10.1		4.5736	<b>40</b> 39
	21 22	388 417	$9.330176 \\ 0753$	9.61 9.60	686 680	$9832 \\ 9804$		895 925	9.340344 $0948$		$0.659656 \\ 9052$	673 609	38
١	23	445	1329	9.58	673	9777		956	1552	10.0	8448	546	37
1	24	474	1903	9.57	667	9749	.47	986	2155	20.0	7845	483	36
ı	25	502	2478	9.56	661	9721		22017	2757		7243	420	35
1	26	530	3051	9.54	655	9693		047	3358		6642	357	34
1	27	559	3624	9.53	648	9665		078	3958	9.99	6042	294	33
ı	28	587	4195	9.52	642	9637		108	4558	9.98	5442	232	32
1	29	616	4767	9,50	636	9610		139	5157	9.97	4843	169	31 -
1	30	21644	9.335337	9.49	97630	9.989582	.47	22169	9.345755	9.96	0.654245	4.5107	30
ı	31	672	5906	9.48	623	9553		200	6353	9.94	3647	045	29
1	32 33	701	6475	9.46	617	9525		231	6949	9.93	3051	4.4983	28 27
1	34	729 758	$7043 \\ 7610$	$9.45 \\ 9.44$	611 604	$9497 \\ 9469$		261 292	$7545 \\ 8141$	9.92 9.91	$-2455 \\ 1859$	922 860	26
١	35				ł			1					25
1	36	786 814	$8176 \\ 8742$	9.43 $9.41$	598 592	9441 9413		322 353	$8735 \\ 9329$	9.90 9.88	$\frac{1265}{0671}$	799 737	24
1	37	843	9307	9.40	585	9385		383	9922	9.87	0078	676	23
1	38	871	9871	9.39	579	9356		414	9.350514	9.86	0.649486	615	22
1	39	899	9.340434	9.37	573	9328		444	1106	9.85	8894	555	21
1	40	21928	9.340996	9.36	97566	9.989300	.47	22475	9.351697	9.83	0.648303	4.4494	20
1	41	956	1558	9.35	560	9271		505	2287	9.82	7713	434	19
	42	985	2119	9.34	553	9243		536	2876	9.81	7124	373	18
1	43	22013	2679	9.32	547	9214		567	3465	9.80	6535	313	17 16
	44	041	3239	9.31	541	9186		597	4053	9.79	5947	253	
1	45	070	3797	9.30	534	9157	<b>.4</b> 8	628	4640	9.77	5360	194	15 14
ı	46 47	098	4355	9,29	528	9128		658	$5227 \\ 5813$	9.76 $9.75$	4773 4187	134 075	13
	48	126 155	4912 5469	$9.27 \\ 9.26$	521 515	9100 9071		689 719	6398	9.75	3602	015	12
	49	183	6024	9.25	508	9042		750	6982	9.73	3018	4.3956	11
	50	22212	9.346579	9.24	97502	9.989014	.48	22781	9.357566	9.71	0.642434	4.3897	10
ı	51	240	7134	9.22	496	8985		811	8149	9.70	1851	838	9
1	52	268	7687	9.21	489	8956		842	8731	9,69	1269	779	8
	53	297	8240	9.20	483	8927		872	9313	9.68	0687	721	7
	54	325	8792	9.19	476	8898		903		- 9.67	0107	662	6
١	55	353	9343	9.17	470	8869		934	9.360474	9.66	0.639526	604	5
	56	382	9893	9.16	463	8840		964	1053	9.65	8947	546	3
	57 58	410	9.350443	9.15	457	8811		995	$1632 \\ 2210$	9.63	8368 7790	488 430	2
	58 59	438 467	$0992 \\ 1540$	9.14 $9.13$	450 444	8782 8753		23026 056	2787	9.62 9.61	7213	372	1
	60			3.13						5.01	0.636636		0
1	-00	22495	9.352088		97437	9.988724		23087	9.363364		0.000000	4.3315	
	102°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	770
	102		Cosines.			Sines.		Cot	angents.		Tange	nts.	• •
		Cosines.											

			_	1							-	
13°	- T	Sines.	Die	77	Cosines.	Tire		ingents.	7014	Cotang	-	166°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
0'	22495	9.352088	9.11	97437	9.988724	.49	23087	9.363364	9,60	0.636636	4.3315	60'
1	523	2635	9.10	430	8695		117	3940	9.59	6060	257	59
2	552	3181	9.09	424	8666		148	4515	9.58	5485	200	58
3 4	580 608	$\frac{3726}{4271}$	9.08 9.07	417	8636 8607		179 209	$5090 \\ 5664$	9.57 $9.55$	$\frac{4910}{4336}$	143 086	57 56
				l								
5 6	637 665	$\frac{4815}{5358}$	$9.05 \\ 9.04$	404 398	$8578 \\ 8548$		$\frac{240}{271}$	$6237 \\ 6810$	9.54 $9.53$	$\frac{3763}{3190}$	029 $4.2972$	$\frac{55}{54}$
7	693	5901	9.03	391	8519		301	7382	9.52	$\frac{3130}{2618}$	916	53
8	722	6443	9.02	384	8489		332	7953	9.51	2047	860	52
9	750	6984	9.01	378	8460		363	8524	9.50	1476	803	51
10	22778	9.357524	8.99	97371	9.988430	.49	23393	9.369094	9.49	0.630906	4.2747	50
11	807	8064	8.98	365	8401		424	9663	9.48	0337	691	49
12 13	835	8603	8.97	358	8371		455	9.370232	9.46	0.629768	635	48 47
14	863 892	9141 9678	8.96 8.95	351 345	8342 8312	.50	485 516	$0799 \\ 1367$	9.45 $9.44$	$9201 \\ 8633$	580 524	46
	1					.00						45
15 16	920 948	$9.360215 \\ 0752$	8.93 8.92	338 331	$8282 \\ 8252$		547 578	$1933 \\ 2499$	9.43 $9.42$	$8067 \\ 7501$	468 413	44
17	977	1287	8.91	325	8223		608	3064	9.41	6936	358	43
18	23005	1822	8.90	318	8193		639	3629	9,40	6371	303	42
19	033	2356	8.89	311	8163		670	4193	9.39	5807	248	41
20	23062	9.362889	8.88	97304	9.988133	.50	23700	9.374756	9.38	0.625244	4.2193	40
21	090	3422	8.87	298	8103		731	5319	9.37	4681	139	39
22	118	3954	8.85	291	8073		762	5881	9.35	4119	084	38
23	146	4485	8.84	284	8043		793	6442	9.34	3558	030	$\begin{array}{c} 37 \\ 36 \end{array}$
24	175	5016	8.83	278	8013		823	7003	9.33	2997	4.1976	
25	203	5546 6075	8.82	271	7983		854	7563	9.32	2437	922	$\begin{array}{c} 35 \\ 34 \end{array}$
$\frac{26}{27}$	231 260	6604	8.81 8.80	264 257	7953 7922		885 916	8122 8681	9.31 9.30	1878 1319	868 814	33
28	288	7131	8.79	251	7892		946	9239	9.29	0761	760	32
29	316	7659	8.77	244	7862		977	9797	9.28	0203	706	31
30	23345	9.368185	8.76	97237	9.987832	.51	24008	9.380354	9.27	0.619646	4.1653	30
31	373	8711	8.75	230	7801		039	0910	9.26	9090	600	29
32	401	9236	8.74	223	7771		069	1466	9.25	8534	547	28
33	429	9761	8.73	217	7740		100	2020	9.24	7980	493	27
34	458	9.370285	8.72	210	7710		131	2575	9,23	7425	441	26
35	486	0808	8.71	203	7679		162	3129	9.22	6871	388	$\begin{array}{c} 25 \\ 24 \end{array}$
36 37	514 542	$1330 \\ 1852$	8.70 8.69	196 189	7649 7618		193 223	$\frac{3682}{4234}$	9.21 $9.20$	6318 5766	335 282	23
38	571	2373	8.67	182	7588		254	4786	9.19	5214	230	22
39	599	2894	8.66	176	7557		285	5337	9.18	4663	178	21
40	23627	9.373414	8.65	97169	9.987526	.51	24316	9.385888	9.17	0.614112	4.1126	20
41	656	3933	8.64	162	7496	•02	347	6438	9.15	3562	074	19
42	684	4452	8.63	155	7465		377	6987	9.14	3013	022	18
43	712	4970	8.62	148	7434		408	7536	9.13	2464	4.0970	17
44	740	5487	8.61	141	7403	.52	439	8084	9.12	1916	918	16
45	769	6003	8.60	134	7372		470	8631	9.11	1369	867	15 14
46 47	797 825	$6519 \\ 7035$	8.59 8.58	127	7341 7310		501	$9178 \\ 9724$	9.10	$\begin{array}{c} 0822 \\ 0276 \end{array}$	815 764	13
48	823 853	7549	8.57	120 113	7279		532 562	9.390270	9.09	0.609730	704	12
49	882	8063	8.56	106	7248		593	0815	9.07	9185	662	11
50	23910	9.378577	8.54	97100	9.987217	.52	24624	9.391360	9.06	0.608640	4.0611	10
51	938	9089	8.53	093	7186	.02	655	1903	9.05	8097	560	9
52	966	9601	8.52	086	7155		686	2447	9.04	7553	509	8
53	995	9.380113	8.51	079	7124		717	2989	9.03	7011	459	7
54	24023	0624	8.50	072	7092		747	3531	9.02	6469	408	6
55	051	1134	8.49	065	7061		778	4073	9.01	5927	358	5 4
56 57	079 108	$1643 \\ 2152$	8.48	058	7030 6998		809	$\frac{4614}{5154}$	9.00	$\frac{5386}{4846}$	$\frac{308}{257}$	3
58	136	$\frac{2152}{2661}$	8.47 8.46	051 044	6967		840 871	5694	8.99 8.98	4306	207	2
59	164	3168	8.45	037	6936		902	6233	8.97	3767	158	1
60	24192	9.383675		97030	9.986904		24933	9.396771		0.603229	4.0108	0
	-		Die	<u> </u>		Dif			Die			
103°	Nat.		Dif.	Nat.	Log. Sines.	Dif.	Nat.		Dif.	Log.	Nat.	76°
1	1	Cosines.		1	Sines.		Col	tangents.		Tange	1115.	

Nat.   Log.   Dif.   Nat.   Log.   Dif.   Nat.   Log.   Dif.   Log.   Nat.   Log.   Dif.   Dif.   Log.   Nat.   Log.   Dif.   Dif.   Log.   Nat.   Log.   Dif.   Log.   Nat.   Dif.   Dif.   Log.   Nat.   Dif.   Dif.   Log.   Nat.   Dif.	_		G.			0					C 4:		
1	14°	N N	Sines.	Dif	No.4	Cosines.	Dif	~~~		Die			165°
1		Nat	Log,	Dir.	Nat.	Log.	DII.	Nat.	Log.	DII.	Log.	Nat.	
2	0'	24192	9.383675	8.44	97030	9.986904	.52	24933	9.396771	8.96	0.603229	4.0108	60'
3							.53						59
4   305   5097   8.40   001   6778   6786   656   8019   8.03   1081   910     5   332   6291   8.35   887   6714   118   9090   8.01   0010   812     7   300   7297   8.37   8.38   6883   149   9.400524   8.30   0.590476   714     9   446   8210   8.35   960   6019   211   1591   8.88   8409   665     10   24474   9.888711   8.35   962   6655   52   222   9.402124   8.87   0.579876   3.661     11   563   9211   8.33   952   6555   273   2265   8.86   7344   568     12   531   9711   8.32   945   6523   304   3187   8.85   6813   569     13   569   9.390210   8.31   937   6491   335   3718   8.84   6282   471     14   587   0708   8.30   990   6363   54   459   5836   8.80   4164   229     15   615   1206   8.28   923   6427   397   4778   8.82   5222   375     16   644   1703   8.27   916   6335   428   5808   8.81   44692   327     17   672   2199   8.26   990   6363   54   459   5836   8.80   4164   229     18   700   2605   8.25   992   6333   54   459   5836   8.80   4164   229     19   728   3191   8.24   894   62299   521   6892   8.78   3108   184     20   24756   9.393685   8.23   9687   9.986266   54   2562   2878   3108   184     22   23   4477   8.22   880   6234   583   7945   8.76   2005   689     22   813   4673   8.21   873   62002   614   8471   8.75   1529   6042     24   869   5658   8.19   885   6137   676   9521   04479   947     25   897   6150   8.18   81   6104   707   9.410045   8.73   0.599955   900     25   897   6150   8.18   815   6104   707   9.410045   8.73   0.599955   900     25   897   6150   8.18   815   6104   707   9.410045   8.73   0.599955   900     25   897   6150   8.18   815   81													58
Same					1								57 56
6         392         6704         8.88         987         6714         118         9990         8.91         0010         812           7         300         7207         8.87         990         6683         149         9,40624         8.90         0,986687         180         10.082         8.98         9,9842         714           10         24474         9,88711         8.34         9609         9,986687         13         22242         9,402124         8.87         0,597876         3,9617           11         203         9211         8.33         902         65655         273         2666         8.86         7344         508           13         550         9,990210         8.31         937         6491         335         3718         8.84         6282         471           14         887         7070         8.28         923         6427         397         4778         8.82         5222         335           15         615         1206         8.28         923         6427         397         4778         8.82         6222         335           16         644         1703         8.26         823					1								
To   Section								1					55 54
8													53
10													52
11													51
11	10	24474	9.388711	8.34	96959	9.986587	.53	25242	9.402124	8.87	0.597876	3.9617	50
13													49
14	12	531	9711	8.32	945	6523		304	3187	8.85	6813	520	48
15													47
16	14	587	0708	8.30	930	6459		366	4249	8.83	5751	423	46
Tr													45
18		1											44 43
19							.54						42
20         24756         9.393685         8.23         96887         9.986266         .54         25552         9.407419         8.77         0.592581         3.9136         21         784         4179         8.22         880         6234         583         7945         8.76         2055         089           22         813         4673         8.21         873         6202         614         8471         8.75         1529         042           24         860         5658         8.19         886         61369         645         8906         8.74         1004         3.8905           26         925         6641         8.17         844         6072         738         0569         8.72         9431         854           27         954         7132         837         6039         769         1002         8.71         890         887           28         982         7621         8.16         829         6007         800         1615         8.73         893         7863         714           30         25038         9.936800         8.13         897         5909         .55         833         3179         8.67													41
Total	1	1			1		E4	ı					40
22							•94						39
23         841         5166         8.20         866         6169         645         8906         8.74         1004         3.8995           24         869         5658         8.19         858         6137         676         9521         0479         947           25         897         6150         8.18         851         6104         707         9.410045         8.73         0.589955         990           26         925         6641         8.17         844         6072         738         0.569         8.72         9431         854           27         954         7132         837         6039         769         1002         8.71         8908         806           29         25010         8111         8.15         822         5974         831         2137         8.69         7863         714           30         25038         9.389600         8.14         8815         9.985942         54         25802         9.412658         8.60         58763         714         317         337         236908         8.66         6301         575         336         317         924         3699         8.66         6301													38
26					1	6169						3.8995	37
26	24	869	5658	8.19	858	6137		676	9521		0479	947	36
27	. 25	897	6150	8.18	851	6104		707	9.410045	8.73	0.589955	900	35
28         982         7621         8.16         829         6007         800         1615         8.70         8385         760           29         25010         8111         8.15         822         5974         831         2137         8.69         7863         714           30         25038         9.398600         8.14         98815         9.985942         .54         25862         9.412658         8.68         0.587342         3.8667         7863         714           31         066         9088         8.13         807         5909         .55         893         3179         8.67         6821         621           32         094         9575         8.12         800         5876         593         3179         8.65         5781         528           34         151         0549         8.10         786         5811         986         4738         8.64         5622         482           35         179         1035         8.09         778         5778         26017         5257         4743         436           36         207         1520         8.08         771         5745         048         <	26	925		8.17	844	6072		738		8.72			34
29													33
30         25038         9.398600         8.14         96815         9.985942         .54         25862         9.412658         8.68         0.587342         3.8667           31         066         9088         8.13         807         5909         .55         893         3179         8.67         6821         621           32         094         9575         8.12         800         5876         924         3699         8.66         6301         575           33         122         9.400062         8.11         733         5843         955         4219         8.65         5781         528           34         151         0549         8.10         786         5811         986         4738         8.64         5262         482           35         179         1035         8.09         778         5778         26017         5257         4743         436           36         207         1520         8.08         771         5745         048         5775         8.62         3707         345           38         263         2498         8.06         756         5679         110         6810         8.61													32 31
31         066         9088         8.13         807         5909         .55         893         3179         8.67         6821         621           32         094         9575         8.12         800         5876         924         3699         8.66         6301         575           33         122         9.400062         8.11         798         5811         986         4738         8.64         5262         482           35         179         1035         8.09         778         5778         26017         5257         4743         436           36         207         1520         8.08         771         5745         048         5775         8.63         4225         391           37         235         2005         8.07         764         5712         079         6293         8.62         3707         345           38         263         2489         8.06         756         5679         110         6810         8.61         3190         299           39         291         2972         8.05         749         5646         141         7326         8.60         2674         254		1			i								
32         094         9575         8.12         800         5876         924         3699         8.66         6301         575           33         122         9.400062         8.11         793         5843         955         4219         8.65         5781         528           34         151         0549         8.10         786         5811         986         4738         8.64         5262         482           35         179         1035         8.09         778         5778         26017         5257         4743         436           36         207         1520         8.08         771         5745         048         5775         8.63         4225         391           37         235         2005         8.07         764         5712         079         6293         8.62         3707         345           38         263         2489         8.06         756         5679         110         6810         8.61         3190         299           39         291         2972         8.05         749         5646         141         7328         8.50         0.582158         8.82         380													<b>30</b> 29
33   122   9.400062   8.11   793   5843   955   4219   8.65   5781   528     34   151   0549   8.10   786   5811   986   4738   8.64   5262   482     35   179   1035   8.09   778   5778   26017   5257   4743   436     36   207   1520   8.08   771   5745   048   5775   8.63   4225   391     37   235   2005   8.07   764   5712   079   6293   8.62   3707   345     38   263   2489   8.06   756   5679   110   6810   8.61   3190   299     39   291   2972   8.05   749   5646   141   7326   8.60   2674   254     40   25320   9.403455   8.04   96742   9.985613   .55   26172   9.417842   8.59   0.582158   3.8208     41   348   3938   8.03   734   5580   203   8358   8.58   1642   163     42   376   4420   8.02   727   5547   235   8873   8.57   1127   118     43   404   4901   8.01   779   5514   266   9387   8.56   0613   073     44   432   5382   8.00   712   5480   297   9901   8.55   0099   028     45   460   5862   7.99   705   5447   328   9.420415   0.579585   3.7983     46   488   6341   7.98   697   5414   359   0.927   8.54   9073   938     47   516   6820   7.97   690   5381   .56   390   140   8.53   8560   893     48   545   7290   7.96   682   5347   421   1952   8.52   8048   848     49   573   7777   7.95   675   5314   452   2463   8.51   7537   804      50   25601   9.408254   7.94   96667   9.985280   .56   26483   9.422974   8.50   0.577026   3.7760     51   629   8731   660   5247   515   3484   8.49   6516   715     52   657   9207   7.93   653   5213   546   3993   8.48   6007   671     53   685   9682   7.92   645   5180   577   4503   5497   627     54   713   9.410157   7.91   638   5146   608   5011   8.47   4989   583     55   741   0632   7.90   630   5113   639   5519   8.46   4481   539     56   769   1106   7.89   623   5079   670   6027   8.45   3973   495     57   798   1579   7.88   615   5045   701   6534   8.44   3466   451     58   826   2052   7.87   608   5011   733   7041   8.43   2959   408     59   854   2524   7.86   600   4978   704   7547   2453   364     60   25882   9.412		1					.55						28
34         151         0549         8.10         786         5811         986         4788         8.64         5262         482           35         179         1035         8.09         778         5778         26017         5257         4743         436           36         207         1520         8.08         771         5745         048         5775         8.63         4225         391           37         235         2005         8.07         764         5712         079         6293         8.62         3707         345           38         263         2489         8.06         756         5679         110         6810         8.61         3190         299           39         291         2972         8.05         749         5646         141         7326         8.60         2674         254           40         25320         9.403455         8.04         96742         9.985613         .55         26172         9.417842         8.59         0.582158         3.8208           41         348         3988         8.03         734         5580         203         8358         8.57         1127         <													27
35		1											26
36         207         1520         8.08         771         5745         048         5775         8.63         4225         391           37         235         2005         8.07         764         5712         079         6293         8.62         3707         345           38         263         2489         8.06         756         5679         110         6810         8.62         3707         345           39         291         2972         8.05         749         5646         141         7326         8.60         2674         294           40         25320         9.403455         8.04         96742         9.985613         .55         26172         9.417842         8.59         0.582158         3.8208           41         348         3938         8.03         734         5580         203         8358         8.58         1642         163           42         376         4420         8.02         727         5547         235         8873         8.57         1127         118           43         404         4901         8.01         719         55147         238         9.420415         0.579685	1	1			i						4743	436	25
37         235         2005         8.07         764         5712         079         6293         8.62         3707         345           38         263         2489         8.06         756         5679         110         6810         8.61         3190         299           39         291         2972         8.05         749         5646         141         7326         8.60         2674         254           40         25320         9.403455         8.04         96742         9.985613         .55         26172         9.417842         8.59         0.582158         3.8208           41         348         3938         8.03         734         5580         203         8358         8.58         1642         163           42         376         4420         8.02         727         5547         235         8873         8.57         1127         118           43         404         4901         8.01         719         5514         266         9387         8.56         0613         073           44         432         5382         8.00         712         5480         297         9901         8.55 <td< th=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>8.63</td><td></td><td></td><td>24</td></td<>										8.63			24
38         263         2489         8.06         756         5679         110         6810         8.61         3190         299           39         291         2972         8.05         749         5646         141         7326         8.00         2674         254           40         25320         9.403455         8.04         96742         9.985613         .55         26172         9.417842         8.59         0.582158         3.8208           41         348         3938         8.03         734         5580         203         8358         8.58         1642         163           42         376         4420         8.02         727         5547         235         8873         8.57         1127         118           43         404         4901         8.01         719         5514         266         9387         8.56         0613         073           44         432         5382         8.00         712         5480         297         9901         8.55         0099         028           45         460         5862         7.99         705         5447         328         9.420415         0.579585		1						1					23
40         25320         9.403455         8.04         96742         9.985613         .55         26172         9.417842         8.59         0.582158         3.8208           41         348         3938         8.03         734         5580         203         8358         8.58         1642         163           42         376         4420         8.02         727         5547         235         8873         8.57         1127         118           43         404         4901         8.01         719         5514         266         9387         8.56         0613         073           44         432         5382         8.00         712         5480         297         9901         8.55         0099         028           45         460         5862         7.99         705         5447         328         9.420415         0.579585         3.7983           46         488         6341         7.98         697         5414         359         0927         8.54         9073         938           47         516         6820         7.97         690         5381         .56         390         1440         8.53		263		8.06	756			110					22
41       348       3938       8.03       734       5580       203       8358       8.58       1642       163         42       376       4420       8.02       727       5547       235       8873       8.57       1127       118         43       404       4901       8.01       719       5514       266       9387       8.56       0613       073         44       432       5382       8.00       712       5480       297       9901       8.55       0099       028         45       460       5862       7.99       705       5447       328       9.420415       0.579585       3.7983         46       488       6341       7.98       697       5414       359       0927       8.54       9073       938         47       516       6820       7.97       690       5381       .56       390       1440       8.53       8560       893         48       545       7299       7.96       682       5347       421       1952       8.52       8048       848         49       573       7777       7.95       675       5314       452       2463 </th <td>39</td> <td>291</td> <td>2972</td> <td>8.05</td> <td>749</td> <td>5646</td> <td></td> <td>141</td> <td>7326</td> <td>8.60</td> <td>2674</td> <td>254</td> <td>21</td>	39	291	2972	8.05	749	5646		141	7326	8.60	2674	254	21
42         376         4420         8.02         727         5547         235         8873         8.57         1127         118           43         404         4901         8.01         719         5514         266         9387         8.56         0613         073           44         432         5382         8.00         712         5480         297         9901         8.55         0099         028           45         460         5862         7.99         705         5447         328         9.420415         0.579585         3.7983           46         488         6341         7.98         697         5414         359         0927         8.54         9073         938           47         516         6820         7.97         690         5381         .56         390         1440         8.53         8560         893           48         545         7299         7.96         682         5347         421         1952         8.52         8048         848           49         573         7777         7.95         675         5314         452         2463         8.51         7537         804	40	25320	9.403455	8.04	96742	9.985613	.55	26172		8.59			20
43         404         4901         8.01         719         5514         266         9387         8.56         0613         073           44         432         5382         8.00         712         5480         297         9901         8.55         0099         028           45         460         5862         7.99         705         5447         328         9.420415         0.579585         3.7983           46         488         6341         7.98         697         5414         359         0927         8.54         9073         938           47         516         6820         7.97         690         5381         .56         390         1440         8.53         8560         893           48         545         7299         7.96         682         5347         421         1952         8.52         8048         848           49         573         7777         7.95         675         5314         452         2463         8.51         7537         804           50         25601         9.408254         7.94         9667         9.985280         .56         26483         9.422974         8.50         <	41	348			1								19
44         432         5382         8.00         712         5480         297         9901         8.55         0099         028           45         460         5862         7.99         705         5447         328         9.420415         0.579585         3.7983           46         488         6341         7.98         697         5414         359         0927         8.54         9073         938           47         516         6820         7.97         690         5381         .56         390         1440         8.53         8560         893           48         545         7299         7.96         682         5347         421         1952         8.52         8048         848           49         573         7777         7.95         675         5314         452         2463         8.51         7537         804           50         25601         9.408254         7.94         9667         9.985280         .56         26483         9.422974         8.50         0.577026         3.760           51         629         8731         660         5247         515         3484         8.49         6516													18 17
45								•					16
46		- 1			1			l .		0.00			15
47         516         6820         7.97         690         5381         .56         390         1440         8.53         8560         893           48         545         7299         7.96         682         5347         421         1952         8.52         8048         848           49         573         7777         7.95         675         5314         452         2463         8.51         7537         804           50         25601         9.408254         7.94         96667         9.985280         .56         26483         9.422974         8.50         0.577026         3.7760           51         629         8731         660         5247         515         3484         8.49         6516         715           52         657         9207         7.93         653         5213         546         3993         8.48         6007         671           53         685         9682         7.92         645         5180         577         4503         5497         627           54         713         9.410157         7.91         638         5146         608         5011         8.47         4989								1		g K.1			14
48 545 7299 7.96 682 5347 421 1952 8.52 8048 848 49 573 7777 7.95 675 5314 452 2463 8.51 7537 804   50 25601 9.408254 7.94 96667 9.985280 .56 26483 9.422974 8.50 0.577026 3.7760 51 629 8731 660 5247 515 3484 8.49 6516 715 52 657 9207 7.93 653 5213 546 3993 8.48 6007 671 53 685 9682 7.92 645 5180 577 4503 5497 627 54 713 9.410157 7.91 638 5146 608 5011 8.47 4989 583 55 741 0632 7.90 630 5113 639 5519 8.46 4481 539 56 769 1106 7.89 623 5079 670 6027 8.45 3973 495 57 798 1579 7.88 615 5045 701 6534 8.44 3466 451 58 826 2052 7.87 608 5011 733 7041 8.43 2959 408 59 854 2524 7.86 600 4978 764 7547 2453 364 60 25882 9.412996 96593 9.984944 26795 9.428052 0.571948 3.7321							.56						13
49         573         7777         7.95         675         5314         452         2463         8.51         7537         804           50         25601         9.408254         7.94         9667         9.985280         .56         26483         9.422974         8.50         0.577026         3.7760           51         629         8731         660         5247         515         3484         8.49         6516         715           52         657         9207         7.93         653         5213         546         3993         8.48         6007         671           53         685         9682         7.92         645         5180         577         4503         5497         627           54         713         9.410157         7.91         638         5146         608         5011         8.47         4989         583           55         741         0632         7.90         630         5113         639         5519         8.46         4481         539           56         769         1106         7.89         623         5079         670         6027         8.43         3464         451						F0.45	•00						12
50         25601         9.408254         7.94         96667         9.985280         .56         26483         9.422974         8.50         0.577026         3.7760           51         629         8731         660         5247         515         3484         8.49         6516         715           52         657         9207         7.93         653         5213         546         3993         8.48         6007         671           53         685         9682         7.92         645         5180         577         4503         5497         627           54         713         9.410167         7.91         638         5146         608         5011         8.47         4989         583           55         741         0632         7.90         630         5113         639         5519         8.46         4481         539           56         769         1106         7.89         623         5079         670         6027         8.45         3973         495           57         798         1579         7.88         615         5045         701         6534         8.44         3466         451 <td></td> <td>11</td>													11
51         629         8731         660         5247         515         3484         8.49         6516         715           52         657         9207         7.93         653         5213         546         3993         8.48         6007         671           53         685         9682         7.92         645         5180         577         4503         5497         627           54         713         9.410157         7.91         638         5146         608         5011         8.47         4989         583           55         741         0632         7.90         630         5113         639         5519         8.46         4481         539           56         769         1106         7.89         623         5079         670         6027         8.45         3973         495           57         798         1579         7.88         615         5045         701         6534         8.44         3466         451           58         826         2052         7.87         608         5011         733         7041         8.43         2959         408           59         854				7.94		9.985280	.56	26483	9.422974	8.50	0.577026	3.7760	10
52         657         9207         7.93         653         5213         546         3993         8.48         6007         671           53         685         9682         7.92         645         5180         577         4503         5497         627           54         713         9.410157         7.91         638         5146         608         5011         8.47         4989         583           55         741         0632         7.90         630         5113         639         5519         8.46         4481         539           56         769         1106         7.89         623         5079         670         6027         8.45         3973         495           57         798         1579         7.88         615         5045         701         6534         8.44         3466         451           58         826         2052         7.87         608         5011         733         7041         8.43         2959         408           59         854         2524         7.86         600         4978         764         7547         2453         364           60         258			8731				,		3484	8.49	6516		9
54         713         9.410157         7.91         638         5146         608         5011         8.47         4989         583           55         741         0632         7.90         630         5113         639         5519         8.46         4481         539           56         769         1106         7.89         623         5079         670         6027         8.45         3973         495           57         798         1579         7.88         615         5045         701         6534         8.44         3466         451           58         826         2052         7.87         608         5011         733         7041         8.43         2959         408           59         854         2524         7.86         600         4978         764         7547         2453         364           60         25882         9.412996         96593         9.984944         26795         9.428052         0.571948         3.7321           104°         Nat.         Log.         Dif.         Nat.         Log.         Dif.         Log.         Dif.         Log.         Nat.	52	657								8.48			8
55         741         0632         7.90         630         5113         639         5519         8.46         4481         539           56         769         1106         7.89         623         5079         670         6027         8.45         3973         495           57         798         1579         7.88         615         5045         701         6534         8.44         3466         451           58         826         2052         7.87         608         5011         733         7041         8.43         2959         408           59         854         2524         7.86         600         4978         764         7547         2453         364           60         25882         9.412996         96593         9.084944         26795         9.428052         0.571948         3.7321           104°         Nat.         Log.         Dif.         Nat.         Log.         Dif.         Log.         Nat.										0.45			7 6
56 769 1106 7.89 623 5079 670 6027 8.45 3973 495 577 798 1579 7.88 615 5045 701 6534 8.44 3466 451 58 826 2052 7.87 608 5011 733 7041 8.43 2959 408 59 854 2524 7.86 600 4978 764 7547 2453 364 60 25882 9.412996 96593 9.084944 26795 9.428052 0.571948 3.7321		- 1			1								
57					1								5 4
58 826 2052 7.87 608 5011 733 7041 8.43 2959 408 59 854 2524 7.86 600 4978 764 7547 2453 364 60 25882 9.412996 96593 9.984944 26795 9.428052 0.571948 3.7321 104° Nat. Log. Dif. Nat. Log. Dif. Nat. Log. Dif. Log. Nat.		1						•					3
59 854 2524 7.86 600 4978 764 7547 2453 364 600 25882 9.412996 96593 9.984944 26795 9.428052 0.571948 3.7321 104° Nat. Log. Dif. Nat. Log. Dif. Nat. Log. Dif. Log. Nat.													2
60 25882 9.412996 96593 9.984944 26795 9.428052 0.571948 3.7321 104. Nat. Log. Dif. Nat. Log. Dif. Nat. Log. Dif. Log. Nat. 1,										J. 10			1
104° Nat. Log. Dif. Nat. Log. Dif. Nat. Log. Dif. Log. Nat.	-							1					0
1104°	-00	120002	0.112000		1 20000			120100					1
Cosines. Sines. Cotangents. Tangents.	104	Lo Nat	. Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.			75°
	109		Cosines.			Sines.		Cot	angents.		Tange	nts.	

