

TABOAS AUXILIARES

PARA O CALCULO

DAS

EPIHEMERIDES ASTRONOMICAS

DO

OBSERVATORIO DA UNIVERSIDADE DE COIMBRA :

POR

Jacome Luiz Sarmiento,

Lente Substituto Ordinario da Faculdade de Mathematica na mesma Universidade.

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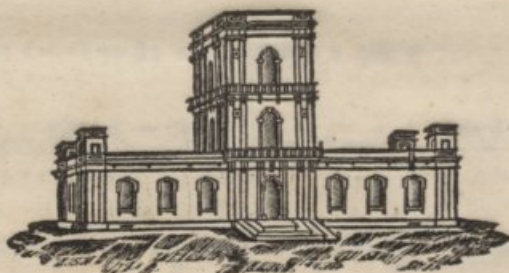
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COIMBRA:

IMPrensa DA UNIVERSIDADE.

1853.

TABLAS AUXILIARES

DEL CIRCULO

EPHEMERIDES ASTRONOMICAS

DE

OPERACIONES DE ENTIDAD DEL CIRCULO

DEL

Observatorio de San Fernando

Impreso en el Observatorio de San Fernando en el año de 1843



COLECCION

DE OPERACIONES DE ENTIDAD DEL CIRCULO

LIBRO

EXPLICAÇÃO

E USO DAS

TABOAS AUXILIARES.

Taboa I. Methodo facil para calcular as distancias lunares.

Pelo pólo da ecliptica, e pelos centros da lua e do astro imaginem-se tirados tres arcos de circulo maximo da esphera, que liguem estes tres pontos; e obter-se-ha um triangulo espherico, cujos lados são os complementos das latitudes dos centros dos dois astros, e a distancia dos mesmos centros; o angulo no pólo é a differença das longitudes dos mesmos centros.

Seja r o raio da esphera, D a differença das longitudes; l a latitude do astro, λ a da lua, e Δ a distancia procurada; será pelos principios da trigonometria espherica

$$r^2 \cos \Delta = r \operatorname{sen} \lambda \operatorname{sen} l + \cos D \cos \lambda \cos l.$$

Faça-se $l + \lambda = \Sigma$; $l - \lambda = \delta$; e attendendo a que é

$$\operatorname{sen} \lambda \operatorname{sen} l = \frac{r(\cos \delta - \cos \Sigma)}{2}, \text{ e } \cos \lambda \cos l = \frac{r(\cos \delta + \cos \Sigma)}{2},$$

teremos
$$r \cos \Delta = \frac{r(\cos \delta - \cos \Sigma)}{2} + \left(\frac{\cos \delta + \cos \Sigma}{2} \right) \cos D$$

Attendendo finalmente a que é $\cos x = r - \frac{2}{r} \operatorname{sen}^2 \frac{1}{2} x$; e substituindo,

virá

$$\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \Delta = \frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \delta + \frac{1}{r} \operatorname{sen}^2 \frac{1}{2} D - \frac{1}{r} \left(\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \Sigma + \frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \delta \right) \times \frac{1}{r} \operatorname{sen}^2 \frac{1}{2} D. \quad (1)$$

Se um dos astros fôr o sol, será $l=0$, e $\Sigma = \delta = \lambda$; e a formula se torna em

$$\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \Delta = \frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \lambda + \frac{1}{r} \operatorname{sen}^2 \frac{1}{2} D - \frac{1}{r} \left(\frac{2}{r} \operatorname{sen}^2 \frac{1}{2} \lambda \right) \times \frac{1}{r} \operatorname{sen}^2 \frac{1}{2} D \dots (2)$$

A taboa I suppõe o raio = 10000000, e dá os diversos valores de $\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} x$, desde $x=0^\circ$, até $x=360^\circ$; e ainda que não seja precisa esta extensão para o calculo das distancias, deu-se-lhe a fim de poder servir para outros usos, como, por exemplo, o que vem notado na pag. 38 do *Calculo das Ephemerides Astronomicas de Coimbra*, publicado pelo Sr. Dr. R. R. de Sousa Pinto.

É facil de ver que esta taboa dará igualmente os valores de $\frac{1}{r} \cos^2 \frac{1}{2} x$ entrando nella com o supplemento do angulo x para mais ou para menos; por ser $\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} (180^\circ \pm x) = \frac{1}{r} \cos^2 \frac{1}{2} x$.

Como nas equações (1) e (2) entram só quadrados, sempre deveremos fazer as mesmas operações, sejam quaes forem a grandeza e signal dos angulos D , Δ , δ , e Σ ; sendo apenas preciso attender aos signaes de l e λ para a formação de Σ e δ .

Os intervallos da taboa são de 1' em 1'; e para maior commodidade, e facilidade do calculo, tomaram-se de dez em dez minutos as differenças medias em logar das verdadeiras; e daquellas se tomaram as partes correspondentes a 1, 2, 3...9 decimas de minuto; as quaes divididas por dez, dão as partes correspondentes a 1, 2, 3...9 centesimas de minuto; e se escreveram á direita das columnas correspondentes, como fez Callet nas suas Taboas dos logarithmos dos numeros: e brevemente mostraremos que o erro que daqui pôde provir para as distancias lunares, é insensivel.

O uso desta taboa facilita muito o calculo das distancias; 1º porque os numeros $\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \delta$, e $\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \Sigma$ se acham sempre proximos um do outro, e sendo pequenos tornam muito facil a multiplicação indicada no ultimo termo do 2º membro das equações (1) e (2): 2º por estarem já formadas as partes proporcionaes; 3º porque sendo D e Δ pouco differentes, acham-se quasi sempre $\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} D$, e $\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \Delta$ na mesma pagina; além de outras mais facilidades, que o uso mostrará.

Para calcular a formula (1) busca-se $\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \delta$ e $\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \Sigma$ na taboa; escreve-se o 2º debaixo do 1º; busca-se $\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} D$ na taboa, e debaixo deste escreve-se invertida a somma dos dois 1.ºs, de modo que o primeiro algarismo da direita

desta somma fique debaixo do primeiro algarismo á esquerda de $\frac{1}{r} \text{sen}^2 \frac{1}{2} D$, e pratica-se a multiplicação abreviada pelo methodo exposto no n.º 55 da Arithmetica de Bezout, *ediç. de Coimbra*, attendendo á influencia do algarismo immediato á direita em $\frac{1}{r} \text{sen}^2 \frac{1}{2} D$; e formada a somma dos productos parciaes, desprezado o ultimo algarismo da direita, subtrahese ao mesmo tempo de $\frac{1}{r} \text{sen}^2 \frac{1}{2} D$; e juntando $\frac{1}{r} \text{sen}^2 \frac{1}{2} \delta$ á differença, obtem-se $\frac{1}{r} \text{sen}^2 \frac{1}{2} \Delta$, com o qual entrando na taboa se acha Δ .

Para justificar o processo indicado na multiplicação de $\frac{1}{r} \text{sen}^2 \frac{1}{2} D$ por $\frac{1}{r} \left(\frac{1}{r} \text{sen}^2 \frac{1}{2} \delta + \frac{1}{r} \text{sen}^2 \frac{1}{2} \Sigma \right)$, cumpre advertir que, o multiplicador sendo a somma de dois numeros da taboa divididos por $r = 10000000$, é uma fracção cujo ultimo algarismo á direita pertence á 7.^a casa decimal.

Agora é facil de ver o modo como póde calcular-se a formula (2), que é o mesmo que para a formula (1), admittindo mais facilidade por ter de menos uma entrada na taboa.

Os numeros da taboa I poderão ter o erro de uma unidade; além disso o seu uso traz consigo outro erro, que provém de se empregarem as differenças medias em logar das verdadeiras; avaliemos o maior erro, que póde provir destas duas causas reunidas, para as distancias calculadas.

Seja $\frac{1}{r} \text{sen}^2 \frac{1}{2} \Delta = A$; $\frac{1}{r} \text{sen}^2 \frac{1}{2} D = B$; $\frac{1}{r} \text{sen}^2 \frac{1}{2} \delta = F$; $\frac{1}{r} \text{sen}^2 \frac{1}{2} \Sigma = G$; a formula (1) dá

$$A = F + B - \frac{B}{r} (F + G) \dots \dots \dots (3).$$

Suppondo agora que A, B, F, G, contém os erros dA , dB , dF , e dG ; acha-se pela differenciação da equação (3)

$$dA = dF + dB - \frac{dB}{r} (F + G) - \frac{B}{r} (dF + dG).$$

Mas sendo F e G muito pequenos será $\frac{dB}{r} (F + G)$ insensivel, desprezando pois este termo, virá

$$dA = dB + dF - \frac{B}{r} (dF + dG).$$

Se fizermos dG negativo para dar a dA um maior valor, será

$$dA = dB + dF + \frac{B}{r}(dG - dF)$$

Ora é claro que dA terá o maior valor quando forem dB , dF , dG iguaes ao maior erro da taboa; fazendo pois $dB = dF = dG$, virá $dA = dB + dF$; mas o maior erro, que póde provir de se tomarem as diferenças medias pelas verdadeiras, é $dB = dF = 2,5$; ao qual juntando uma unidade de erro, que pódem ter os numeros da taboa, virá $dB = dF = 3,5$; logo será $dA = dB + dF = 7$.

Como porém o numero, com que se entra na taboa, já leva o erro dA , e quando com elle se busca a distancia e se empregam as diferenças medias pelas verdadeiras póde commetter-se de novo o erro dB , que no caso mais desfavoravel se junta a dA , e póde ser $= 3,5$; segue-se que o maior erro, que póde commetter-se, é $dA = 10,5$; e pela simples inspecção da taboa se vê que este erro não póde trazer para as distancias de 20° o erro de $0',022$; e que este erro será menor que $0',01$ quando as distancias forem maiores que 46° ; ora as circumstancias desfavoraveis, que até agora consideramos, difficilmente se realizarão, e na maior parte dos casos se compensarão os erros; mas ainda que esta compensação não tivesse logar, tão pequenos erros não deviam fazer alterar a disposição da taboa, tirando-lhe a principal vantagem de estarem já formadas as partes proporcionaes.

Para exercicio damos o exemplo do calculo de uma distancia oriental de Jupiter a 19 de Septembro de 1855 ao meio dia.

Lat. \odot	$-4^\circ 13',86$	6801	F
Lat. ζ	$-1 14,52$	22793	G
δ	$2 59,34$	2153902	B
Σ	$5 23,38$	49592	H invertido
Long. \odot	$268 53,70$	4307.8	} $B \times H$
Long. ζ	$324 11,95$	1938.5	
D	$55 18,25$	107.7	
		19.4	
		.9	
		2147528 . . .	$B - B \times H$
Δ	$55^\circ 18',61$	2154329 . . .	$F + B - B \times H = A$

Eis aqui outro exemplo do calculo de uma distancia occidental do sol no dia 19 de Septembro de 1855 ao meio dia.

[VII]

Lat. ☉	— 4° 13',86	13627....	M
Long. ☉	268 53,70	5253807..	B
Long. ☽	175 59,12	45272....	2M, invertido
D	92 54,58	10507.6	} B × N
		3677.7	
		105.1	
		26.3	
		2.1	
		5239488..	B — B × N
Δ	92° 54',10	5253115..	M + B — B × N = A

Nestes exemplos supõe-se

$$\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \Delta = A; \quad \frac{1}{r} \operatorname{sen}^2 \frac{1}{2} D = B; \quad \frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \delta = F; \quad \frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \Sigma = G;$$

$$\frac{1}{r} \operatorname{sen}^2 \frac{1}{2} \lambda = M; \quad \frac{1}{r} (F + G) = H; \quad \frac{1}{r} \times 2M = N.$$

Taboa II. Methodo facil para calcular as passagens da lua pelo meridiano.

Seja θ a differença em horas das ascensões rectas da lua e do meridiano; A e B os correspondentes á ascensão recta da lua na ephemeride, e pertencentes á epoca; e fazendo $h = \frac{A - 2,464118}{900}$, será (veja-se o calculo das ephemerides já citado pag. 70)

$$t = \frac{\theta}{1 - \left(h + \frac{Bt}{900}\right)} = \theta \left[1 + h + \frac{Bt}{900} + \left(h + \frac{Bt}{900}\right)^2 + \left(h + \frac{Bt}{900}\right)^3 + \text{etc.} \right]$$

$$= \theta + \theta \left[h + h^2 + h^3 + \frac{Bt}{900} (1 + 2h + 3h^2) \right]$$

desprezando os outros termos como muito pequenos.