	_				0. 1		, m			0.4		1
15°	Nat.	Sines.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	164°
	Nat.	Log.		Nat.	Log.		Nat.	Log.	1711.	Log.		
0'	25882	9.412996	7.85	96593	9.984944	.57	26795	9.428052	8.42	0.571948	3.7321	60'
$\frac{1}{2}$	910 938	3467 3938	7.84 7.83	585 578	$\frac{4910}{4876}$		826 857	$8558 \\ 9062$	8.41 8.40	$\frac{1442}{0938}$	$277 \\ 234$	59 58
3	966	4408	1.00	570	4842		888	9566	8.39	0434	191	57
4	994	4878	7.82	562	4808		920	9.430070	8.38	0.569930	148	56
5	26022	5347	7.81	555	4774		951	0573		9427	105	55
6	050	5815	7.80	547	4740		982	1075	8.37	8925	062	54
7	079	6283	7.79	540	4706		27013	1577	8.36	8423	019	53
8 9	107 135	$6751 \\ 7217$	7.78 7.77	532 524	$\frac{4672}{4638}$		044 076	$2079 \\ 2580$	8.35 8.34	$7921 \\ 7420$	3.6976 933	52 51
10-	26163	9.417684	7.76	96517	9.984603	.57	27107	9.433080	8.33	0.566920		50
11	191	8150	7.75	509	4569	.51	138	3580	8.32	6420	3.6891 848	49
12	219	8615	7.74	502	4535		169	4080	0,02	5920	806	48
13	247	9079	7.73	494	4500		201	4579	8.31	5421	764	47
14	275	9544		486	4466		232	5078	8.30	4922	722	46
15	303	9.420007	7.72	479	4432	.58	263	5576	8.29	4424	680	45
16 17	331 359	0470 0933	7.71	471 463	4397 4363		294	$6073 \\ 6570$	8.28	$\frac{3927}{3430}$	638	44
18	387	1395	7.70 7.69	456	4328		326 357	7067	8.27	2933	596 554	42
19	415	1857	7.68	448	4294		388	7563	8.26	$\frac{2437}{2437}$	512	41
20	26443	9.422318	7.67	96440	9.984259	.58	27419	9.438059	8.25	0.561941	3.6470	40
21	471	2778		433	4224		451	8554	8.24	1446	429	39
22	500	3238	7.66	425	4190		482	9048	8.23	0952	387	38
$\begin{array}{c} 23 \\ 24 \end{array}$	528	3697	7.65	417	4155		513	9543	0.00	0457	346	37
	556	4156	7.64	410	4120		545	9.440036	8.22	0.559964	305	36
$\begin{array}{c} 25 \\ 26 \end{array}$	584	4615 5073	7.63	402	4085 4050		576 607	$0529 \\ 1022$	8.21	9471 8978	264	35 34
27	612 640	5530	7.62 7.61	394 386	4015		638	1514	8.20 8.19	8486	222 181	33
28	668	5987	7.60	379	3981		670	2006	0.10	7994	140	32
29	696	6443		371	3946		701	2497	8.18	7503	100	31
30	26724	9.426899	7.59	96363	9.983911	.58	27732	9.442988	8.17	0.557012	3.6059	30
31	752	7354	7.58	355	3875		764	3479	8.16	6521	018	29
32 33	780 808	7809 8263	7.57	347	$\frac{3840}{3805}$	.59	795	3968 4458	0.15	$\begin{array}{c} 6032 \\ 5542 \end{array}$	3.5978	28 27
34	836	8717	7.56 7.55	340 332	3770		826 858	4947	8.15 8.14	5053	937 897	26
35	864	9170	7.54	324	3735		889	5435	8.13	4565	856	25
36	892	9623	7.53	316	3700		921	5923	8.12	4077	816	24
37	920	9.430075	***	308	3664		952	6411		3589	776	23
38	948	0527	7.52	301	3629		983	6898	8.11	3102	736	22
39	976	0978	7.51	293	3594		28015	7384	8.10	2616	696	21
<b>40</b> 41	27004	9.431429	7.50	96285	9.983558	.59	28046	9.447870	8.09	0.552130	3.5656	20
42	032 060	$1879 \\ 2329$	7.49	277 269	$3523 \\ 3487$		077 109	$8356 \\ 8841$	8.08	$1644 \\ 1159$	616 576	19 18
43	088	$\frac{2525}{2778}$	7.48	261	3452		140	9326	8.07	0674	536	17
44	116	3226	7.47	253	3416		172	9810	8.06	0190	497	16
45	144	3675	7.46	246	3381		203	9.450294		0.549706	457	15
46	172	4122	7.45	238	3345		234	0777	8.05	9223	418	14
47 48	200	4569	7.44	230	3309		266	1260	8.04	8740	379	13
49	228 256	5016 5462	7.43	222 214	$\frac{3273}{3238}$	.60	297 329	$\begin{array}{c} 1743 \\ 2225 \end{array}$	8,03 8,02	8257 7775	339 300	$\begin{array}{c c} 12 \\ 11 \end{array}$
50	27284	9.435908	7.42	96206	9.983202	.60	28360	9.452706	8.02	0.547294		10
51	312	6353	7.42	198	3166	.00	28360 391	3187	8.02	6813	3.5261 222	9
52	340	6798	7.40	190	3130		423	3668	8.00	6332	183	8
53	368	7242		182	3094		454	4148	7.99	5852	144	7
54	396	7686	7.39	174	3058		486	4628		5372	105	6
55 56	424	8129	7.38	166	3022		517	5107	7.98	4893	067	5
57	452 480	$8572 \\ 9014$	7.37 7.36	158 150	$\frac{2986}{2950}$		549 580	$\frac{5586}{6064}$	7.97 $7.96$	$\frac{4414}{3936}$	028 3.4989	4 3
58	508	9456	7.35	142	$\frac{2930}{2914}$		612	6542	1.00	3458	951	2
59	536	9897		134	2878		643	7019	7.95	2981	912	1
60	27564	9.440338		96126	9.982842		28675	9.457496		0.542504	3.4874	0
105°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	74°
100		Cosines.			Sines.		Cot	angents.		Tange	nts.	1 1

		Sines.		1	Cosines.		Тя	ngents.		Cotang	ents.	<b>4</b> (2) <b>4</b>
16°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	163°
	l			<u> </u>				0.455400				000
0'	27564	9.440338	7.34	96126	9.982842 $2805$	.60	28675	9.457496	7.94	0.542504	3.4874	60'
$\frac{1}{2}$	592 620	$0778 \\ 1218$	7.33 7.32	118 110	$\frac{2803}{2769}$		706 738	7973 8449	7.93	$\frac{2027}{1551}$	836 798	59 58
3	648	1658	7.31	102	$\frac{2703}{2733}$	.61	769	8925	7.92	1075	760	57
4	676	2096	1101	094	2696	.01	801	9400	7.91	0600	722	56
5		2535	7.30	086	2660		832	9875	7.90	0125		55
6	704 731	$\frac{2933}{2973}$	7.29	078	2624		864	9.460349	1.90	0.539651	684 646	54
7	759	3410	7.28	070	2587		895	0823	7.89	9177	608	53
8	787	3847	7.27	062	2551		927	1297	7.88	8703	570	52
9	815	4284		054	2514		958	1770		8230	533	51
10	27843	9.444720	7.26	96046	9.982477	.61	28990	9.462242	7.87	0.537758	3.4495	50
11	871	5155	7.25	037	2441	•02	29021	2715	7.86	7285	458	49
12	899	5590	7.24	029	2404		053	3186	7.85	6814	420	48
13	927	6025	7.23	021	2367		084	3658		6342	383	47
14	955	6459		013	2331		116	4128	7.84	5872	346	46
15	983	6893	7.22	005	2294		147	4599	7.83	5401	308	45
16	28011	7326	7.21	95997	2257		179	5069		4931	271	44
17	039	7759	7.20	989	2220	.62	210	5539	7.82	4461	234	43
18	067	8191		981	2183		242	6008	7.81	3992	197	42
19	095	8623	7.19	972	2146		274	6477	7.80	3523	160	41
20	28123	9.449054	7.18	95964	9.982109	.62	29305	9.466945	7.80	0.533055	3,4124	40
21	150	9485	7.17	956	2072		337	7413	7.79	2587	087	39
22	178	9915	7.16	948	2035		368	7880	7.78	2120	- 050	38
23	206	9.450345		940	1998		400	8347		1653	014	37
24	234	0775	7.15	931	1961		432	8814	7.77	1186	3.3977	36 -
25	262	1204	7.14	923	1924		463	9280	7.76	0720	941	35
26	290	1632	7.13	915	1886		495	9746	7.75	0254	904	34
27	318	2060		907	1849		526	9.470211		0.529789	868	33
28	346	2488	7.12	898	1812		558	0676	7.74	9324	832	32
29	374	2915	7.11	890	1774		590	1141	7.73	8859	796	31
30	28402	9.453342	7.10	95882	9.981737	.62	29621	9.471605	7.73	0.528395	3.3759	30
31	429	3768		874	1700	.63	653	2069	7.72	7931	723	29
32	457	4194	7.09	865	1662		685	2532	7.71	7468	687	28
33	485	4619	7.08	857	1625		716	2995		7005	652	27
34	513	5044	7.07	849	1587		748	3457	7.70	6543	616	26
35	541	5469		841	1549		780	3919	7.69	6081	580	25
36	569	5893	7.06	832	1512		811	4381		5619	544	24
37	597	6316	7.05	824	1474		843	4842	7.68	5158	509	23 22
38	625	6739	7.04	816	$1436 \\ 1399$		875	5303 5763	7.67	$\frac{4697}{4237}$	473 438	21
39	652	7162		807			906					
40	28680	9.457584	7.03	95799	9.981361	.63	29938	9.476223	7.66	0.523777	3.3402	20 19
41	708	8006	7.02	791	$1323 \\ 1285$		970	$6683 \\ 7142$	7.65	$\frac{3317}{2858}$	367	18
42	736	8427	7.01	782	1285		30001	7601	7 01	2399	332 297	17
43 44	764 792	8848 9268	7.00	774 766	1247		033 065	8059	7.64 7.63	1941	261	16
									. 100			15
45 46	820	9688 $9.460108$	6.99	757	$\frac{1171}{1133}$		097 128	$8517 \\ 8975$	7.62	1483 1025	226 191	14
47	847 875	9.400108	6.98	749 740	$\frac{1133}{1095}$		160	9432	7.62	0568	156	13
48	903	0946	6.97	732	1055	.64	192	9889	1.01	0111	122	12
49	931	1364	6.96	724	1019	*U±	224	9.480345	7.60	0.519655	087	11
	i			1	9.980981	0.4	1			0.519199		10
<b>50</b> 51	28959 987	9.461782 $2199$	6.95	95715 707	0942	.64	30255 287	$9.480801 \\ 1257$	7.59	8743	3.3052 017	9
52	29015	2616	6.94	698	0904		319	1712	7.58	8288	3.2983	8
53	042	3032	6.93	690	0866		351	2167	7.57	7833	948	7
54	070	3448	0,00	681	0827		382	2621		7379	914	6
55	098	3864	6.92	673	0789		414	3075	7.56	6925	879	5
56	126	$\frac{3604}{4279}$	9.91	664	0750		446	3529	7.55	6471	845	4
57	154	4694	6.90	656	0712		478	3982		6018	811	3
58	182	5108	0.00	647	0673		509	4435	7.54	5565	777	2
59	209	5522	6.89	639	0635		541	4887	7.53	5113	743	1
60	29237	9.465935	.,	95630	9.980596		30573	9.485339		0.514661	3.2709	0
				<del>.</del>				-				
106°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	73°

0'         29237         9.465935         6.88         95630         9.980596         .64         30573         9.485339         7.53         0.4           1         265         6348         622         0558         605         5791         7.52           2         293         6761         6.87         613         0519         .65         637         6242           3         321         7173         6.86         605         0480         669         6693         7.50           4         348         7585         6.85         596         0442         700         7143           5         376         7996         588         0403         732         7593           6         404         8407         6.84         579         0364         764         8043         7.48           7         432         8817         6.83         571         0325         796         8492           8         460         9227         562         0286         828         8941           9         487         9637         6.82         554         0247         860         9390         7.47           10	Cotangents.         Nat.           514661         3.270           4209         67           3758         64           3307         60           2857         57           2407         53           1957         50           1508         47           1059         43           0610         43           510162         3.237           509714         33	5 59 58 57 57 56 56 56 55 54 52 53 52
0'         29237         9.465935         6.88         95630         9.980596         .64         30573         9.485339         7.53         0.4           1         265         6348         622         0558         605         5791         7.52           2         293         6761         6.87         613         0519         .65         637         6242           3         321         7173         6.86         605         0480         669         6693         7.50           4         348         7585         6.85         596         0442         700         7143           5         376         7996         588         0403         732         7593           6         404         8407         6.84         579         0364         764         8043         7.48           7         432         8817         6.83         571         0325         796         8492           8         460         9227         562         0286         828         8941           9         487         9637         6.82         554         0247         860         9390         7.47           10	514661 3.270 4209 67 3758 64 3307 60 2857 57 2407 53 1957 50 1508 47 1059 43 0610 40 510162 3.237	9 <b>60'</b> 5 59 1 58 7 57 3 56 9 55 6 54 5 53 8 52
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	4209     67       3758     64       3307     60       2857     57       2407     53       1957     50       1508     47       1059     43       0610     40       510162     3.237	5 59 1 58 7 57 3 56 9 55 6 54 2 53 8 52
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3758 64 3307 60 2857 57. 2407 53 1957 50 1508 47. 1059 43. 0610 40. 510162 3.237	58 7 57 56 9 55 6 54 2 53 8 52
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3307 60 2857 57 2407 53 1957 50 1508 47 1059 43 0610 40 510162 3.237	7   57 3   56 9   55 6   54 2   53 8   52
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2857 57. 2407 53. 1957 50. 1508 47. 1059 43. 0610 40. 510162 3.237	56 55 54 2 53 3 52
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1957 50 1508 47 1059 43 0610 40 510162 3.237	54 2 53 3 52
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1957 50 1508 47 1059 43 0610 40 510162 3.237	54 2 53 3 52
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ccc} 1059 & 43 \\ 0610 & 40 \\ 510162 & 3.237 \end{array}$	3 52
9     487     9637     6.82     554     0247     860     9390     7.47       10     29515     9.470046     6.81     95545     9.980208     .65     30891     9.489838     7.47     0.6       11     543     0455     6.80     536     0169     923     9.490286     7.45     0.6       12     571     0863     528     0130     955     0733	$\begin{array}{ccc} 0610 & 40 \\ 510162 & 3.237 \end{array}$	
10     29515     9.470046     6.81     95545     9.980208     .65     30891     9.489838     7.47     0.6       11     543     0455     6.80     536     0169     923     9.490286     7.45     0.6       12     571     0863     528     0130     955     0733	510162 3.237	ו בט ן כ
11     543     0455     6.80     536     0169     923     9.490286     7.45     0.6       12     571     0863     528     0130     955     0733		
12 571 0863 528 0130 955 0733		
19   500   1971   570   510   0001   007   1190	9267 30	1
	8820 27	1 40
14         626         1679         6.78         511         0052         31019         1627         7.43	8373 23	
15 654 2086 502 0012 051 2073	7927 200	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	7481 173 $7035$ 133	1 40
18 737 3304 476 9895 .66 147 3410 7.40	6590 10	1 40
19 765 3710 6.75 467 9855 178 3854	6146 07	
<b>20</b> 29793 9.474115 6.74 95459 9.979816 .66 31210 9.494299 7.40 0.6	505701 3,204.	
21         821         4519         450         9776         242         4743         7.38	5257 008	39
22 849 4923 6.73 441 9737 274 5186	4814 3.1978	0-
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ccc} 4370 & 943 \\ 3927 & 910 \end{array} $	0.0
$\left[ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3485 878 3043 848	~ .
27 987 6938 6.69 398 9539 434 7399	2601 813	0.0
28 30015 7340 389 9499 466 7841 7.35	2159 - 786	32
29 043 7741 6.68 389 9459 498 8282 7.33	1718 748	1 1
04	501278 3.1710	
$ \begin{vmatrix} 31 & 098 & 8542 & 363 & 9380 & 562 & 9163 \ 32 & 126 & 8942 & 6.66 & 354 & 9340 & 594 & 9603 & 7.32 \ \end{vmatrix}  $	0837 - 689 - 659	
	$0397 - 659 \\ 499958 - 620$	
34   182   9741   337   9260   658   0481	9519 588	0.0
35   209 9.480140 6.64   328 9220   690 0920	9080 556	
36   237   0539   6.63   319   9180   722   1359 7.30	8641 52	
37   265   0937   310   9140   754   1797   38   292   1334   6.62   301   9100   786   2235   7.28	8203 495	2.2
$ \begin{vmatrix} 38 \\ 39 \end{vmatrix} \begin{vmatrix} 292 \\ 320 \end{vmatrix} \begin{vmatrix} 1334 \\ 6.61 \end{vmatrix} \begin{vmatrix} 6.62 \\ 293 \end{vmatrix} \begin{vmatrix} 301 \\ 9059 \end{vmatrix} \begin{vmatrix} 9100 \\ 818 \end{vmatrix} \begin{vmatrix} 786 \\ 2235 \end{vmatrix} \begin{vmatrix} 2235 \\ 7.28 \end{vmatrix} $	7765 $460$ $7328$ $429$	1 00
	196891 3.139	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$6454 \qquad 366$	1 10
42   403   2921 6.59   266   8939   914   3982	6018 33	18
43 431 3316 257 8898 946 4418	5582 303	
44   459   3712   6.58   248   8858   978   4854   7.25	5146 27	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	4711 240	
$\left[ egin{array}{c ccccc} 46 & 514 & 4501 & 231 & 8777 & 042 & 5724 \ 47 & 542 & 4895 & 6.56 & 222 & 8737 & 074 & 6159 & 7.23 \ \end{array}  ight]$	$ \begin{array}{ccc} 4276 & 209 \\ 3841 & 178 \end{array} $	10
48 570 5289 6.55 213 8696 .68 106 6593	3407 146	10
49 597 5682 204 8655 139 7027 7.22	2973 115	1 44
	192540 3.108	
51 653 6467 6.53 186 8574 203 7893	2107 053	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$1674 \qquad 029 \\ 1241 \qquad 3.099 $	-
$\begin{bmatrix} 54 \\ 54 \\ \end{bmatrix}$ $\begin{bmatrix} 736 \\ 7643 \\ 6.51 \\ \end{bmatrix}$ $\begin{bmatrix} 168 \\ 8452 \\ 299 \\ \end{bmatrix}$ $\begin{bmatrix} 267 \\ 8153 \\ 1.20 \\ 299 \\ \end{bmatrix}$ $\begin{bmatrix} 7.20 \\ 7.20 \\ 1.20$	0809 96	1 0
55 763 8034 150 8411 331 9622	0378 930	
56 791 8424 6.50 142 8370 363 9.510054 0.4	189946 899	4
57 819 8814 133 8329 396 0485	9515 868	1 .
58         846         9204         6.49         124         8288         428         0916         7.17           59         874         9593         6.48         115         8247         460         1346	9084 839 8654 80°	
	8034 80 188224 3.077	
	og. Nat.	
107° Nat. Log. Dif. Sines. Nat. Log. Dif. Cotangents.	Tangents.	72°

100		Sines.			Cosines.		Ta	ngents.		Cotang	ents.	1010
18°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	161°
0'	30902	9.489982	6.48	95106	9.978206	.68	32492	9.511776	7.17	0.488224	3.0777	60'
1	929	9.490371	6.47	097	8165	.00	524	2206	4.14	7794	746	59
$\hat{2}$	957	0759	0.11	088	8124		556	2635	7.15	7365	716	58
3	985	1147		079	8083	.69	588	3064	1.15	6936	686	57
4	31012	1535	6.45	070	8042	.09	621	3493	7 19	6507		56
				1			l		7.13		655	
5	040	1922	6.44	061	8001		653	3921		6079	625	55
6	068	2308		052	7959		685	4349		5651	595	54
7	095	2695	6.43	043	7918		717	4777	7.12	5223	565	53
8	123	3081	6.42	033	7877		749	5204		4796	535	52
9	151	3466		024	7835		782	5631	7.10	4369	505	51
10	31178	9.493851	6.42	95015	9.977794	.69	32814	9.516057	7.10	0.483943	3.0475	50
11	206	4236	0.12	006	7752	.03	846	6484	1.10	3516	445	49
12	233	4621	6.40		7711			6910	<b>7.0</b> 0			48
13		5005	0.40	94997			878		7.08	3090	415	47
	261		0.00	988	7669		911	7335		2665	385	
14	289	5388	6.39	979	7628		943	7761		2239	356	46
15	316	5772		970	7586		975	8186	7.07	1814	326	45
16	344	6154	6.38	961	7544	.70	33007	8610		1390	296	44
17	372	6537	6.37	952	7503		040	9034		0966	267	43
18	399	6919		943	7461		072	9458		0542	237	42
19	427	7301	6.36	933	7419		104	9882	7.05	0118	208	41
20	31454	9.497682	6.36	94924	9.977377	.70	33136	9.520305	7.05	0.479695	3.0178	40
21	482	8064	6.35	915	7335		169	0728		9272	149	39
22	510	8444	6.34	906	7293		201	1151	7.03	8849	120	38
23	537	8825		897	7251		233	1573		8427	090	37
24	565	9204	6.33	888	7209		266	1995		8005	061	36
												35
25	593	9584	6.32	878	7167		298	2417	7.02	7583	032	
26	620	9963		869	7125		330	2838		7162	003	34
27	648	9.500342	6.31	860	7083		363	3259		6741	2.9974	33
28	675	0721		851	7041		395	3680	7.00	6320	945	32
29	703	1099	6.30	842	6999		427	4100		5900	916	31
30	91790	9.501476	6.29	04000	9.976957	70	22460	9.524520	7.00	0.475480	0.0007	30
	31730		6.29	94832		.70	33460		7.00		2.9887	29
31	758	1854		823	6914		492	4940	6.98	5060	858	28
32	786	2231	6.28	814	6872	.71	524	5359		4641	829	
33	813	2607		805	6830		557	5778		4222	800	27
34	841	2984	6.27	795	6787		589	6197	6.97	3803	772	26
35	868	3360	6.26	786	6745		621	6615		3385	743	25
36	896	3735	0,20	777	6702		654	7033	6.96	2967	714	24
37	923	4110	6.25	768	6660		686	7451	6.95	2549	686	23
38		4485	0.20		6617			7868	0.55	$\frac{2343}{2132}$		22
	951		0.04	758			718				657	21
39	979	4860	6.24	749	6574		751	8285		1715	629	
40	32006	9.505234	6.23	94740	9.976532	.71	33783	9.528702	6.95	0.471298	2,9600	20
41	034	5608		730	6489		816	9119	6.93	0881	572	19
42	061	5981	6.22	721	6446		848	9535		0465	544	18
43	089	6354		712	6404		881	9951	6.92	0049	516	17
44	116	6727	6.21	702	6361		913	9.530366		0.469634	487	16
45	144	7099	6.20	693	6318		945	0781	•	9219	459	15
46	171	7471		684	6275		978	1196		8804	431	14
47	199	7843	6.19	674	6232	.72	34010	1611	6.90	8389	403	13
48	227	8214		665	6189		043	2025		7975	375	12
49	254	8585	6.18	656	6146		075	2439	6.88	7561	347	11
50	32282	9.508956	6.18		9.976103	70	34108	9.532853	6.88		2.9319	10
				94646		.72			0.88			9
51	309	9326	6.17	637	6060		140	3266		6734	291	8
52	337	9696	6.16	627	6017		173	3679		6321	263	
53	364	9.510065		618	5974		205	4092	6.87	5908	235	7
54	392	0434	6.15	609	5930		238	4504	0	5496	208	6
55	419	0803		599	5887		270	4916		5084	180	5
56	447	1172	6.14	590	5844		303	5328	6.85	4672	152	4
57	474	1540	6.13	580	5800		335	5739	0.00	4261	125	- 3
58		1907	0.10					6150		3850	097	2
59	502 529		6 10	571 561	5757 5714		368			3439		ĩ
60		2275 $9.512642$	6.12	561	5714		400	6561 9.536972		0.463028	070 2.9042	
00	32557			94552	9.975670		34433					0
	Nat. Log. Dif.			Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	-
108°		Cosines.			Sines.			angents.		Tange		71°

_			_				-					
19°	27-4	Sines.	Dif	N	Cosines.	TNIA		angents.	Total	Cotang		160°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
0'	32557	9.512642	6.12	94552	9.975670	.73	34433	9.536972	6.84	0.463028	2.9042	60'
$\frac{1}{2}$	584 612	$\frac{3009}{3375}$	6.11	542 533	$5627 \\ 5583$		465 498	$7382 \\ 7792$	6.83	$\frac{2618}{2208}$	015 $2.8987$	59 58
3	639	3741	6.10	- 523	5539		530	8202	6.82	1798	960	57
4	667	4107	6.09	514	5496		563	8611		1389	933	56
5	694	4472		504	5452		596	9020	6.81	0980	905	55
$\frac{6}{7}$	722 749	$\frac{4837}{5202}$	6.08	495 485	$5408 \\ 5365$		628 661	$9429 \\ 9837$	6.80	$0571 \\ 0163$	878 851	54 53
8	777	5566	6.07	476	5321		693	9.540245	0.80	0.459755	824	52
9	804	5930		466	5277		726	0653	6.79	9347	797	51
10	32832	9.516294	6.06	94457	9.975233	.73	34758	9.541061	6.79	0.458939	28770	50
$\begin{array}{c} 11 \\ 12 \end{array}$	859 887	$6657 \\ 7020$	6.05	447 438	$5189 \\ 5145$		791 824	$\frac{1468}{1875}$	6.78	$8532 \\ 8125$	743 716	49 48
13	914	7382	6.04	438	5101		856	2281	6.77	7719	689	47
14	942	7745		418	5057		889	2688		7312	662	46
15	969	8107	6.03	409	5013		922	3094	6.76	6906	636	45
$\begin{array}{c} 16 \\ 17 \end{array}$	997	8468 8829	6.02	399	4969	.74	954	3499	0.55	6501	609	44
18	33024 051	9190	6.01	390 380	$\frac{4925}{4880}$		987 35020	$\frac{3905}{4310}$	6.75	6095 5690	582 556	42
19	079	9551	0.00	370	4836		052	4715	6.74	5285	529	41
20	33106	9.519911	6.00	94361	9.974792	.74	35085	9.545119	6.74	0.454881	2.8502	40
$\begin{array}{c} 21 \\ 22 \end{array}$	134	9.520271		351	4748		118	5524	6.73	4476	476	39 38
23	161 189	$0631 \\ 0990$	5.99	342 332	$\frac{4703}{4659}$		150 183	$5928 \\ 6331$	6.72	$\frac{4072}{3669}$	449 423	37
24	216	1349	5.98	322	4614		216	6735	0.12	3265	397	36
25	244	1707		313	4570		248	7138	6.71	2862	370	35
26	271	2066	5.97	303	4525		281	7540		2460	344	34
$\begin{array}{c} 27 \\ 28 \end{array}$	298 326	$2424 \\ 2781$	5.96	293 284	* 4481 4436		314	$7943 \\ 8345$	6.70	$\begin{array}{c} 2057 \\ 1655 \end{array}$	318 291	33 32
29	353	3138	5.95	274	4391		346 379	8747	6.69	1253	265	31
30	33381	9.523495	5.95	94264	9.974347	.75	35412	9.549149	6.69	0.450851	2,8239	30
31	408	3852	5.94	254	4302		445	9550	6.68	0450	213	29
$\frac{32}{33}$	436 463	$\frac{4208}{4564}$	5.93	245 235	$\frac{4257}{4212}$		477	9951 $9.550352$	e e=	$0049 \\ 0.449648$	187 161	$\frac{28}{27}$
34	490	4920	9,93	235	4167		510 543	0752	6.67	9248	135	26
35	518	5275	5.92	215	4122		576	1153	6.66	8847	109	25
36	545	5630	5.91	206	4077		608	1552		8448	083	24
37 38	573	598 <b>4</b> 6339		196	$\frac{4032}{3987}$		641	$1952 \\ 2351$	6.65	$8048 \\ 7649$	057	$\frac{23}{22}$
39	600 627	6693	5.90	186 176	3942		674 707	$\frac{2551}{2750}$		$7049 \\ 7250$	032 006	21
40	33655	9.527046	5.90	94167	9.973897	.75	35740	9.553149	6.64	0.446851	2,7980	20
41	682	7400	5.89	157	3852	•••	772	3548		6452	955	19
42	710	7753 8105	F 00	147	3807		805	3946	6.63	6054 5656	929	18 17
44	737 764	8458	5.88	137 127	$\frac{3761}{3716}$		838 871	$\frac{4344}{4741}$	6.62	$\frac{5656}{5259}$	903 878	16
45	792	8810	5.87	118	3671	.76	904	5139		4861	852	15
46	819	9161		108	3625		937	5536	6.61	4464	827	14
47 48	846 87.1	9513	5.86	098	3580 2525		969	5933 6220	0.00	$\frac{4067}{2671}$	801	13 12
49	901	9864 $9.530215$	5.85	088 078	3535 3489		36002 035	$6329 \\ 6725$	6.60	$\begin{array}{c} 3671 \\ 3275 \end{array}$	776   751	11
50	33929	9.530565	5.85	94068	9.973444	.76	36068	9.557121	6.59	0.442879	2,7725	10
51	956	0915	5.84	058	3398		101	7517	00	2483	700	9
$\frac{52}{53}$	983	$\frac{1265}{1614}$	# 00	049	3352		134	7913	0.50	2087	675	8 7
54	34011 038	$1614 \\ 1963$	5.83 5.82	039 029	$\frac{3307}{3261}$		167 199	$8308 \\ 8703$	6.58	$1692 \\ 1297$	650 625	6
55	065	2312		019	3215		232	9097	6.57	0903	600	5
56	093	2661	5.81	009	3169		265	9491		0509	575	4
57 58	120	3009	F 00	93999	3124		298	9885	6.56	0115	550	3 1
59	147 175	$\frac{3357}{3704}$	5.80 5.79	989 979	$\frac{3078}{3032}$	.77	331 364	$9.560279 \\ 0673$	6.55	$0.439721 \\ 9327$	525 500	1
60	34202	9.534052		93969	9.972986	-	36397	9.561066		0.438934	2.7475	0
109°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	700
109	Nat. Log. Dif. Cosines.				Sines.		Cot	angents.		Tange	nts.	70°
		Cosines.										

40 .		1						011011				
20°	57	Sines.	D:4		Cosines.	7016		angents.	214	Cotange		159°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
0'	34202	9.534052	5.78	93969	9.972986	.77	36397	9.561066	6.55	0.438934	2.7475	60'
1	229	4399	5.77	959	2940		430	1459	6.54	8541	450	59
$\frac{2}{3}$	257	4745		949	2894		463	$1851 \\ 2244$	0.50	8149	425	58
4	284 311	$5092 \\ 5438$	5.76	939 929	$2848 \\ 2802$		496 529	$\frac{2244}{2636}$	6.53	$\begin{array}{c} 7756 \\ 7364 \end{array}$	400 376	57 56
			3.1,0									55
$\frac{5}{6}$	339 366	$\frac{5783}{6129}$	5.75	919 909	$2755 \\ 2709$		562 595	$\frac{3028}{3419}$	6.52	$6972 \\ 6581$	351 326	54
7	393	6474	5.74	899	2663		628	3811	0.02	6189	302	53
8	421	6818		889	2617		661	4202	6.51	5798	277	52
9	448	7163	5.73	879	2570		694	4593		5407	253	51
10	34475	9.537507	5.73	93869	9.972524	.77	36727	9.564983	6.50	0.435017	2.7228	50
11	503	7851	5.72	859	2478		760	5373		4627	204	49
$\frac{12}{13}$	530	8194		849	2431		793	5763	6.49	4237	179	48 47
14	557 584	8538 8880	5.71	839 829	$\frac{2385}{2338}$	.78	826 859	$6153 \\ 6542$		$\frac{3847}{3458}$	155 130	46
									0.40	3068		45
15 16	612 639	$9223 \\ 9565$	5.70	819 809	$\frac{2291}{2245}$		892 925	$6932 \\ 7320$	6.48	2680	106 082	44
17	666	9907	5.69	799	$\frac{2243}{2198}$		958	7709	6.47	$\frac{2000}{2291}$	058	43
18	694	9.540249	0.00	789	2151		991	8098		1902	034	42
19	721	0590	5.68	779	2105		37024	8486	6.46	1514	009	41
20	34748	9.540931	5.68	93769	9.972058	.78	37057	9.568873	6.46	0.431127	2.6985	40
21	775	1272	5.67	759	2011		090	9261	6.45	0739	961	39
22	803	1613		748	1964		123	9648		0352	937	$\begin{array}{c} 38 \\ 37 \end{array}$
$\begin{array}{c} 23 \\ 24 \end{array}$	830	$\begin{array}{c} 1953 \\ 2293 \end{array}$	5.66	738	1917 1870		157 190	$9.570035 \\ 0422$	6.44	$0.429965 \\ 9578$	913 889	36
	857			728					0.44			35
$\begin{array}{c} 25 \\ 26 \end{array}$	884	$2632 \\ 2971$	5.65	718 708	$\frac{1823}{1776}$		223 256	$0809 \\ 1195$	6.43	$9191 \\ 8805$	865 841	34
27	912 939	3310	5.64	698	1729		289	1581	0.40	8419	818	33
28	966	3649	0.01	688	1682	.79	322	1967	6.42	8033	794	32
29	993	3987	5.63	677	1635		355	2352		7648	770	31
30	35021	9.544325	5.63	93667	9.971588	.79	37388	9.572738	6.42	0.427262	2.6746	30
31	048	4663	5.62	657	1540		422	3123	6.41	6877	723	29
32	075	5000		647	1493		455	3507		6493	699	$\begin{array}{c} 28 \\ 27 \end{array}$
33 34	102	$5338 \\ 5674$	5.61	637	$\frac{1446}{1398}$		488 521	$\frac{3892}{4276}$	6.40	$6108 \\ 5724$	675 652	26
	130	,		626					0.00	5340		25
35 36	157	$6011 \\ 6347$	5.60	616 606	1351 1303		554 588	$\frac{4660}{5044}$	6.39	4956	628 605	24
37	184 211	6683	5.59	596	1256		621	5427		4573	581	23
38	239	7019	0.00	585	1208		654	5810	6.38	4190	558	22
39	266	7354	5.58	· 575	1161		687	6193		3807	534	21
40	35293	9.547689	5.58	93565	9.971113	.79	37720	9.576576	6.37	0.423424	2.6511	20
41	320	8024	5.57	- 555	1066	.80	754	6959		3041	488	19
42	347	8359		544	1018		787	7341	6.36	2659	464	18 17
43 44	375	· 8693 9027	5.56	534	$0970 \\ 0922$		820 853	$7723 \\ 8104$		$\begin{array}{c} 2277 \\ 1896 \end{array}$	441 418	16
	402			524					a 05			15
45 46	429	9360 9693	5.55	514	$0874 \\ 0827$		887 920	8486 8867	6.35	$1514 \\ 1133$	395 371	14
47	456 484	9.550026	5.54	503 493	0779		953	9248	6.34	0752	348	13
48	511	0359	J,J1	483	0731		986	9629		0371	325	12
49	538	0692	5.53	472	0683		38020	9.580009		0.419991	302	11
50	35565	9.551024	5.53	93462	9.970635	.80	38053	9.580389	6.33	0.419611	2.6279	10
51	592	1356	5.52	452	0586		086	0769		9231	256	9
52	619	1687		441	0538		120	1149	6.32	8851	233	8 7
53 54	647	2018	p =4	431	0490	•	153	$1528 \\ 1907$	,	$\begin{array}{c} 8472 \\ 8093 \end{array}$	210 187	6
	674	2349	5.51	420	0442		186					5
55 56	701	$\frac{2680}{3010}$	E E0	410	$0394 \\ 0345$	.81	220 253	$\frac{2286}{2665}$	6.31	$\begin{array}{c} 7714 \\ 7335 \end{array}$	165 142	4
57	728 755	3341	5.50	400 389	0297	.81	286	3044	6.30	6956	119	3
58	782	3670	5.49	379	0249		320	3422		6578	096	2
59	810	4000		368	0200		353	3800	6.29	6200	074	1
60	35837	9.554329		93358	9.970152		38386	9.584177		0.415823	2.6051	0
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	000
110°		Cosines.	1/11+	Tiat.	Sines.			angents.		Tange		69°
		Cosmes.		1	Silles.		1 000	angents.		Lange		Ĭ

						-					-	-
21°		Sines.	7114	-	Cosines.	7114		ingents.	75.14	Cotang		158°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
0'	35837	9.554329	5.48	93358	9.970152	.81	38386	9.584177	6.29	0.415823	2.6051	60'
1	864	4658		348	0103		420	4555		5445	028	59
2	891	4987	5.47	337	0055		453	4932	6.28	5068	006	58
3 4	918	5315 5643	E 10	327 316	0006 $9.969957$		487 520	5309 5686	6 97	$\frac{4691}{4314}$	2.5983 $961$	57 56
	945		5.46						6.27			
5 6	973	$5971 \\ 6299$	r (r	306 295	9909 9860		553 587	$6062 \\ 6439$		$3938 \\ 3561$	938 916	$\frac{55}{54}$
7	36000 027	6626	5.45	285	9811		620	6815	6.26	3185	893	53
8	054	6953	5.44	274	9762		654	7190	0.20	2810	871	52
9	081	7280		264	9714		687	7566	6.25	2434	848	51
10	36108	9.557606	5.43	93253	9.969665	.81	38721	9.587941	6.25	0.412059	2.5826	50
11	135	7932		243	9616	.82	754	8316		1684	804	49
12	162	8258		232	9567		787	8691	6.24	1309	782	48
13 14	190	8583 8909	5.42	222	9518 9469		821 854	$9066 \\ 9440$	6.23	$0934 \\ 0560$	759 737	47 46
	217			211					0.20			45
15 16	244 271	$9234 \\ 9558$	5.41	201 190	$9420 \\ 9370$		888 921	9814 $9.590188$		$0186 \\ 0.409812$	715 693	44
17	298	9883	5.40	180	9321		955	0562	6.22	9438	671	43
18	325	9.560207	0.10	169	9272		988	0935	0.22	9065	649	42
19	352	0531	5.39	159	9223		39022	1308		8692	627	41
20	36379	9.560855	5.39	93148	9.969173	.82	39055	9.591681	6.21	0.408319	2,5605	40
21	406	1178	5.38	137	9124		089	2054		7946	583	39
22	434	1501		127	9075		122	2426	6.20		561	38
23	461	1824	5.37	116	9025		156	2799	0.10	7201	539	37 36
24	488	2146		106	8976		190	3171	6.19	6829	517	35
$\begin{array}{c} 25 \\ 26 \end{array}$	515	$\frac{2468}{2790}$	5.36	095 084	8926 8877	.83.	223	$3542 \\ 3914$	6.18	$6458 \\ 6086$	495 473	34
27	542 569	$\frac{2790}{3112}$		074	8827		257 290	$\frac{3314}{4285}$	0.18	5715	452	33
28	596	3433	5.35	063	8777		324	4656		5344	430	32
29	623	3755		052	8728		357	5027		4973	408	31
30	36650	9.564075	5.34	93042	9.968678	.83	39391	9.595398	6.17	0.404602	2.5386	30
31	677	4396		031	8628		425	5768		4232	365	29
32	704	4716	5.33	020	8578		458	6138	6.16		343	$\frac{28}{27}$
$\frac{33}{34}$	731 758	5036 5356	5.32	92999	$8528 \\ 8479$		492 526	$6508 \\ 6878$		$\frac{3492}{3122}$	322 300	26
35	ı	5676	0.02	l .	8429		l	7247	6.15	2753	279	25
36	785 812	5995	5.31	988 978	8379		559 593	7616	6.15	2384	257	24
37	839	6314	0.01	967	8329		626	7985		2015	236	23
38	867	6632		956	8278		660	8354	6.14	1646	214	22
39	894	6951	5.30	945	8228	.84	694	8722		1278	193	21
40	36921	9.567269	5.30	92935	9.968178	.84	39727	9.599091	6.13		2.5172	20
41	948	7587	5.29	924	* 8128		761	9459		0541	150	19 18
42 43	975	7904	F 00	913	8078 8027		795	9827 $9.600194$	C 10	$0173 \\ 0.399806$	· 129	17
44	37002 029	$8222 \\ 8539$	5.28	902 892	7977		829 862	0562	6.12	9438	086	16
45	ı	8856			7927			0929	6.11	9071	065	15
46	056 083	9172	5.27	881 870	7876		896 930	1296	0.11	8704	044	14
47	110	9488	0.21	859	7826		963	1663		8337	023	13
48	137	9804	5.26	849	7775		997	2029	6.10	7971	002	12
49	164	9.570120		838	7725		40031	2395		7605	2.4981	11
50	37191	9.570435	5,25	92827	9.967674	.84	40065	9.602761	6.10	0.397239	2.4960	10
51	218	0751		816	7624		098	3127	6.09	6873	939	8
$\begin{array}{c} 52 \\ 53 \end{array}$	245	$\frac{1066}{1380}$	5.24	805 794	$7573 \\ 7522$	.85	132 166	$\frac{3493}{3858}$		$\begin{array}{c} 6507 \\ 6142 \end{array}$	918 897	7
$\frac{55}{54}$	272 299	1695	5.23	784	7471	.69%	200	$\begin{array}{c} 3000 \\ 4223 \end{array}$	6.08	5777	876	6
55	326	2009	0.20	773	7421		234	4588		5412	855	5
56	353	$\frac{2009}{2323}$		762	7370		267	4953	6.07	5047	834	4
57	380	2636	5.22	751	7319		301	5317		4683	813	3
58	407	2950		740	7268		335	5682		4318	792	2
59	434	3263	5.21	729	7217		369	6046	6.06	3954	772	1
60	37461	9.573575		92718	9.967166		40403	9,606410		0.393590	2.4751	0
111°	Nat.		Dif.	Nat.		Dif.	Nat.		Dif.	Log.	Nat.	68°
	Cosines.			1	Sines.		Cot	angents.		Tange	nts.	1

		~										
22°	Nat.	Sines.	Dif.	Nat.	Log.	Dif.	Ta Nat.	Log.	Dif.	Log.	Nat.	157°
	Ivat.	nog.	Dir.	l Nat.		Dii.	I Nat.	Log.	υп.	1.0g.	Nat.	
0'	37461	9.573575	5.21	92718	9.967166	.85	40403	9.606410	6.06	0.393590	2.4751	60'
$\begin{array}{c} 1 \\ 2 \end{array}$	488 515	$\frac{3888}{4200}$	5.20	707 697	$7115 \\ 7064$		436 470	6773 7137	6.05	$\frac{3227}{2863}$	730 709	59 58
$\tilde{3}$	542	4512	5.19	686	7013		504	7500	0.00	$\frac{2500}{2500}$	689	57
4	569	4824		675	6961		538	7863	6.04	2137	668	56
5	595	5136		664	6910		572	8225		1775	648	55
6	622	5447	5.18	653	6859		606	8588		1412	627	54
7	649	5758		642	6808		640	8950	6.03	1050	606	53
$\frac{8}{9}$	676	6069	5.17	631	6756	.86	674	9312		0688	586	52
	703	6379		620	6705		707	9674		0326	566	51
10 11	37730	9.576689 6999	5.16	92609	9.966653 $6602$	.86	40741	9.610036 $0397$	6.02	0.389964 $9603$	2.4545	<b>50</b> 49
12	757 784	7309		598 587	6550		775 809	0759		9241	525 $504$	48
13	811	7618	5.15	576	6499		843	1120	6.01	8880	484	47
14	838	7927		565	6447		877	1480		8520	464	46
15	865	8236	5.14	554	6395		911	1841		8159	443	45
16	892	8545		543	6344		945	2201	6.00	7799	423	44
17	919	8853	5.13	532	6292		979	2561		7439	403	43
18 19	946	$9162 \\ 9470$		521	6240		41013	2921	= 00	7079 6710	383	42
	973		<b>.</b>	510	6188		047	3281	5.99	6719	362	
20 21	37999 38026	9.579777 9.580085	5.12	92499 488	$9.966136 \\ 6085$	.86	41081 115	9.613641 4000	5.99 5.98	0.386359 $6000$	$\frac{2.4342}{322}$	<b>40</b> 39
22	053	0392	5.11	477	6033		149	4359	9.90	5641	302	38
23	080	0699		466	5981		183	4718		5282	282	37
24	107	1005		455	5929		217	5077	5.97	4923	262	36
25	134	1312	5.10	444	5876		251	5435		4565	242	35
26	161	1618		432	5824		285	5793		4207	222	34
27	188	1924	5.09	421	5772		319	6151	5.96	3849	202	33
28 29	215 241	$\frac{2229}{2535}$		410 399	5720 5668		353	6509 6867		$\frac{3491}{3133}$	182 162	$\frac{32}{31}$
			<b>*</b> 00				387					30
30 31	38268 295	9.582840 $3145$	5.08	92388	9.965615 5563	.87	41421 455	$\begin{array}{c} 9.617224 \\ 7582 \end{array}$	5.95	$0.382776 \\ 2418$	2.4142 122	29
32	322	3449	5.07	366	5511		490	7939		2061	102	28
- 33	349	3754		355	5458		524	8295	5.94	-1705	083	27
34	376	4058	5.06	343	5406		558	8652		1348	063	26
35	403	4361		332	5353	.88	592	9008		0992	043	25
36	430	4665		321	5301		626	9364	5.93	0636	023	24
37 38	456 483	$\frac{4968}{5272}$	5.05	310 299	$5248 \\ 5195$		660	$9720 \\ 9.620076$		$0280 \\ 0.379924$	004 $2.3984$	$\begin{array}{c c} 23 \\ 22 \end{array}$
39	510	5574	5.04	287	5133		694 728	0432	5.92	9568	964	21
40	38537	9.585877	5.04	92276	9.965090	.88	41763	9.620787	5.92	0.379213	2.3945	20
41	564	6179	5.03	265	5037	•00	797	1142	0.04	8858	925	19
42	591	6482		254	4984		831	1497	5,91	8503	906	18
43	617	6783		243	4931		865	1852		8148	886	17
44	644	7085	5.02	231	4879		899	2207	5.90	7793	867	16
45	671	7386	<b>.</b>	220	4826		933	2561		7439	847	15 14
$\begin{array}{c c} 46 \\ 47 \end{array}$	698 $725$	$7688 \\ 7989$	5.01	209 198	4773 4720		968 42002	$\frac{2915}{3269}$	5.89	$7085 \\ 6731$	828 808	13
48	752	8289		186	4666	.89	42002 036	3623	9.69	6377	789	12
49	778	8590	5.00	175	4613		070	3976		6024	770	11
50	38805	9.588890	5.00	92164	9.964560	.89	42105	9.624330	5.88	0.375670	2.3750	10
51	832	9190	4.99	152	4507		139	4683		5317	731	9
52	859	9489		141	4454		173	5036	_	4964	712	8
$\begin{array}{c c} 53 \\ 54 \end{array}$	886 912	9789 $9.590088$	100	130	4400		207	5388 5741	5.87	4612	693	$\frac{7}{6}$
1			4.98	119	4347		242	5741	-	4259	673	5
55 56	939 966	$0387 \\ 0686$	4.97	107 096	$\frac{4294}{4240}$		276	$6093 \\ 6445$	5.86	3907 3555	654 635	4
57	993	0984	T.01	085	4187		310 345	6797	0.00	3203	616	3
58	39020	1282		073	4133		379	7149		2851	597	2
59	046	1580	4.96	062	4080		413	7501	5.85	2499	578	1
60	39073	9.591878		92050	9.964026		42447	9.627852		0.372148	2.3559	0
112°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	67°
~		Cosines.			Sines.		Cota	angents.		Tanger	nts.	0.

23°	37-4	Sines.	TYLE	NT-4	Cosines.	Dif		angents.	TOLE	Cotang		156°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
0'	39073	9.591878	4.96	92050	9.964026	.89	42447	9.627852	5.85	0.372148	2.3559	607
1	100	2176	4.95	039	3972		482	8203		1797	539	59
$\frac{2}{3}$	127	$\frac{2473}{2770}$		028	$\frac{3919}{3865}$	00	516	8554	F 04	$\frac{1446}{1095}$	520	58 57
4	153 180	3067	4.94	016 005	3811	.90	551 585	$8905 \\ 9255$	5.84	0745	502 483	56
5	207	3363	1.01	91994	3757		619	9606	5.83	0394	464	55
6	234	3659	4.93	982	3704		654	9956	0.00	0044	445	54
7	260	3955	1.00	971	3650		688	9.630306		0.369694	426	53
8	287	4251		959	3596		722	0656		9344	407	52
9	314	4547	4.92	948	3542		757	1005	5.82	8995	388	51
10	39341	9.594842	4.92	91936	9.963488	.90	42791	9.631355	5.82	0.368645	2.3369	50
11	367	5137	4.91	925	3434		826	1704		8296	351	49
$\frac{12}{13}$	394	$5432 \\ 5727$		914 902	$\frac{3379}{3325}$		860	$2053 \\ 2402$	5.81	7947 7598	332	48 47
14	421 448	6021	4.90	891	$\frac{3325}{3271}$		894 929	$\frac{2402}{2750}$		7250	313 294	46
15	474	6315	1.00		3217			3099	5.80	6901	276	45
16	501	6609	4.89	879 868	3163		963 998	3447	5.80	6553	276	44
17	528	6903	1,00	856	3108	.91	43032	3795		6205	238	43
18	555	-7196		845	3054		067	4143	5.79	5857	220	42
19	581	7490	4.88	833	2999		101	4490		5510	201	41
20	39608	9.597783	4.88	91822	9.962945	.91	43136	9.634838	5.79	0.365162	2.3183	40
21	635	8075	4.87	810	2890		170	5185	5.78	4815	164	39
$\begin{array}{c} 22 \\ 23 \end{array}$	661	8368		799	$2836 \\ 2781$		205	5532		4468	146	38 37
24	688 715	$8660 \\ 8952$	4.86	787 775	$\begin{array}{c} 2781 \\ 2727 \end{array}$		239 274	$   \begin{array}{r}     5879 \\     6226   \end{array} $	5.77	$\frac{4121}{3774}$	127 109	36
25		9244	4.00		2672		i		0.11	3428		35
26	741 768	9536	4.85	764 752	2617		308 343	$6572 \\ 6919$		3081	090 072	34
27	795	9827	7.00	741	2562		378	7265		2735	053	33
28	822	9.600118		729	2508		412	7611	5.76	2389	035	32
29	848	0409	4.84	718	2453		447	7956		2044	017	31
30	39875	9.600700	4.84	91706	9.962398	.92	43481	9.638302	5.76	0.361698	2.2998	30
31	902	0990		694	2343		516	8647	5.75	1353	980	29
32 33	928	1280	4.83	683	2288		550	8992		1008	962	$\frac{28}{27}$
34	955 982	$1570 \\ 1860$	4.82	671 660	$\frac{2233}{2178}$		585 620	9337 • 9682	5.74	$0663 \\ 0318$	944 925	26
35			T.02						0.11	0.359973		25
36	40008 035	$2150 \\ 2439$		648 636	$\frac{2123}{2067}$		654 689	$9.640027 \\ 0371$		9629	907 889	$\frac{23}{24}$
37	062	2728	4.81	625	2012		724	0716	5.73	9284	871	23
38	088	3017		613	1957		758	1060		8940	853	22
39 .	115	3305		- 601	1902		793	1404		8596	835	21
40	40141	9.603594	4.80	91590	9.961846	.92	43828	9.641747	5.72	0.358253	2.2817	20
41	168	3882		578	1791		862	2091		7909	799	19
42 43	195	4170	4.79	566	1735		897	2434		7566	781	18 17
44	221 248	4457 4745		555 543	$1680 \\ 1624$	.93	932 966	$\begin{array}{c} 2777 \\ 3120 \end{array}$	5.71	$\frac{7223}{6880}$	763 745	16
45	275	5032	4.78		1569	.00		3463	0.11	6537	727	15
46	301	5319	4.40	531 519	1513		44001 036	3806		6194	709	14
47	328	5606		508	1458		071	4148	5.70	5852	691	13
48	355	5892	4.77	496	1402		105	4490		5510	673	12
49	381	6179		484	1346		140	4832		5168	655	11
50	40408	9.606465	4.76	91472	0.961290	.93	44175	9.645174	5.69	0.354826	2.2637	10
51	434	6751		461	1235		210	5516		4484	620	9
$\frac{52}{53}$	461 488	$7036 \\ 7322$	4.75	449	$\frac{1179}{1123}$		244	5857 6100		$\frac{4143}{3801}$	602 584	8 7
54	514	7607	4.75	437 425	1067		279 314	$6199 \\ 6540$	5.68	$\frac{3801}{3460}$	566	6
55	541	7892	4.74	414	1011		349	6881	0.00	3119	549	5
56	567	8177	4.14	402	0955		349	7222		$\frac{3119}{2778}$	531	4
57	594	8461		390	0899		418	7562	5.67	2438	513	3
58	621	8745	4.73	378	0843	.94	453	7903		2097	496	2
59	647	9029		366	0786		488	8243		1757	478	1
60	40674	9.609313		91355	9.960730		44523	9.648583		0.351417	2.2460	0
113°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	66°
		Cosines.		l	Sines.		Cot	angents.		Tange	nts.	

		Sines.	-		Cosines.		То	ngents.		Cotang	ents	
24°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	155°
!	Tiat.	Logi	1711.	Mat.	nog.	ъп.	21/416.	110g.	<i>D</i> 11.	Log.	Mat.	
0'	40674	9.609313	4.73	91355	9.960730	.94	44523	9.648583	5.66	0.351417	2.2460	60'
1	700	9597	4.72	343	0674		558	8923		1077	443	59
2	727	9880		331	0618		593	9263		0737	425	58
$\frac{3}{4}$	753 780	$9.610164 \\ 0447$	4.71	319 307	$0561 \\ 0505$		627 662	$9602 \\ 9942$	5.65	$0398 \\ 0058$	408 390	57 56
			4.41	1					5.65			
$\frac{5}{6}$	806	$0729 \\ 1012$	4.70	295 283	$0448 \\ 0392$		697	$9.650281 \\ 0620$		0.349719 $9380$	373	55 54
7	833 860	$\frac{1012}{1294}$	4.70	283	0335		732 767	0959	5.64	9041	355 338	53
8	886	1576		260	0279		802	$\frac{0303}{1297}$	0.01	8703	320	$\frac{55}{52}$
9	913	1858	4.69	248	0222		837	1636		8364	303	51
10	40939	9.612140	4.69	91236	9.960165	.94	44872	9.651974	5.63	0.348026	2.2286	50
11	966	2421		224	0109	.95	907	2312		7688	268	49
12	992	2702	4.68	212	0052		942	2650		7350	251	48
13	41019	2983		200	9.959995		977	2988		7012	234	47
14	045	3264	4.67	188	9938		45012	3326	5.62	6674	216	46
15	072	3545	,	176	9882		047	3663		6337	199	45
16	098	3825	4.00	164	9825		082	4000		6000	182	44 43
17 18	125	$\frac{4105}{4385}$	4.66	152	$9768 \\ 9711$		117	$\frac{4337}{4674}$	5.61	5663 5326	165	43
19	151 178	4665		140 128	9654		152 187	5011		4989	148 130	41
20		9.614944	4.05		9.959596	05	45222		F 01			40
$\frac{20}{21}$	41204 231	5223	4.65	91116 104	9.9539	.95	45222 257	$9.655348 \\ 5684$	5.61 5.60	$0.344652 \\ 4316$	2.2113 096	39
$\frac{21}{22}$	257	5502		092	9482		292	6020	0.00	3980	079	38
23	284	5781	4.64	080	9425		327	6356		3644	062	37
24	310	6060		- 068	9368		362	6692	5.59	3308	045	36
25	337	6338		056	9310	.96	397	7028		2972	028	35
26	363	6616	4.63	044	9253		432	7364		2636	011	34
27	390	6894		032	9195		467	7699		2301	2.1994	33
28	416	7172	4.62	020	9138		502	8034	5.58	1966	977	32 31
29	443	7450		008	9080		538	8369		1631	960	
30	41469	9.617727	4.62	90996	9.959023	.96	45573	9.658704	5.58	0.341296	2.1943	<b>30</b> 29
$\begin{array}{c} 31 \\ 32 \end{array}$	496 522	8004 8281	4.61	984	8965 8908		608	$9039 \\ 9373$	5.57	$0961 \\ 0627$	926 909	28
33	549	8558		972 960	8850		643 678	9708	0.01	0292	892	27
34	575	8834	4.60	948	*8792		713	9.660042		0.339958	876	26
35	602	9110		936	8734		748	0376		9624	859	25
36	628	9386		924	8677		784	0710	5.56	9290	842	24
37	655	9662	4.59	911	8619		819	1043	0.00	8957	825	23
38	681	9938		899	8561		854	1377		8623	808	22
39	707	9.620213		887	8503	.97	- 889	1710	5.55	8290	792	21
40	41734	9.620448	4.58	90875	9.958445	.97	45924	9.662043	5.55	0.337957	2.1775	20
41	760	0763		863	8387		960	2376		7624	758	19
42	787	1038	4.57	851	8329		995	2709	5.54	7291	742	18
43 44	813 840	$\frac{1313}{1587}$		839 826	$8271 \\ 8213$		46030 065	$\frac{3042}{3375}$		$6958 \\ 6625$	725 708	17 16
							1					15
45 46	866	$\frac{1861}{2135}$	4.56	814	8154 8096		101	$\frac{3707}{4039}$	5,53	$\begin{array}{c} 6293 \\ 5961 \end{array}$	692 675	14
46	892 919	$\frac{2155}{2409}$		802 790	8038		136 171	4371	0.03	5629	659	13
48	945	2682	4.55	778	7979		206	4703		5297	642	12
49	972	2956		766	7921		242	5035		4965	625	11
50	41998	9.623229	4.55	90753	9.957863	.97	46277	9.665366	5.52	0.334634	2.1609°	10
51	42024	3502	4.54	741	7804	,.,	312	5698		4302	592	9
52	051	3774		729	7746	.98	348	6029		3971	576	8
53	077	4047		717	7687		383	6360	5.51	3640	560	7 6
54	104	4319	4.53	704	7628		418	6691		3309	543	
55	130	4591		692	7570		454	7021		2979	527	5 4
56 57	156	$\frac{4863}{5135}$	4 80	680	7511 7459		489	$\begin{array}{c} 7352 \\ 7682 \end{array}$	E =0	$2648 \\ 2318$	510 494	3
58	183 209	5406	4.52	668 655	$7452 \\ 7393$		525 560	8013	5.50	1987	478	2
59	235	5677		643	7335		595	8343		1657	461	1
60	42262	9.625948		90631	9.957276		46631	9.668673		0.331327	2.1445	.0
			TO:-			70.0	}		T. · ·			
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	40
114°	-	Cosines.			Sines.			angents.		Tange		65°

25°					Cosines.		T	angents.		Cotang	ents.	
-	Nat.	Sines.	Dif.	Nat.	Log.	Dif.	Nat.		Dif.	Log.	Nat.	154°
0.1										0.001007	0.444	1 001
0' 1	42262 288	$9.625948 \\ 6219$	4.51	90631 618	$9.957276 \\ 7217$	.98	46631 666	9.668673 $9002$	5.50 $5.49$	$0.331327 \\ 0998$	2.1445 $429$	<b>60′</b> 59
2	315	6490		606	7158		702	9332	0.10	0668	413	58
3	341	6760	4.50	594	7099		737	9661		0339	396	57
4	367	7030		- 582	7040		773	9991	5.48	0009	380	56
5	394	7300		569	6981		808	9.670320		0.329680	364	55
6	420	7570	4.49	557	6921	.99	843	0649		9351	348	54
7	446	7840		545	6862		879	0977	- 45	$9023 \\ 8694$	332	53 52
8 9	473 499	8109 8378	4.48	532 520	$6803 \\ 6744$		914 950	$\frac{1306}{1635}$	5.47	8365	315 299	51
10					9.956684	00	ı		F 45	0.328037		50
11	42525 552	$9.628647 \\ 8916$	4.48	90507 495	6625	.99	46985 47021	9.671963 $2291$	5.47	7709	2.1283 $267$	49
12	578	9185	1.11	483	6566		056	2619	5.46	7381	251	48
13	604	9453		470	6506		092	2947		7053	235	47
14	631	9721	4.46	458	6447		128	3274		6726	219	46
15	657	9989		446	6387		163	3602		6398	203	45
16	683	9.630257		433	6327		199	3929	5.45	6071	187	44
17	709	0524		421	6268		234	4257		5743	171	43 42
18 19	736 762	$0792 \\ 1059$	4.45	408 396	$6208 \\ 6148$	1.00	270 305	$4584 \\ 4911$	5.44	$5416 \\ 5089$	155 139	41
20			4.45			4.00				0.324763		40
21	42788 815	9.631326 $1593$	4.45 4.44	90383 371	$9.956089 \\ 6029$	1.00	47341 377	$9.675237 \\ 5564$	5.44	4436	2.1123 $107$	39
22	841	1859	4.44	358	5969		412	5890		4110	092	38
23	867	2125		346	5909		448	6217	5.43	3783	076	37
24	894	2392	4.43	334	5849		483	6543		3457	060	36
25	920	2658		321	5789		519	6869		3131	044	35
26	946	2923		309	5729		555	7194		2806	028	34
27	972	3189	4.42	296	5669		590	7520	5.42	2480	013	33
28 29	999 43025	$3454 \\ 3719$		284 271	$5609 \\ 5548$		626 662	$7846 \\ 8171$		$\frac{2154}{1829}$	2.0997 $981$	$\begin{array}{c} 32 \\ 31 \end{array}$
30			1.44			1.00			F 40	0.321504		30
31	43051 077	9.633984 $4249$	4.41	90259	$9.955488 \\ 5428$	1.00	47698 733	$9.678496 \\ 8821$	5.42 $5.41$	1179	2.0965 950	29
32 -	104	4514	4.40	233	5368	1.01	769	9146	0.11	0854	934	28
33	130	4778		221	5307		805	9471		0529	918	27
34	156	5042		208	5247		841	9795		0205	903	26
35	182	5306	4.39	196	5186		876	9.680120	5.40		887	25
36	209	5570		183	5126		912	0444		9556	872	24
37 38	235	5834	4.00	171	5065		948	0768		$\frac{9232}{8908}$	856	$\frac{23}{22}$
39	261 287	6097 6360	4.38	158 146	5005 4944		984 48019	$\begin{array}{c} 1092 \\ 1416 \end{array}$	5.39	8584	840 825	21
40	43313	9.636623	4.90		9.954883	1.01		9.681740	5.39	0.318260	2,0809	20
41	340	6886	4.38 4.37	90133 120	4823	1.01	48055 091	2063	9.39	7937	794	19
42 43	366	7148	1.01	108	4762		127	2387		7613	778	18
	392	7411		095	4701		163	2710	5.38	7290	763	17
44	418	7673		082	4640		198	3033		6967	748	16
45	445	7935	4.36	070	4579		234	3356		6644	732	15
46	471	8197		057	4518	02	270	3679		6321	717	14
47 48	497 523	8458 8720	4.0**	045	$\frac{4457}{4396}$		306	$\frac{4001}{4324}$	5.37	5999 5676	701 686	13 12
49	523 549	8981	4.35	032 019	$\frac{4396}{4335}$		342 378	4646		$5676 \\ 5354$	686 671	11
50	43575	9.639242	4.35	90007	9.954274	1.02	48414	9.684968	5.37	0.315032	2,0655	10
51	602	9503	4.34	89994	4213	1.02	48414	5290	5.36	4710	640	9
52	628	9764		981	4152		486	5612		4388	625	8
53	654	9.640024		968	4090		521	5934		4066	609	7
54	680	0284	4.33	956	4029		557	6255		3745	594	6
55 56	706	0544		943	3968		593	6577	5.35	3423	579	5
56 57	733	$0804 \\ 1064$	4 90	930	3906		629	6898		$\frac{3102}{2781}$	564 5.10	$\frac{4}{3}$
58	759 785	1324	4.32	918 905	3845 3783		665 701	$7219 \\ 7540$		$\frac{2781}{2460}$	549 533	2
59	811	1583		892	3722	1.03	737	7861	5.34	2139	518	1
60		9.641842			9.953660			9.688182		0.311818	2.0503	0
115°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	64°
		Cosines.			Sines.	_	Cot	angents.		Tange	nts.	UI