Para exprimir em θ o t que existe no 2.º membro tomemos por A o seu valor medio $A = 33'$, e desprezando o termo $\frac{Bt}{900} (1 + 2h + 3h^2)$, virá

$$t = \theta (1 + h + h^2 + h^3) = 1,035119, \theta,$$

e substituindo este valor com o de $1 + 2h + 3h^2 = 1,071311$ no 2.º membro,

virá $t = \theta + \theta(h + h^2 + h^3 + 0,00123215 B\theta)$, e fazendo $M = h + h^2 + h^3$, e $N = 0,00123215 B$, teremos $t = \theta + \theta(M + N\theta)$.

É facil de ver que nos casos mais desfavoraveis a influencia dos termos desprezados, e a substituição do valor medio de A para a simplificação da formula, nunca podem produzir 0',1 de erro, que é a aproximação da ephemeride.

A Taboa II dá os valores de M, entrando com o argumento A nas 1.^{as} 6 columnas da esquerda; e os de N entrando com o argumento B nas ultimas quatro columnas da direita.

O factor N tem 6 casas decimaes, e depois de multiplicado por θ despreza-se a ultima decimal, e junta-se ou tira-se a M conforme B tiver o signal + ou —, e despreza-se ainda a ultima decimal do factor $M + N\theta$, que fica só com quatro casas decimaes, o que é sufficiente; multiplica-se ainda por θ , e sommando com θ o producto resultante, obtem-se o tempo exacto da passagem.

Note-se que no uso da Taboa II não é preciso tomar partes proporcionaes, porque os valores de M variam só na ultima decimal, que tem de desprezar-se, e que só vai na Taboa para tornar mais exacta a quarta casa decimal do factor $M + N\theta$.

Tomemos para exercicio o mesmo exemplo do *calculo das Ephemerides* pag. 71; será $\theta = 20^h,0288$, $A = 29',941$, $B = +23,7$; a Taboa II dá $N = 0,000030$, e $M = 0,03144$; e obteremos $N\theta = 0,000601$, e $M + N\theta = 0,0320$, $(M + N\theta)\theta = 0^h,6409$, e $t = 20^h,6697 = 20^h40',2$.

Taboa III.

Esta Taboa dá os BB da Ephemeride independentemente do calculo dos AA. Os argumentos são as sommas das 2.^{as} differenças. A 1.^a columna horisontal, e a 1.^a columna vertical dão os BB; as outras columnas verticaes são os argumentos; assim para obter o B correspondente a um argumento deve juntar-se ao numero dado na 1.^a columna vertical o numero, que está no alto da columna vertical onde se acha o argumento.

Para achar os BB das passagens da lua pelo meridiano deve tomar-se a quarta parte dos BB dados pela Taboa.

Esta Taboa, sem dar mais facilidade do que o methodo até agora seguido, com tudo não difficulta o calculo; tem porém a vantagem de tornar o calculo dos BB independente do dos AA; evitando assim os erros, que não podem ser conhecidos pela prova ordinaria das paginas; (veja-se o *Calculo das Ephemerides* pag. 59. Nota).

Exemplo. Nos dias 16, 17, 18, 19, 20 de Setembro de 1855, e nas meias noites correspondentes, acham-se as seguintes distancias orientaes de Jupiter;

Dias	Distancias	Diferenças primeiras	Diferenças segundas	Sommas das Dif. segund.
16.	94° 43',27 88 20,28	6° 22',99 26,98	+ 3',99	+ 8',35
17.	81 53,30 75 21,96	31,34 36,03	4,36 4,69	9,05 9,69
18.	68 45,93 62 4,90	41,03 46,29	5,00 5,26	10,26 10,71
19.	55 18,61 48 26,87	51,74 6 57,20	5,45 5,46	10,91 10,78
20.	41 29,67 34 27,15	7 2,52	5,32	

Entrando pois na Taboa com os numeros da ultima columna, acham-se para os BB desde a meia noite do dia 16 até á meia noite do dia 19 os seguintes numeros + 14,5; + 15,7; + 16,8; + 17,8; + 18,6; + 18,9; + 18,7.

É facil de ver que nesta Taboa não é preciso tomar partes proporcionaes.

Taboa IV.

O terceiro methodo para a redução geocentrica dos Planetas, que vem exposto no *Calculo das Ephemerides* pag. 30, está claramente explicado; e por isso nada diremos sobre elle. Com tudo, para tornar mais facil este methodo calculamos a Taboa IV, a qual evita o calculo do angulo auxiliar φ : a Taboa dá

$\log. \frac{s - r \cos \lambda}{s + r \cos \lambda}$ entrando com $\log. \frac{r \cos \lambda}{s}$ como argumento para os planetas inferiores, e com $\log. \frac{s}{r \cos \lambda}$ para os superiores; a Taboa comprehende só as partes dependentes dos limites das relações $\frac{r \cos \lambda}{s}$, ou $\frac{s}{r \cos \lambda}$ em cada planeta, a fim de não lhe dar uma grande extensão desnecessaria.

Faça-se $\frac{r \cos \lambda}{s}$, ou $\frac{s}{r \cos \lambda} = m$, e $\frac{s - r \cos \lambda}{s + r \cos \lambda} = R$; e teremos

$$\text{tang. } \frac{1}{2}(p - E) = R \text{ tang. } \frac{1}{2}(\odot - P).$$

A Taboa dá o logarithmo do factor R entrando com $\log. m$ como argumento.

Para maior facilidade do calculo tomaram-se, em logar das differenças to-taes da taboa, as differenças correspondentes a 0,0000001.

Exemplo para exercicio.

No exemplo dado no *Calculo das Ephemerides* pag. 35, é

$$\log. m = 9.6643667,$$

entrando na Taboa acha-se para 9,6640 $\log. R = 9,5665883$, e tirando-lhe a parte proporcional $1,173 \times 3667 = 4301$, vem $\log. R = 9,5661582$, do mesmo modo que se acha com o angulo auxiliar.

Taboa V.

Esta Taboa dá o factor pelo qual deve multiplicar-se o movimento dos planetas em longitude ou latitude, de 6 em 6 dias, reduzido a minutos para obter a aberração correspondente; ella foi calculada tomando o meio termo entre os dois factores da aberração dados na nota da pag. 34 do *Calculo das Ephemerides*; assim, suppondo o movimento de 6 em 6 dias $=m$; e π a parallaxe horizontal, será

$$\text{aberr.} = \frac{-0',0001355}{\pi} \times m; \text{ e fazendo } \frac{0,0001355}{\pi} = F, \text{ será aberr.} = -Fm,$$

sendo m expresso em minutos. Os argumentos da Taboa são os valores de π , e acham-se com elles os diversos valores do factor F .

Se entrarmos na Taboa com o movimento em longitude ou latitude de 3 em 3 dias, multiplicaremos por 2 o factor correspondente.

Os argumentos seguem-se de 0',001 em 0',001 em quanto os factores variam muito; e augmentam-se os intervalos ao passo que os factores variam menos; assim nunca é preciso tomar partes proporcionaes.

É escusado dizer que a aberração se toma sempre com o signal contrario ao do movimento do astro.

O movimento m deve calcular-se pela formula que vem no fim do n.º 170 do *Calculo das Ephemerides*.

ERRATAS.

<i>Pag.</i>	<i>Columnas</i>	<i>Linhas</i>	<i>Erros</i>	<i>Emendas</i>
4	Diferenças de 12°	3	3	2
8	Diferenças de 31°	55	380	308
20	77°	5	3889913	3880913
39	154°	30	9511301	9512301
42	166°	40	6864889	9864889
52	7. ^a	50	9,7786	9,7788

ERRATA.

Page	Column	Line	Word	Correction
4	Differences de 12°	3	et	et
8	Differences de 31°	22	280	280
20	77	2	282013	282013
28	124	20	021201	021201
22	108	10	030133	030133
22	7.	20	07788	07788

TABOA I.

/	0°	Dif.	1°	Dif.	2°	Dif.	3°	Dif.	/
0	0		762	+27-	3046	+53-	6852	+78-	60
1	0		788	1 3	3097	1 5	6929	1 8	59
2	1		814	2 5	3148	2 11	7006	2 16	58
3	2		840	3 8	3200	3 16	7083	3 23	57
4	3		867	4 11	3252	4 21	7160	4 31	56
5	5		895	5 14	3305	5 27	7238	5 39	55
6	7		923	6 16	3358	6 32	7317	6 47	54
7	10		951	7 19	3411	7 37	7396	7 55	53
8	13		979	8 22	3465	8 42	7475	8 62	52
9	17		1008	9 24	3520	9 48	7555	9 70	51
10	21		1037	+32-	3575	+57-	7635	+82-	50
11	26		1067	1 3	3630	1 6	7715	1 8	49
12	31		1097	2 6	3686	2 11	7796	2 16	48
13	36		1128	3 10	3742	3 17	7878	3 25	47
14	42		1159	4 13	3798	4 23	7960	4 33	46
15	48		1190	5 16	3855	5 29	8042	5 41	45
16	54		1222	6 19	3912	6 34	8124	6 49	44
17	61		1255	7 22	3970	7 40	8207	7 57	43
18	68		1288	8 26	4028	8 46	8291	8 66	42
19	76		1321	9 29	4086	9 51	8375	9 74	41
20	84	+11-	1354	+36-	4145	+61-	8459	+87-	40
21	93	1 1	1388	1 4	4205	1 6	8544	1 9	39
22	102	2 2	1423	2 7	4265	2 12	8629	2 17	38
23	112	3 3	1458	3 11	4325	3 18	8715	3 26	37
24	122	4 4	1493	4 14	4386	4 24	8801	4 35	36
25	132	5 6	1529	5 18	4447	5 31	8888	5 44	35
26	143	6 7	1565	6 22	4509	6 37	8975	6 52	34
27	154	7 8	1601	7 25	4571	7 43	9062	7 61	33
28	166	8 9	1638	8 29	4633	8 49	9149	8 70	32
29	178	9 10	1676	9 32	4696	9 55	9237	9 78	31
30	191	+15-	1714	+40-	4759	+65-	9326	+91-	30
31	204	1 2	1752	1 4	4823	1 7	9415	1 9	29
32	217	2 3	1790	2 8	4887	2 13	9504	2 18	28
33	231	3 5	1829	3 12	4952	3 20	9594	3 27	27
34	245	4 6	1869	4 16	5017	4 26	9684	4 36	26
35	259	5 8	1909	5 20	5082	5 33	9775	5 46	25
36	274	6 9	1949	6 24	5147	6 39	9866	6 55	24
37	290	7 11	1990	7 28	5213	7 46	9958	7 64	23
38	306	8 12	2031	8 32	5280	8 52	10050	8 73	22
39	322	9 14	2073	9 36	5347	9 59	10142	9 82	21
40	338	+19-	2115	+44-	5414	+70-	10235	+95-	20
41	355	1 2	2158	1 4	5482	1 7	10329	1 10	19
42	373	2 4	2201	2 9	5550	2 14	10423	2 19	18
43	391	3 6	2244	3 13	5619	3 21	10517	3 29	17
44	409	4 8	2288	4 18	5688	4 28	10611	4 38	16
45	428	5 10	2332	5 22	5758	5 35	10706	5 48	15
46	448	6 11	2377	6 26	5828	6 42	10801	6 57	14
47	468	7 13	2422	7 31	5898	7 49	10897	7 67	13
48	488	8 15	2467	8 35	5969	8 56	10993	8 76	12
49	508	9 17	2513	9 40	6040	9 63	11090	9 86	11
50	529	+23-	2559	+49-	6112	+74-	11187	+99-	10
51	550	1 2	2606	1 5	6184	1 7	11284	1 10	9
52	572	2 5	2653	2 10	6256	2 15	11382	2 20	8
53	594	3 7	2701	3 15	6329	3 22	11481	3 30	7
54	617	4 9	2749	4 20	6402	4 30	11580	4 40	6
55	640	5 12	2797	5 25	6476	5 37	11679	5 50	5
56	664	6 14	2846	6 29	6550	6 44	11778	6 59	4
57	688	7 16	2896	7 34	6625	7 52	11878	7 69	3
58	712	8 18	2946	8 39	6700	8 59	11978	8 79	2
59	737	9 21	2996	9 44	6776	9 67	12079	9 89	1
/	359°	Dif.	358°	Dif.	357°	Dif.	356°	Dif.	/

7	4°	Dif.	5°	Dif.	6°	Dif.	7°	Dif.	7
0	12180	+104-	19026	+129-	27391	+154-	37270	+179-	60
1	12202	1 10	19153	1 13	27543	1 15	37448	1 18	59
2	12304	2 21	19280	2 26	27696	2 31	37626	2 36	58
3	12406	3 31	19408	3 39	27849	3 46	37804	3 54	57
4	12509	4 42	19536	4 52	28002	4 62	37982	4 72	56
5	12693	5 52	19665	5 65	28156	5 77	38161	5 90	55
6	12797	6 62	19794	6 77	28310	6 92	38341	6 107	54
7	12901	7 73	19923	7 90	28465	7 108	38521	7 125	53
8	13005	8 83	20053	8 103	28620	8 123	38701	8 143	52
9	13110	9 94	20184	9 116	28776	9 139	38882	9 161	51
10	13216	+108-	20315	+133-	28932	+158-	39063	+183-	50
11	13322	1 11	20446	1 13	29088	1 16	39244	1 18	49
12	13428	2 22	20578	2 27	29245	2 32	39426	2 37	48
13	13535	3 32	20710	3 40	29402	3 47	39609	3 55	47
14	13642	4 43	20842	4 53	29560	4 63	39792	4 73	46
15	13749	5 54	20975	5 67	29718	5 79	39975	5 92	45
16	13857	6 65	21108	6 80	29876	6 95	40158	6 110	44
17	13966	7 76	21242	7 93	30035	7 111	40342	7 128	43
18	14075	8 86	21376	8 106	30194	8 126	40527	8 146	42
19	14184	9 97	21510	9 120	30354	9 142	40712	9 165	41
20	14293	+112-	21645	+137-	30514	+163-	40897	+188-	40
21	14403	1 11	21781	1 14	30675	1 16	41083	1 19	39
22	14514	2 22	21917	2 27	30836	2 33	41270	2 38	38
23	14625	3 34	22053	3 41	30998	3 49	41457	3 56	37
24	14736	4 45	22190	4 55	31160	4 65	41644	4 75	36
25	14848	5 56	22327	5 69	31323	5 82	41832	5 94	35
26	14960	6 67	22465	6 82	31486	6 98	42020	6 113	34
27	15073	7 78	22603	7 96	31649	7 114	42208	7 132	33
28	15186	8 90	22741	8 110	31812	8 130	42396	8 150	32
29	15300	9 101	22880	9 123	31976	9 147	42585	9 169	31
30	15414	+116-	23019	+141-	32141	+167-	42775	+192-	30
31	15528	1 12	23159	1 14	32306	1 17	42965	1 19	29
32	15643	2 23	23299	2 28	32471	2 33	43155	2 38	28
33	15758	3 35	23440	3 42	32637	3 50	43346	3 58	27
34	15874	4 46	23581	4 56	32803	4 67	43538	4 77	26
35	15990	5 58	23722	5 71	32969	5 84	43730	5 96	25
36	16106	6 70	23863	6 85	33136	6 100	43922	6 115	24
37	16223	7 81	24005	7 99	33304	7 117	44115	7 134	23
38	16340	8 93	24148	8 113	33472	8 134	44308	8 154	22
39	16458	9 104	24291	9 127	33640	9 150	44501	9 173	21
40	16576	+120-	24434	+146-	33808	+171-	44695	+196-	20
41	16695	1 12	24578	1 15	33977	1 17	44890	1 20	19
42	16814	2 24	24722	2 29	34147	2 34	45085	2 39	18
43	16933	3 36	24867	3 44	34317	3 51	45280	3 59	17
44	17053	4 48	25012	4 58	34487	4 68	45475	4 78	16
45	17173	5 60	25158	5 73	34658	5 86	45671	5 98	15
46	17294	6 72	25304	6 88	34829	6 103	45867	6 118	14
47	17415	7 84	25450	7 102	35001	7 120	46064	7 137	13
48	17536	8 96	25596	8 117	35173	8 137	46261	8 157	12
49	17658	9 108	25743	9 131	35346	9 154	46459	9 176	11
50	17780	+125-	25891	+150-	35519	+175-	46657	+200-	10
51	17903	1 13	26039	1 15	35692	1 18	46855	1 20	9
52	18026	2 25	26187	2 30	35865	2 35	47053	2 40	8
53	18150	3 38	26336	3 45	36039	3 53	47252	3 60	7
54	18274	4 50	26485	4 60	36214	4 70	47452	4 80	6
55	18398	5 63	26635	5 75	36389	5 88	47652	5 100	5
56	18523	6 75	26785	6 90	36564	6 105	47852	6 120	4
57	18648	7 88	26936	7 105	36740	7 123	48053	7 140	3
58	18774	8 100	27087	8 120	36916	8 140	48255	8 160	2
59	18900	9 113	27239	9 135	37093	9 158	48457	9 180	1
7	355°	Dif.	354°	Dif.	353°	Dif.	352°	Dif.	7

TABOA I.

1	8°	Dif.	9°	Dif.	10°	Dif.	11°	Dif.	1
0	48659	+205-	61558	+230-	75961	+255-	91864	+280-	60
1	48862	1 21	61786	1 23	76214	1 26	92142	1 28	59
2	49065	2 41	62014	2 46	76467	2 51	92420	2 56	58
3	49268	3 62	62242	3 69	76720	3 77	92698	3 84	57
4	49472	4 82	62471	4 92	76974	4 102	92977	4 112	56
5	49677	5 103	62701	5 115	77229	5 128	93257	5 140	55
6	49882	6 123	62931	6 138	77484	6 153	93537	6 168	54
7	50087	7 144	63161	7 161	77739	7 179	93817	7 196	53
8	50292	8 164	63391	8 184	77994	8 204	94097	8 224	52
9	50498	9 185	63622	9 207	78250	9 230	94378	9 252	51
10	50705	+209-	63854	+234-	78507	+259-	94660	+284-	50
11	50912	1 21	64086	1 23	78764	1 26	94942	1 28	49
12	51119	2 42	64318	2 47	79021	2 52	95224	2 57	48
13	51327	3 63	64551	3 70	79279	3 78	95507	3 85	47
14	51535	4 84	64784	4 94	79537	4 104	95790	4 114	46
15	51743	5 105	65017	5 117	79795	5 130	96073	5 142	45
16	51952	6 125	65251	6 140	80054	6 155	96357	6 170	44
17	52162	7 146	65486	7 164	80314	7 181	96642	7 199	43
18	52372	8 167	65721	8 187	80574	8 207	96927	8 227	42
19	52582	9 188	65956	9 211	80834	9 233	97212	9 256	41
20	52792	+213-	66192	+238-	81094	+263-	97497	+288-	40
21	53003	1 21	66428	1 24	81356	1 26	97783	1 29	39
22	53214	2 43	66665	2 48	81618	2 53	98070	2 58	38
23	53426	3 64	66902	3 71	81880	3 79	98357	3 86	37
24	53638	4 85	67139	4 95	82142	4 105	98644	4 115	36
25	53851	5 107	67377	5 119	82405	5 132	98932	5 144	35
26	54064	6 128	67615	6 143	82668	6 158	99220	6 173	34
27	54277	7 149	67853	7 167	82931	7 184	99508	7 202	33
28	54491	8 170	68092	8 190	83195	8 210	99797	8 230	32
29	54706	9 192	68332	9 214	83460	9 237	100087	9 259	31
30	54921	+217-	68572	+242-	83725	+267-	100377	+292-	30
31	55136	1 22	68812	1 24	83990	1 27	100667	1 29	29
32	55351	2 43	69053	2 48	84256	2 53	100957	2 58	28
33	55567	3 65	69294	3 73	84522	3 80	101248	3 88	27
34	55784	4 87	69536	4 97	84789	4 107	101540	4 117	26
35	56001	5 109	69778	5 121	85056	5 134	101832	5 146	25
36	56218	6 130	70020	6 145	85323	6 160	102124	6 175	24
37	56436	7 152	70262	7 169	85591	7 187	102417	7 204	23
38	56654	8 174	70505	8 194	85859	8 214	102710	8 234	22
39	56872	9 195	70749	9 218	86127	9 240	103003	9 263	21
40	57091	+221-	70993	+246-	86396	+271-	103297	+296-	20
41	57311	1 22	71238	1 25	86665	1 27	103592	1 30	19
42	57531	2 44	71483	2 49	86936	2 54	103887	2 59	18
43	57751	3 66	71728	3 74	87206	3 81	104182	3 89	17
44	57971	4 88	71973	4 98	87476	4 108	104477	4 118	16
45	58192	5 111	72219	5 123	87748	5 136	104773	5 148	15
46	58414	6 133	72466	6 148	88020	6 163	105069	6 178	14
47	58636	7 155	72713	7 172	88292	7 190	105366	7 207	13
48	58858	8 177	72960	8 197	88564	8 217	105663	8 237	12
49	59081	9 199	73208	9 221	88837	9 244	105961	9 266	11
50	59304	+225-	73466	+250-	89110	+275-	106259	+300-	10
51	59527	1 23	73704	1 25	89383	1 28	106557	1 30	9
52	59751	2 45	73953	2 50	89657	2 55	106856	2 60	8
53	59976	3 68	74203	3 75	89932	3 83	107156	3 90	7
54	60201	4 90	74453	4 100	90207	4 110	107456	4 120	6
55	60426	5 113	74704	5 125	90482	5 138	107756	5 150	5
56	60651	6 135	74955	6 150	90757	6 165	108056	6 180	4
57	60877	7 158	75206	7 175	91033	7 193	108357	7 210	3
58	61104	8 180	75457	8 200	91310	8 220	108658	8 240	2
59	61331	9 203	75709	9 225	91587	9 248	108960	9 270	1
1	351°	Dif.	350°	Dif.	349°	Dif.	348°	Dif.	1

TABOA I.

1	12°	Dif.	13°	Dif.	14°	Dif.	15°	Dif.	1
0	109262	+305—	128149	+329—	148522	+354—	170371	+378—	60
1	109565	1 31	128477	1 33	148874	1 35	170748	1 38	59
2	109868	2 61	128805	2 66	149226	2 71	171125	2 76	58
3	110171	3 92	129133	3 99	149579	3 106	171502	3 113	57
4	110475	4 122	129461	4 132	149932	4 142	171880	4 151	56
5	110780	5 153	129790	5 165	150286	5 177	172259	5 189	55
6	111085	6 183	130120	6 197	150640	6 212	172638	6 227	54
7	111390	7 214	130450	7 230	150994	7 248	173017	7 265	53
8	111695	8 244	130780	8 263	151349	8 283	173396	8 302	52
9	112001	9 275	131111	9 296	151705	9 319	173776	9 340	51
10	112307	+309—	131442	+333—	152061	+358—	174156	+382—	50
11	112614	1 31	131773	1 33	152417	1 36	174537	1 38	49
12	112921	2 62	132105	2 67	152773	2 72	174918	2 76	48
13	113229	3 93	132438	3 100	153130	3 107	175300	3 115	47
14	113537	4 124	132771	4 133	153487	4 143	175682	4 153	46
15	113845	5 155	133104	5 167	153845	5 179	176064	5 191	45
16	114153	6 185	133437	6 200	154203	6 215	176446	6 229	44
17	114462	7 216	133771	7 233	154562	7 251	176829	7 267	43
18	114772	8 247	134106	8 265	154921	8 286	177213	8 306	42
19	115082	9 278	134441	9 300	155280	9 322	177597	9 344	41
20	115392	+313—	134776	+337—	155640	+362—	177981	+387—	40
21	115703	1 31	135112	1 34	156001	1 36	178366	1 39	39
22	116015	2 63	135448	2 67	156362	2 72	178751	2 77	38
23	116327	3 94	135784	3 101	156723	3 109	179137	3 116	37
24	116639	4 125	136121	4 135	157084	4 145	179523	4 155	36
25	116952	5 157	136458	5 169	157446	5 181	179910	5 194	35
26	117265	6 188	136796	6 202	157808	6 217	180297	6 232	34
27	117578	7 219	137134	7 236	158171	7 253	180684	7 271	33
28	117891	8 250	137472	8 270	158534	8 290	181071	8 310	32
29	118205	9 282	137811	9 303	158898	9 326	181459	9 348	31
30	118520	+317—	138150	+342—	159262	+366—	181848	+391—	30
31	118835	1 32	138490	1 34	159626	1 37	182237	1 39	29
32	119150	2 63	138830	2 68	159991	2 73	182626	2 78	28
33	119466	3 95	139171	3 103	160356	3 110	183016	3 117	27
34	119782	4 127	139512	4 137	160722	4 146	183406	4 156	26
35	120099	5 159	139853	5 171	161088	5 183	183796	5 196	25
36	120416	6 190	140195	6 205	161454	6 220	184187	6 235	24
37	120734	7 222	140537	7 239	161821	7 256	184578	7 274	23
38	121052	8 254	140880	8 274	162188	8 293	184970	8 313	22
39	121370	9 285	141223	9 308	162555	9 329	185362	9 352	21
40	121688	+321—	141566	+346—	162923	+370—	185754	+395—	20
41	122007	1 32	141910	1 35	163292	1 37	186147	1 40	19
42	122327	2 64	142254	2 69	163661	2 74	186540	2 79	18
43	122647	3 96	142599	3 104	164030	3 111	186934	3 119	17
44	122967	4 128	142944	4 138	164399	4 148	187328	4 158	16
45	123288	5 161	143290	5 173	164770	5 185	187723	5 198	15
46	123609	6 193	143636	6 208	165141	6 222	188118	6 237	14
47	123931	7 225	143982	7 242	165512	7 259	188514	7 277	13
48	124253	8 257	144329	8 277	165883	8 296	188910	8 316	12
49	124576	9 289	144676	9 311	166255	9 333	189306	9 356	11
50	124899	+325—	145024	+350—	166627	+374—	189703	+399—	10
51	125222	1 33	145372	1 35	166999	1 37	190100	1 40	9
52	125545	2 65	145720	2 70	167372	2 75	190497	2 80	8
53	125869	3 98	146069	3 105	167746	3 112	190895	3 120	7
54	126194	4 130	146418	4 140	168120	4 150	191293	4 160	6
55	126519	5 163	146768	5 175	168494	5 187	191692	5 200	5
56	126844	6 195	147118	6 210	168868	6 224	192091	6 239	4
57	127170	7 228	147469	7 245	169243	7 262	192491	7 279	3
58	127496	8 260	147820	8 280	169619	8 299	192892	8 319	2
59	127822	9 293	148171	9 315	169995	9 337	193293	9 359	1
1	347°	Dif.	346°	Dif.	345°	Dif.	344°	Dif.	1

TABOA I.