_					~ .							
26°	Nat.	Sines.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Cotang	Nat.	153°
ļ	I Ivai.	Log.	.on.	I Mat.	Log.	Dit.	l Mat.	Log.	DII.	Log.	Ivat.	
0'	43837	9.641842	4.31	89879	9.953660	1.03	48773	9.688182	5.34		2.0503	60'
$\frac{1}{2}$	863 889	2101 2360		867	3599 3537		809	8502 8823		$\frac{1498}{1177}$	488	59 58
3	916	2618	4.30	854 841	3475		845 881	9143	5.33	0857	473 458	57
4	942	2877		828	3413		917	9463	0.00	0537	443	56
5	968	3135		816	3352		953	9783		0217	428	55
6	994	3393		803	3290		989	9.690103		0.309897	413	54
7	44020	3650	4.29	790	3228		49026	0423		9577	398	53
8	046	3908		777	3166		062	0742	5.32	9258	383	52
9	072	4165		764	3104		098	1062		8938	368	51
10	44098	9.644423	4.28	89752	9.953042	1.03	49134	9.691381	5.32	0.308619	2.0353	50
$\begin{array}{c} 11 \\ 12 \end{array}$	124 151	4680 4936		739 726	$\frac{2980}{2918}$	1.04	170 206	$\frac{1700}{2019}$	5.31	8300 7981	338 323	49 48
13	177	5193	4.27	713	2855		242	2338		7662	308	47
14	203	5450		700	$\frac{2793}{2793}$		278	2656		7344	293	46
15	229	5706		687	2731		315	2975		7025	278	45
16	255	5962	4.26	674	2669		351	3293	5.30	6707	263	44
17	281	6218		662	2606		387	3612		<b>6388</b>	248	43
18 19	307	6474	4.0-	649	2544		423	3930		6070	233	42 41
	333	6729	4.25	636	2481		459	4248		5752	219	
20 21	44359	9.646984	4.25	89623	9.952419	1.04	49495	9.694566	5.29	0.305434	2.0204	<b>40</b> 39
$\frac{21}{22}$	385 411	$7240 \\ 7494$	4.24	610 597	$2356 \\ 2294$		532 568	$\frac{4883}{5201}$		5117 4799	189 - 174	38
23	437	7749	7,24	584	2231		604	5518		4482	160	37
24	464	8004		571	2168	1.05	640	5836		4164	145	36
25	490	8258		558	2106		677	6153	5.28	3847	130	35
26	516	8512	4.23	545	2043		713	6470		3530	115	34
27	542	8766		532	1980		749	6787		3213	101	33
28 29	568	9020	4.00	519	1917		786	7103	F 0F	2897	086	32 31
	594	9274	4.22	506	1854		822	7420	5.27	2580	072	
<b>30</b> 31	44620 646	9.649527 $9781$	4.22	89493 480	$9.951791 \\ 1728$	1.05	49858 894	9.697736 8053	5.27	$0.302264 \\ 1947$	$2.0057 \\ 042$	<b>30</b> 29
$\frac{31}{32}$	672	9.650034		467	1665		931	8369		1631	028	28
33	698	0287	4.21	454	1602		967	8685		1315	013	27
34	724	0539		441	1539		50004	9001	5.26	0999	1.9999	26
35	750	0792		428	1476		040	9316		0684	984	25
36	776	1044	4.20	415	1412		076	9632		0368	970	1 24
37	802	1297		402	1349	1.06	113	9947		0053	955	$\begin{array}{c} 23 \\ 22 \end{array}$
38 39	828 854	$1549 \\ 1800$	4.19	389 376	$1286 \\ 1222$		149 185	$9.700263 \\ 0578$	5.25	$0.299737 \\ 9422$	941 926	21
40	44880	9.652052		89363	9.951159	4.00	50222	9.700893	5.25	0.299107	1.9912	20
41	906	2304	4.19	350	1096	1.06	258	1208	5.24	8792	897	19
42	932	2555	4.18	337	1032		295	1523	0.21	8477	883	18
43	958	2806		324	0968		331	1837		8163	868	17
44	984	3057		311	0905		368	2152		<b>784</b> 8	854	16
45	45010	3308		298	0841		404	2466		7534	840	15
46	036	3558	4.17	285	0778		441	$\frac{2781}{3095}$	5.23	7219 6005	825	14 13
47 48	062 088	$\frac{3808}{4059}$		272 259	$0714 \\ 0650$		477 514	3095 3409		6905 6591	. 811 797	12
49	114	4309	4.16	245	0586		550	3722		6278	782	11
50	45140	9.654558	4.16	89232	9.950522	1.07	50587	9.704036	5.22		1.9768	10
51	166	4808	1,10	219	0458	2.01	623	4350		5650	754	9
52	192	5058	4.15	206	0394		660	4663		5337	740	8
53 54	218	5307 5556		193	0330		696	4976	_	5024 4710	725	$\frac{7}{6}$
54	243	<b>5</b> 556		180	0266		733	5290	-	4710	711	5
55 56	269 295	<b>5</b> 805 <b>6</b> 054	111	167	$0202 \\ 0138$		769	$\frac{5603}{5916}$	5.21	$\frac{4397}{4084}$	697 683	4
57	321	6302	4.14	153 140	0138		806 843	6228		3772	669	3
58	347	6551		127	0010		879	6541		3459	654	2
59	373	6799	4.13	114	9.949945		916	6854		3146	640	1
60	45399	9.657047		89101	9.949881		50953	9.707166		0.292834	1.9626	0
1100	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	600
116°		Cosines.			Sines.		Cot	angents.		Tange	nts.	<b>63°</b> .

					OME			OMCII				4 /
27°		Sines.			Cosines.			ingents.		Cotange		152°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
0' 1 2 3 4	45399 425 451 477 503	9.657047 7295 7542 7790 8037	4.13	89101 087 074 061 048	9.949881 9816 9752 9688 9623	1.07	50953 989 51026 063 099	$\begin{array}{c} 9.707166\\7478\\7790\\8102\\8414\end{array}$	5,20 5,19	$\begin{array}{c} 0.292834 \\ 2522 \\ 2210 \\ 1898 \\ 1586 \end{array}$	1.9626 612 598 584 570	59 58 57 56
5 6 7 8 9	529 554 580 606 632	8284 8531 8778 9025 9271	4.11	035 021 008 88995 981	9558 9494 9429 9364 9300		136 173 209 246 283	8726 9037 9349 9660 9971	5.18	$\begin{array}{c} 1274 \\ 0963 \\ 0651 \\ 0340 \\ 0029 \end{array}$	556 542 528 514 500	55 54 53 52 51
10 11 12 13 14	45658 684 710 736 762	9.659517 9763 9.660009 0255 0501	4.10 4.09	88968 955 942 928 915	9.949235 9170 9105 9040 8975	1.08	51319 356 393 430 467	$\begin{array}{c} 9.710282 \\ 0593 \\ 0904 \\ 1215 \\ 1525 \end{array}$	5.18 5.17	0.289718 9407 9096 8785 8475	1.9486 472 458 444 430	50 49 48 47 46
15 16 17 18 19	787 813 839 865 891	0746 0991 1236 1481 1726	4.08	902 888 875 862 848	8910 8845 8780 8715 8650	1.09	503 540 577 614 651	1836 2146 2456 2766 3076	5.16	8164 7854 7544 7234 6924	416 402 388 375 361	45 44 43 42 41
20 21 22 23 24	45917 942 968 994 46020	9.661970 2214 2459 2703 2946	4.06	88835 822 808 795 782	9.948584 8519 8454 8388 8323	1.09	51688 724 761 798 835	9.713386 3696 4005 4314 4624	5.16 5.15	0.286614 6304 5995 5686 5376	1.9347 333 319 306 292	39 38 37 36
25 26 27 28 29	046 072 097 123 149	3190 3433 3677 3920 4163	4.05	768 755 741 728 715	8257 8192 8126 8060 7995	1.10	872 909 946 983 52020	4933 5242 5551 5860 6168	5.14	5067 4758 4449 4140 3832	278 265 251 237 223	35 34 <sup>2</sup> 33 32 31
30 31 32 33 34	46175 201 226 252 278	9.664406 4648 4891 5133 5375	4.04	88701 688 674 661 647	9.947929 7863 7797 7731 7665	1.10	52057 094 131 168 205	9.716477 6785 7093 7401 7709	5.14 5.13	$\begin{array}{r} 0.283523 \\ 3215 \\ 2907 \\ 2599 \\ 2291 \end{array}$	. 1.9210 196 183 169 155	30 29 28 27 26
35 36 37 38 39	304 330 355 381 407	5617 5859 6100 6342 6583	4.02	634 620 607 593 580	7600 7533 7467 7401 7335		242 279 316 353 390	8017 8325 8633 8940 9248	5.12	1983 1675 1367 1060 0752	142 128 115 101 088	25 24 23 22 21
40 41 42 43 44	46433 458 484 510 536	9.666824 7065 7305 7546 7786	4.00	88566 553. 539 526 512	$\begin{array}{c} 9.947269 \\ 7203 \\ 7136 \\ 7070 \\ 7004 \end{array}$	1.10	52427 464 501 538 575	$\begin{array}{c} 9.719555 \\ 9862 \\ 9.720169 \\ 0476 \\ 0783 \end{array}$	5.12 5.11	$\begin{array}{c} 0.280445 \\ 0138 \\ 0.279831 \\ 9524 \\ 9217 \end{array}$	1.9074 061 047 034 020	20 19 18 17 16
45 46 47 48 49	561 587 613 639 644	8027 8267 8506 8746 8986	3.99	499 485 472 458 445	6937 6871 6804 6738 6671		613 650 687 724 761	1089 1396 1702 2009 2315	5.10	8911 8604 8298 7991 7685	007 1.8993 980 967 953	15 14 13 12 11
50 51 52 53 54	46690 716 742 767 793	9.669225 9464 9703 9942 9.670181	3.99 3.98 3.97	88431 417 404 390 377	9.946604 6538 6471 6404 6337	1.11	52798 836 873 910 947	9.722621 2927 3232 3538 3844	5.10 5.09	0.277379 7073 6768 6462 6156	927 913 900 887	10 9 8 7 6
55 56 57 - 58 59 <b>60</b>	819 844 870 896 921 46947	0419 0658 0896 1134 1372 9.671609	3.96	363 349 336 322 308 88295	6270 6203 6136 6069 6002 9.945935	1.12	985 53022 059 096 134 53171	4149 4454 4760 5065 5370 9.725674	5.08	5851 5546 5240 4935 4630 0.274326	873 860 847 834 820 1.8807	5 4 3 2 1 0
117°	Nat.	Log. Cosines.	Dif.	Nat.	Log. Sines.	Dif.	Nat.	Log.	Dif.	Log. Tanger	Nat.	62°

,													
ı	28°		Sines.			Cosines.			ingents.		Cotang		151°
ı	- OE	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	101
ı	0'	46947	9.671609	3.96	88295	9.945935	1.12	53171	9.725674	5.08	0.274326	1.8807	60'
ı	1	973	1847	3.95	281	5868		208	5979		4021	794	59
ı	2	999	2384		267	5800		246	6284	5.07	3716	781	58
١	3	47024	2321		254	5733		283	6588		3412	768	57
ı	4	950	2558		240	5666		320	6892		3108	755	56
ı	5	076	2795	3.94	226	5598		358	7197		. 2803	741	55
ı	6	101	$\frac{3032}{3268}$		213	5531	1 10	395	$7501 \\ 7805$	- 00	$2499 \\ 2195$	728	54 53
I	7 8	127 153	$\frac{5208}{3505}$		199 185	5464 5396	1.13	432 470	8109	5.06	1891	715 702	52
I	9	178	3741	3.93	172	5328		507	8412		1588	689	51
ı	10	47204	9.673977	3.93	88158	9.945261	1.13	53545	9.728716	5.06	0.271284	1.8676	50
ı	11	229	4213	0.00	144	5193	1.10	582	9020	0.00	0980	663	49
ı	12	255	4448	3.92	130	5125		620	9323	5.05	0677	650	48
ı	13	281	4684		117	5058		657	9626		0374	637	47
I	14	306	4919		103	4990		694	/ 9929		0071	624	46
ı	15	332	5155		089	4922		732	9.730233		0.269767	611	45
	16	358	5390	3.91	075	4854		769	0535		9465	598	44
ı	17	383	5624		062	4786		807	0838	5.04	9162	585	43 42
ı	18 19	409 434	$\frac{5859}{6094}$		048 034	$4718 \\ 4650$		844 882	1141 1444		8859 8556	572 559	41
ı					1								40
ı	20 21	47460	$9.676328 \\ 6562$	3.90	88020	9.944582 $4514$	1.14	53920	$9.731746 \\ 2048$	5.04	$0.268254 \\ 7952$	1.8546 533	39
۱	22	486 511	6796		606 87993	4446		957 995	2351	5.03	7649	520	38
ı	23	537	7030		979	4377		54032	2653	0.00	7347	507	37
ı	24	562	7264	3.89	965	4309		070	2955		7045	495	36
ł	25	588	7498		951	4241		107	3257		6743	482	35
ı	26	614	7731		937	4172		145	3558		6442	469	34
1	27	639	7964	3.88	923	4104		183	3860	5.02	6140	456.	33
ı	28	665	8197		909	4036		220	4162		5838	443	32
ı	29	690	8430		896	3967		258	4463		5537	430	31
ı	30	47716	9.678663	3.88	87882	9.943899	1.14	54296	9.734764	5.02	0.265236	1.8418	30
ı	31	741	8895	3.87	868	3830		333	5066		4934	405	29 28
1	$\frac{32}{33}$	767 793	$9128 \\ 9360$		854	$3761 \\ 3693$	1.15	371 409	5367 5668	5.01	$\frac{4633}{4332}$	392 379	27
I	34	818	9592		840 826	3624	1.10	446	5969	5.01	4031	367	26
ı	35	844	9824	3.86	812	3555		484	6269		3731	354	25
ı	36	869	9.680056	3.80	798	3486		522	6570		3430	341	24
ı	37	895	0288		784	3417		560	6870		3130	329	23
1	38	920	0519	3.85	770	3348		597	7171	5.00	2829	316	22
I	39	946	0750		756	3279		635	7471		2529	303	21 '
ı	40	47971	9.680982	3.85	87743	9.943210	1.15	54673	9.737771	5.00	0.262229	1.8291	20
I	41	997	1213		729	3141		711	8071		1929	278	- 19
I	42	48022	1443	3.84	715	3072		748	8371	4.00	1629	265	18 17
I	43 44	048 073	$1674 \\ 1905$		701	$\frac{3003}{2934}$		786 824	$8671 \\ 8971$	4.99	$\frac{1329}{1029}$	253 240	16
ı					687			1	9271		0729		15
I	45 46	099 124	$2135 \\ 2365$	3,83	673 659	$2864 \\ 2795$	1.16	862 900	$\frac{9271}{9570}$		0430	228 215	14
I	47	150	$\frac{2505}{2595}$	o,83	645	2795	1.10	938	9870		0130	202	13
ı	48	175	$\frac{2835}{2825}$		631	2656		975	9.740169		0.259831	190	12
ı	49	201	3055	3.82	617	2587		55013	0468	4.98	9532	177	11
1	50	48226	9.683284	3.82	87603	9.942517	1.16	55051	9.740767	4.98	0.259233	1.8165	10
ı	51	252	3514		589	2448		089	1066		8934	152	9
1	52	277	3743		575	2378		127	1365		8635	140	8
I	53	303	3972	0.04	561	2308		165	1664	4.05	8336	127	7
	54	328	4201	3.81	546	2239		203	1962	4.97	8038	115	5
	55	354	4430		532	2169		241	2261		7739	103	4
	56 57	379 405	$\frac{4658}{4887}$	3,80	518	2099 2029		279 317	$2559 \\ 2858$		$\begin{array}{c} 7441 \\ 7142 \end{array}$	090 078	3
	58	430	5115	0,80	504 490	1959		355	3156		6844	065	2
	59	456	5343		476	1889	1.17	393	3454		6546	053	1
	60	48481	9.685571		87462	9.941819		55431	9.743752		0.256248	1.8040	0
	118°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	61°
1	110		Cosines.			Sines.		Cot	angents.		Tange	nts.	OI.

			1 1/1/	3014	OME	. 111	J 1	ONCT	101	ND.		4
29°		Sines.			Cosines.		-	angents.		Cotang	gents.	150°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat	. Log.	Dif.	Log.	Nat.	100
0'	48481	9.685571	3.80	87462	9.941819	1.17	55431	9.743752	4.96		1.8040	60'
$\frac{1}{2}$	506 532	$     \begin{array}{r}       5799 \\       6027     \end{array} $	3.79	448 434	$\frac{1749}{1679}$		469 507	$\frac{4050}{4348}$		$   \begin{array}{r}     5950 \\     5652   \end{array} $	028 016	59 58
$\frac{2}{3}$	557	6254		420	1609		545	4645		5355	003	57
4	583	6482		406	1539		583	4943		5057	1.7991	56
5	608	6709	3.78	391	1469		621	5240		4760	979	55
6	634	6936		377	1398		659	5538	4.95	4462	966	54
7 8	659 684	$7163 \\ 7389$		363 349	$1328 \\ 1258$		697 736	$   \begin{array}{r}     5835 \\     6132   \end{array} $		$\frac{4165}{3868}$	954 942	53 52
9	710	7616	3.77	335	1187		774	6429		3571	930	51
10	48735	9.687843	3.77	87321	9.941117	1.17	55812	9.746726	4.95	0.253274	1.7917	50
11	761	8069		306	1046	1.18	850	7023	4.94	2977	905	49
$\begin{array}{c} 12 \\ 13 \end{array}$	786	8295		292	0975		888	7319		2681	893	48
14	811 837	$8521 \\ 8747$	3.76	278 264	$0905 \\ 0834$		926 964	7616 7913		$\frac{2384}{2087}$	881 868	47 46
15	862	8972		250	0763		56003	8209		1791	856	45
16	888	9198		235	0693		041	8505	4.93	1495	844	44
17	913	9423	3.75	221	0622		079	8801		1199	832	43
18	938	9648		207	0551		117	9097		0903	820	42
19 20	964	9873		193	0480		156	9393		0607	808	41
20 21	48989 49014	9.690098 $0323$	$3.75 \\ 3.74$	87178 164	9.940409 $0338$	1.18	56194 232	9.749689 $9985$	4.93	$0.250311 \\ 0015$	1.7796 783	<b>40</b> 39
$-\frac{21}{22}$	040	0548	3.14	150	0267		270	9.750281	4.92		771	38
23	065	0772		136	0196		309	0576		9424	759	37
24	090	0996	3.73	121	0125	1.19	347	0872		9128	747	36
25	116	1220		107	0054		385	1167		8833	735	35
$\begin{array}{c} 26 \\ 27 \end{array}$	141 166	1444 1668		093 079	9.939982 9911		424 462	$\frac{1462}{1757}$		$\begin{array}{c} 8538 \\ 8243 \end{array}$	723 711	34 33
28	192	1892	3.72	064	9840		500	2052	4.91	7948	699	32
29	217	2115		050	9768		539	2347		7653	687	31
30	49242	9.692339	3.72	87036	9.939697	1.19	56577	9.752642	4.91		1.7675	30
$\frac{31}{32}$	268	2562		021	9625		616	2937		7063	663	29
33	293 318	$\frac{2785}{3008}$	3.71	007 86993	$9554 \\ 9482$		654 693	$\frac{3231}{3526}$		$\begin{array}{c} 6769 \\ 6474 \end{array}$	651 639	$\begin{array}{c} 28 \\ 27 \end{array}$
34	344	3231		978	9410		731	3820	4.90	6180	627	26
35	369	3453		964	9339		769	4115		5885	615	25
36	394	3676	3.70	949	9267	1.20	808	4409		5591	603	24
37 38	419	$\frac{3898}{4120}$		935	9195		846	4703		5297	591	$\begin{array}{c} 23 \\ 22 \end{array}$
39	415 470	4342		921 906	$9123 \\ 9052$		885 923	$\frac{4997}{5291}$		$\frac{5003}{4709}$	579 567	21
40	49495	9.694564	3.69		9.938980	1.20	56962	9.755585	4.89	0.244415	1.7556	20
41	521	4786	0.00	878	8908	1.20	57000	5878	2.00	4122	544	19
42	546	5007		863	8836		039	6172		3828	532	18
43 44	571 596	$\frac{5229}{5450}$	3.68	849	8763 8691		078	$6465 \\ 6759$		$\frac{3535}{3241}$	520	17 16
45	622	5671	0.00	834	8619		116	7052		2948	508	15
46	647	$\begin{array}{c} 5071 \\ 5892 \end{array}$		820 805	8547		155 193	$\begin{array}{c} 7052 \\ 7345 \end{array}$	4.88	$\begin{array}{c} 2948 \\ 2655 \end{array}$	- 496 485	14
47	672	6113		791	8475		232	7638	2,00	2362	473	13
48 49	697	6334	3.67	777	8402	1.21	271	7931		2069	461	12
	723	6554		762	8330		309	8224		1776	449	11
<b>50</b> 51	49748 773	9.696775 6995	3.67	86748 733	$9.938258 \\ 8185$	1.21	57348 386	$9.758517 \\ 8810$	4.88	$0.241483 \\ 1190$	1.7437 426	<b>10</b> 9
52	798	7215	3.66	719	8113		$\frac{386}{425}$	9102	4.87	0898	426	8
53	824	7435		704	8040		464	9395		0605	402	7
54	849	7654		690	7967		503	9687		0313	391	6
55 56	874	7874	9.0*	675	7895		541	9979		0021	379	5
57	899 924	$8094 \\ 8313$	3.65	661 646	$7822 \\ 7749$		580 619	$9.760272 \\ 0564$		$0.239728 \\ 9436$	367 355	$\frac{4}{3}$
58	950	8532		632	7676		657	0856	4.86	9144	344	$^2$
59	975	8751		617	7604		696	1148		8852	332	1
60	50000	9.698970		86603	9.937531		57735	9.761439		0.238561	1.7321	0
119°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	co°
119		Cosines.			Sines.		Cota	ingents.		Tanger	its.	60°

000		Sines.		1	Cosines.	-	Ta	ngents.		Cotang	ents.	1 15
30°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	149°
0'	50000	9.698970	3.64	86603	9.937531	1.21	57735	9.761439	4.86	0.238561	1.7321	60'
i	025	9189	0.01	588	7458	1.22	774	1731	4.00	8269	309	59
2	050	9407		573	7385		813	2023		7977	297	58
3	076	9626		559	7312		851	2314		7686	286	57
4	101	9844	3.63	544	7238		890	2606	4.85	7394	274	56
5	126	9.700062		530	7165		929	2897		7103	262	55
6	151	0280		515	7092		968	3188		6812	251	54
7	176	0498		501	7019		58007	3479		6521	239	53
8	201	0716		486	6946		046	3770		6230	228	52
9	227	0933	3.62	471	6872		085	4061		5939	216	51
10	50252	9.701151	3.62	86457	9.936799	1.22	58124	9.764352	4 84	0.235648	1.7205	50
11	277	1368	0.02	442	6725	1.22	162	4643	7,01	5357	193	49
12	302	1585		428	6652	1.23	201	4933		5067	182	48
13	327	1802	3.61	413	6578	2,20	240	5224		4776	170	47
14	352	2019		398	6505		279	5514		4486	159	46
15	377	2236		384	6431		318	5805		4195	147	45
16	403	2452		369	6357		357	6095		3905	136	44
17	428	2669	3.60	354	6284		396	6385	4.83	3615	124	43
18	453	2885	0.00	340	6210		435	6675		3325	113	42
19	478	3101		325	6136		474	6965		3035	102	41
20	50503	9.703317	3.60	86310	9,936062	1.23	58513	9.767255	4.83	0.232745	1.7090	40
21	528	3533	3.59	295	5988	1.20	552	7545	7.00	2455	079	39
22	553	3749	0.00	281	5914		591	7834		2166	067	38
23	578	3964		266	5840		631	8124	4.82	1876	056	37
24	603	4179		251	5766	1.24	670	8414		1586	045	36
25	628	4395		237	5692		709	- 8703		1297	033	35
26	654	4610	3.58	222	5618		748	8992		1008	022	34
27	679	4825	0.00	207	5543		787	9281		0719	011	33
28	704	5040		192	5469		826	9571		0429	1.6999	32
29	729	5254		178	5395		865	9860	4.81	0140	988	31
30	50754	9.705469	3.57	86163	9.935320	1.24	58905	9.770148	4.81	0.229852	1.6977	30
31	779	5683	0.01	148	5246	1.21	944	0437	1,01	9563	965	29
32	804	5898		133	5171		983	0726		9274	954	28
33	829	6112		119	5097		59022	1015		8985	943	27
34	854	6326	3.56	104	5022		061	1303		8697	932	26
35	879	6539		089	4948		101	1592		8408	920	25
36	904	6753		074	4873		140	1880	4.80	8120	909	24
37	929	6967		059	4798	1.25	179	2168		7832	898	23
38	954	7180	3.55	045	4723		218	2457		7543	887	22
39	979	7393		030	4649		258	2745		7255	875	21
40	51004	9.707606	3.55	86015	9.934574	1.25	59297	9.773033	4.80	0.226967	1.6864	20
41	029	7819		000	4499		336	3321		6679	853	19
42	054	8032	3.54	85985	4424		376.	3608	4.79	6392	842	18
43	079	8245		970	4349		415	3896		6104	831	17
44	104	8458		956	4274		454	4184		5816	820	16
45	129	8670		941	4199		494	4471		5529	808	15
46	154	8882	3.53	926	4123		533	4759		5241	797	14
47	179	9094		911	4048		573	5046		4954	786	13
48	204	9306			. 3973	4.00	612	5333	4 =0	4667	775	12
49	229	9518		881	3898	1.26	651	5621	4.78	4379	764	11
50	51254	9.709730	3.53	85866	9.933822	1.26	59691	9.775908	4.78	0.224092	1.6753	10
51	279	9941	3.52	851	3747		730	6195		3805	742	9 8
52	304	9.710153		836	3671		770	6482		3518	731	7
53 54	329	$0364 \\ 0575$		821 806	3596 3520		809 849	$6768 \\ 7055$		$\frac{3232}{2945}$	720 709	6
	354											5
55	379	0786	3.51	792	3445		888	7342	4 777	$\begin{array}{c} 2658 \\ 2372 \end{array}$	698 687	4
56 57	404	$0997 \\ 1208$		777	3369		928 967	$7628 \\ 7915$	4.77	$\frac{2312}{2085}$	676	3
58	429 454	1419		762	$\frac{3293}{3217}$		60007	8201		1799	665	2
59	479	1629	3.50	747 732	3141		046	8488		1512	654	ĩ
60		9.711839	0.00	85717	9.933066		60086	9.778774		0.221226	1.6643	0
1000	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	59°
120°		Cosines.			Sines.		Cot	angents.		Tange	nts.	99
		300-44000			2					3-		

					OME			11/011				<b>3</b> 1
31°		Sines.			Cosines.			ingents.		Cotang		148°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
0' 1 2 3 4	51504 529 554 579 604	$\begin{array}{r} 9.711839 \\ 2050 \\ 2260 \\ 2469 \\ 2679 \end{array}$	3.50 3.49	85717 702 687 672 657	$\begin{array}{c} 9.933066 \\ 2990 \\ 2914 \\ 2838 \\ 2762 \end{array}$	1.26 1.27	60086 126 165 205 245	$\begin{array}{c} 9.778774 \\ 9060 \\ 9346 \\ 9632 \\ 9918 \end{array}$	4.77 4.76	$\begin{array}{c} 0.221226 \\ 0940 \\ 0654 \\ 0368 \\ 0082 \end{array}$	1,6643 632 621 610 599	59 58 57 56
5 6 7 8 - 9	628 653 678 703 728	2889 3098 3308 3517 3726	3.48	642 627 612 597 582	2685 2609 2533 2457 2380		284 324 364 403 443	$\begin{array}{c} 9.780203 \\ 0489 \\ 0775 \\ 1060 \\ 1346 \end{array}$	4.75	$\begin{array}{c} 0.219797 \\ 9511 \\ 9225 \\ 8940 \\ 8654 \end{array}$	588 577 566 555 545	55 54 53 52 51
10 11 12 13 14	51753 778 803 828 852	9.713935 4144 4352 4561 4769	3.48 3.47	85567 551 536 521 506	9.932304 2228 2151 2075 1998	1.27	60483 522 562 602 642	$9.781631 \\ 1916 \\ 2201 \\ 2486 \\ 2771$	4.75	$\begin{array}{c} 0.218369 \\ 8084 \\ 7799 \\ 7514 \\ 7229 \end{array}$	1.6534 523 512 501 490	50 49 48 47 46
15 . 16 . 17 . 18 . 19	877 902 927 952 977	4978 5186 5394 5602 5809	3.46	491 476 461 446 431	1921 1845 1768 1691 1614		681 721 761 801 - 841	3056 3341 3626 3910 4195	4.74	6944 6659 6374 6090 5805	479 469 458 447 436	45 44 43 42 41
20 21 22 23 24	52002 026 051 076 101	9.716017 6224 6432 6639 6846	3.46 3.45	85416 401 385 370 355	9.931537 1460 1383 1306 1229	1.28	921 960 61000 040	9.784479 4764 5048 5332 5616	4.74	$\begin{array}{c} 0.215521 \\ 5236 \\ 4952 \\ 4668 \\ 4384 \end{array}$	1.6426 415 404 393 383	40 39 38 37 36
25 26 27 28 29	126 151 175 200 225	7053 7259 7466 7673 7879	3.44	340 325 310 294 279	1152 1075 0998 0921 0843		120 160 200 240	5900 6184 6468 6752 7036		4100 3816 3532 3248 2964	372 361 351 340 329	35 34 33 32 31
30 31 32 33 34	52250 275 299 324 349	9.718085 8291 8497 8703 8909	3.43	85264 249 234 218 203	$\begin{array}{c} 9.930766 \\ 0688 \\ 0611 \\ 0533 \\ 0456 \end{array}$	1.29	320 360 400 440	9.787319 7603 7886 8170 8453	4.72	0.212681 2397 2114 1830 1547	1.6319 308 297 287 276	30 29 28 27 26
35 36 37 38 39	374 399 423 448 473	9114 9320 9525 9730 9935	3.42	188 173 157 142 127	$\begin{array}{c} 0378 \\ 0300 \\ 0223 \\ 0145 \\ 0067 \end{array}$	1.30	480 520 561 601 641	8736 9019 9302 9585 9868	4.71	1264 0981 0698 0415 0132	265 255 244 234 223	25 24 23 22 21
40 41 42 43 44	52498 522 547 572 597	$\begin{array}{c} 9.720140 \\ 0345 \\ 0549 \\ 0754 \\ 0958 \end{array}$	3.41	85112 096 081 066 051	9.929989 9911 9833 9755 9677	1.30	61681 721 761 801 842	$\begin{array}{c} 9.790151 \\ 0434 \\ 0716 \\ 0999 \\ 1281 \end{array}$	4.71	0.209849 9566 9284 9001 8719	1.6212 202 191 181 170	20 19 18 17 16
45 46 47 48 49	621 646 671 696 720	1162 1366 1570 1774 1978	3.39	035 020 005 84989 974	9599 9521 9442 9364 9286	1.31	882 922 962 62003 043	$   \begin{array}{r} 1563 \\ 1846 \\ 2128 \\ 2410 \\ 2692 \end{array} $	4.70	8437 8154 7872 7590 7308	160 149 139 128 118	15 14 13 12 11
50 51 52 53 54	52745 770 794 819 844	$\begin{array}{r} 9.722181 \\ 2385 \\ 2588 \\ 2791 \\ 2994 \end{array}$	3.39	84959 943 928 913 897	9.929207 9129 9050 8972 8893	1.31	62083 124 164 204 245	9.792974 3256 3538 3819 4101	4.70	0.207026 6744 6462 6181 5899	1.6107 097 087 076 066	10 9 8 7 6
55 56 57 58 59 <b>60</b>	869 893 918 943 967	3197 3400 3603 3805 4007 9.724210	3.37	882 866 851 836 820 84805	8815 8736 8657 8578 8499 9.928420		285 325 366 406 446 62487	4383 4664 4946 5227 5508 9.795789	4.68	5617 5336 5054 4773 4492 0.204211	055 045 034 024 014 1.6003	5 4 3 2 1
121°	Nat.	Log. Cosines.	Dif.	Nat.	Log. Sines.	Dif.	Nat.	Log.	Dif.	Log. Tanger	Nat.	58°