/	16°	Dif.	17°	Dif.	18°	Dif.	19°	Dif.	/
0	193694	+403-	218476	+427-	244718	+451-	272407	+475-	60
1	194095	1 40	218902	1 43	245168	1 45	272881	1 48	59
2	194496	2 81	219328	2 85	245618	2 90	273355	2 95	58
3	194898	3 121	219754	3 128	246068	3 135	273829	3 143	57
4	195300	4 161	220180	4 171	246519	4 180	274304	4 190	56
5	195703	5 202	220607	5 214	246970	5 226	274779	5 238	55
6	196106	6 242	221035	6 256	247422	6 271	275255	6 285	54
7	196509	7 282	221463	7 299	247874	7 316	275731	7 333	53
8	196913	8 322	221891	8 342	248327	8 361	276208	8 380	52
9	197317	9 363	222320	9 384	248780	9 406	276685	9 428	51
10	197722	+407-	222749	+431-	249233	+455-	277162	+479-	50
11	198127	1 41	223178	1 43	249686	1 46	277640	1 48	49
12	198532	2 81	223608	2 86	250140	2 91	278118	2 96	48
13	198938	3 122	224038	3 129	250595	3 137	278597	3 144	47
14	199344	4 163	224469	4 172	251050	4 182	279076	4 192	46
15	199751	5 204	224900	5 216	251505	5 228	279555	5 240	45
16	200158	6 244	225331	6 259	251960	6 273	280035	6 287	44
17	200566	7 285	225763	7 302	252416	7 319	280515	7 335	43
18	200974	8 326	226195	8 345	252873	8 364	280995	8 383	42
19	201382	9 366	226628	9 388	253330	9 410	281476	9 431	41
20	201791	+411-	227061	+435-	253787	+459-	281957	+483-	40
21	202200	1 41	227495	1 44	254244	1 46	282439	1 48	39
22	202610	2 82	227929	2 87	254702	2 92	282921	2 97	38
23	203020	3 123	228363	3 131	255161	3 138	283404	3 145	37
24	203430	4 164	228798	4 174	255620	4 184	283887	4 193	36
25	203841	5 206	229233	5 218	256079	5 230	284370	5 242	35
26	204252	6 247	229668	6 261	256539	6 275	284854	6 290	34
27	204663	7 288	230104	7 305	256999	7 321	285338	7 338	33
28	205075	8 329	230541	8 348	257460	8 367	285822	8 386	32
29	205488	9 370	230978	9 392	257921	9 413	286307	9 435	31
30	205901	+415-	231415	+439-	258382	+463-	286793	+487-	30
31	206314	1 42	231853	1 44	258843	1 46	287279	1 49	29
32	206727	2 83	232291	2 88	259305	2 93	287765	2 97	28
33	207142	3 125	232729	3 132	259768	3 139	288251	3 146	27
34	207557	4 166	233167	4 176	260231	4 185	288738	4 195	26
35	207972	5 208	233606	5 220	260694	5 232	289226	5 244	25
36	208387	6 249	234046	6 263	261158	6 278	289714	6 292	24
37	208803	7 291	234486	7 307	261622	7 324	290202	7 341	23
38	209219	8 332	234926	8 351	262087	8 370	290690	8 390	22
39	209635	9 374	235367	9 395	262552	9 417	291179	9 438	21
40	210052	+419-	235808	+443-	263017	+467-	291668	+491-	20
41	210470	1 42	236250	1 44	263483	1 47	292158	1 49	19
42	210888	2 84	236692	2 89	263949	2 93	292648	2 98	18
43	211306	3 126	237135	3 133	264416	3 140	293138	3 147	17
44	211724	4 168	237578	4 177	264883	4 187	293629	4 196	16
45	212143	5 210	238021	5 222	265350	5 234	294120	5 246	15
46	212563	6 251	238464	6 266	265818	6 280	294611	6 295	14
47	212983	7 293	238908	7 310	266286	7 327	295103	7 344	13
48	213403	8 335	239353	8 354	266754	8 374	295595	8 393	12
49	213824	9 377	239798	9 399	267223	9 420	296088	9 442	11
50	214245	+423-	240243	+447-	267693	+471-	296582	+495-	10
51	214666	1 42	240689	1 45	268163	1 47	297076	1 50	9
52	215087	2 85	241135	2 89	268633	2 94	297570	2 99	8
53	215509	3 127	241581	3 134	269102	3 141	298065	3 149	7
54	215932	4 169	242028	4 179	269574	4 188	298560	4 198	6
55	216355	5 212	242475	5 224	270045	5 236	299055	5 248	5
56	216778	6 254	242923	6 268	270516	6 283	299551	6 297	4
57	217202	7 296	243371	7 313	270988	7 330	300047	7 347	3
58	217626	8 338	243820	8 358	271460	8 377	300543	8 396	2
59	218051	9 381	244269	9 402	271933	9 424	301040	9 446	1
/	343°	Dif.	342°	Dif.	341°	Dif.	340°	Dif.	/

<i>l</i>	20°	Dif.	21°	Dif.	22°	Dif.	23°	Dif.	<i>l</i>
0	301537	+499-	332098	+523-	364081	+547-	397476	+570-	60
1	302034	1 50	332619	1 52	364626	1 55	398044	1 57	59
2	302532	2 100	333141	2 105	365171	2 109	398613	2 114	58
3	303031	3 150	333653	3 157	365717	3 164	399182	3 171	57
4	303530	4 200	334186	4 209	366264	4 218	399752	4 228	56
5	304029	5 250	334709	5 262	366811	5 274	400322	5 285	55
6	304529	6 299	335232	6 314	367358	6 328	400892	6 342	54
7	305029	7 349	335756	7 366	367905	7 383	401463	7 399	53
8	305529	8 399	336280	8 418	368453	8 438	402034	8 456	52
9	306030	9 449	336805	9 471	369001	9 492	402605	9 513	51
10	306531	+503-	337330	+527-	369549	+551-	403177	+574-	50
11	307033	1 50	337855	1 53	370098	1 55	403750	1 57	49
12	307535	2 101	338381	2 105	370647	2 110	404323	2 115	48
13	308037	3 151	338907	3 158	371197	3 165	404896	3 172	47
14	308540	4 201	339434	4 211	371747	4 220	405470	4 230	46
15	309043	5 252	339961	5 264	372298	5 276	406044	5 287	45
16	309546	6 302	340488	6 316	372849	6 331	406619	6 344	44
17	310050	7 352	341016	7 369	373400	7 386	407194	7 402	43
18	310554	8 402	341544	8 422	373951	8 441	407769	8 459	42
19	311059	9 453	342073	9 474	374503	9 496	408344	9 517	41
20	311564	+507-	342602	+531-	375056	+555-	408920	+578-	40
21	312070	1 51	343132	1 53	375609	1 56	409496	1 58	39
22	312576	2 101	343662	2 106	376162	2 111	410073	2 116	38
23	313083	3 152	344192	3 159	376716	3 167	410650	3 173	37
24	313590	4 203	344722	4 212	377270	4 222	411227	4 231	36
25	314097	5 254	345253	5 266	377825	5 278	411805	5 289	35
26	314605	6 304	345784	6 319	378380	6 333	412383	6 347	34
27	315113	7 355	346316	7 372	378935	7 389	412962	7 405	33
28	315621	8 406	346848	8 425	379491	8 444	413541	8 462	32
29	316130	9 456	347380	9 478	380047	9 500	414120	9 520	31
30	316639	+511-	347913	+535-	380603	+558-	414700	+582-	30
31	317148	1 51	348446	1 54	381160	1 56	415280	1 58	29
32	317658	2 102	348980	2 107	381717	2 112	415861	2 116	28
33	318168	3 153	349514	3 161	382275	3 167	416442	3 175	27
34	318679	4 204	350048	4 214	382833	4 223	417023	4 233	26
35	319190	5 256	350582	5 268	383391	5 279	417605	5 291	25
36	319702	6 307	351117	6 321	383949	6 335	418187	6 349	24
37	320214	7 358	351653	7 375	384508	7 391	418769	7 407	23
38	320726	8 409	352189	8 423	385068	8 446	419352	8 466	22
39	321239	9 460	352726	9 482	385628	9 502	419935	9 524	21
40	321752	+515-	353263	+539-	386183	+562-	420519	+586-	20
41	322266	1 52	353800	1 54	386749	1 56	421103	1 59	19
42	322780	2 103	354337	2 108	387310	2 112	421687	2 117	18
43	323294	3 155	354875	3 162	387871	3 169	422272	3 176	17
44	323809	4 206	355414	4 216	388433	4 225	422857	4 234	16
45	324324	5 258	355953	5 270	388995	5 281	423443	5 293	15
46	324840	6 309	356492	6 323	389558	6 337	424029	6 352	14
47	325356	7 361	357032	7 377	390121	7 393	424615	7 410	13
48	325873	8 412	357572	8 431	390684	8 450	425202	8 469	12
49	326390	9 464	358112	9 485	391248	9 506	425789	9 527	11
50	326907	+519-	358653	+543-	391813	+566-	426377	+590-	10
51	327424	1 52	359194	1 54	392378	1 57	426965	1 59	9
52	327942	2 104	359735	2 109	392943	2 113	427553	2 118	8
53	328460	3 156	360277	3 163	393508	3 170	428142	3 177	7
54	328979	4 208	360819	4 217	394074	4 226	428731	4 236	6
55	329498	5 260	361362	5 272	394640	5 283	429321	5 295	5
56	330017	6 311	361905	6 326	395207	6 340	429911	6 354	4
57	330536	7 363	362448	7 380	395774	7 396	430501	7 413	3
58	331056	8 415	362992	8 434	396341	8 453	431092	8 472	2
59	331577	9 467	363536	9 489	396908	9 509	431683	9 531	1
<i>l</i>	339°	Dif.	338°	Dif.	337°	Dif.	336°	Dif.	<i>l</i>

TABOA I.

	24°	Dif.	25°	Dif.	26°	Dif.	27°	Dif.	
0	432274	+593-	468461	+617-	506030	+639-	544967	+662-	60
1	432865	1 59	469076	1 62	506568	1 64	545628	1 66	59
2	433457	2 119	469691	2 123	507306	2 128	546289	2 132	58
3	434049	3 173	470306	3 185	507944	3 192	546950	3 199	57
4	434642	4 237	470922	4 247	508583	4 256	547612	4 263	56
5	435235	5 297	471538	5 309	509222	5 320	548274	5 331	55
6	435829	6 356	472155	6 370	509862	6 383	548936	6 397	54
7	436423	7 415	472772	7 432	510502	7 447	549599	7 463	53
8	437018	8 474	473390	8 494	511143	8 511	550262	8 530	52
9	437613	9 534	474008	9 555	511784	9 575	550926	9 596	51
10	438208	+597-	474627	+620-	512425	+643-	551590	+666-	50
11	438804	1 60	475246	1 62	513067	1 64	552254	1 67	49
12	439400	2 119	475865	2 124	513709	2 129	552918	2 133	48
13	439996	3 179	476485	3 186	514351	3 193	553583	3 200	47
14	440593	4 239	477105	4 248	514994	4 257	554249	4 266	46
15	441190	5 299	477725	5 310	515637	5 322	554915	5 333	45
16	441787	6 358	478346	6 372	516280	6 386	555581	6 400	44
17	442385	7 418	478967	7 434	516924	7 450	556247	7 466	43
18	442983	8 478	479588	8 496	517568	8 514	556914	8 533	42
19	443582	9 537	480210	9 558	518213	9 579	557581	9 599	41
20	444181	+601-	480832	+624-	518858	+647-	558249	+670-	40
21	444781	1 60	481454	1 62	519503	1 65	558917	1 67	39
22	445381	2 120	482077	2 125	520149	2 129	559585	2 134	38
23	445981	3 180	482700	3 187	520795	3 194	560254	3 201	37
24	446582	4 240	483323	4 250	521441	4 259	560923	4 268	36
25	447183	5 301	483947	5 312	522088	5 324	561593	5 335	35
26	447785	6 361	484572	6 374	522736	6 388	562263	6 402	34
27	448387	7 421	485197	7 437	523384	7 453	562933	7 469	33
28	448989	8 481	485822	8 499	524032	8 518	563604	8 536	32
29	449591	9 541	486448	9 562	524680	9 582	564275	9 603	31
30	450194	+605-	487074	+628-	525329	+651-	564946	+673-	30
31	450797	1 61	487700	1 63	525978	1 65	565618	1 67	29
32	451401	2 121	488327	2 126	526628	2 130	566290	2 135	28
33	452005	3 182	488954	3 188	527278	3 195	566963	3 202	27
34	452610	4 242	489582	4 251	527928	4 260	567636	4 269	26
35	453215	5 303	490210	5 314	528579	5 326	568309	5 337	25
36	453820	6 363	490838	6 377	529230	6 391	568983	6 404	24
37	454426	7 424	491467	7 440	529881	7 456	569657	7 471	23
38	455032	8 484	492096	8 502	530533	8 521	570331	8 538	22
39	455638	9 545	492725	9 565	531185	9 586	571006	9 606	21
40	456245	+609-	493355	+632-	531838	+655-	571681	+677-	20
41	456852	1 61	493985	1 63	532491	1 66	572356	1 68	19
42	457459	2 122	494615	2 126	533144	2 131	573032	2 135	18
43	458067	3 183	495246	3 190	533798	3 197	573708	3 203	17
44	458676	4 244	495878	4 253	534452	4 262	574385	4 271	16
45	459285	5 305	496510	5 316	535107	5 328	575062	5 339	15
46	459894	6 365	497142	6 379	535762	6 393	575740	6 406	14
47	460503	7 426	497774	7 442	536417	7 459	576418	7 474	13
48	461113	8 487	498407	8 506	537072	8 524	577096	8 542	12
49	461723	9 548	499040	9 569	537728	9 590	577775	9 609	11
50	462334	+613-	499674	+636-	538384	+658-	578454	+681-	10
51	462945	1 61	500308	1 64	539041	1 66	579133	1 68	9
52	463556	2 123	500942	2 127	539698	2 132	579813	2 136	8
53	464167	3 184	501576	3 191	540355	3 197	580493	3 204	7
54	464779	4 245	502211	4 254	541013	4 263	581173	4 272	6
55	465392	5 307	502847	5 318	541671	5 329	581854	5 341	5
56	466005	6 368	503483	6 382	542329	6 395	582535	6 409	4
57	466619	7 429	504119	7 445	542988	7 461	583217	7 477	3
58	467233	8 490	504756	8 509	543647	8 526	583899	8 545	2
59	467847	9 552	505393	9 572	544307	9 592	584581	9 613	1
	335°	Dif.	334°	Dif.	333°	Dif.	332°	Dif.	

/	28°	Dif.	29°	Dif.	30°	Dif.	31°	Dif.	/
0	585263	+685-	626901	+707-	669873	+729-	714164	+751-	60
1	585946	1 69	627606	1 71	670600	1 73	714913	1 75	59
2	586630	2 137	628312	2 141	671328	2 146	715663	2 150	58
3	587314	3 206	629018	3 212	672056	3 219	716413	3 225	57
4	587998	4 274	629725	4 283	672785	4 292	717164	4 300	56
5	588682	5 343	630432	5 354	673514	5 365	717915	5 376	55
6	589367	6 411	631139	6 424	674243	6 437	718666	6 451	54
7	590052	7 480	631846	7 495	674973	7 510	719417	7 526	53
8	590738	8 548	632554	8 566	675703	8 583	720169	8 601	52
9	591424	9 617	633262	9 636	676433	9 656	720921	9 676	51
10	592110	+688-	633971	+711-	677164	+733-	721674	+754-	50
11	592796	1 69	634680	1 71	677895	1 73	722427	1 75	49
12	593483	2 138	635389	2 142	678626	2 147	723180	2 151	48
13	594171	3 206	636099	3 213	679358	3 220	723933	3 226	47
14	594859	4 275	636809	4 284	680090	4 293	724687	4 302	46
15	595547	5 344	637520	5 356	680823	5 367	725441	5 377	45
16	596236	6 413	638231	6 427	681556	6 440	726196	6 452	44
17	596925	7 482	638942	7 498	682289	7 513	726951	7 528	43
18	597614	8 550	639654	8 569	683023	8 586	727707	8 603	42
19	598303	9 619	640365	9 640	683757	9 660	728463	9 679	41
20	598993	+692-	641078	+714-	684491	+736-	729219	+758-	40
21	599684	1 69	641791	1 71	685226	1 74	729975	1 76	39
22	600375	2 138	642504	2 143	685961	2 147	730732	2 152	38
23	601066	3 208	643217	3 214	686696	3 221	731489	3 227	37
24	601758	4 277	643931	4 286	687432	4 294	732246	4 302	36
25	602450	5 346	644645	5 357	688168	5 368	733004	5 379	35
26	603142	6 415	645360	6 428	688904	6 442	733762	6 455	34
27	603835	7 484	646075	7 500	689641	7 515	734521	7 531	33
28	604528	8 554	646790	8 571	690379	8 589	735280	8 606	32
29	605221	9 623	647505	9 643	691117	9 662	736039	9 682	31
30	605915	+696-	648221	+718-	691855	+740-	736799	+762-	30
31	606609	1 70	648937	1 72	692593	1 74	737559	1 76	29
32	607304	2 139	649654	2 144	693332	2 148	738320	2 152	28
33	607999	3 209	650371	3 215	694071	3 222	739081	3 229	27
34	608694	4 278	651089	4 287	694810	4 296	739842	4 305	26
35	609389	5 348	651807	5 359	695550	5 370	740603	5 381	25
36	610085	6 418	652525	6 431	696290	6 444	741365	6 457	24
37	610781	7 487	653244	7 503	697031	7 518	742127	7 533	23
38	611478	8 557	653963	8 574	697772	8 592	742890	8 610	22
39	612175	9 626	654682	9 646	698513	9 666	743653	9 686	21
40	612873	+700-	655402	+722-	699255	+744-	744416	+765-	20
41	613571	1 70	656122	1 72	699997	1 74	745180	1 77	19
42	614269	2 140	656842	2 144	700739	2 149	745944	2 153	18
43	614968	3 210	657563	3 217	701482	3 223	746708	3 230	17
44	615667	4 280	658284	4 289	702225	4 298	747473	4 306	16
45	616367	5 350	659006	5 361	702968	5 372	748238	5 383	15
46	617067	6 420	659728	6 433	703712	6 446	749004	6 459	14
47	617767	7 490	660450	7 505	704456	7 521	749770	7 536	13
48	618467	8 560	661172	8 578	705200	8 595	750536	8 612	12
49	619168	9 630	661895	9 650	705945	9 670	751303	9 689	11
50	619869	+703-	662619	+725-	706691	+747-	752070	+769-	10
51	620571	1 70	663343	1 73	707437	1 75	752837	1 77	9
52	621273	2 141	664067	2 145	708183	2 149	753605	2 154	8
53	621975	3 211	664791	3 218	708929	3 224	754373	3 231	7
54	622677	4 281	665516	4 290	709676	4 299	755141	4 300	6
55	623380	5 352	666241	5 363	710423	5 374	755910	5 385	5
56	624084	6 422	666967	6 435	711171	6 448	756679	6 461	4
57	624788	7 492	667693	7 508	711919	7 523	757449	7 538	3
58	625492	8 562	668419	8 580	712667	8 598	758219	8 615	2
59	626196	9 633	669146	9 653	713415	9 672	758989	9 692	1
/	331°	Dif.	330°	Dif.	329°	Dif.	328°	Dif.	/

TABOA I.

1	32°	Dif.	33°	Dif.	34°	Dif.	35°	Dif.	1
0	759759	+773—	806647	+794—	854813	+815—	904240	+836—	60
1	760530	1 77	807439	1 79	855627	1 82	905074	1 84	59
2	761301	2 155	808232	2 159	856441	2 163	905909	2 167	58
3	762073	3 232	809025	3 238	857255	3 245	906744	3 251	57
4	762845	4 309	809818	4 318	858069	4 326	907580	4 334	56
5	763617	5 387	810612	5 397	858884	5 408	908416	5 418	55
6	764390	6 464	811406	6 476	859699	6 489	909252	6 502	54
7	765163	7 541	812201	7 556	860515	7 571	910088	7 585	53
8	765937	8 618	812996	8 635	861331	8 652	910925	8 669	52
9	766711	9 696	813791	9 715	862147	9 734	911762	9 752	51
10	767485	+776—	814587	+797—	862963	+819—	912600	+839—	50
11	768259	1 78	815383	1 80	863780	1 84	913438	1 84	49
12	769034	2 155	816179	2 159	864597	2 164	914276	2 168	48
13	769809	3 233	816975	3 239	865415	3 246	915114	3 252	47
14	770585	4 310	817772	4 319	866233	4 328	915953	4 336	46
15	771361	5 388	818569	5 399	867052	5 410	916792	5 420	45
16	772137	6 466	819367	6 478	867871	6 491	917632	6 503	44
17	772913	7 543	820165	7 558	868690	7 573	918472	7 587	43
18	773690	8 621	820963	8 638	869510	8 655	919312	8 671	42
19	774468	9 698	821762	9 717	870330	9 737	920153	9 755	41
20	775246	+780—	822561	+801—	871150	+822—	920994	+843—	40
21	776024	1 78	823361	1 80	871970	1 82	921835	1 84	39
22	776803	2 156	824161	2 160	872791	2 164	922677	2 169	38
23	777582	3 234	824961	3 240	873612	3 247	923519	3 253	37
24	778361	4 312	825761	4 320	874433	4 329	924361	4 337	36
25	779140	5 390	826562	5 401	875255	5 411	925204	5 422	35
26	779920	6 468	827363	6 481	876077	6 493	926047	6 505	34
27	780700	7 546	828165	7 561	876900	7 575	926890	7 590	33
28	781480	8 624	828967	8 641	877723	8 658	927734	8 674	32
29	782261	9 702	829769	9 721	878546	9 740	928578	9 759	31
30	783042	+783—	830571	+805—	879370	+825—	929423	+846—	30
31	783824	1 78	831374	1 81	880194	1 83	930268	1 85	29
32	784606	2 157	832178	2 161	881018	2 165	931113	2 169	28
33	785388	3 235	832982	3 242	881843	3 248	931958	3 254	27
34	786171	4 313	833786	4 322	882668	4 330	932804	4 338	26
35	786954	5 392	834590	5 403	883493	5 413	933650	5 423	25
36	787737	6 470	835395	6 483	884318	6 495	934496	6 508	24
37	788521	7 548	836200	7 564	885144	7 578	935343	7 592	23
38	789305	8 626	837005	8 644	885971	8 660	936190	8 677	22
39	790090	9 705	837811	9 725	886798	9 723	937038	9 761	21
40	790875	+787—	838617	+808—	887625	+829—	937886	+850—	20
41	791660	1 79	839423	1 81	888453	1 83	938734	1 85	19
42	792446	2 157	840230	2 162	889281	2 166	939583	2 170	18
43	793232	3 236	841037	3 242	890109	3 249	940432	3 255	17
44	794018	4 315	841845	4 323	890937	4 332	941281	4 340	16
45	794805	5 394	842653	5 404	891766	5 415	942131	5 425	15
46	795592	6 472	843461	6 485	892595	6 497	942981	6 510	14
47	796379	7 551	844269	7 566	893424	7 580	943831	7 595	13
48	797167	8 630	845078	8 646	894254	8 663	944682	8 680	12
49	797955	9 708	845887	9 727	895084	9 746	945533	9 765	11
50	798744	+790—	846697	+812—	895915	+833—	946384	+853—	10
51	799533	1 79	847507	1 81	896746	1 83	947235	1 85	9
52	800322	2 158	848317	2 162	897577	2 167	948088	2 171	8
53	801111	3 237	849128	3 244	898409	3 250	948940	3 256	7
54	801901	4 316	849939	4 325	899241	4 333	949793	4 341	6
55	802691	5 395	850750	5 406	900073	5 417	950646	5 427	5
56	803481	6 474	851562	6 487	900906	6 500	951499	6 512	4
57	804272	7 553	852374	7 568	901739	7 583	952353	7 597	3
58	805063	8 632	853187	8 650	902572	8 666	953207	8 682	2
59	805855	9 711	854000	9 731	903406	9 750	954061	9 768	1
1	327°	Dif.	326°	Dif.	325°	Dif.	324°	Dif.	1