000		Sines.			Cosines.		Ta	angents.		Cotang	ents.	1480
32°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.		Dif.	Log.	Nat.	147°
0'	52992	9.724210	3.37	84805	9.928420	1.32	62487	9.795789	4.68	0.204211	1.6003	60'
1	53017	4412		789	8342	1.02	527	6070	2,00	3930	1.5993	59
2	041	4614	3.36	774	8263		568	6351		3649	983	58
3	066~	4816		759	8183		608	6632		3368	972	57
4	091	5017		743	8104		649	6913		3087	962	56
5	115	5219		728	8025		689	7194		2806	952	55
6	140	5420	3.35	712	7946		730	7474		2526	941	54
7	164	5622	0.00	697	7867		770	7755		$\frac{2320}{2245}$	931	53
8	189	5823		681	7787		811	8036	4.67	1964	921	52
9	214	6024		666	7708		852	8316	7.04	1684	911	51
- 1							l .					
10	53238	9.726225	3.35	84650	9.927629	1.32	62892	9.798596	4.67		1.5900	50
11	263	6426	3.34	635	7549		933	8877		1123	890	49
12	288	6626		619	7470	1.33	973	9157		0843	880	48
13	312	6827		604	7390		63014	9437		0563	869	47
14	337	7027		588	· 7310		055	9717		0283	859	46
15	361	7228		573	7231		095	9997	4.66	0003	849	45
16	386	7428	3.33	557	7151		136	9.800277		0.199723	839	441
17	411	7628		542	7071		177	0557		9443	829	43
18	435	7828		526	6991		217	0836		9164	818	42
19	460	8027		511	6911		258	1116		8884	808	41
20	53484	9.728227	3.33	84495	9.926831	1.33	63299	9.801396	4.66		1.5798	40
21	509	8427	3.32	480	6751	1.55	340	1675	4,00	8325	788	39
22		8626	3.32				1	1955		8045		38
23	534	8825		464	6671		380	$\begin{array}{c} 1935 \\ 2234 \end{array}$	4.05	7766	778	37
24	558	9024		448	6591	1.04	421		4.65		768	36
	583			433	6511	1.34	462	2513		7487	757	
25	607	9223	3.31	417	6431		503	2792		7208	747	35
26	632	9422		402	6351		544	3072		6928	737	34
27	656	9621		386	6270		584	3351		6649	727	33
28	681	9820		370	6190		625	3630		6370	717	32
29	705	9.730018	3.30	355	6110		666	3909		6091	707	31
30	53730	9.730217	3.30	84339	9.926029	1.34	63707	9.804187	4.65	0.195813	1.5697	30
31	754	0415	0,00	324	5949	1.01	748	4466	4.64	5534	687	29
32	779	0613		308	5868		789	4745		5255	677	28
33	804	0811		292	5788		830	5023		4977	667	27
34	828	1009	3.29	277	5707	1.35	871	5302		4698	657	26
			0.20			1.00				4420		25
35	853	1206		261	5626		912	5580			647	24
36	877	1404		245	5545	1.35	953	5859		4141	637	23
37	902			230	<b>546</b> 5		994	6137	4 00	3863	627	22
38 39	926	1799	0.00	214	5384		64035	6415	4.63	3585	617	21
	951	1996	3.28	198	5303		076	6693		3307	607	
40	53975	9.732193	3.28	84182	9.925222	1.35	64117	9.806971	4.63		1.5597	20
41	54000	2390		167	5141		158	7249		2751		19
42	024	2587		151	5060		199	7527		2473	577	18
43	049	2784		135	4979		240	7805		2195	567	17
44	073	2980	3.27	120	4897		281	8083		1917	557	16
45	097	3177		104	4816		322	8361		1639	547	15
46	122	3373		088	4735	1.36	363	8638	4.62	1362	537	14
47	*146	97.00		072	4654	1.00	404	8916	1.04	1084	527	13
48	171	3765			4		446	9193		0807	517	12
49	195	3961	3.26	057 041	4572 4491		487	9471		0529	507	11
												1
50	54220	9.734157	3.26	84025	9.924409	1.36	64528	9.809748	4.62	0.190252	1.5497	10
51	244	4353		009	4328		569	9.810025		0.189975	487	9
52	269	4549		83994	4246		610	0302		9698	477	8
53	293	4744	3.25	978	4164		652	0580	,	9420	468	7
54	317	4939		962	4083		693	0857		9143	458	6
55	342	5135		946	4001		734	1134	4.61	8866	448	` 5
56	366	5330		930	3919		775	1410		8590	438	4
	391	5525		915	3837		817	1687		8313	428	3
57		5719	3.24	899	3755	1.37	858	1964		8036	418	2
57 58	415											
	410	5914		883	3673		899	2241		1159	408	1
58 59	440									7759 0 187483		
58	440	5914 9.736109		883 83867	9.923591					0.187483	408 1.5399	0
58 59	440		Dif.			Dif.			Dif.			

		a.			0		1					
33°	Nat.	Sines.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Cotang Log.	Nat.	146°
	-			'							Mat.	l
0' 1 2 3 4	54464 488 513 537 561	9.736109 6303 6498 6692 6886	3.24	83867 851 835 819 804	9,923591 3509 3427 3345 3263	1.37	64941 982 65024 065 106	9.812517 2794 3070 3347 3623	4.60	$\begin{array}{c} 0.187483 \\ 7206 \\ 6930 \\ 6653 \\ 6377 \end{array}$	1.5399 389 379 369 359	59 58 57 56
5 6 7 8 9	586 610 635 659 683	7080 7274 7467 7661 7855	3.22	788 772 756 740 724	3181 3098 3016 2933 2851		148 189 231 272 314	3899 4176 4452 4728 5004		6101 5824 5548 5272 4996	350 340 330 320 311	55 54 53 52 51
10 11 12 13 14	54708 732 756 781 805	$\begin{array}{c} 9.738048 \\ 8241 \\ 8434 \\ 8627 \\ 8820 \end{array}$	3.22	83708 692 676 660 645	$\begin{array}{c} 9.922768 \\ 2686 \\ 2603 \\ 2520 \\ 2438 \end{array}$	1.38	65355 397 438 480 521	$\begin{array}{c} 9.815280 \\ 5555 \\ 5831 \\ 6107 \\ 6382 \end{array}$	4.60 4.59	0.184720 4445 4169 3893 3618	1.5301 291 282 272 262	50 49 48 47 46
15 16 17 18 19	829 854 878 902 927	9013 9206 9398 9590 9783	3.20	629 613 597 581 565	2355 2272 2189 2106 2023		563 604 646 688 729	6658 6933 7209 7484 7759		3342 $3067$ $2791$ $2516$ $2241$	253 243 233 224 214	45 44 43 42 41
20 21 22 23 24	54951 975 999 55024 048	$\begin{array}{c} 9.739975 \\ 9.740167 \\ 0359 \\ 0550 \\ 0742 \end{array}$	3.20	83549 533 517 501 485	$\begin{array}{c} 9.921940 \\ 1857 \\ 1774 \\ 1691 \\ 1607 \end{array}$	1.38 1.39	65771 813 854 896 938	9,818035 8310 8585 8860 9135	4.58	$\begin{array}{c} 0.181965 \\ 1690 \\ 1415 \\ 1140 \\ 0865 \end{array}$	1.5204 195 185 175 166	40 39 38 37 36
25 26 27 28 29	072 097 121 145 169	0934 1125 1316 1508 1699	3.18	469 453 437 421 405	1524 1441 1357 1274 1190		980 66021 063 105 147	$\begin{array}{c} 9410 \\ 9684 \\ 9959 \\ 9.820234 \\ 0508 \end{array}$	4.57	$\begin{array}{c} 0590 \\ 0316 \\ 0041 \\ 0.179766 \\ 9492 \end{array}$	156 147 137 127 118	35 34 33 32 31
30 31 32 33 34	55194 218 242 266 291	$\begin{array}{r} 9.741889 \\ 2080 \\ 2271 \\ 2462 \\ 2652 \end{array}$	3.18	83389 373 356 340 324	$\begin{array}{c} 9.921107 \\ 1023 \\ 0939 \\ 0856 \\ 0772 \end{array}$	1.39 1.40	66189 230 272 314 356	$\begin{array}{c} 9.820783 \\ 1057 \\ 1332 \\ 1606 \\ 1880 \end{array}$	4.57	0.179217 8943 8668 8394 8120	1.5108 099 089 080 070	30 29 28 27 26
35 36 37 38 39	315 339 363 388 412	2842 3033 3223 3413 3602	3.16	308 292 276 260 244	0688 $0604$ $0520$ $0436$ $0352$		398 440 482 524 566	2154 2429 2703 2977 3251	4.56	7846 7571 7297 7023 6749	061 051 042 032 023	25 24 23 22 21
40 41 42 43 44	55436 460 484 509 533	9.743792 3982 4171 4361 4550	3.16 3.15	83228 212 195 179 163	$\begin{array}{c} 9.920268 \\ 0184 \\ 0099 \\ 0015 \\ 9.919931 \end{array}$	1.40	66608 650 692 734 776	9.823524 3798 4072 4345 4619	4.56	$\begin{array}{c} 0.176476 \\ 6202 \\ 5928 \\ 5655 \\ 5381 \end{array}$	1.5013 004 1.4994 985 975	20 19 18 17 16
45 46 47 48 49	557 581 605 630 654	4739 4928 5117 5306 5494	3.14	147 131 115 098 082	9846 9762 9677 9593 9508		818 860 902 944 986	4893 5166 5439 5713 5986	4,55	5107 4834 4561 4287 4014	966 957 947 938 928	15 14 13 12 11
50 51 52 53 54	55678 702 726 750 775	9.745683 5871 6060 6248 6436	3.14	83066 050 034 017 001	9,919424 9339 9254 9169 9085	1.41	67028 071 113 155 197	9.826259 6532 6805 7078 7351	4.55	0.173741 3468 3195 2922 2649	1.4919 910 900 891 882	10 9 8 7 6
55 56 57 58 59	799 823 847 871 895	6624 6812 6999 7187 7374	3.12	82985 969 953 936 920	9000 8915 8830 8745 8659	1.42	239 282 324 366 409	7624 7897 8170 8442 8715	4.54	2376 2103 1830 1558 1285	872 863 854 844 835	5 4 3 2 1
1000	55919   Nat.	9.747562 Log.	Dif.	82904   Nat.	9.918574 Log.	Dif.	67451 Nat.	9.828987 Log.	Dif.	0.171013 Log.	1.4826 Nat.	0
123°		Cosines.			Sines.			angents.		Tange		56°

0.40		Sines.			Cosines.		T	ingents.		Cotange	ents.	1/
34°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	145°
0'	55919	9.747562	3.12	82904	9.918574	1,42	67451	9.828987	4.54	0.171013	1.4826	60'
1	943	7749	3.12	887	8489	1.42	493	9260	4,04	0.171013	816	59
2	968	7936		871	8404		536	9532		0468	807	58
3	992	8123	3.11	855	8318		578	9805		0195	798	57
4	56016	8310		839	8233		620	9.830077		0.169923	788	56
5	040	8497		822	8147		663	0349	4.53	9651	779	55
6	064	8683		806	8062	1.43	705	0621		9379	770	54
7	088	8870		790	7976		748	0893		9107	761	53
8	112	9056	3.10	773	7891		790	1165		8835	751	52
9	136	9243		757	7805		832	1437		8563	742	51
10	56160	9.749429	3.10	82741	9.917719	1.43	67875	9.831709	4.53	0.168291	1.4733	50
11	184	9615		724	7634		917	1981		8019	724	49
12 13	208	9801		708	7548		960	2253		7747	715	48
14	232 256	9987 $9.750172$	3.09	692	7462 7376		68002	$2525 \\ 2796$		$\begin{array}{c} 7475 \\ 7204 \end{array}$	705 696	47 46
				675			045					
15 16	280	0358		659	7290		088	3068	4.52	6932	687	45 44
17	305 329	$0543 \\ 0729$		643	$7204 \\ 7118$	1.44	130	3339 3611		6661 6389	678 669	43
18	353	0729	3.08	626 610	7032	1.44	173 215	3882		6118	659	42
19	377	1099	0.00	593	6946		258	4154		5846	650	41
20	56401	9.751284	3.08	1	9.916859	1.44	68301	9.834425	4.52	0.165575	1.4641	40
21	425	1469	5.08	82577 561	6773	1.44	68301 343	4696	4.02	5304	632	39
22	449	1654		544	6687		386	4967		5033	623	38
23	473	1839		528	6600		429	5238		4762	614	37
24	497	2023	3.07	511	6514		471	5509		4491	605	36
25	521	2208		495	6427		514	5780	4.51	4220	596	35
26	545	2392		478	6341		557	6051	1.01	3949	586	34
27	. 569	2576		462	6254		600	6322		3678	577	33
28	593	2760		446	6167	1.45	642	6593		3407	568	32
29	617	2944	3.06	429	6081		685	6864		3136	559	31
30	56641	9.753128	3.06	82413	9.915994	1.45	68728	9.837134	4.51	0.162866	1.4550	30
31	665	3312		396	5907		771	7405		2595	541	- 29
32	689	3495		380	5820		814	7675		2325	532	28
33	713	3679		363	5733		857	7946		2054	523	27
34	736	3862	3.05	347	5646		900	8216		1784	514	26
35	760	4046		330	5559		942	8487	4.50	1513	505	25
36	784	4229		314	5472		985	8757		1243	496	24
37	808	4412		297	5385		69028	9027		0973	487	23 22
- 38 39	832	$4595 \\ 4778$	3.04	281	$5297 \\ 5210$		071 114	$9297 \\ 9568$		$\begin{array}{c} 0703 \\ 0432 \end{array}$	478 469	21
	856			264								
<b>40</b> 41	56880	9.754960	3.04	82248	9.915123	1.46	69157	9.839838 9.840108	4.50	0.160162	1.4460	<b>20</b> 19
42	904 928	$5143 \\ 5326$		231 214	$5035 \\ 4948$		200 243	9.840108		$0.159892 \\ 9622$	451 442	18
43	952	5508		198	4860		286	0648		9352	433	17
44	976	5690		181	4773		329	0917	4.49	9083	424	16
45	57000	5872	3.03	165	4685		372	1187		8813	415	15
46	024	6054	0.00	148	4598		416	1457		8543	406	14
47	047	6236		132	4510		459	1727		8273 -		13
48	071	6418		115	4422		502	1996		8004	388	12
49	095	6600		098	4334		545	2266		7734	379	11
50	57119	9.756782	3.02	82082	9.914246	1.47	69588	9.842535	4.49	0.157465	1.4370	10
51	143	6963		065	4158		631	2805		7195	361	9
52	167	7144		048	4070		675	3074		6926	352	8
53	191	. 7326		032	3982		718	3343	0	6657	344	7 6
54	215	7507		015	3894		761	3612		6388	335	
55	238	7688		81999	3806		804	3882	4.48	6118	326	5 4
56	262	7869		982	3718		847	4151		5849	317	4
57	286	8050		965	3630		891	4420		5580	308	3 2
58 59	310	8230		949	3541		934	$\frac{4689}{4958}$		$\begin{array}{c} 5311 \\ 5042 \end{array}$	299 290	1
60	334	8411		932	3453		977			0.154773		0
00	57358	9.758591		81915	9.913365		70021	9.845227		U.194115	1.4281	
40.0	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	55°
124°										Tange		

	,				OME	-		ONCI				99
35°		Sines.			Cosines.		-	ingents.		Cotang		144°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	***
0'	57358	9.758591	3.01	81915	9.913365	1.47	70021	9.845227	4.48	0.154773	1.4281	60'
1	381	8772	3.00	899	3276	4.40	064	5496		4504	273	59
$\frac{2}{3}$	405 429	$8952 \\ 9132$		882 865	$\frac{3187}{3099}$	1.48	107 151	$5764 \\ 6033$		$\frac{4236}{3967}$	264 255	58 57
4	453	9312		848	3010		194	6302		3698	246	56
5	477	9492		832	2922		238	6570	4.47	3430	237	55
Ğ	501	9672	2.99	815	2833		281	6839	****	3161	229	54
7	524	9852		798	2744		325	7108		2892	220	53
8	548 572	$9.760031 \\ 0211$		782 765	$2655 \\ 2566$		368 412	$\begin{array}{c} 7376 \\ 7644 \end{array}$		$2624 \\ 2356$	$\frac{211}{202}$	$\frac{52}{51}$
10	57596	9.760390	2.99	81748	9.912477	1.48	70455	9.847913	4.47	0.152087		50
11	619	0569	2.98	731	2388	1.40	499	8181	4.47	1819	1.4193	49
12	643	0748		714	2299	1.49	542	8449		1551	176	48
13	667	0927		698	2210		586	8717		1283	167	47
14	691	1106		681	2121		629	8986		1014	158	46
15	715	$\frac{1285}{1464}$		664	$2031 \\ 1942$		673	9254		0746	150	45
16 17	738 762	1642	2.97	647 631	1853		717 760	$9522 \\ 9790$	4.46	$0478 \\ 0210$	141 132	44
18	786	1821	2.01	614	1763		804	9.850057	1.10	0.149943	124	42
19	810	1999		597	1674		848	0325		9675	115	- 41
20	57833	9.762177	2.97	81580	9.911584	1.49	70891	9.850593	4.46	0.149407	1.4106	40
21	857	2356		563	1495		935	0861		9139	097	39
$\frac{22}{23}$	881	$2534 \\ 2712$	2.96	546	1405	1 50	979	1129		8871	089	38
24	904 928	2889		530 513	1315 1226	1.50	71023 066	$1396 \\ 1664$		8604 8336	080 071	$\frac{37}{36}$
25	952	3067		496	1136		110	1931		8069	063	35
26	976	3245		479	1046		154	2199		7801	054	34
27	929	3422		462	0956		198	2466		7534	045	33
28	58023	3600	2.95	445	0866		242	2733	4.45	7267	937	32
29	047	3777		428	0776		285	3001		6999	028	31
<b>30</b> 31	58070	9.763954 $4131$	2.95	81412	9.910686	1.50	71329	9.853268	4.45	0.146732	1.4019	30 29
32	094 118	4308		395 378	$0596 \\ 0506$		373 417	$\frac{3535}{3802}$		$\begin{array}{c} 6465 \\ 6198 \end{array}$	011 002	28
33	141	4485	2.94	361	0415		461	4069		5931	1.3994	27
34	165	4662		344	0325	1.51	505	4336		5664	985	26
35	189	4838		327	0235		549	4603		5397	976	25
36	212	5015		310	0144		593	4870		5130	968	24
37 38	236 260	5191 5367		293 276	0054 $9.909963$		637 681	$5137 \\ 5404$		$\frac{4863}{4596}$	959 951	$\begin{array}{c} 23 \\ 22 \end{array}$
39	283	5544	2.93	259	9873		725	5671	4.44	4329	942	21
40	58307	9.765720	2.93	81242	9.909782	1.51	71769	9.855938	4.44	0.144062	1.3934	20
41	330	5896	2.00	225	9691	1.01	813	6204	1.11	3796	925	19
42	354	6072		208	9601		857	6471		3529	916	18
43 44	378	$6247 \\ 6423$		191	9510		901	6737		3263	908	17 16
	401		0.00	174	9419		946	7004		2996	899	
45 46	425 449	$6598 \\ 6774$	2.92	157 140	9328 9237	1.52	990 72034	$7270 \\ 7537$		$2730 \\ 2463$	891 882	15 14
47	472	6949		123	9146		078	7803		2197	874	13
48	496	7124		106	9055		122	8069		1931	865	12
49	519	7300		089	8964		167	8336		1664	857	11
50	58543	9.767475	2,91	81072	9.908873	1.52	72211	9.858602	4.43	0.141398	1.3848	10
$\begin{array}{c} 51 \\ 52 \end{array}$	567 590	$7649 \\ 7824$		055 038	8781 8690		$\frac{255}{299}$	$8868 \\ 9134$		$\frac{1132}{0866}$	840 831	9 8
53	614	7999		038	8599		344	9400		0600	823	7
54	637	8173		004	8507		388	9666		0334		6
55	661	8348	2.90	80987	8416	1.53	432	9932		0068	806	5
56	684	8522		970	8324		477	9.860198		0.139802	798	4
57 58	708	$8697 \\ 8871$		953	8233		521	0464		$9536 \\ 9270$	789	$\frac{3}{2}$
58 59	731 755	9045		936 919	8141 8049		565 610	$0730 \\ 0995$		9270	781 772	1
60	58779	9.769219		80902	9.907958		72654	9.861261		0.138739	1.3764	0
			Dir			To 1.0	<u> </u>		D.11			
125°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	54°
		Cosines.			Sines.		Cot	angents.		Tange	nts.	

36°		G:			Cosines.		-	n me 4 -		C-1	4-	
90	Nat.	Sines.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Cotange Log.	Nat.	143°
0'	F0770		0.00	00000		1.50	70074		4.40			COL
1	58779 802	9.769219 $9393$	2.90 2.89	80902 885	9.907958 $7866$	1.53	72654 699	$9.861261 \\ 1527$	4.43	$0.138739 \\ 8473$	1.3764 755	<b>60'</b> 59
2	826	9566	2.00	867	7774		743	1792	4.42	8208	747	58
3	849	9740		850	7682		788	2058		7942	739	57
4	873	9913		833	7590		832	2323		7677	730	56
5	896	9.770087		816	7498		877	2589		7411	722	55
6	920	0260	2.88	799	7406		921	2854		7146	713	54
7	943	0433		782	7314	1.54	966	3119		6881	705	53
8 9	967 990	0606 0779		765 748	$7222 \\ 7129$		73010 055	3385 3650		6615 6350	697 688	52 51
10			0.00									50
11	59014 037	9.770952 $1125$	2.88	80730 713	9.907037 6945	1.54	73100 144	9.863915 4180	4.42	$0.136085 \\ 5820$	$1.3680 \\ 672$	49
12	061	1298	2.87	696	6852		189	4445		5555	663	48
13	084	1470		679	6760		234	4710		5290	655	47
14	108	1643		662	6667		278	4975	4.41	5025	647	46
15	131	1815		644	6575		323	5240		4760	638	45
16	154	1987		627	6482		368	5505		4495	630	. 44
17	178	2159	0.55	610	6389	1.55	413	5770		4230	622	43
18 19	201 225	$2331 \\ 2503$	2.86	593	$6296 \\ 6204$		457	6035 6300		3965	613	42 41
			0	576			502			3700	605	
20 21	59248	9.772675 $2847$	2.86	80558	9.906111	1.55	73547	$9.866564 \\ 6829$	4.41	0.133436 3171	1.3597	<b>40</b> 39
22	272 295	3018		541 524	6018 5925		592 637	7094		2906	588 580	38
23	318	3190		507	5832		681	7358		2642	572	37
24	342	3361	2.85	489	5739		726	7623		2377	564	36
25	365	3533		472	5645		771	7887		2113	555	35
26	389	3704		455	5552		816	8152	4.40	1848	547	34
27	412	3875		438	5459		861	8416		1584	539	33
28	436	4046		420	5366	1.56	906	8680		1320	531	32
29	459	4217		403	5272		951	8945		1055	522	31
30	59482	9.774388	2.84	80386	9.905179	1.56	73996	9.869209	4.40	0.130791	1.3514	30
$\begin{array}{c} 31 \\ 32 \end{array}$	506	4558		368	5085		74041	9473		0527	506	29
33	529 552	4729 4899		351 334	4992 4898		086 131	9737 $9.870001$		$0263 \\ 0.129999$	498 490	,728 27
34	576	5070		316	4804		176	0265		9735	481	26
35	599	5240		299	4711		221	0529		9471	473	25
36	622	5410	2.83	282	4617		267	0793		9207	465	24
37	646	5580	00	264	4523		312	1057		8943	457	23
38	669	5750		247	4429	1.57	357	1321		8679	449	22
39	693	5920		230	4335		402	1585		8415	440	21
40	59716	9.776090	2.83	80212	9.904241	1.57	74447	9.871849	4.39	0.128151	1,3432	20
41	739	6259		195	4147		492	2112		7888	424	19
42 43	763	$6429 \\ 6598$	2.82	178	$\frac{4053}{3959}$		538	$2376 \\ 2640$		7624 7360	416 408	18 17
44	786 809	6768		160 143	3864		583 628	2903		7097	408	16
45	832	6937		125	3770		674	3167		6833	392	15
46	856	7106		108	3676		719	3430		6570	384	14
47	879	7275	2.81	091	3581		764	3694		6306	375	13
48	902	7444		073	3487		810	3957		6043	367	12
49	926	7613		056	3392	1.58	855	4220		5780	359	11
50	59949	9.777781	2.81	80038	9.903298	1.58	74900	9.874484	4.39	0.125516	1.3351	10
51	972	7950		021	3203		946	4747		5253	343	9
52 53	995	8119	0.00	003	3108		991	$\frac{5010}{5273}$	4 20	$\frac{4990}{4727}$	335	8 7
54	60019 042	$8287 \\ 8455$	2.80	79986 968	$3014 \\ 2919$		75037 082	$5273 \\ 5537$	4.38	4463	327 319	6
55										4200	311	5
56	065 089	$8624 \\ 8792$		951 934	$2824 \\ 2729$		128 173	5800 6063		3937	303	4
57	112	8960		916	2634		219	6326		3674	295	3
58	135	9128		899	2539		264	6589		3411	287	2
59	158	9295	2.79	881	2444	1.59	310	6852		3148	278	1
60	60182	9.779463		79864	9.902349		75355	9.877114		0.122886	1.3270	0
126°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	53°
ANU		Nat. Log. Dif.			Sines.	_	Cot	angents.		Tange	nts.	00.

0.20		Sines.			Cosines.		Ta	ngents.		Cotange	ents.	1400
37°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	142°
0'	60182	9.779463	2,79	79864	9.902349	1.59	75355	9.877114	4.38	0,122886	1.3270	60'
1	205	9631	2.13	846	2253	1.00	401	7377	*****	2623	262	59
2	228	9798		829	2158		447	7640		2360	254	58∉
3	251	9966		811	2063		492	7903		2097	246	57
4	274	9.780133		793	1967		538	8165		1835	238	56
5	298	0300	2.78	776	1872		584	8428		1572	230	55
6	321	0467		758	1776		629	8691		1309	222	54
7	344	0634		741	1681		675	8953	4.37	1047	214	53
8	367	0801		723	1585		721	9216		0784	206	52
9	390	0968		706	1490		767	9478		0522	198	51
10	60414	9.781134	2.78	79688	9.901394	1.60	75812	9.879741	4.37	0.120259	1.3190	50
11	437	1301	2,77	671	1298		858	9.880003		0.119997	182	49
12	460	1468		653	1202		904	0265		9735	175	48
13	483	1634		635	1106		950	0528		9472	167	47
14	506	1800		618	1010		996	0790		9210	159	46
15	529	1966		600	0914		76042	1052		8948	151	45
16	553	2132		583	0818		088	1314		8686	143	44
17	576	2298	2.76	565	0722		134	1577		8423	135	43
18	599	2464		547	0626		180	1839		8161	127	42
19	622	2630		530	0529		226	2101		7899	119	41
20	60645	9.782796	2.76	79512	9.900433	1.61	76272	9.882363	4.36	0.117637	1.3111	40
21	668	2961		494	0337		318	2625		7375	103	39
22	691	3127		477	0240		364	2887		7113	095	38
23	714	3292	2.75	459	0144		410	3148		6852	087	37
24	738	3458		441	0047		456	3410		6590	079	36
25	761	3623		424	9.899951		502	3672		6328	072	35
26	784	3788		406	9854		548	3934		6066	064	34
27	807	3953		388	9757		594	4196		5804	056	33
28	830	4118		371	9660		640	4457		5543	048	32
29	- 853	4282	2.74	353	9564		686	4719		5281	040	31
30	60876	9.784447	2.74	79335	9.899467	1.62	76733	9.884980	4.36	0.115020	1.3032	30
31	899	4612		318	9370		779	5242		4758	024	29
32	922	4776		300	9273		825	5504		4496	017	28
33	945	4941		282	9176		871	5765		4235	009	27
34	968	5105		264	9078		918	6026		3974	001	26
35	991	5269	2.73	247	8981		964	6288		3712	1.2993	25
36	61015	5433		229	8884		77010	6549	4.35	3451	985	24
37	038	5597		211	8787		057	6811		3189	977	23
38	061	5761		193	8689		103	7072		2928	970	22
39	084	5925		176	8592		149	7333		2667	962	21
40	61107	9,786089	2.73	79158	9.898494	1.63	77196	9.887594	4.35	0.112406	1.2954	20
41	130	6252	2.72	140	8397		242	7855		2145	946	19
42	153	6416		122	8299		289	8116		1884	938	18
43	176	6579		105	8202		335	8378		1622	931	17
44	199	6742		087	8104		382	8639		1361	923	16
45	222	6906		069	8006		428	~8900		1100	915	15
46	245	7069		051	7908		475	9161		0839	907	14
47	268	7232		033	7810		521	9421		0579	900	13
48	291	7395		016	7712		568	9682		0318	892	12
49	314	7557		78998	7614		615	9943		0057	884	11
50	61337	9.787720		78980	9.897516	1.63	77661	9.890204	4.34	0.109796	1.2876	10
51	360	7883		962	7418	1.64	708	0465		9535	869	9
52	383	8045		944	7320		754	0725		9275	861	8
53	406	8208		926	7222		801	0986		9014	853	7
54	429	8370		908	7123		848	1247		8753	846	6
55	451	8532		891	7025		895	1507		8493	838	5
56	474	8694		873	6926		941	1768		8232	830	4
57	497	8856		855	6828		988	2028		7972	822	3
58	520	9018		837	6729		78035	2289		7711	815	2
59	543			819	6631		082	2549		7451	807	$\begin{bmatrix} 1 \\ 0 \end{bmatrix}$
60	61566	9.789342		78801	9.896532		78129	9.892810		0.107190	1.2799	U
1000	Nat	. Log.	Dif.	Nat.	Log.	Dif.	Nat.	. Log.	Dif.	Log.	Nat.	200
127°	-	Cosines.			Sines.		Co	tangents.		Tange	nts.	52°
	1			1			1					1

_					_								
3	8°	Nat.	Sines.	Dif.	Nat.	Cosines.	Dif.	Nat.	ingents.	Dif.	Cotange		141°
_		Nat.	Log.	1711.	Nat.	Log.	1711.	Nat.	Log.	Dit.	Log.	Nat.	
1	0'	61566	9.789342	2.69	78801	9.896532	1.64	78129	9.892810	4.34		1.2799	60'
	$\frac{1}{2}$	589 612	$9504 \\ 9665$		783 765	6433 6335	1.65	175 222	$\frac{3070}{3331}$		6930 6669	792 784	59 58
1	3	635	9827		747	6236		269	3591		6409	776	57
1	4	658	9988		729	6137		316	3851		6149	769	56
1	5	681	9.790149	2.68	711	6038		363	4111		5889	761	55
1	$\ddot{6}$	704	0310	2.00	694	5939		410	4372		5628	753	54
1	7	726	0471		676	5840		457	4632	4.33	5368	746	53
1	8	749	0632		658	5741		504	4892		5108	738	52
Ι.	9	772	0793		640	5641		551	5152		4848	731	51
	0	61795	9.790954	2.68	78622	9.895542	1.65	78598	9.895412	4.33		1.2723	50
	$\frac{1}{2}$	818	$\frac{1115}{1275}$	2.67	604 586	5443 5343	1.66	645	$\begin{array}{c} 5672 \\ 5932 \end{array}$		$\frac{4328}{4068}$	715 708	49 48
	13	841 864	1436	2.64	568	5244		692 739	6192		3808	700	47
	4	887	1596		550	5145		786	6452		3548	693	46
1	lő	909	1757		532	5045		834	6712		3288	685	45
	16	932	1917		514	4945		881	6971		3029	677	44
	17	955	2077		496	4846		928	7231		2769	670	43
	18	978	2237	2.66	478	4746		975	7491		2509	662	42
•	19	62001	2397		460	4646		79022	7751		2249	655	41
	0	62024	9.792557	2.66	78442	9.894546	1.66	79070	9.898010	4.33		1.2647	40
	$\begin{bmatrix} 21 \\ 22 \end{bmatrix}$	046 069	$\frac{2716}{2876}$		424 405	4446 4346	1.67	117 164	$8270 \\ 8530$		$1730 \\ 1470$	640 632	39 38
	23	092	3035		387	4246		212	8789		1211	624	37
	24	115	3195	2.65	369	4146		259	9049	4.32	0951	617	36
1	25	138	3354		351	4046		306	9308		0692	609	35
	26	160	3514		333	3946		354	9568		0432	602	34
2	27	183	3673		315	3846		401	9827		0173	594	33
	28	206	3832		297	3745		449	9.900087		0.099913	587	32
	29	229	3991		279	3645		496	0346		9654	579	31
	0	62251	9.794150	2.64	78261	9.893544	1.67	79544	9.900605	4.32	0.099395	1.2572	30
	31 32	274	4308		243	3444	1.68	591	. 0864		9136 8876	564	29 28
	33	297 320	$\begin{array}{c} 4467 \\ 4626 \end{array}$		225 206	3343 3243		639 686	$\frac{1124}{1383}$		8617	557 549	27
	34	342	4784		188	3142		734	1642		8358	542	26
	35	365	4942		170	3041		781	1901		8099	534	25
	36	388	5101		152	2940		829	2160		7840	527	24
	37	411	5259	2.63	134	2839		877	2420		7580	519	23
	38	433	5417		116	2739		924	2679		7321	512	22
	39	456	5575		098	2638		972	2938		7062	504	21
	10	62479	9.795733	2.63	78079	9.892536	1.68	80020	9.903197	4.31	0.096803	1.2497	20
	41	502	5891		061	2435	1.69	067	3456 2714		6544	489 482	19 18
	42 43	524 547	$6049 \\ 6206$		043 025	$2334 \\ 2233$		115 163	$3714 \\ 3973$		$\frac{6286}{6027}$	482	17
	14	570	6364	2.62	025	$\frac{2233}{2132}$		211	4232		5768	467	16
	45	592	6521		77988	2030		258	4491		5509	460	15
	46	615	6679		970	1929		306	4750		5250	452	14
4	17	638	6836		952	1827		354	5008		4992	445	13
	48	660	6993		934	1726		402	5267		4733	437	12
	49	683	7150		916	1624		450	5526		4474	430	11
	50	62706	9.797307	2.61	77897	9.891523	1.70	80498	9.905785	4.31	0.094215	1.2423	10
	$51 \\ 52$	728	7464		879	1421		546	$6043 \\ 6302$		$\frac{3957}{3698}$	415 408	9
	52	751 774	$7621 \\ 7777$		861 843	$1319 \\ 1217$		594 642	6560		3440	401	7
	54	796	7934		824	1115		690	6819		3181	393	6
	55	819	8091		806	1013		738	7077		2923	386	5
	56	842	8247		788	0911		786	7336		2664	378	4
	57	864	8403	2.60	769	0809		834	7594		2406	371	3
	58	887	8560		751	0707		882	7853	4.00	2147	364	$\frac{2}{1}$
	59	909	8716		733	0605		930	8111	4.30	1889	356	
	60	62932	9.798872		77715	9.890503		80978	9.908369		0.091631	1.2349	0
1.	000	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	51°
1,	28°		Cosines.			Sines.		Cot	angents.		Tange	nts.	91
L		I			1								

39°		Sines.			Cosines.		-	ingents.		Cotange		140°
	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
0' 1 2 3 4	62932 955 977 63000 022	9.798872 9028 9184 9339 9495		77715 696 678 660 641	$\begin{array}{c} 9.890503 \\ 0400 \\ 0298 \\ 0195 \\ 0093 \end{array}$	1.70 1.71	80978 81027 075 123 171	$\begin{array}{c} 9.908369 \\ 8628 \\ 8886 \\ 144 \\ 9402 \end{array}$	4.30	$\begin{array}{c} 0.091631 \\ 1372 \\ 1114 \\ 0856 \\ 0598 \end{array}$	1.2349 342 334 327 320	<b>60'</b> 59 58 57 56
5 6 7 8 9	045 068 090 113 135	9651 9806 9962 9.800117 0272	2.58	623 605 586 568 550	9.889990 9888 9785 9682 9579		220 268 316 364 413	$\begin{array}{c} 9660 \\ 9918 \\ 9.910177 \\ 0435 \\ 0693 \end{array}$		$0340 \\ 0082 \\ 0.089823 \\ 9565 \\ 9307$	312 305 298 290 283	55 54 53 52 51
10 11 12 13 14	63158 180 203 225 248	9.800427 0582 0737 0892 1047		77531 513 494 476 458	9.889477 9374 9271 9168 9064	1.71 1.72	81461 510 558 606 655	$\begin{array}{c} 9.910951 \\ 1209 \\ 1467 \\ 1725 \\ 1982 \end{array}$	4.30	0.089049 8791 8533 8275 8018	1.2276 268 261 254 247	50 49 48 47 46
15 16 17 18 19	271 293 316 338 361	1201 1356 1511 1665 1819		439 421 402 384 366	8961 8858 8755 8651 8548		703 752 800 849 898	$\begin{array}{c} 2240 \\ 2498 \\ 2756 \\ 3014 \\ 3271 \end{array}$	4.29	7760 7502 7244 6986 6729	239 232 225 218 210	45 44 43 42 41
20 21 22 23 24	63383 406 428 451 473	$\begin{array}{r} 9.801973 \\ 2128 \\ 2282 \\ 2436 \\ 2589 \end{array}$	2.56	77347 329 310 292 273	9.888444 8341 8237 8134 8030	1.73	81946 995 82044 092 141	$\begin{array}{r} 9.913529 \\ 3787 \\ 4044 \\ 4302 \\ 4560 \end{array}$	4.29	$\begin{array}{c} 0.086471 \\ 6213 \\ 5956 \\ 5698 \\ 5440 \end{array}$	1.2203 196 189 181 174	40 39 38 37 36
25 26 27 28 29	496 518 540 563 585	2743 2897 3050 3204 3357		255 236 218 199 181	7926 7822 7718 7614 7510		190 238 287 336 385	4817 5075 5332 5590 5847		5183 $4925$ $4668$ $4410$ $4153$	167 160 153 145 138	35 34 33 32 31
30 31 32 33 34	63608 630 653 675 698	9.803511 3664 3817 3970 4123		77162 144 125 107 088	9.887406 7302 7198 7093 6989		82434 483 531 580 629	9.916104 6362 6619 6877 7134	4.29	$\begin{array}{c} 0.083896 \\ 3638 \\ 3381 \\ 3123 \\ 2866 \end{array}$	1.2131 124 117 109 102	30 29 28 27 26
35 36 37 38 39	720 742 765 787 810	4276 $4428$ $4581$ $4734$ $4886$		070 051 033 014 76996	6885 6780 6676 6571 6466		678 727 776 825 874	7391 7648 7906 8163 8420	4.28	2609 2352 2094 1837 1580	095 088 081 074 066	25 24 23 22 21
40 41 42 43 44	63832 854 877 899 922	9.805039 5191 5343 5495 5647	2.53	76977 959 940 921 903	9.886362 6257 6152 -6047 5942		82923 972 83022 071 120	9.918677 8934 9191 9448 9705	4.28	$\begin{array}{c} 0.081323 \\ 1066 \\ 0809 \\ 0552 \\ 0295 \end{array}$	1.2059 052 045 038 031	20 19 18 17 16
45 46 47 48 49	944 966 989 64011 033	5799 5951 6108 6254 6406	3 1 3 2.52	884 866 847 828 810	5837 5732 5627 5522 5416		169 218 268 317 366	9962 9,920219 0476 0733 0990		$0038 \\ 0.079781 \\ 9524 \\ 9267 \\ 9010$	024 $017$ $010$ $002$ $1.1995$	15 14 13 12 11
50 51 52 53 54	64056 078 100 123 145	9.806557 6709 6860 7011 7168	) )	76791 772 754 735 717	9,885311 5205 5100 4994 4889		83415 465 514 564 613	9.921247 1503 1760 2017 2274	4.28	8497 8240 7983 7726	1,1988 981 974 967 960	10 9 8 7 6
55 56 57 58 59 <b>60</b>	167 190 212 234 256 64279	7314 7465 7616 7766 7917 9,808067	5 2.51 5	698 679 661 642 -623 76604	4783 4677 4572 4466 4360 9.884254		662 712 761 811 860 83910	2530 2787 3044 3300 3557 9,923814	4.27	7470 $7213$ $6956$ $6700$ $6443$ $0.076186$	953 946 939 932 925 1.1918	5 4 3 2 1 0
129°	Nat.		Dif.	Nat.		Dif.	Nat.		Dif.	Log. Tange	Nat.	50°

		~.										
40°	Nat.	Sines.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Cotang Log.	Nat.	139°
	, vai.	Log.		I Nat.	Log.		I wat.	Log.	Dit.	1.0g.	Nat.	
0'	64279	9.808067	2.51	76604	9.884254	1.77	83910	9.923814	4.27	0.076186	1.1918	60'
$\frac{1}{2}$	301	8218 8368		586	$\frac{4148}{4042}$		960 84009	$\frac{4070}{4327}$		5930 5672	910	59 58
3	323 346	8519	2.50	567 548	3936		059	4583		$5673 \\ 5417$	903 896	57
4	368	8669	2.00	530	3829		108	4840		5160	889	56
5	390	8819		511	3723		158	5096		4904	882	55
6	412	8969		492	3617		208	5352		4648	875	54
7	435	9119		473	3510		258	5609		4391	868	53
8	457	9269		455	3404		307	5865		4135	861	52
9	479	9419	2.49	436	3297	1.78	357	6122		3878	854	51
10	64501	9.809569	2.49	76417	9,883191	1.78	84407	9.926378	4.27	0.073622	1.1847	50
$\begin{array}{c} 11 \\ 12 \end{array}$	524	9718 9868		398	$\frac{3084}{2977}$		457 507	$6634 \\ 6890$		$\frac{3366}{3110}$	840 833	49 48
13	546 568	9.810017		380 361	2871		556	7147		2853	826	47
14	590	0167		342	2764		606	7403		2597	819	46
15	612	0316	2.48	323	2657		656	7659		2341	812	45
16	635	0465	2.10	304	2550		706	7915		2085	806	44
17	657	0614		286	$24\overline{4}3$		756	8171		1829	799	43
18	679	0763		267	2336	1.79	806	8427		1573	792	42
19	701	0912		248	2229		856	8684		1316	785	41
20	64723	9.811061	2.48	76229	9.882121	1.79	84906	9.928940	4.27	0.071060	1.1778	40
$\frac{21}{22}$	746	1210		210	$\frac{2014}{1907}$		956	$9196 \\ 9452$		$0804 \\ 0548$	771	39 38
23	768 790	1358 1507	2.47	192 173	1799		85006 057	9708		0292	764 757	37
24	812	1655	2.71	154	1692		107	9964	4.26	0036	750	36
25	834	1804		135	1584		157	9.930220		0.069780	743	35
26	856	1952		116	1477		207	0475		9525	736	34
27	878	2100		097	1369		257	0731		9269	729	33
28	901	2248		078	1261	1.80	308	0987		9013	722	32
29	923	2396	2.46	059	1153		358	1243		8757	715	31
30	64945	9.812544	2.46	76041	9.881046	1.80	85408	9.931499	4.26	0.068501	1.1708	30
31	967	2692		022	0938		458	$1755 \\ 2010$		8245 7990	702	29 28
32 33	989 65011	$\frac{2840}{2988}$		003 75984	$0830 \\ 0722$		509 559	$\frac{2010}{2266}$		7734	695 688	27
34	033	3135		965	0613		610	2522		* 7478	681	26
35	055	3283		946	0505		660	2778		7222	674	25
36	077	3430		927	0397		710	3033		6967	667	24
37	100	3578	2.45	908	0289	1.81	761	3289		6711	660	23
38	122	3725		889	0180		811	3545		6455	653	22
39	144	3872		870	0072		862	3800		6200	647	21
40	65166	9.814019	2.45	75851	9.879963	1.81	85912	9.934056	4.26	0.065944	1.1640	<b>20</b> 19
41 42	188	4166 4313		832	9855 9746		963	$\frac{4311}{4567}$		$\frac{5689}{5433}$	633 626	18
43	210 232	4460	2.44	813 794	9637		86014 064	4822		5178	619	17
44	254	4607		775	9529		115	5078		4922	612	16
45	276	4753		756	9420		166	5333		4667	606	15
46	298	4900		738	9311		216	5589		4411	599	14
47	320	5046		719	9202	1.82	267	5844		4156	592	13
48	342	5193		700	9093		318	6100		3900	585	12
49	364	5339		680	8984		368	6355		3645	578	11
50	65386	9.815485	2.43	75661	9.878875	1.82	86419	9.936611	4.26	0.063389 3134	1.1571	10
51 52	408 430	5632 5778		642 623	8766 8656		470 521	$6866 \\ 7121$	4.25	2879	565 558	8
53	452	5924		604	8547		572	7377		2623	551	7
54	474	6069		585	8438		623	7632		2368	544	6
55	496	6215		566	8328		674	7887		2113	538	5
56	518	6361		547	8219	1.83	725	8142		1858	531	. 4
57	540	6507	2.42	528	8109		776	8398		1602	524	3
58	562	6652 6708		509	7999 7800		827	8653 8008		$1347 \\ 1092$	517 510	$\frac{2}{1}$
59	584	6798		490	7890		878	8908				Ô
60	65606	9.816943		75471	9.877780		86929	9.939163		0.060837	1.1504	
130°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	49°
190		Cosines.			Sines.		Cot	angents.		Tange	nts.	TO
	1			1			1					1

	-	612	-		Cosines.	- 1	To	ngents.	-	Cotange	nte	
41°	Nat.	Sines.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	138°
	1446.											
<b>0'</b>	65606 628	9.816943 $7088$	2,42	$75471 \\ 452$	$9.877780 \\ 7670$	1.83	86929 980	9.939163 $9418$	4.25	$\begin{array}{c} 0.060837 \\ 0582 \end{array}$	1.1504 497	<b>60'</b> 59
2	650	7233		433	7560		87031	9673		0327	490	58
$\frac{2}{3}$	672	7379		414	7450		082	9928		0072	483	57
4	694	7524	2.41	395	7340		133	9.940183		0.059817	477	56
5	716	7668		375	7230	1.84	184	0439		9561	470	55
6	738	7813		356	7120		236	0694		9306	463	54
7	759	7958		337	7010		287	0949		$9051 \\ 8796$	456	$\frac{53}{52}$
$\frac{8}{9}$	781 803	8103 8247		318 299	$6899 \\ 6789$		338 389	$\frac{1204}{1459}$		8541	450 443	51
	65825	9.818392	0.41		9.876678	1.84	87441	9.941713	4.25	0.058287	1.1436	50
10 11	65825 847	8536	$\frac{2.41}{2.40}$	75280 261	6568	1.04	492	1968	4.20	8032	430	49
12	869	8681	2.10	241	6457		543	2223		7777	423	48
13	891	8825		222 .			595	2478		7522	416	47
14	913	8969		203	6236	1.85	646	2733		7267	410	46
15	935	9113		184	6125		698	2988		7012	403	45
16	956	9257		165	6014		749	$\frac{3243}{3498}$		$\begin{array}{c} 6757 \\ 6502 \end{array}$	396 389	44 43
17 18	978 66000	$9401 \\ 9545$		146 126	5904 5793		801 852	3752		6248	389 383	42
19	022	9689	2.39	107	5682		904	4007		5993	376	41
20	66044	9.819832	2.39	75088	9.875571	1.85	87955	9.944262	4.25	0.055738	1,1369	40
21	066	9976	2.00	069	5459	1.00	88007	4517		5483	363	39
22	088	9.820120		050	5348		059	4771	4.24	5229	356	38
23	109	0263		030	5237		110	5026		4974	349	37
24	131	0406		011	5126	1.86	162	5281		4719	343	36
25	153	0550	2.38	74992	5014		214	5535		4465	336	$\frac{35}{34}$
$\begin{array}{c} 26 \\ 27 \end{array}$	175	0693		973	$\frac{4903}{4791}$		265 317	5790 6045		$\frac{4210}{3955}$	329 323	$\frac{34}{33}$
28	197 218	$0836 \\ 0979$		953 934	4680		369	6299		3701	316	$\frac{33}{32}$
29	240	1122		915	4568		421	6554		3446	310	31
30	66262	9.821265	2.38	74896	9.874456	1.86	88473	9.946808	4.24	0.053192	1.1303	30
31	284	1407		876	4344		524	7063		2937	296	29
32	306	1550		857	4232	1.87	576	7318	-	2682	290	28
33 34	327	1693	2.37	838	$\frac{4121}{4009}$		628 680	$7572 \\ 7827$		$\frac{2428}{2173}$	283 276	$\begin{array}{c} 27 \\ 26 \end{array}$
	349	1835		818			1	8081		1919		25
35 36	371 393	$1977 \\ 2120$		799 780	$\frac{3896}{3784}$		732 784	8335		1665	$\frac{270}{263}$	$\frac{23}{24}$
37	414	2262		760	3672		836	8590		1410	257	23
38	436	2404		741	3560		888	8844		1156	250	22
39	458	2546		722	3448		940	9099		0901	243	21
40	66480	9.822688		74703	9.873335		88992	9.949353	4.24		1.1237	20
41	501	2830		683	3223		89045	9608		0392	230	19
42	523 545	$\frac{2972}{3114}$		664 644	$\frac{3110}{2998}$		097 149	9862 $9.950116$		$0138 \\ 0.049884$	224 217	18 17
44	566	$\frac{3114}{3255}$		625	2885		201	0371		9629	211	16
45	588	3397		606	2772		253	0625		9375	204	15
46	610	3539		586	2659		306	0879		9121	197	14
47	632	3680	2.35	567	2547		358	1133		8867	191	13
48	653	3821		548	2434		410	1388		8612	184	12
49	675	3963		528	2321		463	1642		8358	178	11
50 51	66697	9.824104 $4245$		74509	9.872208		89515	9.951896 $2150$	4.24	$0.048104 \\ 7850$	1.1171 165	10
52	718 740	4386		489 470	$2095 \\ 1981$		567 620	$\frac{2150}{2405}$		7595	158	8
53	762			451	1868		672	$\frac{2659}{2659}$		7341	152	7
54	783			431	1755		725	2913		7087	145	- 6
55	805			412	1641		777	3167	4.23		139	5
56	827	4949		392	1528		830	3421		6579	132	3
57 58	848			373	1414		882	3675 2020		$6325 \\ 6071$	126 119	$\frac{3}{2}$
59	870 891	$5230 \\ 5371$		353 334	1301 1187		935 988	$\frac{3929}{4183}$		5817	113	ī
60	66913			74314			90040			0.045563	1.1106	0
	*			-			-		****			1
131°	Nat		Dif.	Nat.		Dif.	Nat		Dif.		Nat.	48°
		Cosines.		1	Sines.		Co	tangents.		Tange	mts.	<u> </u>

		Sines.			Cosines.		T	angents.		Cotang	onts	
42°	Nat.		Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	137°
0.	1			l			1					1 400
0'	66913 935	$9.825511 \\ 5651$	2.34 $2.33$	74314 295	$9.871073 \\ 0960$	1.90	90040	9.954437 $4691$	4.23	0.045563 $5309$	1.1106 100	<b>60'</b> 59
2	956	5791	2.00	276	0846		146	4946		5054	093	58
3	978	5931		256	0732		199	5200		4800	087	57
4	999	6071		237	0618		251	5454		4546	080	56
5	67021	6211		217	0504		304	5708		4292	074	55
6	043	6351		198	0390		357	5961		4039	067	54
7 8	064	6491		178	0276		410	6215		3785	061	53
9	086 107	$6631 \\ 6770$	2.32	159 139	$0161 \\ 0047$	1.91	463 516	$6469 \\ 6723$		$3531 \\ 3277$	054 048	52 51
10	1	9.826910		1			1					50
11	67129 151	7049	2.32	74120 100	9.869933 $9818$	1.91	90569 621	9.956977 $7231$	4.23	0.043023 $2769$	1.1041 035	49
12	172	7189		080	9704		674	7485		$\frac{2100}{2515}$	028	48
13	194	7328		061	9589		727	7739		2261	022	47
14	215	7467		041	9474		781	7993		2007	016	46
15	237	7606		022	9360		834	8247		1753	009	45
16	258	7745		002	9245		887	8500		1500	003	44
17	280	7884	2.31	73983	9130		940	8754		1246	1.0996	43
18 19	301 323	$8023 \\ 8162$		963 944	9015 8900	1.92	993 91046	$9008 \\ 9262$		$0992 \\ 0738$	990 983	42 41
20			0.04	l					4.00			40
20	67344 366	$9.828301 \\ 8439$	2.31	73924 904	9.868785 8670	1.92	91099 153	9.959516 9769	4.23	0.040484 $0231$	1.0977 971	39
22	387	8578		885	8555		206	9.960023		0.039977	964	38
23	409	8716		865	8440		259	0277		9723	958	37
24	430	8855	2.30	846	8324		313	0530		9470	951	36
25	452	8993		826	8209		366	0784		9216	945	35
26	473	9131		806	8093		419	1038		8962	939	34
27	495	9269		787	7978	1.93	473	1292		8708	932	33
28	516	9407		767	7862		526	1545		8455	926	32
29	538	9545		747	7747		580	1799		8201	919	31
30	67559	9.829683	2.30	73728	9.867631	1.93	91633	9.962052	4.23	0.037948	1.0913	30
$\begin{array}{c} 31 \\ 32 \end{array}$	580	9821 9959	2.29	708	7515 7399		687	$\frac{2306}{2560}$		$7694 \\ 7440$	907 900	29 28
33	602 623	9.830097		688 669	7283		740 794	2813		7187	894	27
34	645	0234		649	7167		847	3067		6933	888	26
35	666	0372		629	7051		901	3320		6680	881	25
36	688	0509		610	6935	1.94	955	3574		6426	875	24
37	709	0646		590	6819		92008	3828		6172	869	23
38	730	0784		570	6703		062	4081		5919	862	22
39	752	0921	2.28	551	6586		116	4335	4.22	5665	856	21
40	67773	9.831058	2.28	73531	9.866470	1.94	92170	9.964588	4.22	0.035412	1.0850	20
$\begin{array}{c} 41 \\ 42 \end{array}$	795	1195		511	6353		224	4842		5158	843	19 18
43	816 837	$1332 \\ 1469$		491 472	$6237 \\ 6120$		277 331	$5095 \\ 5349$		$\frac{4905}{4651}$	837 831	17
44	859	1606		452	6004	1.95	385	5602	,	4398	824	16
45	880	1742		432	5887		439	5855		4145	818	15
46	901	1879		413	5770		493	6109		3891	812	14 -
47	923	2015	2.27	393	5653		547	6362		3638	805	13
48	944	2152		373	5536		601	6616		3384	799	12
49	965	2288		353	5419		655	6869		3131	793	11
50	67987	9.832425	2.27	73333	9.865302	1.95	92709	9.967123	4.22	0.032877	1.0786	10
$\frac{51}{52}$	68008	$\frac{2561}{2607}$		314	5185		763	$7376 \\ 7629$		$2624 \\ 2371$	780 774	9
53	029 051	$\frac{2697}{2833}$		294 274	5068 4950		817 872	7883		$\frac{2371}{2117}$	768	7
54	072	2969	2.26	254	4833	1.96	926	8136		1864	761	6
55	093	3105		234	4716		980	8389		1611	1.0755	5
56	115	3241		215	4598		93034	8643		1357	749	4
57	136	3377		195	4481		088	8896		1104	742	3
58	157	3512		175	4363		143	9149		0851	736	2
59	179	3648		155	4245		197	9403		0597	730	1
60	68200	9.833783		73135	9.864127		93252	9.969656		0.030344	1.0724	6
1000	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	AMO
132°	1	Cosines.			Sines.			angents.	1	Tange		47°
L.		200111031				-	550					

		Sines.		T	Cosines.		T	ingents.		Cotang	ente	
43°	Nat.		Dif.	Nat.		Dif.	Nat.		Dif.	Log.	Nat.	136°
	1		\	1			<u>.                                    </u>					
0'	68200	9.833783 $3919$	2.26	73135	9.864127 $4010$	1.96	93252	9.969656	4.22	0.030344	1.0724	60'
$\frac{1}{2}$	221 242	4054	2.25	116 096	3892	1.97	306 360	9909 $9.970162$		$0091 \\ 0.029838$	717 711	59 58
3	264	4189		076	3774	1.01	415	0416		9584	705	57
4	285	4325		056	3656		469	0669		9331	699	56
5	306	4460		036	3538		524	0922		9078	692	55
6	327	4595		016	3419		578	1175		8825	686	54
7	349	4730		72996	3301		633	1429		8571	680	53
8	370	4865		976	3183		688	1682		8318	674	52
9	391	4999	2.24	957	3064		742	1935		8065	668	51
10	68412	9.835134 $5269$	2.24	72937	9.862946 $2827$	1.98	93797	9.972188 $2441$	4.22	0.027812	1.0661	50
$\begin{array}{c} 11 \\ 12 \end{array}$	434 455	5403		917 897	$\frac{2627}{2709}$		852 906	$\frac{2441}{2695}$		7559 7305	655 649	49 48
13	476	5538		877	2590		961	2948		7052	643	47
14	497	5672		857	2471		94016	3201		6799	637	46
15	518	5807		837	2353		071	3454		6546	630	45
16	539	5941		817	2234		125	3707		6293	624	44
17	561	6075	2.23	797	2115		180	3960		6040	618	43
18	582	6209		777	1996		235	4213		5787	612	42
19	603	6343		757	1877		290	4466		5534	606	41
20	68624	9.836477	2.23	72737	9.861758	1.99	94345	9.974720	4.22	0.025280	1.0599	40
21	645	6611		717	1638		400	4973		5027	593	39
22 23	666 688	6745 6878		697	1519 1400		455	$\frac{5226}{5479}$		$4774 \\ 4521$	587	38 37
24	709	7012	2,22	677 657	1280		510 565	$\begin{array}{c} 5479 \\ 5732 \end{array}$		$\frac{4521}{4268}$	581 575	36
25			2,22				ļ					35
26	730 751	$7146 \\ 7279$		637 617	$\frac{1161}{1041}$		620 676	$\frac{5985}{6238}$		$\begin{array}{c} 4015 \\ 3762 \end{array}$	569 562	34
27	772	7412		597	0922		731	6491		3509	556	33
28	793	7546		577	0802		786	6744		3256	550	32
29	814	7679		557	0682	2.00	841	6997		3003	544	31
30	68835	9.837812	2.22	72537	9.860562	2.00	94896	9.977250	4.22	0.022750	1.0538	30
31	857	7945		517	0442		952	7503		2497	532	29
32	878	, 8078	2.21	497	0322		9500	7756		2244	526	28
33 34	899	8211		477	0202		062	8009		1991	519	27
	920	8344		457	0082		118	8262		1738	513	26
35 36	941	8477		437	9.859962		173	8515		1485	507	25
37	962 983	8610 8742		417 397	$9842 \\ 9721$	2.01	229 284	$8768 \\ 9021$		$\frac{1232}{0979}$	501 495	$\begin{array}{c} 24 \\ 23 \end{array}$
38	69004	8875		377	9601	2.01	340	9274		0726	489	$\frac{23}{22}$
39	025	9007		357	9480		395	9527		0473	483	21
40	69046	9.839140	2,20	72337	9.859360	2.01	95451	9.979780	4.22	0.020220	1.0477	20
41	067	9272		317	9239	2.01	506	9.980033		0.019967	470	19
42	088	9404		297	9119		562	0286		9714	464	18
43	109	9536		277	8998		618	0538		9462	458	17
44	130	9668		257	8877		673	0791	4.21	9209	452	16
45	151	9800		236	8756	2.02	729	1044		8956	446	15
46 47	172	9932	0.40	216	8635		785	1297		8703	440	14
48	193 214	9.840064 0196	2.19	196 176	8514 8393		841 897	$\frac{1550}{1803}$		$8450 \\ 8197$	434 428	$\begin{array}{c} 13 \\ 12 \end{array}$
. 49	235	0328		156	8272		952	2056		7944	428	11
50	69256	9.840459	2.19	72136	9.858151	2.02	96008	9.982309	4.21		1.0416	10
51 -	277	0591	10	116	8029	2.02	064	2562	1.21	7438	410	9
52	298	0722		095	7908		120	2814		7186	404	8
53	319	0854		075	7786		176	3067		6933	398	7
54	340	0985		055	7665	2.03	232	3320		6680	392	6
55	361	1116	2.18	035	7543		288	3573		6427	385	5
56 57	382	$\frac{1247}{1278}$		015	$\frac{7422}{7300}$		344	3826		6174	379	3
58	403 424	$1378 \\ 1509$		71995 974	7178		400 457	$\frac{4079}{4332}$		$\frac{5921}{5668}$	373 367	$\frac{3}{2}$
59	445	1640		954	7056		513	4584		5416	361	ĩ
60	69466			71934	9.856934		96569	9.984837		0.015163	1.0355	0
133°	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	100
199		Cosines.	_		Sines.		Cot	angents.		Tange	nts.	46°
				1								

r				-				-		_			
l	44°		Sines.	~	-	Cosines.	77.14		ingents.		Cotange		135°
L		Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
ı	0'	69466	9.841771	2.18	71934	9.856934	2.03	96569	9.984837	4.21	,0.015163	1.0355	60'
I	1	487	1902		914	6812		625	5090		4910	349	59
ı	$\frac{2}{3}$	508	$2033 \\ 2163$	0.17	894	6690	2.04	681	5343		4657	343	58
١	4	529 549	$\begin{array}{c} 2105 \\ 2294 \end{array}$	2.17	873 853	$6568 \\ 6446$		738 794	$5596 \\ 5848$		$\frac{4404}{4152}$	337 331	57 56
١	5		2424		833	6323		850	6101		3899	325	55
ı	6	570 591	2555		813	6201		907	6354		3646	319	54
۱	7	612	2685		792	6078		963	6607		3393	313	53
ı	8	633	2815		772	5956		97020	6860		3140	307	52
ı	9	654	2946		752	5833		076	7112		2888	301	51
ı	10	69675	9.843076	2.17	71732	9.855711	2.05	97133	9.987365	4.21	0.012635	1.0295	50
ı	$\frac{11}{12}$	696	3206 3336	2,16	711	$5588 \\ 5465$		189	$7618 \\ 7871$		* 2382 2129	289	49 48
I	13	717 737	3466		691 671	5342		246 302	8123		1877	283 277	47
ı	14	758	3595		650	5219		359	8376		1624	271	46
I	15	779	3725		630	5096		416	8629		1371	265	45
ı	16	800	3855		610	4973		472	8882		1118	259	44
1	17	821	3984		590	4850		529	9134		0866	253	43
ı	18 19	842	4114	2.15	569	$4727 \\ 4603$	2.06	586	$9387 \\ 9640$		$0613 \\ 0360$	247	42 41
I		862	4243		549			643				241	
1	20 21	69883 904	9.844372 $4502$	2.15	71529 508	-9.854480 $4356$	2.06	97700 756	9.989893 9.990145	4.21	0.010107 $0.009855$	1.0235 230	<b>40</b> 39
1	22	925	4631		488	4233		813	0398		9602	224	38
I	23	946	4760		468	4109		870	0651		9349	218	37/
ł	24	966	4889		447	3986		927	0903		, 9097	212	36
ı	25	987	5018		427	3862	,	984	1156		8844	206	35
1	$\begin{array}{c} 26 \\ 27 \end{array}$	70008	5147		407	3738	~ ~=	98041	1409		8591	200	34
ı	28	029 049	5276 5405	2.14	386 366	3614 3490	2.07	098 155	$1662 \\ 1914$		8338 8086	194 188	33 32
I	29	070	5533		345	3366		213	2167		7833	182	31
I	30	70091	9.845662	2.14	71325	9.853242	2.07	98270	9.992420	4.21	0.907580	1.0176	30
1	31	112	5790	-,	305	3118		327	2672		7328	170	. 29
1	32	132	5919		284	2994		384	2925		7075	164	28
ı	33 34	153	6047		264	2869		441	3178		6822 6569	158	27 26
۱	35	174	6175		243	2745		499	3431			152	25
ı	36	195 215	$6304 \\ 6432$	2.13	223 203	$2620 \\ 2496$	2.08	556 613	3683 3936		6317 6064	147 141	25
ı	37	236	6560	2.10	182	2371	, 2,00	671	4189		5811	135	23
1	38	257	6688		162	2247		728	4441		5559	129	22
ı	39	277	6816		141	2122		786	4694		5306	123	21
ı	40	70298	9.846944	2.13	71121	9.851997	2.08	98843	9.994947	4.21		1.0117	20
١	41	319	7071		100	. 1872		901	$5199 \\ 5452$		4801 4548	111 105	19 18
ı	43	339 360	7199 7327		080 059	$1747 \\ 1622$		958 99016	5705		4295	099	17
ı	44	381	7454	2.12	039	1497	2.09	073	5957		4043	094	16
I	45	70401	7582		019	1372		131	6210		3790	088	15
ı	46	422	7709		70998	1246		189	6463		3537	082	14
	47	443	7836		978	1121		247	6715		3285	076	13
ı	48 49	463 484	796 <b>4</b> 8091		957 937	0996 0870		304 362	$6968 \\ 7221$		3032 2779	070 064	12
	50	i	9.848218	0 10	1	9.850745	2.09	l	9.997473	4 91	0.002527	1.0058	10
ı	51	70505 525	8345	2.12	70916 896	0619	2.09	99420 478	7726	7.41	2274	052	.10
1	52	546	8472	2.11	875	0493	2.10	536	7979		2021	047	8
	53	567	9599		855	0368		594	8231		1769	041	7
-	54	587	8726		834	0242		652	8484		1516	035	6
1	55 56	608	8852		813	0116		710	8737		1263	029~	5 4
	57	628 649	8979 9106		793 772	9.849990 9864		768 826	8989 9242		1011 0758	023 017	3
1	58	670	9232		752	9738		884	9495		0505	012	2
	59	690	9359		731	9611		942	9747		0253	006	1
	60	70711	9.849485		70711	9.849485		1.0000	0.000000		0.000000	1.0000	0
I		Nat.	Log.	Dif.	Nat.	Log.	Dif.	Nat.	Log.	Dif.	Log.	Nat.	
	134°		Cosines.	1711.	Tat.	Sines.	<u></u>		angents.	2711.	Tange		45°
1			Cosines.			Silles.		1 000	angents.		Lange		