<i>l</i>	36°	Dif.	37°	Dif.	38°	Dif.	39°	Dif.	<i>l</i>
0	954916	+856—	1006823	+877—	1059947	+897—	1114271	+917—	60
1	955771	1 86	1007699	1 88	1060842	1 90	1115186	1 92	59
2	956626	2 171	1008575	2 175	1061738	2 179	1116102	2 183	58
3	957482	3 257	1009451	3 263	1062634	3 269	1117018	3 275	57
4	958338	4 342	1010327	4 351	1063531	4 359	1117934	4 367	56
5	959194	5 428	1011203	5 439	1064428	5 449	1118850	5 459	55
6	960051	6 514	1012080	6 526	1065325	6 538	1119767	6 550	54
7	960908	7 599	1012958	7 614	1066223	7 628	1120685	7 642	53
8	961765	8 685	1013836	8 702	1067121	8 718	1121603	8 734	52
9	962623	9 770	1014714	9 789	1068019	9 807	1122521	9 825	51
10	963481	+850—	1015592	+880—	1068918	+900—	1123439	+920—	50
11	964339	1 86	1016471	1 88	1069817	1 90	1124358	1 92	49
12	965198	2 172	1017350	2 176	1070716	2 180	1125277	2 184	48
13	966057	3 258	1018230	3 264	1071616	3 270	1126196	3 276	47
14	966917	4 344	1019110	4 352	1072516	4 360	1127116	4 368	46
15	967777	5 430	1019990	5 440	1073416	5 450	1128036	5 460	45
16	968637	6 516	1020871	6 528	1074317	6 540	1128957	6 552	44
17	969497	7 602	1021752	7 616	1075218	7 630	1129878	7 644	43
18	970358	8 688	1022633	8 704	1076119	8 720	1130799	8 736	42
19	971219	9 774	1023515	9 792	1077020	9 810	1131720	9 828	41
20	972081	+863—	1024397	+884—	1077922	+904—	1132642	+923—	40
21	972943	1 86	1025279	1 88	1078824	1 90	1133564	1 92	39
22	973805	2 173	1026162	2 177	1079727	2 181	1134486	2 185	38
23	974667	3 259	1027045	3 265	1080630	3 271	1135409	3 277	37
24	975530	4 345	1027928	4 354	1081533	4 362	1136332	4 369	36
25	976393	5 432	1028811	5 442	1082437	5 452	1137255	5 462	35
26	977257	6 518	1029695	6 530	1083341	6 542	1138179	6 554	34
27	978121	7 604	1030579	7 619	1084245	7 633	1139103	7 646	33
28	978985	8 690	1031463	8 707	1085149	8 723	1140027	8 738	32
29	979850	9 777	1032348	9 796	1086054	9 814	1140952	9 831	31
30	980715	+867—	1033233	+887—	1086959	+907—	1141877	+927—	30
31	981581	1 87	1034119	1 89	1087865	1 91	1142802	1 93	29
32	982447	2 173	1035005	2 177	1088771	2 181	1143728	2 185	28
33	983313	3 260	1035891	3 266	1089677	3 272	1144654	3 278	27
34	984179	4 347	1036778	4 355	1090583	4 363	1145580	4 371	26
35	985046	5 434	1037665	5 444	1091490	5 454	1146507	5 464	25
36	985913	6 520	1038552	6 532	1092397	6 544	1147434	6 556	24
37	986780	7 607	1039439	7 621	1093305	7 635	1148361	7 649	23
38	987648	8 694	1040327	8 710	1094213	8 726	1149289	8 742	22
39	988516	9 780	1041215	9 798	1095121	9 816	1150217	9 834	21
40	989384	+870—	1042104	+890—	1096030	+910—	1151145	+930—	20
41	990252	1 87	1042993	1 89	1096939	1 91	1152073	1 93	19
42	991121	2 174	1043882	2 178	1097848	2 182	1153002	2 186	18
43	991990	3 261	1044772	3 267	1098758	3 273	1153931	3 279	17
44	992860	4 348	1045662	4 356	1099668	4 364	1154861	4 372	16
45	993730	5 435	1046552	5 445	1100578	5 455	1155791	5 465	15
46	994601	6 522	1047443	6 534	1101489	6 546	1156721	6 558	14
47	995472	7 609	1048334	7 623	1102400	7 637	1157651	7 651	13
48	996343	8 696	1049225	8 712	1103311	8 728	1158582	8 744	12
49	997215	9 783	1050117	9 801	1104222	9 819	1159513	9 837	11
50	998087	+874—	1051009	+894—	1105134	+914—	1160445	+933—	10
51	998959	1 87	1051901	1 89	1106046	1 91	1161377	1 93	9
52	999831	2 175	1052794	2 179	1106958	2 183	1162309	2 187	8
53	1000704	3 262	1053687	3 268	1107871	3 274	1163241	3 280	7
54	1001577	4 350	1054580	4 358	1108784	4 366	1164174	4 373	6
55	1002451	5 437	1055473	5 447	1109697	5 457	1165107	5 467	5
56	1003325	6 524	1056367	6 536	1110611	6 548	1166041	6 560	4
57	1004199	7 612	1057262	7 626	1111526	7 640	1166975	7 653	3
58	1005073	8 699	1058157	8 715	1112441	8 731	1167909	8 746	2
59	1005948	9 787	1059052	9 805	1113356	9 823	1168843	9 840	1
<i>l</i>	323°	Dif.	322°	Dif.	321°	Dif.	320°	Dif.	<i>l</i>

TABOA I.

i	40°	Dif.	41°	Dif.	42°	Dif.	43°	Dif.	i
0	1169778	+937-	1226452	+956-	1284276	+975-	1343232	+993-	60
1	1170713	1 94	1227406	1 96	1285249	1 98	1344224	1 99	59
2	1171648	2 187	1228361	2 191	1286223	2 195	1345216	2 199	58
3	1172584	3 281	1229316	3 287	1287197	3 293	1346209	3 298	57
4	1173520	4 375	1230271	4 382	1288171	4 390	1347202	4 397	56
5	1174456	5 469	1231226	5 478	1289146	5 488	1348196	5 498	55
6	1175393	6 562	1232182	6 574	1290121	6 585	1349190	6 596	54
7	1176330	7 656	1233139	7 669	1291096	7 683	1350184	7 695	53
8	1177267	8 750	1234096	8 765	1292072	8 780	1351178	8 794	52
9	1178205	9 843	1235053	9 860	1293048	9 878	1352172	9 894	51
10	1179143	+940-	1236010	+959-	1294024	+978-	1353167	+996-	50
11	1180081	1 94	1236968	1 96	1295000	1 98	1354162	1 100	49
12	1181020	2 188	1237926	2 192	1295977	2 196	1355157	2 199	48
13	1181959	3 282	1238884	3 288	1296954	3 293	1356153	3 299	47
14	1182898	4 376	1239843	4 384	1297932	4 391	1357149	4 398	46
15	1183837	5 470	1240802	5 480	1298910	5 489	1358145	5 498	45
16	1184777	6 564	1241761	6 575	1299888	6 587	1359142	6 598	44
17	1185717	7 658	1242720	7 671	1300866	7 685	1360139	7 697	43
18	1186658	8 752	1243679	8 767	1301845	8 782	1361136	8 797	42
19	1187599	9 846	1244639	9 863	1302824	9 880	1362134	9 896	41
20	1188540	+943-	1245600	+962-	1303803	+981-	1363132	+1000-	40
21	1189481	1 94	1246561	1 96	1304783	1 98	1364130	1 100	39
22	1190423	2 189	1247522	2 192	1305763	2 196	1365129	2 200	38
23	1191365	3 283	1248483	3 289	1306743	3 294	1366128	3 300	37
24	1192308	4 377	1249445	4 385	1307724	4 392	1367127	4 400	36
25	1193251	5 472	1250407	5 481	1308705	5 491	1368126	5 500	35
26	1194194	6 566	1251369	6 577	1309686	6 589	1369126	6 600	34
27	1195137	7 660	1252332	7 673	1310668	7 687	1370126	7 700	33
28	1196081	8 754	1253295	8 770	1311650	8 785	1371126	8 800	32
29	1197025	9 849	1254258	9 866	1312632	9 883	1372127	9 900	31
30	1197970	+946-	1255221	+965-	1313615	+984-	1373128	+1003-	30
31	1198915	1 95	1256185	1 97	1314598	1 98	1374129	1 100	29
32	1199860	2 189	1257149	2 193	1315581	2 197	1375131	2 201	28
33	1200805	3 284	1258114	3 290	1316564	3 295	1376133	3 301	27
34	1201751	4 378	1259079	4 386	1317547	4 394	1377135	4 401	26
35	1202697	5 473	1260044	5 483	1318531	5 492	1378138	5 502	25
36	1203643	6 568	1261009	6 579	1319515	6 590	1379141	6 602	24
37	1204590	7 662	1261975	7 676	1320500	7 689	1380144	7 702	23
38	1205537	8 757	1262941	8 772	1321485	8 787	1381148	8 802	22
39	1206484	9 851	1263907	9 869	1322470	9 886	1382152	9 903	21
40	1207432	+949-	1264874	+968-	1323455	+987-	1383156	+1006-	20
41	1208380	1 95	1265841	1 97	1324441	1 99	1384160	1 101	19
42	1209328	2 190	1266808	2 194	1325427	2 197	1385165	2 201	18
43	1210277	3 285	1267776	3 290	1326414	3 296	1386170	3 302	17
44	1211226	4 380	1268744	4 387	1327401	4 395	1387175	4 402	16
45	1212175	5 475	1269712	5 484	1328388	5 494	1388180	5 503	15
46	1213125	6 569	1270681	6 581	1329375	6 592	1389186	6 604	14
47	1214075	7 664	1271650	7 678	1330363	7 691	1390192	7 704	13
48	1215025	8 759	1272619	8 774	1331351	8 790	1391199	8 805	12
49	1215975	9 854	1273589	9 871	1332340	9 888	1392206	9 905	11
50	1216926	+953-	1274559	+972-	1333329	+990-	1393213	+1009-	10
51	1217877	1 95	1275530	1 97	1334318	1 99	1394221	1 101	9
52	1218828	2 191	1276501	2 194	1335307	2 198	1395229	2 202	8
53	1219780	3 286	1277472	3 292	1336296	3 297	1396237	3 303	7
54	1220732	4 381	1278443	4 389	1337286	4 396	1397245	4 404	6
55	1221684	5 477	1279414	5 486	1338276	5 495	1398254	5 505	5
56	1222637	6 572	1280386	6 583	1339267	6 594	1399263	6 605	4
57	1223590	7 667	1281358	7 680	1340258	7 693	1400272	7 706	3
58	1224544	8 762	1282330	8 778	1341249	8 792	1401282	8 807	2
59	1225498	9 858	1283303	9 875	1342240	9 891	1402292	9 908	1
i	319°	Dif.	318°	Dif.	317°	Dif.	316°	Dif.	i

<i>i</i>	44°	Dif.	45°	Dif.	46°	Dif.	47°	Dif.	<i>i</i>
0	1403302	+1012-	1464466	+1030-	1526707	+1048-	1590008	+1065-	60
1	1404312	1 101	1465495	1 103	1527753	1 105	1591072	1 107	59
2	1405323	2 202	1466524	2 206	1528800	2 210	1592136	2 213	58
3	1406334	3 304	1467553	3 309	1529847	3 314	1593201	3 320	57
4	1407345	4 405	1468582	4 412	1530894	4 419	1594266	4 426	56
5	1408357	5 506	1469612	5 515	1531942	5 524	1595331	5 533	55
6	1409369	6 607	1470642	6 618	1532990	6 629	1596396	6 639	54
7	1410381	7 708	1471672	7 721	1534038	7 734	1597462	7 746	53
8	1411394	8 810	1472703	8 824	1535087	8 838	1598528	8 852	52
9	1412407	9 911	1473734	9 927	1536136	9 943	1599594	9 959	51
10	1413420	+1015-	1474765	+1033-	1537185	+1051-	1600660	+1068-	50
11	1414433	1 102	1475797	1 103	1538234	1 105	1601726	1 107	49
12	1415447	2 203	1476829	2 207	1539284	2 210	1602793	2 214	48
13	1416461	3 305	1477861	3 310	1540334	3 315	1603860	3 320	47
14	1417476	4 406	1478893	4 413	1541384	4 420	1604928	4 427	46
15	1418491	5 508	1479926	5 517	1542434	5 526	1605996	5 534	45
16	1419506	6 609	1480959	6 620	1543485	6 631	1607064	6 641	44
17	1420521	7 711	1481992	7 723	1544536	7 736	1608133	7 748	43
18	1421537	8 812	1483026	8 826	1545588	8 841	1609202	8 854	42
19	1422553	9 914	1484060	9 930	1546640	9 946	1610271	9 961	41
20	1423569	+1018-	1485094	+1036-	1547692	+1053-	1611340	+1071-	40
21	1424585	1 102	1486129	1 104	1548744	1 105	1612409	1 107	39
22	1425602	2 204	1487164	2 207	1549797	2 211	1613479	2 214	38
23	1426619	3 305	1488199	3 311	1550850	3 316	1614549	3 321	37
24	1427637	4 407	1489235	4 414	1551903	4 421	1615620	4 428	36
25	1428655	5 509	1490271	5 518	1552956	5 527	1616691	5 536	35
26	1429673	6 611	1491307	6 622	1554009	6 632	1617762	6 643	34
27	1430691	7 713	1492343	7 725	1555063	7 737	1618833	7 750	33
28	1431710	8 814	1493380	8 829	1556117	8 842	1619905	8 857	32
29	1432729	9 916	1494417	9 932	1557172	9 948	1620977	9 964	31
30	1433748	+1021-	1495454	+1039-	1558227	+1056-	1622049	+1074-	30
31	1434767	1 102	1496492	1 104	1559282	1 106	1623122	1 107	29
32	1435787	2 204	1497530	2 208	1560338	2 211	1624195	2 215	28
33	1436807	3 306	1498568	3 312	1561394	3 317	1625268	3 322	27
34	1437828	4 408	1499606	4 416	1562450	4 422	1626341	4 430	26
35	1438849	5 511	1500644	5 520	1563506	5 528	1627414	5 537	25
36	1439870	6 613	1501683	6 623	1564563	6 634	1628488	6 644	24
37	1440891	7 715	1502722	7 727	1565620	7 739	1629562	7 752	23
38	1441913	8 817	1503762	8 831	1566677	8 845	1630637	8 859	22
39	1442935	9 919	1504802	9 935	1567734	9 950	1631712	9 967	21
40	1443957	+1024-	1505842	+1042-	1568792	+1059-	1632787	+1077-	20
41	1444980	1 102	1506883	1 104	1569850	1 106	1633862	1 108	19
42	1446003	2 205	1507924	2 208	1570908	2 212	1634937	2 215	18
43	1447026	3 307	1508965	3 313	1571967	3 318	1636013	3 323	17
44	1448049	4 410	1510006	4 417	1573026	4 424	1637089	4 431	16
45	1449073	5 512	1511048	5 521	1574085	5 530	1638166	5 539	15
46	1450097	6 614	1512090	6 625	1575145	6 635	1639243	6 646	14
47	1451121	7 717	1513132	7 729	1576205	7 741	1640320	7 754	13
48	1452146	8 819	1514175	8 834	1577265	8 847	1641397	8 862	12
49	1453171	9 922	1515218	9 938	1578325	9 953	1642475	9 969	11
50	1454196	+1027-	1516261	+1045-	1579386	+1062-	1643553	+1079-	10
51	1455222	1 103	1517304	1 105	1580447	1 106	1644631	1 108	9
52	1456248	2 205	1518348	2 209	1581508	2 212	1645709	2 216	8
53	1457274	3 308	1519392	3 314	1582570	3 319	1646788	3 324	7
54	1458300	4 411	1520436	4 418	1583632	4 425	1647867	4 432	6
55	1459327	5 514	1521481	5 523	1584694	5 531	1648946	5 540	5
56	1460354	6 616	1522526	6 627	1585756	6 637	1650026	6 647	4
57	1461382	7 719	1523571	7 732	1586819	7 743	1651106	7 755	3
58	1462410	8 822	1524616	8 836	1587882	8 850	1652186	8 863	2
59	1463438	9 924	1525661	9 941	1588945	9 956	1653266	9 971	1
<i>i</i>	315°	Dif.	314°	Dif.	313°	Dif.	312°	Dif.	<i>i</i>

<i>l</i>	48°	Dif.	49°	Dif.	50°	Dif.	51°	Dif.	<i>l</i>
0	1654347	+1082-	1719705	+1099-	1786063	+1115-	1853398	+1132-	60
1	1655428	1 108	1720803	1 110	1787177	1 112	1854528	1 113	59
2	1656509	2 216	1721901	2 220	1788292	2 223	1855659	2 226	58
3	1657591	3 325	1722999	3 330	1789407	3 335	1856790	3 340	57
4	1658673	4 433	1724098	4 440	1790522	4 446	1857922	4 453	56
5	1659755	5 541	1725197	5 550	1791637	5 558	1859054	5 566	55
6	1660838	6 649	1726296	6 659	1792753	6 669	1860186	6 679	54
7	1661921	7 757	1727396	7 769	1793869	7 781	1861318	7 792	53
8	1663004	8 866	1728496	8 879	1794985	8 892	1862450	8 906	52
9	1664087	9 974	1729596	9 989	1796101	9 1004	1863582	9 1019	51
10	1665171	+1085-	1730696	+1102-	1797218	+1118-	1864715	+1134-	50
11	1666255	1 109	1731796	1 110	1798335	1 112	1865848	1 113	49
12	1667339	2 217	1732897	2 220	1799452	2 224	1866981	2 227	48
13	1668423	3 326	1733998	3 331	1800570	3 335	1868115	3 340	47
14	1669507	4 434	1735100	4 441	1801688	4 447	1869249	4 454	46
15	1670592	5 543	1736202	5 551	1802806	5 559	1870383	5 567	45
16	1671677	6 651	1737304	6 661	1803924	6 671	1871517	6 680	44
17	1672763	7 760	1738406	7 771	1805042	7 783	1872652	7 794	43
18	1673849	8 868	1739508	8 882	1806161	8 894	1873787	8 907	42
19	1674935	9 977	1740611	9 992	1807280	9 1006	1874922	9 1021	41
20	1676021	+1088-	1741714	+1104-	1808400	+1121-	1876058	+1137-	40
21	1677108	1 109	1742818	1 110	1809520	1 112	1877194	1 114	39
22	1678195	2 218	1743922	2 221	1810640	2 224	1878330	2 227	38
23	1679282	3 326	1745026	3 331	1811760	3 336	1879466	3 341	37
24	1680370	4 435	1746130	4 442	1812880	4 448	1880602	4 455	36
25	1681458	5 544	1747234	5 552	1814001	5 561	1881739	5 569	35
26	1682546	6 653	1748339	6 662	1815122	6 673	1882876	6 682	34
27	1683634	7 762	1749444	7 773	1816244	7 785	1884013	7 796	33
28	1684723	8 870	1750549	8 883	1817366	8 897	1885150	8 910	32
29	1685812	9 979	1751654	9 994	1818488	9 1009	1886288	9 1023	31
30	1686901	+1091-	1752759	+1107-	1819610	+1123-	1887426	+1140-	30
31	1687990	1 109	1753865	1 111	1820732	1 112	1888565	1 114	29
32	1689080	2 218	1754972	2 221	1821854	2 225	1889704	2 228	28
33	1690170	3 327	1756079	3 332	1822977	3 337	1890843	3 342	27
34	1691260	4 436	1757186	4 443	1824100	4 449	1891982	4 456	26
35	1692350	5 546	1758293	5 554	1825224	5 562	1893122	5 570	25
36	1693441	6 655	1759400	6 664	1826348	6 674	1894262	6 684	24
37	1694532	7 764	1760508	7 775	1827472	7 786	1895402	7 798	23
38	1695624	8 873	1761616	8 886	1828596	8 898	1896542	8 912	22
39	1696716	9 982	1762725	9 996	1829720	9 1011	1897682	9 1026	21
40	1697808	+1093-	1763834	+1110-	1830845	+1126-	1898823	+1142-	20
41	1698900	1 109	1764943	1 111	1831970	1 113	1899964	1 114	19
42	1699992	2 219	1766052	2 222	1833096	2 225	1901105	2 228	18
43	1701085	3 328	1767161	3 333	1834222	3 338	1902246	3 343	17
44	1702178	4 437	1768271	4 444	1835348	4 450	1903388	4 457	16
45	1703271	5 547	1769381	5 555	1836474	5 563	1904530	5 571	15
46	1704365	6 656	1770491	6 666	1837600	6 676	1905673	6 685	14
47	1705459	7 765	1771601	7 777	1838727	7 788	1906816	7 799	13
48	1706553	8 874	1772712	8 888	1839854	8 901	1907959	8 914	12
49	1707648	9 984	1773823	9 999	1840981	9 1013	1909102	9 1028	11
50	1708743	+1096-	1774935	+1113-	1842108	+1129-	1910245	+1145-	10
51	1709838	1 110	1776047	1 111	1843236	1 113	1911389	1 115	9
52	1710933	2 219	1777159	2 223	1844364	2 226	1912533	2 229	8
53	1712028	3 329	1778271	3 334	1845493	3 339	1913677	3 344	7
54	1713124	4 438	1779383	4 445	1846622	4 452	1914821	4 458	6
55	1714220	5 548	1780496	5 557	1847751	5 565	1915966	5 573	5
56	1715316	6 658	1781609	6 668	1848880	6 677	1917111	6 687	4
57	1716413	7 767	1782722	7 779	1850009	7 790	1918256	7 802	3
58	1717510	8 877	1783835	8 890	1851138	8 903	1919401	8 916	2
59	1718607	9 986	1784949	9 1002	1852268	9 1016	1920546	9 1031	1
<i>l</i>	311°	Dif.	310°	Dif.	309°	Dif.	308°	Dif.	<i>l</i>

1	52°	Dif.	53°	Dif.	54°	Dif.	55°	Dif.	1
0	1921699	+1147-	1990925	+1163-	2061074	+1178-	2132118	+1193-	60
1	1922838	1 115	1992087	1 116	2062251	1 118	2133309	1 119	59
2	1923996	2 229	1993249	2 233	2063428	2 236	2134501	2 239	58
3	1925132	3 344	1994411	3 349	2064605	3 353	2135693	3 358	57
4	1926279	4 459	1995573	4 465	2065782	4 471	2136885	4 477	56
5	1927426	5 574	1996736	5 582	2066960	5 589	2138078	5 597	55
6	1928574	6 688	1997899	6 698	2068138	6 707	2139271	6 716	54
7	1929722	7 803	1999062	7 814	2069316	7 825	2140464	7 835	53
8	1930870	8 918	2000226	8 930	2070495	8 942	2141657	8 954	52
9	1932018	9 1032	2001390	9 1047	2071674	9 1060	2142851	9 1074	51
10	1933166	+1150-	2002554	+1165-	2072853	+1180-	2144045	+1195-	50
11	1934315	1 115	2003718	1 117	2074032	1 118	2145239	1 120	49
12	1935464	2 230	2004883	2 233	2075212	2 236	2146433	2 239	48
13	1936614	3 345	2006048	3 350	2076392	3 354	2147627	3 359	47
14	1937764	4 460	2007213	4 466	2077572	4 472	2148822	4 478	46
15	1938914	5 575	2008378	5 583	2078752	5 590	2150017	5 598	45
16	1940064	6 690	2009543	6 699	2079932	6 708	2151212	6 717	44
17	1941214	7 805	2010709	7 816	2081113	7 826	2152407	7 837	43
18	1942365	8 920	2011875	8 932	2082294	8 944	2153603	8 956	42
19	1943516	9 1035	2013041	9 1049	2083475	9 1062	2154799	9 1076	41
20	1944667	+1153-	2014207	+1168-	2084657	+1183-	2155995	+1197-	40
21	1945818	1 115	2015374	1 117	2085839	1 118	2157191	1 120	39
22	1946970	2 231	2016541	2 234	2087021	2 237	2158388	2 239	38
23	1948122	3 346	2017708	3 350	2088203	3 355	2159585	3 359	37
24	1949274	4 461	2018876	4 467	2089385	4 473	2160782	4 479	36
25	1950426	5 577	2020044	5 584	2090568	5 592	2161979	5 599	35
26	1951579	6 692	2021212	6 701	2091751	6 710	2163176	6 718	34
27	1952732	7 807	2022380	7 818	2092934	7 828	2164374	7 838	33
28	1953885	8 922	2023549	8 934	2094118	8 946	2165572	8 958	32
29	1955039	9 1038	2024718	9 1051	2095302	9 1065	2166770	9 1077	31
30	1956193	+1155-	2025887	+1170-	2096486	+1185-	2167968	+1200-	30
31	1957347	1 116	2027056	1 117	2097670	1 119	2169167	1 120	29
32	1958501	2 231	2028225	2 234	2098855	2 237	2170366	2 240	28
33	1959656	3 347	2029395	3 351	2100040	3 356	2171565	3 360	27
34	1960811	4 462	2030565	4 468	2101225	4 474	2172765	4 480	26
35	1961966	5 578	2031735	5 585	2102410	5 593	2173965	5 600	25
36	1963121	6 693	2032906	6 702	2103595	6 711	2175165	6 720	24
37	1964276	7 809	2034077	7 819	2104781	7 830	2176365	7 840	23
38	1965432	8 924	2035248	8 936	2105967	8 948	2177565	8 960	22
39	1966588	9 1040	2036419	9 1053	2107153	9 1067	2178766	9 1080	21
40	1967744	+1158-	2037590	+1173-	2108339	+1188-	2179967	+1202-	20
41	1968901	1 116	2038762	1 117	2109526	1 119	2181168	1 120	19
42	1970058	2 232	2039934	2 235	2110713	2 238	2182369	2 240	18
43	1971215	3 347	2041106	3 352	2111900	3 356	2183571	3 361	17
44	1972372	4 463	2042278	4 469	2113087	4 475	2184773	4 481	16
45	1973530	5 579	2043451	5 587	2114275	5 594	2185975	5 601	15
46	1974688	6 695	2044624	6 704	2115463	6 713	2187177	6 721	14
47	1975846	7 811	2045797	7 821	2116651	7 832	2188380	7 841	13
48	1977004	8 926	2046971	8 938	2117839	8 950	2189583	8 962	12
49	1978163	9 1042	2048145	9 1056	2119027	9 1069	2190786	9 1082	11
50	1979322	+1160-	2049319	+1175-	2120216	+1190-	2191989	+1205-	10
51	1980481	1 116	2050493	1 118	2121405	1 119	2193193	1 121	9
52	1981640	2 232	2051668	2 235	2122595	2 238	2194397	2 241	8
53	1982800	3 348	2052843	3 353	2123785	3 357	2195601	3 362	7
54	1983960	4 464	2054018	4 470	2124975	4 476	2196805	4 482	6
55	1985120	5 580	2055193	5 588	2126165	5 595	2198010	5 603	5
56	1986280	6 696	2056369	6 705	2127355	6 714	2199215	6 723	4
57	1987441	7 812	2057545	7 823	2128545	7 833	2200420	7 844	3
58	1988602	8 928	2058721	8 940	2129736	8 952	2201623	8 964	2
59	1989763	9 1044	2059897	9 1058	2130927	9 1071	2202830	9 1085	1
1	307°	Dif.	306°	Dif.	305°	Dif.	304°	Dif.	1