No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.
0 1 2 3 4	$-\infty$ 0.000000 0.693147 1.098612 1.386294	60 61 62 63 64	4.094345 4.110874 4.127134 4.143135 4.158883	120 121 122 123 124	4.787492 4.795791 4.804021 4.812184 4.820282	180 181 182 183 184	5.192957 8497 5.204007 9486 5.214936	240 241 242 243 244	5.480639 4797 8938 5,493061 7168	300 301 302 303 304	5.703782 7110 5.710427 3733 7028
5 6 7 8 9	1.609438 1.791759 1.945910 2.079442 2.197225	65 66 67 68 69	4.174387 4.189655 4.204693 4.219508 4.234107	125 126 127 128 129	8314 4.836282 4.844187 4.852030 9812	185 186 187 188 189	5.220356 5747 5.231109 6442 5.241747	245 246 247 248 249	5.501258 5332 9388 5.513429 7453	305 306 307 308 309	5.720312 $3585$ $6848$ $5.730100$ $3341$
10 11 12 13 14	2.302585 2.397895 2.484907 2.564949 2.639057	70 71 72 73 74	4.248495 4.262680 4.276666 4.290459 4.304065	130 131 132 133 134	4.867534 4.875197 4.882802 4.890349 7840	190 191 192 193 194	$5.247024 \\ 5.252273 \\ 7495 \\ 5.262690 \\ 7858$	250 251 252 253 254	$5.521461 \\ 5453 \\ 9429 \\ 5.533389 \\ 7334$	310 311 312 313 314	5.736572 9793 5.743003 6203 9393
15 16 17 18 19	2.708050 2.772589 2.833213 2.890372 2.944439	75 76 77 78 79	4.317488 4.330733 4.343805 4.356709 4.369448	135 136 137 138 139	$\begin{array}{c} 4.905275 \\ 4.912655 \\ 9981 \\ 4.927254 \\ 4.934474 \end{array}$	195 196 197 198 199	$\begin{array}{c} 5.273000 \\ 8115 \\ 5.283204 \\ 8267 \\ 5.293305 \end{array}$	$\begin{array}{c} 255 \\ 256 \\ 257 \\ 258 \\ 259 \end{array}$	5.541264 5177 9076 5.552960 6828	315 316 317 318 319	5.752573 5742 8902 5.762051 5191
20 21 22 23 24	2.995732 3.044522 3.091042 3.135494 3.178054	80 81 82 83 84	4,382027 4,394449 4,406719 4,418841 4,430817	140 141 142 143 144	4.941642 8760 4.955827 4.962845 9813	200 201 202 203 204	5.298317 5.303305 8268 5.313206 8120	260 261 262 263 264	$5.560682 \\ 4520 \\ 8345 \\ 5.572154 \\ 5949$	320 321 322 323 324	$5.768321 \\ 5.771441 \\ 4552 \\ 7652 \\ 5.780744$
25 26 27 28 29	3.218876 3.258097 3.295837 3.332205 3.367296	85 86 87 88 89	4.442651 4.454347 4.465908 4.477337 4.488636	145 146 147 148 149	$\begin{array}{c} 4.976734 \\ 4.983607 \\ 4.990433 \\ 7212 \\ 5.003946 \end{array}$	205 206 207 208 209	$5.323010 \\ 7876 \\ 5.332719 \\ 7538 \\ 5.342334$	265 266 267 268 269	$\begin{array}{c} 9730 \\ 5.583496 \\ 7249 \\ 5.590987 \\ 4711 \end{array}$	325 326 327 328 329	3825 $6897$ $9960$ $5.793014$ $6058$
30 31 32 33 34	3.401197 3.433987 3.465736 3.496508 3.526361	90 91 92 93 94	4.499810 4.510860 4.521789 4.532599 4.543295	150 151 152 153 154	$5.010635 \\ 7280 \\ 5.023881 \\ 5.030438 \\ 6953$	210 211 212 213 214	$\begin{array}{c} 5.347108 \\ 5.351858 \\ 6586 \\ 5.361292 \\ 5976 \end{array}$	270 271 272 273 274	$\begin{array}{c} 5.598422 \\ 5.602119 \\ 5802 \\ 9472 \\ 5.613128 \end{array}$	330 331 332 333 334	$\begin{array}{c} 5.799093 \\ 5.802118 \\ 5135 \\ 8142 \\ 5.811141 \end{array}$
35 36 37 38 39	3,555348 3,583519 3,610918 3,637586 3,663562	95 96 97 98 99	4.553877 4.564348 4.574711 4.584967 4.595120	155 156 157 158 159	4.043425 9856 5.056246 5.062595 8904	215 216 217 218 219	5.370638 5278 9897 5.384495 9072	275 276 277 278 279	$6771 \\ 5.620401 \\ 4018 \\ 7621 \\ 5.631212$	335 336 337 338 339	$\begin{array}{c} 4131 \\ 7111 \\ 5.820083 \\ 3046 \\ 6000 \end{array}$
40 41 42 43 44	3.688879 3.713572 3.737670 3.761200 3.784190	100 101 102 103 104	4.605170 4.615121 4.624973 4.634729 4.644391	160 161 162 163 164	5.075174 5.081404 7596 5.093750 9866	220 221 222 223 224	5.393628 8163 5.402677 7172 5.411646	280 281 282 283 284	5.634790 8355 5.641907 5447 8974	340 341 342 343 344	$\begin{array}{c} 5.828946 \\ 5.831882 \\ 4811 \\ 7730 \\ 5.840642 \end{array}$
45 46 47 48 49	3.806662 3.828641 3.850148 3.871201 3.891820	105 106 107 108 109	4.653960 4.663439 4.672829 4.682131 4.691348	165 166 167 168 169	$\begin{array}{c} 5.105945 \\ 5.111988 \\ 7994 \\ 5.123964 \\ 9899 \end{array}$	225 226 227 228 229	$\begin{array}{c} 6100 \\ 5.420535 \\ 4950 \\ 9346 \\ 5.433722 \end{array}$	285 286 287 288 289	5.652489 5992 9482 5.662960 6427	345 346 347 348 349	$   \begin{array}{r}     3544 \\     6439 \\     9325 \\     5.852202 \\     5072   \end{array} $
50 51 52 53 54	3.912023 3.931826 3.951244 3.970292 3.988984	110 111 112 113 114	$\begin{array}{c} 4.700480 \\ 9530 \\ 4.718499 \\ 4.727388 \\ 4.736198 \end{array}$	170 171 172 173 174	$\begin{array}{c} 5.135798 \\ 5.141664 \\ 7494 \\ 5.153292 \\ 9055 \end{array}$	230 231 232 233 234	$5.438079 \\ 5.442418 \\ 6737 \\ 5.451038 \\ 5321$	290 291 292 293 294	5.669881 5.673323 6754 5.680173 3580	350 351 352 353 354	5.857933 5.860786 3631 6468 9297
55 56 57 58 59	$\begin{array}{c} 4.007333 \\ 4.025352 \\ 4.043051 \\ 4.060443 \\ 4.077537 \end{array}$	115 116 117 118 119	$\begin{array}{c} 4.744932 \\ 4.753590 \\ 4.762174 \\ 4.770685 \\ 9123 \end{array}$	175 176 177 178 179	5.164786 5.170484 6150 5.181784 7386	235 236 237 238 239	$\begin{array}{c} 9586 \\ 5.463832 \\ 8060 \\ 5.472271 \\ 6464 \end{array}$	295 296 297 298 299	$\begin{array}{c} 6975 \\ 5.690359 \\ 3732 \\ 7093 \\ 5.700444 \end{array}$	355 356 357 358 359	5.872118 4931 7736 5.880533 3322
No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.

No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.
360 361 362 363 364	5.886104 8878 5.891644 4403 7154	420 421 422 423 424	6.040255 2633 5005 7372 9733	480 481 482 483 484	6.173786 5867 7944 6.180017 2085	540 541 542 543 544	6.291569 3419 5266 7109 8949	600 601 602 603 604	6.396930 8595 6.400257 1917 3574	660 661 662 663 664	6.492240 3754 5266 6775 8282
365 366 367 368 369	9897 5.902633 5362 8083 5.910797	425 426 427 428 429	6.052089 4439 6784 9123 6.061457	485 486 487 488 489	$4149 \\ 6209 \\ 8264 \\ 6.190315 \\ 2362$	545 546 547 548 549	6.300786 2619 4449 6275 8098	605 606 607 608 609	5228 6880 8529 6.410175 1818	665 666 667 668 669	$\begin{array}{r} 9787 \\ 6.501290 \\ 2790 \\ 4288 \\ 5784 \end{array}$
370 371 372 373 374	$\begin{array}{c} 5.913503 \\ 6202 \\ 8894 \\ 5.921578 \\ 4256 \end{array}$	430 431 432 433 434	6.063785 6108 8426 6.070738 3045	490 491 492 493 494	$6.194405 \\ 6444 \\ 8479 \\ 6.200509 \\ 2536$	550 551 552 553 554	6.309918 6.311735 3548 5358 7165	610 611 612 613 614	6.413459 5097 6732 8365 9995	670 671 672 673 674	$\begin{array}{r} 6.507278 \\ 8769 \\ 6.510258 \\ 1745 \\ 3230 \end{array}$
375 376 377 378 379	$\begin{array}{c} 6926 \\ 9589 \\ 5.932245 \\ 4894 \\ 7536 \end{array}$	435 436 437 438 439	5346 7642 9933 6.082219 4499	495 496 497 498 499	$\begin{array}{c} 4558 \\ 6576 \\ 8590 \\ 6.210600 \\ 2606 \end{array}$	555 556 557 558 559	8968 6.320768 2565 4359 6149	615 616 617 618 619	6.421622 3247 4869 6488 8105	675 676 677 678 679	4713 6193 7671 9147 6.520621
380 381 382 383 384	$5.940171 \\ 2799 \\ 5421 \\ 8035 \\ 5.950643$	440 441 442 443 444	$\begin{array}{c} 6.086775 \\ 9045 \\ 6.091310 \\ 3570 \\ 5825 \end{array}$	500 501 502 503 504	$\begin{array}{r} 6.214608 \\ 6606 \\ 8600 \\ 6.220590 \\ 2576 \end{array}$	560 561 562 563 564	$\begin{array}{c} 6.327937 \\ 9721 \\ 6.331502 \\ 3280 \\ 5054 \end{array}$	620 621 622 623 624	6.429719 6.431331 2940 4547 6150	680 681 682 683 684	6,522093 3562 5030 6495 7958
385 386 387 388 389	3243 5837 8425 5.961005 3579	445 446 447 448 449	$\begin{array}{r} 8074 \\ 6.100319 \\ 2559 \\ 4793 \\ 7023 \end{array}$	505 - 506 507 508 509	$\begin{array}{r} 4558 \\ 6537 \\ 8511 \\ 6.230481 \\ 2448 \end{array}$	565 566 567 568 569	$6826 \\ 8594 \\ 6.340359 \\ 2121 \\ 3880$	625 626 627 628 629	$7752 \\ 9350 \\ 6.440947 \\ 2540 \\ 4131$	685 686 687 688 689	9419 6.530878 2334 3789 5241
390 391 392 393 394	5.966147 8708 5.971262 3810 6351	450 451 452 453 454	6.109248 6.111467 3682 5892 8097	510 511 512 513 514	$\begin{array}{c} 6.234411 \\ 6370 \\ 8325 \\ 6.240276 \\ 2223 \end{array}$	570 571 572 573 574	$\begin{array}{c} 6.345636 \\ 7389 \\ 9139 \\ 6.350886 \\ 2629 \end{array}$	630 631 632 633 634	6.445720 7306 8889 6.450470 2049	690 691 692 693 694	$6.536692 \\ 8140 \\ 9586 \\ 6.541030 \\ 2472$
395 396 397 398 399	8886 5.981414 3936 6452 8961	455 456 457 458 459	6.120297 2493 4683 6869 9050	515 516 517 518 519	4167 6107 8043 9975 6.251904	575 576 577 578 579	4370 6108 7842 9574 6.361302	635 636 637 638 639	3625 5199 6770 8338 9904	695 696 697 698 699	3912 5350 6785 8219 9651
400 401 402 403 404	5.991465 3961 6452 8937 6.001415	460 461 462 463 464	6.131226 3398 5565 - 7727 9885	520 521 522 523 524	$\begin{array}{c} 6.253829 \\ 5750 \\ 7668 \\ 9581 \\ 6.261492 \end{array}$	580 581 582 583 584	6.363028 4751 6470 8187 9901	640 641 642 643 644	6.461468 3029 4588 6145 7699	700 701 702 703 704	6.551080 2508 3933 5357 6778
405 406 407 408 409	3887 6353 8813 6.011267 3715	465 466 467 468 469	$\begin{array}{c} 6.142037 \\ 4186 \\ 6329 \\ 8468 \\ 6.150603 \end{array}$	525 526 527 528 529	3398 5301 7201 9096 6.270988	585 586 587 588 589	$\begin{array}{r} 6.371612 \\ 3320 \\ 5025 \\ 6727 \\ 8426 \end{array}$	645; 646 647 648 649	9250 6.470800 2346 3891 5433	705 706 707 708 709	8198 9615 6.561031 2444 3856
410 411 412 413 414	6.016157 8593 6.021023 3448 5866	470 471 472 473 474	6.152733 4858 6979 9095 6.161207	530 531 532 533 534	$\begin{array}{c} 6.272877 \\ 4762 \\ 6643 \\ 8521 \\ 6.280396 \end{array}$	590 591 592 593 594	6.380123 1816 3507 5194 6879	650 651 652 653 654	6.476972 8510 6.480045 1577 3107	710 711 712 713 714	6.565265 6672 8078 9481 6.570883
415 416 417 418 419	$3086 \\ 5481$	478	3315 5418 7516 9611 6.171701	538	2267 4134 5998 7859 9716	597 598	$\begin{array}{c} 8561 \\ 6.390241 \\ 1917 \\ 3591 \\ 5262 \end{array}$	655 656 657 658 659	$\begin{array}{r} 4635 \\ 6161 \\ 7684 \\ 9205 \\ 6.490724 \end{array}$	715 716 717 718 719	2283 3680 5076 6470 7861
No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.

								T			
No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.
720 721 722 723 724	6,579251 6,580639 2025 3409 4791	780 781 782 783 784	6.659294 6.660575 1855 3133 4409	840 841 842 843 844	6.733402 4592 5780 6967 8152	900 901 902 903 904	$\begin{array}{r} 6.802395 \\ 3505 \\ 4615 \\ 5723 \\ 6829 \end{array}$	960 961 962 963 964	$\begin{array}{c} 6.866933 \\ 7974 \\ 9014 \\ 6.870053 \\ 1091 \end{array}$	1021 1022	$\begin{array}{r} 6.927558 \\ 8538 \\ 9517 \\ 6.930495 \\ 1472 \end{array}$
725 726 727 728 729	6172 7550 8926 6.590301 1674	785 786 787 788 789	5684 6957 8228 9498 6.670766	845 846 847 848 849	9337 €.740519 1701 2881 4059	905 906 907 908 909	$7935 \\ 9039 \\ 6.810142 \\ 1244 \\ 2345$	965 966 967 968 969	2128 3164 4198 5232 6265	1025 1026 1027 1028 1029	2448 3423 4397 5370 6343
730 731 732 733 734	6.593045 4413 5781 7146 8509	790 791 792 793 794	6.672033 3298 4561 5823 7083	850 851 852 853 854	6.745236 6412 7587 8760 9931	910 911 912 913 914	6,813445 4543 5640 6736 7831	970 971 972 973 974	$\begin{array}{c} 6.877296 \\ 8326 \\ 9356 \\ 6.880384 \\ 1411 \end{array}$	1030 1031 1032 1033 1034	$\begin{array}{r} 6.937314 \\ 8284 \\ 9254 \\ 6.940222 \\ 1190 \end{array}$
735 736 737 738 739	$\begin{array}{c} 9870 \\ 6.601230 \\ 2588 \\ 3944 \\ 5298 \end{array}$	795 796 797 798 799	$\begin{array}{r} 8342 \\ 9599 \\ 6.680855 \\ 2109 \\ 3361 \end{array}$	855 856 857 858 859	$\begin{array}{c} 6.751101 \\ 2270 \\ 3438 \\ 4604 \\ 5769 \end{array}$	915 916 917 918 919	$\begin{array}{c} 8924 \\ 6.820016 \\ 1107 \\ 2197 \\ 3286 \end{array}$	975 976 977 978 979	2437 3463 4487 5510 6532	1035 1036 1037 1038 1039	2157 3122 4087 5051 6014
740 741 742 743 744	6.606650 8001 9349 6.610696 2041	800 801 802 803 804	6.684612 5861 7109 8355 9599	860 861 862 863 864	$6.756932 \\ 8095 \\ 9255 \\ 6.760415 \\ 1573$	920 921 922 923 924	$6.824374 \\ 5460 \\ 6545 \\ 7629 \\ 8712$	980 981 982 983 984	$\begin{array}{c} 6.887553 \\ 8572 \\ 9591 \\ 6.890609 \\ 1626 \end{array}$	1041 1042 1043	6.946976 7937 8897 9856 6.950815
745 746 747 748 749	3384 4726 6065 7403 8739	805 806 807 808 809	6.690842 2084 3324 4562 5799	865 866 867 868 869	2730 3885 5039 6192 7343	925 926 927 928 929	$\begin{array}{r} 9794 \\ 6.830874 \\ 1954 \\ 3032 \\ 4109 \end{array}$	985 986 987 988 989	$\begin{array}{c} 2642 \\ 3656 \\ 4670 \\ 5683 \\ 6694 \end{array}$	1045 1046 1047 1048 1049	1772 2729 3684 4639 5593
750 751 752 753 754	$\begin{array}{c} 6.620073 \\ 1406 \\ 2736 \\ 4065 \\ 5392 \end{array}$	810 811 812 813 814	$\begin{array}{c} 6.697034 \\ 8268 \\ 9500 \\ 6.700731 \\ 1960 \end{array}$	870 871 872 873 874	6.768493 9642 6.770789 1936 3080	930 931 932 933 934	6,835185 6259 7333 8405 9476	990 991 992 993 994	$\begin{array}{c} 6.897705 \\ 8715 \\ 9723 \\ 6.900731 \\ 1737 \end{array}$	1050 1051 1052 1053 1054	6.956545 7497 8448 9399 6.960348
755 756 757 758 759	$\begin{array}{c} 6718 \\ 8041 \\ 9363 \\ 6.630683 \\ 2002 \end{array}$	815 816 817 818 819	3188 4414 5639 6862 8084	875 876 877 878 879	4224 5366 6507 7647 8785	935 936 937 938 939	6.840547 1615 2683 3750 4815	995 996 997 998 999	2743 3747 4751 5753 6755	1055 1056 1057 1058 1059	1296 2243 3190 4136 5080
760 761 762 763 764	6.633318 4633 5947 7258 8568	820 821 822 823 824	$\begin{array}{c} 6.709304 \\ 6.710523 \\ 1740 \\ 2956 \\ 4171 \end{array}$	880 881 882 883 884	6.779922 6.781058 2192 3325 4457	940 941 942 943 944	6.845880 6943 8005 9066 6.850126	$1001 \\ 1002$	$\begin{array}{c} 6.907755 \\ 8755 \\ 9753 \\ 6.910751 \\ 1747 \end{array}$	1060 1061 1062 1063 1064	$\begin{array}{c} 6.966024 \\ 6967 \\ 7909 \\ 8850 \\ 9791 \end{array}$
765 766 767 768 769	$\begin{array}{r} 9876 \\ 6.641182 \\ 2487 \\ 3790 \\ 5091 \end{array}$	825 826 827 828 829	5383 6595 7805 9013 6.720220	885 886 887 888 889	5588 6717 7845 8972 6.790097	945 946 947 948 949	1185 2243 3299 4355 5409	1005 1006 1007 1008 1009	2743 3737 4731 5723 6715	1065 1066 1067 1068 1069	$\begin{array}{c} 6.970730 \\ 1669 \\ 2606 \\ 3543 \\ 4479 \end{array}$
771 772 773 774	6.646391 7688 8985 6.650279 1572	830 831 832 833 834	6.721426 2630 3832 5034 6233	890 891 892 893 894	6.791221 2344 3466 4587 5706	950 951 952 953 954	$\begin{array}{c} 6.856462 \\ 7514 \\ 8565 \\ 9615 \\ 6.860664 \end{array}$	$\frac{1011}{1012}$	$\begin{array}{c} 6.917706 \\ 8695 \\ 9684 \\ 6.920672 \\ 1658 \end{array}$	1070 1071 1072 1073 1074	6.975414 6348 7281 8214 9145
775 776 777 778 779	2863 4153 5440 6727 8011	835 836 837 838 839	$\begin{array}{c} 7432 \\ 8629 \\ 9824 \\ 6.731018 \\ 2211 \end{array}$	895 896 897 898 899	$6824 \\ 7940 \\ 9056 \\ 6.800170 \\ 1283$	955 956 957 958 959	1711 2758 3803 4848 5891	1015 1016 1017 1018 1019	2644 3629 4612 5595 6577	1075 1076 1077 1078 1079	6,980076 1006 1935 2863 3790
No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.

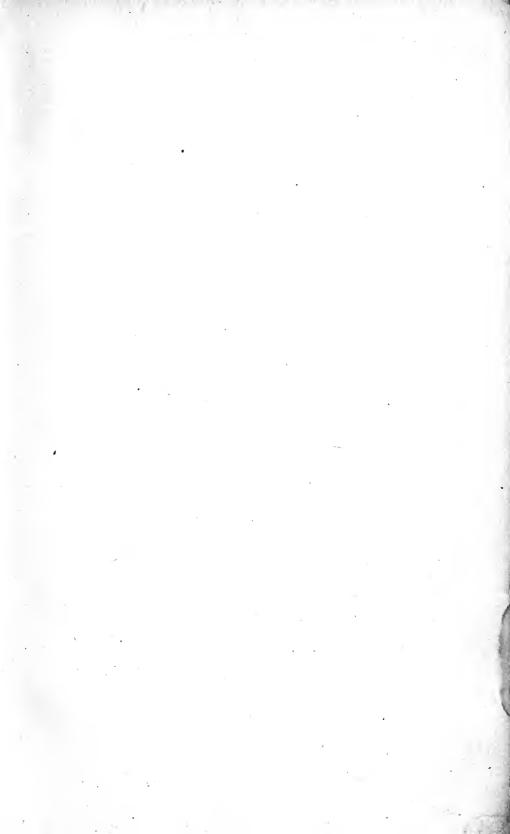
					_			-								_
M	00	10	20	30	40	50	60	70	80	90	100	110	120	130	140	M
0 1 2 3 4	$\begin{array}{c} 0 \\ 1 \\ 2 \\ 3 \\ 4 \end{array}$	60 $61$ $62$ $63$ $64$	120 $21$ $22$ $23$ $24$	180 81 82 83 84	240 41 42 43 44	300 01 02 03 04	361 62 63 64 65	421 $22$ $23$ $24$ $25$	482 83 84 85 86	542 43 44 45 46	603 04 05 06 07	664 65 66 67 68	725 26 27 28 29	787 88 89 90 91	848 50 51 52 53	0 1 2 3 4
5	5	65	25	85	45	05	66	26	87	47	08	69	30	92	54	5
6	6	66	26	86	46	06	67	27	88	48	09	70	31	93	55	6
7	7	67	27	87	47	- 07	68	28	89	49	10	71	32	94	56	7
8	8	68	28	88	48	08	69	29	90	50	11	72	34	95	57	8
9	9	69	29	89	49	09	70	30	91	51	12	73	35	96	58	9
10	10	70	130	190	250	310	371	431	492	552	613	674	736	797	859	10
11	11	71	31	91	51	11	72	32	93	53	14	75	37	98	60	11
12	12	72	32	92	52	12	73	33	94	54	15	76	38	99	61	12
13	13	73	33	93	53	13	74	34	95	55	16	77	39	800	62	13
14	14	74	34	94	54	14	75	35	96	56	17	78	40	01	63	14
15	15	75	35	95	55	15	76	36	97	57	18	79	41	02	64	15
16	16	76	36	96	56	16	77	37	98	58	19	80	42	03	65	16
17	17	77	37	97	57	17	78	38	99	59	20	81	43	04	66	17
18	18	78	38	98	58	18	79	39	500	60	21	82	44	05	67	18
19	19	79	39	99	59	19	80	40	01	61	22	83	45	06	68	19
20 21 22 23 24	20 21 22 23 24	80 81 82 83 84	140 $41$ $42$ $43$ $44$	$200 \\ 01 \\ 02 \\ 03 \\ 04$	$260 \\ 61 \\ 62 \\ 63 \\ 64$	320 21 22 23 24	381 82 83 84 85	441 42 43 44 45	502 03 04 05 06	562 64 65 66 67	623 24 25 26 27	684 85 87 88 89	746 47 48 49 50	807 08 09 10 11	869 70 71 72 73	20 21 22 23 24
25	25	85	45	05	65	25	86	46	07	$68 \\ 69 \\ 70 \\ 71 \\ 72$	28	90	51	12	74	25
26	26	86	46	06	66	26	87	47	08		29	91	52	13	75	26
27	27	87	47	07	67	27	88	48	09		31	92	53	15	76	27
28	28	88	48	08	68	28	89	49	10		32	93	54	16	77	28
29	29	89	49	09	69	30	90	50	11		33	94	55	17	78	29
30	30	90	150	210	270	331	391	451	512	573	634	695	756	818	879	30
31	31	91	51	11	71	32	92	52	13	74	35	96	57	19	80	31
32	32	92	52	12	72	33	93	53	14	75	36	97	58	20	82	32
33	33	93	53	13	73	34	94	54	15	76	37	98	59	21	83	33
34	34	94	54	14	74	35	95	55	16	77	38	99	60	22	84	34
35	35	95	55	15	75	36	96	56	17	78	39	$700 \\ 01 \\ 02 \\ 03 \\ 04$	61	23	85	35
36	36	96	56	16	76	37	97	57	18	79	40		62	24	86	36
37	37	97	57	17	77	38	98	58	19	80	41		63	25	87	37
38	38	98	58	18	78	39	99	59	20	81	42		64	26	88	38
39	39	99	59	19	79	40	400	60	21	82	43		65	27	89	39
40 41 42 43 44	40 41 42 43 44	$100 \\ 01 \\ 02 \\ 03 \\ 04$	$160 \\ 61 \\ 62 \\ 63 \\ 64$	220 $21$ $22$ $23$ $24$	280 81 82 83 84	341 42 43 44 45	$\begin{array}{c} 401 \\ 02 \\ 03 \\ 04 \\ 05 \end{array}$	461 62 63 64 65	522 23 24 25 26	583 84 85 86 87	644 45 46 47 48	705 06 07 08 09	766 67 68 69 70	828 29 30 31 32	890 91 92 93 94	40 41 42 43 44
45	45	05	65	25	85	46	06	66	27	88	49	10	71	33	95	45
46	46	06	66	26	86	47	07	67	28	89	50	11	72	34	96	46
47	47	07	67	27	87	48	08	68	29	90	51	12	73	35	97	47
48	48	08	68	28	88	49	09	69	30	91	52	13	74	36	98	48
49	49	09	69	29	89	50	10	70	31	92	53	14	75	37	99	49
50	50	110	170	230	290	351	411	471	532	593	654	715	777	838	$900 \\ 01 \\ 02 \\ 03 \\ 04$	50
51	51	11	71	31	91	52	12	72	33	94	55	16	78	39		51
52	52	12	72	32	92	53	13	73	34	95	56	17	79	40		52
53	53	13	73	33	93	54	14	74	35	96	57	18	80	41		53
54	54	14	74	34	94	55	15	76	36	97	58	19	81	42		54
55	55	15	75	35	95	56	16	77	37	$98 \\ 99 \\ 600 \\ 01 \\ 02$	59	20	82	43	05	55
56	56	16	76	36	96	57	17	78	38		60	21	83	44	06	56
57	57	17	77	37	97	58	18	179	39		61	22	84	45	07	57
58	58	18	78	38	98	59	19	80	40		62	23	85	46	08	58
59	59	19	79	39	99	60	20	81	41		63	24	86	47	09	59
M	00	10	20	30	40	50	60	70	80	90	100	110	120	130	140	M

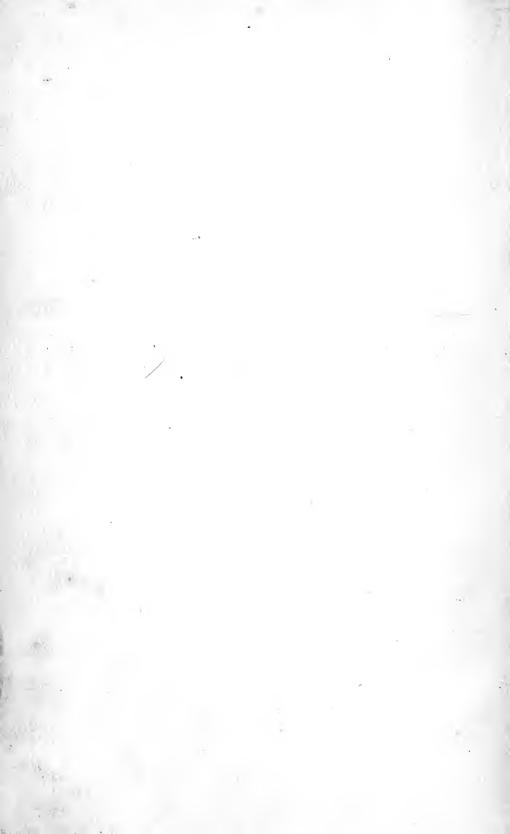
M	150	16°	170	180	190	200	210	220	230	240	250	260	270	280	290	M
0 1 2 3 4	910 11 13 14 15	973 74 75 76 77	1035 36 37 38 39	$1098 \\ 99 \\ 1100 \\ 01 \\ 02$	1161 63 64 65 66	1225 26 27 28 29	1289 90 91 92 93	1354 55 56 57 58	$1419 \\ 20 \\ 21 \\ 22 \\ 23$	1484 85 86 87 88	1550 51 52 53 54	$1616 \\ 18 \\ 19 \\ 20 \\ 21$	1684 85 86 87 88	$\begin{array}{r} 1751 \\ 52 \\ 53 \\ 55 \\ 56 \end{array}$	$1819 \\ 21 \\ 22 \\ 23 \\ 24$	0 1 2 3 4
5 6 7 8 9	16 17 18 19 20	78 79 80 81 82	41 42 43 44 45	03 05 06 07 08	67 68 69 70 71	30 32 33 34 35	95 96 97 98 99	59 60 61 62 63	24 25 26 27 28	90 91 92 93 94	56 57 58 59 60	22 23 24 25 26	89 90 91 93 94	57 58 59 60 61	25 26 27 29 30	5 6 7 8 9
10 11 12 13 14	921 22 23 24 25	983 84 85 86 87	1046 47 48 49 50	1109 10 11 12 13	73 74 75 76	1236 37 38 39 40	$     \begin{array}{r}       1300 \\       01 \\       02 \\       03 \\       04     \end{array} $	1364 66 67 68 69	1430 31 32 33 34	1495 96 97 98 99	1561 62 63 64 65	1628 29 30 31 32	1695 96 97 98 99	1762 64 65 66 67	1831 32 33 34 35	10 11 12 13 14
15 16 17 18 19	26 27 28 29 30	88 89 90 91 93	51 52 53 54 55	14 15 16 17 18	77 78 79 81 82	41 42 43 44 45	05 06 07 08 10	70 71 72 73 74	35 36 37 38 39	1500 02 03 04 05	67 68 69 70 71	33 34 35 37 38	$1700 \\ 01 \\ 03 \\ 04 \\ 05$	68 69 70 72 73	37 38 39 40 41	15 16 17 18 19
20 21 22 23 24	931 32 33 34 35	994 95 96 97 98	$1056 \\ 57 \\ 58 \\ 59 \\ 60$	$1119 \\ 20 \\ 21 \\ 22 \\ 23$	1183 84 85 86 87	1246 48 49 50 51	1311 12 13 14 15	1375 76 77 79 80	1440 41 43 44 45	1506 07 08 09 10	1572 73 74 75 77	1639 40 41 42 43	1706 07 08 09 11	1774 75 76 77 78	1842 43 45 46 47	20 21 22 23 24
25 26 27 28 29	36 37 38 39 41	$\begin{array}{c} 99 \\ 1000 \\ 01 \\ 02 \\ 03 \end{array}$	61 63 64 65 66	25 26 27 28 29	88 89 90 91 92	52 53 54 55 56	16 17 18 19 20	81 82 83 84 85	46 47 48 49 50	11 13 14 15 16	78 79 80 81 82	44 45 47 48 49	12 13 14 15 16	80 81 82 83 84	48 49 50 52 53	25 26 27 28 29
30 31 32 33 34	942 43 44 45 46	$\begin{array}{c} 1004 \\ 05 \\ 06 \\ 07 \\ 08 \end{array}$	1067 68 69 70 71	1130 31 32 33 34	1193 94 95 96 98	1257 58 59 60 61	$1321 \\ 22 \\ 24 \\ 25 \\ 26$	1386 87 88 89 90	1451 52 53 55 56	$1517 \\ 18 \\ 19 \\ 20 \\ 21$	1583 84 85 86 88	$\begin{array}{c} 1650 \\ 51 \\ 52 \\ 53 \\ 54 \end{array}$	$1717 \\ 18 \\ 20 \\ 21 \\ 22$	1785 86 87 89 90	1854 55 56 57 58	30 31 32 33 34
35 36 37 38 39	47 48 49 50 51	09 10 11 12 13	72 73 74 75 76	35 36 37 38 39	$\begin{array}{c} 99 \\ 1200 \\ 01 \\ 02 \\ 03 \end{array}$	62 64 65 66 67	27 28 29 30 31	92 93 94 95 96	57 58 59 60 61	22 24 25 26 27	89 90 91 92 93	56 57 58 59 60	23 24 25 26 27	91 92 93 94 95	$60 \\ 61 \\ 62 \\ 63 \\ 64$	35 36 37 38 39
40 41 42 43 44	952 53 54 55 56	1014 15 16 18 19	1077 78 79 80 81	1140 41 42 44 45	$\begin{array}{c} 1204 \\ 05 \\ 06 \\ 07 \\ 08 \end{array}$	1268 69 70 71 72	1332 33 34 35 36	1397 98 99 1400 01	1462 63 64 65 67	1528 29 30 31 32	1594 95 96 98 99	$\begin{array}{c} 1661 \\ 62 \\ 63 \\ 64 \\ 66 \end{array}$	$1729 \\ 30 \\ 31 \\ 32 \\ 33$	1797 98 99 1800 01	$1865 \\ 66 \\ 68 \\ 69 \\ 70$	40 41 42 43 44
45 46 47 48 49	57 58 59 60 61	20 $21$ $22$ $23$ $24$	82 84 85 86 87	46 47 48 49 50	09 10 11 12 13	73 74 75 76 77	38 39 40 41 42	02 03 05 06 07	$68 \\ 69 \\ 70 \\ 71 \\ 72$	33 35 36 37 38	1600 01 02 03 04	67 68 69 70 71	34 35 36 38 39	02 03 05 06 07	71 72 73 75 76	45 46 47 48 49
50 51 52 53 54	962 63 64 65 66	$1025 \\ 26 \\ 27 \\ 28 \\ 29$	$1088 \\ 89 \\ 90 \\ 91 \\ 92$	1151 52 53 54 55	1215 16 17 18 19	1278 80 81 82 83	1343 44 45 46 47	$1408 \\ 09 \\ 10 \\ 11 \\ 12$	1473 74 75 76 77	1539 40 41 42 43	1605 06 08 09 10	1672 73 75 76 77	$1740 \\ 41 \\ 42 \\ 43 \\ 44$	$1808 \\ 09 \\ 10 \\ 11 \\ 13$	1877 78 79 80 81	50 51 52 53 54
55 56 57 58 59	68 69 70 71 72	30 31 32 33 34	93 94 95 96 97	56 57 58 59 60	20 21 22 23 24	84 85 86 87 88	48 49 50 52 53	13 14 15 16 18	79 80 81 82 83	44 46 47 48 49	11 12 13 14 15	78 79 80 81 82	46 47 48 49 50	14 15 16 17 18	83 84 85 86 87	55 56 57 58 59
M	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	M

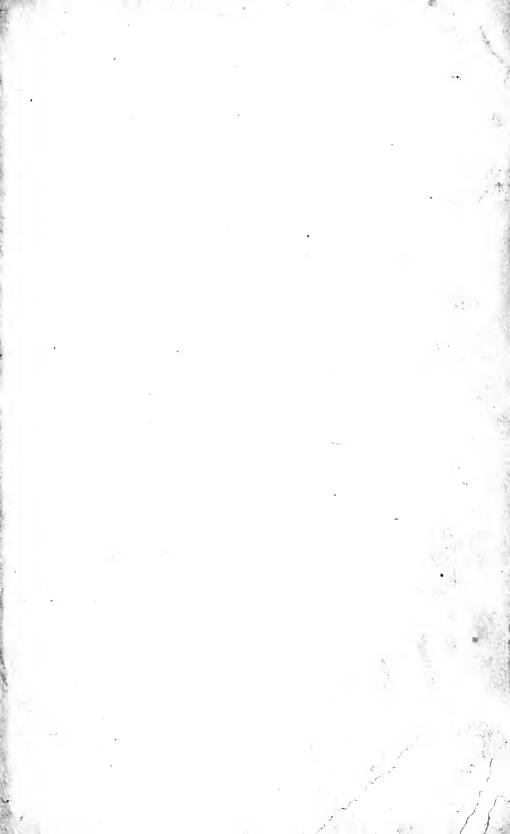
10					TAT T	SKII	J10.	14.77.		AR	10.					•
М	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	M
0 1 2 3 4	1888 90 91 92 93	59 60 62 63	2028 30 31 32 33	$01 \\ 02 \\ 03 \\ 04$	73 74 75 76	2244 46 47 48 49	2318 19 20 22 23	94 95 96 98	2468 70 71 72 73	$2545 \\ 46 \\ 48 \\ 49 \\ 50$	2623 24 25 27 28	2702 03 04 06 07	2782 83 84 86 87	2863 64 66 67 69	2946 47 49 50 51	0 1 2 3 4
5 6 7 8 9	94 95 96 98 99	64 65 66 67 69	34 35 37 38 39	05 07 08 09 10	78 79 80 81 82	50 52 53 54 55	24 25 27 28 29	99 2400 01 03 04	75 76 77 78 80	51 53 54 55 57	29 31 32 33 34	08 10 11 12 14	90 91 92 94	70 71 73 74 75	53 54 56 57 58	5 6 7 8 9
10 11 12 13 14	$     \begin{array}{r}       1900 \\       01 \\       02 \\       03 \\       05     \end{array} $	1970 71 72 73 74	2040 41 43 44 45	2111 13 14 15 16	2184 85 86 87 88	2257 58 59 60 61	2330 32 33 34 35	2405 06 08 09 10	2481 82 84 85 86	2558 59 60 62 63	2636 37 38 40 41	$2715 \\ 16 \\ 18 \\ 19 \\ 20$	2795 97 98 99 2801	2877 78 80 81 82	2960 61 63 64 65	10 11 12 13 14
15 16 17 18 19	06 07 08 09 10	76 77 78 79 80	46 47 48 50 51	17 $19$ $20$ $21$ $22$	90 91 92 93 94	63 64 65 66 68	37 38 39 40 42	11 13 14 15 16	87 89 90 91 92	64 66 67 68 69	42 44 45 46 48	22 23 24 26 27	$02 \\ 03 \\ 05 \\ 06 \\ 07$	84 85 86 88 89	67 68 70 71 72	15 16 17 18 19
20 21 22 23 24	1912 13 14 15 16	1981 83 84 85 86	2052 53 54 56 57	2123 $25$ $26$ $27$ $28$	2196 97 98 99 2200	$2269 \\ 70 \\ 71 \\ 72 \\ 74$	2343 44 45 46 48	2418 19 20 22 23	2494 95 96 98 99	2571 72 73 75 76	2649 50 51 53 54	2728 29 31 32 33	2809 10 11 13 14	2891 92 93 95 96	2974 75 76 78 79	20 21 22 23 24
25 26 27 28 29	17 18 20 21 22	87 88 90 91 92	58 59 60 61 63	29 31 32 33 34	$\begin{array}{c} 02 \\ 03 \\ 04 \\ 05 \\ 07 \end{array}$	75 76 77 79 80	49 50 51 53 54	24 25 27 28 29	$\begin{array}{c} 2500 \\ 01 \\ 03 \\ 04 \\ 05 \end{array}$	77 78 80 81 82	55 57 58 59 61	35 36 37 39 40	15 17 18 20 21	$\begin{array}{c} 97 \\ 99 \\ 2900 \\ 02 \\ 03 \end{array}$	81 82 83 85 86	25 26 27 28 29
30 31 32 33 34	1923 24 25 27 28	1993 94 95 97 98	$\begin{array}{c} 2064 \\ 65 \\ 66 \\ 67 \\ 69 \end{array}$	2135 37 38 39 40	$2208 \\ .09 \\ 10 \\ 11 \\ 13$	2281 82 83 85 86	2355 $56$ $58$ $59$ $60$	2430 32 33 34 35	$\begin{array}{c} 2506 \\ 08 \\ 09 \\ 10 \\ 12 \end{array}$	2584 85 86 88 89	2662 63 65 66 67	2742 43 44 46 47	$\begin{array}{r} 2822 \\ 24 \\ 25 \\ 26 \\ 28 \end{array}$	2904 06 07 08 10	2988 89 91 92 93	30 31 32 33 34
35 36 37 38 39	29 30 31 32 34	99 2000 01 02 04	70 71 72 73 75	41 43 44 45 46	14 15 16 17 19	87 88 90 91 92	61 63 64 65 66	37 38 39 40 42	13 14 15 17 18	90 91 93 94 95	69 70 71 73 74	48 50 51 52 54	29 30 32 33 34	11 13 14 15 17	95 96 98 99 3000	35 36 37 38 39
40 41 42 43 44	1935 36 37 38 39	2005 06 07 08 10	2076 77 78 79 80	$\begin{array}{c} 2147 \\ 49 \\ 50 \\ 51 \\ 52 \end{array}$	$\begin{array}{c} 2220 \\ 21 \\ 22 \\ 24 \\ 25 \end{array}$	2293 95 96 97 98	$2368 \\ 69 \\ 70 \\ 71 \\ 73$	2443 44 45 47 48	$\begin{array}{c} 21 \\ 22 \end{array}$	2597 98 99 2601 02	2675 76 78 79 80	$\begin{array}{c} 2755 \\ 56 \\ 58 \\ 59 \\ 60 \end{array}$	$\begin{array}{c} 2836 \\ 37 \\ 39 \\ 40 \\ 41 \end{array}$	2918 19 21 22 24	3002 03 05 06 07	40 41 42 43 44
45 46 47 48 49	41 42 43 44 45	11 12 13 14 15	82 83 84 85 86	53 55 56 57 58	26 27 28 30 31	99 2301 02 03 04	74 75 76 78 79	49 51 52 53 54	26 27 28 30 31	03 04 06 07 08	82 83 84 86 87	$62 \\ 63 \\ 64 \\ 66 \\ 67$	43 44 45 47 48	25 26 28 29 31	09 10 12 13 14	45 46 47 48 49
50 51 52 53 54	1946 48 49 50 51	2017 18 19 20 21	2088 89 90 91 92	$\begin{array}{c} 2159 \\ 61 \\ 62 \\ 63 \\ 64 \end{array}$	2232 33 35 36 37	2306 07 08 09 11	2380 81 83 84 85	2456 57 58 59 61	2532 33 35 36 37	2610 11 12 14 15	2688 90 91 92 94	$\begin{array}{c} 2768 \\ 70 \\ 71 \\ 72 \\ 74 \end{array}$	2849 51 52 54 55	2932 33 35 36 37	3016 17 19 20 21	50 51 52 53 54
55 56 57 58 59	52 53 55 56 57	22 24 25 26 27	94 95 96 97 98	65 67 68 69 70	38 39 41 42 43	12 13 14 16 17	86 88 89 90	62 63 64 66 67	38 40 41 42 44	16 17 19 20 21	95 96 98 99 2700	75 76 78 79 80	56 58 59 60 62	39 40 42 43 44	23 24 26 27 29	55 56 57 58 59
M	300	31°	320	330	340	350	360	370	380	390	400	410	420	430	440	M

	_		-	_					_							-
M	450	460	470	480	490	500	510	520	530	540	550	<b>56</b> °	570	580	590	M
0 1 2 3 4	3080 31 33 34 36	17 18 20 21	$\begin{array}{c} 3203 \\ 04 \\ 06 \\ 07 \\ 09 \end{array}$	93 95 96 98	3382 84 85 87 88	76 78 79 81	$\begin{array}{c} 3569 \\ 70 \\ 72 \\ 74 \\ 75 \end{array}$	67 68 70 72	65 67 69 70	66 68 70 71	70 71 73 75	76 77 79 81	4183 84 86 88 90	$^{4294}_{\begin{subarray}{c}96\\98\\4306\\02\end{subarray}$	4409 $11$ $13$ $15$ $17$	0 1 2 3 4
5 6 7 8 9	37 38 40 41 43	23 24 26 27 29	10 12 13 14 16	99 3301 02 03 05	90 91 93 94 96	82 84 85 87 88	77 78 80 82 83	73 75 77 78 80	72 74 75 77 79	73 75 77 78 80	77 78 80 82 84	83 85 86 88 90	92 94 95 97 99	04 06 08 09 11	19 21 23 25 27	5 6 7 8 9
10 11 12 13 14	3044 46 47 48 50	3130 31 33 34 36	3217 19 20 22 23	3306 08 09 11 12	3397 99 3400 02 03	3490 92 93 95 96	3585 86 88 90 91	3681 83 85 86 88	3780 82 84 85 87	3882 83 85 87 89	3985 87 89 91 92	4092 94 95 97 99	$\begin{array}{c} 4201 \\ 03 \\ 05 \\ 07 \\ 08 \end{array}$	4313 15 17 19 21	4429 31 33 34 36	10 11 12 13 14
15 16 17 18 19	51 53 54 55 57	37 39 40 42 43	25 26 28 29 31	14 16 17 19 20	05 07 08 10 11	98 99 3501 03 04	93 94 96 98 99	90 91 93 95 96	89 90 92 94 95	90 92 94 95 97	94 96 98 99 4001	$\begin{array}{c} 4101 \\ 03 \\ 04 \\ 06 \\ 08 \end{array}$	10 12 14 16 18	23 25 27 28 30	38 40 42 44 46	15 16 17 18 19
20 21 22 23 24	3058 60 61 63 64	3144 46 47 49 50	3232 34 35 37 38	3322 23 25 26 28	3413 14 16 17 19	3506 07 09 10 12	$3601 \\ 02 \\ 04 \\ 06 \\ 07$	$3698 \\ 99 \\ 3701 \\ 03 \\ 04$			4003 05 06 08 10	$4110 \\ 12 \\ 13 \\ 15 \\ 17$	$\begin{array}{c} 4220 \\ 21 \\ 23 \\ 25 \\ 27 \end{array}$	4332 $34$ $36$ $38$ $40$	$4448 \\ 50 \\ 52 \\ 54 \\ 56$	20 21 22 23 24
25 26 27 28 29	65 67 68 70 71	52 53 55 56 57	40 41 42 44 45	29 31 32 34 35	20 22 23 25 27	14 15 17 18 20	09 10 12 14 15	06 08 09 11 13	06 07 09 11 12	07 09 11 13 14	12 14 15 17 19	$19 \\ 21 \\ 22 \\ 24 \\ 26$	29 31 32 34 36	42 44 46 47 49	58 60 62 64 66	25 26 27 28 29
30 31 32 33 34	3073 74 75 77 78	$     \begin{array}{r}       3159 \\       60 \\       62 \\       63 \\       65     \end{array} $	$3247 \\ 48 \\ 50 \\ 51 \\ 53$	3337 $38$ $40$ $41$ $43$	3428 30 31 33 34	3521 23 25 26 28	$\begin{array}{c} 3617 \\ 18 \\ 20 \\ 22 \\ 23 \end{array}$	$\begin{array}{c} 3714 \\ 16 \\ 17 \\ 19 \\ 21 \end{array}$	$   \begin{array}{r}     3814 \\     16 \\     17 \\     19 \\     21   \end{array} $	3916 18 19 21 23	$\begin{array}{c c} 4021 \\ 22 \\ 24 \\ 26 \\ 28 \end{array}$	$\begin{array}{c} 4128 \\ 30 \\ 32 \\ 33 \\ 35 \end{array}$	$\begin{array}{c} 4238 \\ 40 \\ 42 \\ 44 \\ 46 \end{array}$	4351 53 55 57 59	$4468 \\ 70 \\ 72 \\ 74 \\ 76$	30 31 32 33 34
35 36 37 38 39	80 81 83 84 85	$66 \\ 68 \\ 69 \\ 71 \\ 72$	54 56 57 59 60	44 46 47 49 50	36 - 37 39 40 42	29 31 32 34 36	$25 \\ 26 \\ 28 \\ 30 \\ 31$	22 24 26 27 29	22 24 26 27 29	25 26 28 30 32	29 31 33 35 37	37 39 41 42 44	47 49 51 53 55	61 63 65 67 69	78 80 82 84 86	35 36 37 38 39
40 41 42 43 44	3087 88 90 91 93	3173 75 76 78 79	$     \begin{array}{r}       3262 \\       63 \\       65 \\       66 \\       68     \end{array} $	3352 53 55 56 58	3443 45 47 48 50	3537 39 40 42 43	3633 34 36 38 39	$3731 \\ 32 \\ 34 \\ 36 \\ 37$	$3831 \\ 32 \\ 34 \\ 36 \\ 38$	3933 35 37 38 40	4038 40 42 44 45	$\begin{array}{c} 4146 \\ 48 \\ 50 \\ 52 \\ 53 \end{array}$	$\begin{array}{c} 4257 \\ 59 \\ 60 \\ 62 \\ -64 \end{array}$	4370 $72$ $74$ $76$ $78$	4488 90 92 94 95	40 41 42 43 44
45 46 47 48 49	94 95 97 98 3100	81 82 84 85 87	69 71 72 74 75	$     \begin{array}{r}       59 \\       61 \\       62 \\       64 \\       65     \end{array} $	51 53 54 56 57	45 47 48 50 51	$41 \\ 43 \\ 44 \\ 46 \\ 47$	$   \begin{array}{r}     39 \\     41 \\     42 \\     44 \\     46   \end{array} $	39 41 43 44 46	42 44 45 47 49	47 49 51 52 54	55 57 59 61 62	$66 \\ 68 \\ 70 \\ 72 \\ 74$	80 82 84 86 88	$\begin{array}{c} 97 \\ 99 \\ 4501 \\ 03 \\ 05 \end{array}$	45 46 47 48 49
50 51 52 53 54	$\begin{array}{c} 3101 \\ 03 \\ 04 \\ 05 \\ 07 \end{array}$	3188 90 91 92 94	3277 78 80 81 83	$3367 \\ 68 \\ 70 \\ 71 \\ 73$	$     \begin{array}{r}       3459 \\       60 \\       62 \\       64 \\       65     \end{array} $	3553 55 56 58 59	$   \begin{array}{r}     3649 \\     51 \\     52 \\     54 \\     55   \end{array} $	3747 49 50 52 54	3848 49 51 53 54	3951 52 54 56 58	4056 58 60 61 63	4164 66 68 70 72	4275 77 79 81 83	4390 92 94 96 98	4507 09 11 13 15	50 51 52 53 54
55 56 57 58 59	08 10 11 13 14	$\begin{array}{c} 95 \\ 97 \\ 98 \\ 3200 \\ 01 \end{array}$	$   \begin{array}{r}     84 \\     86 \\     87 \\     89 \\     90   \end{array} $	74 76 78 79 81	67 68 70 71 73	61 62 64 66 67	57 59 60 62 64	55 57 59 60 62	56 58 60 61 63	59 61 63 64 66	65 67 69 70 72	73 75 77 79 81	85 87 89 91 92	$\begin{array}{c} 99 \\ 4401 \\ 03 \\ 05 \\ 07 \end{array}$	17 19 21 23 25	55 56 57 58 59
M	450	460	470	480	490	500	510	520	53°	54°	550	560	570	580	590	M

_											,					
M	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	M
0 1 2 3 4	4527 29 31 33 35	4649 51 53 55 57	4775 77 79 81 84	4905 07 09 12 14	5039 42 44 46 49	5179 81 84 86 88	5324 26 28 31 33	5474 77 79 82 84	5631 33 36 39 42	97	5966 69 72 75 78	6146 49 52 55 58	6335 38 41 45 48	6534 38 41 45 48	6746 49 53 57 60	0 1 2 3 4
5 6 7 8 9	37 39 41 43 45	60 62 64 66 68	86 88 90 92 94	16 18 20 23 25	51 53 55 58 60	91 93 95 98 5200	36 38 41 43 46	87 89 92 95 97	44 47 50 52 55	09 11 14 17 20	81 84 86 89 92	61 64 67 70 73	51 54 58 61 64	52 55 58 62 65	64 68 71 75 79	5 6 7 8 9
10 11 12 13 14	4547 49 51 53 55	4670 72 74 76 78	$\begin{array}{c} 4796 \\ 98 \\ 4801 \\ 03 \\ 05 \end{array}$	4927 29 31 34 36	5062 65 67 69 71	5203 $05$ $07$ $10$ $12$	5348 51 53 56 58	$5500 \\ 02 \\ 05 \\ 07 \\ 10$	5658 60 63 66 68	5823 25 28 31 34	5995 98 6001 04 07	6177 80 83 86 89	6367 71 74 77 80	6569 72 76 79 83	6782 86 90 93 97	10 11 12 13 14
15 16 17 18 19	57 59 62 64 66	80 82 84 87 89	$07 \\ 09 \\ 11 \\ 14 \\ 16$	38 40 43 45 47	74 76 78 81 83	14 17 19 22 24	61 63 66 68 71	13 15 18 20 23	71 74 76 79 82	37 39 42 45 48	10 13 16 19 22	$\begin{array}{c} 92 \\ 95 \\ 98 \\ 6201 \\ 05 \end{array}$	84 87 90 94 97	86 90 93 97 6600	6801 04 08 12 15	15 16 17 18 19
20 21 22 23 24	$\begin{array}{c} 4568 \\ 70 \\ 72 \\ 74 \\ 76 \end{array}$	4691 93 95 97 99	$4818 \\ 20 \\ 22 \\ 24 \\ 26$	$\begin{array}{c} 4949 \\ 51 \\ 54 \\ 56 \\ 58 \end{array}$	5085 88 90 92 95	5226 29 31 34 36	5373 76 78 80 83	5526 28 31 33 36	5685 87 90 93 95	5851 54 56 59 62	6025 28 31 34 37	$6208 \\ 11 \\ 14 \\ 17 \\ 20$	$\begin{array}{c} 6400 \\ 03 \\ 07 \\ 10 \\ 13 \end{array}$	6603 07 10 14 17	6819 23 26 30 34	20 21 22 23 24
25 26 27 28 29	78 80 82 84 86	$4701 \\ 03 \\ 05 \\ 07 \\ 10$	29 31 33 35 37	60 63 65 67 69	$\begin{array}{c} 97 \\ 99 \\ 5102 \\ 04 \\ 06 \end{array}$	38 41 43 46 48	85 88 90 93 95	39 41 44 46 49	$\begin{array}{r} 98 \\ 5701 \\ 04 \\ 06 \\ 09 \end{array}$	65 68 71 74 76	40 43. 46 49 52	23 26 30 33 36	17 20 23 27 30	21 24 28 31 35	38 41 45 49 53	25 26 27 28 29
30 31 32 33 34	4588 90 92 94 96	4712 14 16 18 20	4839 42 44 46 48	$\begin{array}{r} 4972 \\ 74 \\ 76 \\ 78 \\ 81 \end{array}$	5108 11 13 15 18	5250 53 55 58 60	5398 $5401$ $03$ $06$ $08$	5552 $54$ $57$ $59$ $62$	$5712 \\ 15 \\ 17 \\ 20 \\ 23$	5879 82 85 88 91	6055 58 61 64 67	$6239 \\ 42 \\ 45 \\ 49 \\ 52$	6433 37 40 43 47	6639 42 46 49 53	6856 60 64 68 71	30 31 32 33 34
35 36 37 38 39	$\begin{array}{c} 98 \\ 4600 \\ 02 \\ 04 \\ 06 \end{array}$	22 24 26 28 31	50 52 55 57 59	83 85 87 90 92	20 22 25 27 29	63 65 67 70 72	11 13 16 18 21	65 67 70 73 75	25 28 31 34 36	94 96 99 5902 05	70 73 76 79 82	55 58 61 64 68	50 53 57 60 63	56 60 63 67 70	75 79 83 86 90	35 36 37 38 39
40 41 42 43 44	4608 10 12 14 16	4733 35 37 39 41	$\begin{array}{c} 63 \\ 65 \end{array}$	$\begin{array}{c} 4994 \\ 96 \\ 99 \\ 5001 \\ 03 \end{array}$	5132 34 36 39 41	5275 77 80 82 84	5423 26 28 31 33	5578 80 83 86 88	$5739 \\ 42 \\ 45 \\ 47 \\ 50$	5908 11 14 17 19	6085 88 91 94 97	$6271 \\ 74 \\ 77 \\ 80 \\ 83$	6467 70 73 77 80	6674 77 81 85 88	6894 98 6901 05 09	40 41 42 43 44
45 46 47 48 49	18 20 23 25 27	43 45 47 50 52	72 74 76 79 81	$05 \\ 08 \\ 10 \\ 12 \\ 14$	43 46 48 51 53	87 89 92 94 97	36 38 41 43 46	91 94 96 99 5602	53 56 58 61 64	22 25 28 31 34	6100 03 06 09 12	87 90 93 96 99	83 87 90 94 97	92 95 99 6702 06	13 17 20 24 28	45 46 47 48 49
50 51 52 53 54	4629 31 33 35 37	$\begin{array}{c} 4754 \\ 56 \\ 58 \\ 60 \\ 62 \end{array}$	4883 85 87 90 92	$5017 \\ 19 \\ 21 \\ 23 \\ 26$	$5155 \\ 58 \\ 60 \\ 62 \\ 65$	5299 $5301$ $04$ $06$ $09$	5448 51 54 56 59	$5604 \\ 07 \\ 10 \\ 12 \\ 15$	5767 70 72 75 78	5937 40 43 46 48	6115 18 - 21 24 27	6303 06 09 12 15	6500 04 07 11 14	$6710 \\ 13 \\ 17 \\ 20 \\ 24$	6932 36 40 43 47	50 51 52 53 54
55 56 57 58 59	39 41 43 45 47	64 66 69 71 73	$\begin{array}{c} 94 \\ 96 \\ 98 \\ 4901 \\ 03 \end{array}$	28 30 33 35 37	67 69 72 74 76	11 14 16 19 21	61 64 66 69 71	$   \begin{array}{r}     17 \\     20 \\     23 \\     25 \\     28   \end{array} $	81 83 86 89 92	51 54 57 60 63	30 33 36 40 43	19 22 25 28 32	17 21 24 28 31	28 31 35 38 42	51 55 59 63 66	55 56 57 58 59
M	600	61°	620	630	640	650	660	670	680	690	700	710	720	730	740	M









Manufactured by
GAYLORD BROS. Inc.
Syracuse, N. Y.
Stockton, Calif.

## UNIVERSITY OF CALIFORNIA LIBRARY BERKELEY

Return to desk from which borrowed.

This book is DUE on the last date stamped below.

3 Nov 46 WA 10 Dec'4988

ZJun'50MB

SEP 1 7 1955 LU

26Feb'60RT

REC'D LD

FEB 13 1950

9May 621 W

REC'D LD

APR 25 1962

LD 21-100m-9,'48(B399s16)476