1	56°		57°		58°		59°		1				
	Dif.		Dif.		Dif.		Dif.						
0	2204035	+1207-		2276805	+1221-		2350404	+1234-		2424810	+1248-		60
1	2205241	1	121	2278025	1	122	2351637	1	123	2426057	1	125	59
2	2206447	2	241	2279245	2	244	2352871	2	247	2427304	2	250	58
3	2207654	3	362	2280465	3	366	2354105	3	370	2428551	3	374	57
4	2208861	4	483	2281686	4	488	2355339	4	494	2429798	4	499	56
5	2210068	5	604	2282907	5	611	2356573	5	617	2431046	5	624	55
6	2211275	6	724	2284128	6	733	2357808	6	740	2432294	6	749	54
7	2212482	7	845	2285349	7	855	2359043	7	864	2433542	7	874	53
8	2213690	8	965	2286571	8	977	2360278	8	987	2434790	8	998	52
9	2214898	9	1086	2287793	9	1099	2361513	9	1111	2436039	9	1123	51
10	2216106	+1209-		2289015	+1223-		2362749	+1237-		2437288	+1250-		50
11	2217314	1	121	2290237	1	123	2363985	1	124	2438537	1	125	49
12	2218523	2	242	2291459	2	245	2365221	2	247	2439786	2	250	48
13	2219732	3	363	2292682	3	367	2366457	3	371	2441035	3	375	47
14	2220941	4	484	2293905	4	489	2367694	4	495	2442285	4	500	46
15	2222150	5	605	2295128	5	612	2368931	5	619	2443535	5	625	45
16	2223359	6	725	2296351	6	734	2370168	6	742	2444785	6	750	44
17	2224568	7	846	2297575	7	856	2371405	7	866	2446035	7	875	43
18	2225778	8	967	2298799	8	978	2372642	8	990	2447286	8	1000	42
19	2226988	9	1088	2300023	9	1101	2373880	9	1113	2448537	9	1125	41
20	2228198	+1212-		2301247	+1226-		2375118	+1239-		2449788	+1252-		40
21	2229409	1	121	2302472	1	123	2376356	1	124	2451039	1	125	39
22	2230620	2	242	2303697	2	245	2377594	2	248	2452290	2	250	38
23	2231831	3	364	2304922	3	368	2378832	3	372	2453542	3	376	37
24	2233042	4	485	2306147	4	490	2380071	4	496	2454794	4	501	36
25	2234254	5	606	2307372	5	613	2381310	5	620	2456046	5	626	35
26	2235466	6	727	2308598	6	736	2382549	6	743	2457298	6	751	34
27	2236678	7	848	2309824	7	858	2383788	7	867	2458550	7	876	33
28	2237890	8	970	2311050	8	981	2385028	8	991	2459803	8	1002	32
29	2239102	9	1091	2312276	9	1103	2386268	9	1115	2461056	9	1127	31
30	2240315	+1214-		2313503	+1228-		2387508	+1241-		2462309	+1254-		30
31	2241528	1	121	2314730	1	123	2388748	1	124	2463562	1	125	29
32	2242741	2	243	2315957	2	246	2389988	2	248	2464815	2	251	28
33	2243954	3	364	2317184	3	368	2391229	3	372	2466069	3	376	27
34	2245168	4	486	2318411	4	491	2392470	4	496	2467323	4	502	26
35	2246382	5	607	2319639	5	614	2393711	5	621	2468577	5	627	25
36	2247596	6	728	2320867	6	737	2394952	6	745	2469831	6	752	24
37	2248811	7	850	2322095	7	860	2396193	7	869	2471086	7	878	23
38	2250026	8	971	2323323	8	982	2397435	8	993	2472341	8	1003	22
39	2251241	9	1093	2324552	9	1105	2398677	9	1117	2473596	9	1129	21
40	2252456	+1216-		2325781	+1230-		2399919	+1243-		2474851	+1256-		20
41	2253671	1	122	2327010	1	123	2401162	1	124	2476106	1	126	19
42	2254886	2	243	2328239	2	246	2402405	2	249	2477362	2	251	18
43	2256102	3	365	2329468	3	369	2403648	3	373	2478618	3	377	17
44	2257318	4	486	2330698	4	492	2404891	4	497	2479874	4	502	16
45	2258534	5	608	2331928	5	615	2406134	5	622	2481130	5	628	15
46	2259750	6	730	2333158	6	738	2407377	6	746	2482387	6	754	14
47	2260967	7	851	2334388	7	861	2408621	7	870	2483644	7	879	13
48	2262184	8	973	2335619	8	984	2409865	8	994	2484901	8	1005	12
49	2263401	9	1094	2336850	9	1107	2411109	9	1119	2486158	9	1130	11
50	2264618	+1219-		2338081	+1232-		2412353	+1246-		2487415	+1257-		10
51	2265836	1	122	2339312	1	123	2413598	1	125	2488672	1	126	9
52	2267054	2	244	2340543	2	246	2414843	2	249	2489930	2	251	8
53	2268272	3	366	2341775	3	370	2416088	3	374	2491188	3	377	7
54	2269490	4	488	2343007	4	493	2417333	4	498	2492446	4	503	6
55	2270709	5	610	2344239	5	616	2418578	5	623	2493704	5	629	5
56	2271928	6	731	2345472	6	739	2419824	6	748	2494963	6	754	4
57	2273147	7	853	2346705	7	862	2421070	7	872	2496222	7	880	3
58	2274366	8	975	2347938	8	986	2422316	8	997	2497481	8	1006	2
59	2275585	9	1097	2349171	9	1109	2423563	9	1121	2498740	9	1131	1
v	303°	Dif.		302°	Dif.		301°	Dif.		300°	Dif.		v

<i>l</i>	60°	Dif.	61°	Dif.	62°	Dif.	63°	Dif.	<i>l</i>
0	2500000	+1261-	2575952	+1273-	2652642	+1285-	2730047	+1297-	60
1	2501260	1 126	2577224	1 127	2653926	1 129	2731343	1 130	59
2	2502520	2 252	2578496	2 255	2655210	2 257	2732639	2 259	58
3	2503780	3 378	2579769	3 382	2656495	3 386	2733936	3 389	57
4	2505040	4 504	2581042	4 509	2657780	4 514	2735233	4 519	56
5	2506300	5 631	2582315	5 637	2659065	5 643	2736530	5 649	55
6	2507561	6 757	2583588	6 764	2660350	6 771	2737827	6 778	54
7	2508822	7 883	2584861	7 891	2661636	7 900	2739124	7 908	53
8	2510083	8 1009	2586135	8 1018	2662922	8 1028	2740421	8 1038	52
9	2511345	9 1135	2587409	9 1146	2664208	9 1157	2741718	9 1167	51
10	2512607	+1263-	2588683	+1275-	2665494	+1287-	2743016	+1299-	50
11	2513869	1 126	2589957	1 128	2666780	1 129	2744314	1 130	49
12	2515131	2 253	2591231	2 255	2668066	2 257	2745612	2 260	48
13	2516393	3 379	2592506	3 383	2669353	3 386	2746910	3 390	47
14	2517655	4 505	2593781	4 510	2670640	4 515	2748209	4 520	46
15	2518918	5 632	2595056	5 638	2671927	5 644	2749508	5 650	45
16	2520181	6 758	2596331	6 765	2673214	6 772	2750807	6 779	44
17	2521444	7 884	2597607	7 893	2674501	7 901	2752106	7 909	43
18	2522707	8 1010	2598883	8 1020	2675789	8 1030	2753405	8 1039	42
19	2523970	9 1137	2600159	9 1148	2677077	9 1158	2754704	9 1169	41
20	2525234	+1265-	2601435	+1277-	2678365	+1289-	2756004	+1301-	40
21	2526498	1 127	2602711	1 128	2679653	1 129	2757304	1 130	39
22	2527762	2 253	2603987	2 255	2680941	2 258	2758604	2 260	38
23	2529026	3 380	2605264	3 383	2682230	3 387	2759904	3 390	37
24	2530291	4 506	2606541	4 511	2683519	4 516	2761204	4 520	36
25	2531556	5 632	2607818	5 639	2684808	5 645	2762505	5 651	35
26	2532821	6 759	2609095	6 766	2686097	6 773	2763806	6 781	34
27	2534086	7 886	2610372	7 894	2687387	7 902	2765107	7 911	33
28	2535351	8 1012	2611650	8 1022	2688677	8 1031	2766408	8 1041	32
29	2536616	9 1139	2612928	9 1149	2689967	9 1160	2767709	9 1171	31
30	2537882	+1267-	2614206	+1279-	2691257	+1291-	2769011	+1303-	30
31	2539148	1 127	2615484	1 128	2692547	1 129	2770313	1 130	29
32	2540414	2 253	2616762	2 256	2693837	2 258	2771615	2 261	28
33	2541680	3 380	2618041	3 384	2695128	3 387	2772917	3 391	27
34	2542947	4 507	2619320	4 512	2696419	4 516	2774219	4 521	26
35	2544214	5 634	2620599	5 640	2697710	5 646	2775521	5 652	25
36	2545481	6 760	2621878	6 767	2699001	6 775	2776824	6 782	24
37	2546748	7 887	2623158	7 895	2700292	7 904	2778127	7 912	23
38	2548015	8 1014	2624438	8 1023	2701584	8 1033	2779430	8 1042	22
39	2549283	9 1140	2625718	9 1151	2702876	9 1162	2780733	9 1173	21
40	2550551	+1269-	2626998	+1281-	2704168	+1293-	2782037	+1304-	20
41	2551819	1 127	2628278	1 128	2705460	1 129	2783341	1 130	19
42	2553087	2 254	2629558	2 256	2706752	2 259	2784645	2 261	18
43	2554355	3 381	2630839	3 384	2708044	3 388	2785949	3 391	17
44	2555624	4 508	2632120	4 512	2709337	4 517	2787253	4 522	16
45	2556893	5 635	2633401	5 641	2710630	5 647	2788557	5 652	15
46	2558162	6 761	2634682	6 769	2711923	6 776	2789861	6 782	14
47	2559431	7 888	2635964	7 897	2713216	7 905	2791166	7 913	13
48	2560701	8 1015	2637246	8 1025	2714509	8 1034	2792471	8 1043	12
49	2561971	9 1142	2638528	9 1153	2715803	9 1164	2793776	9 1174	11
50	2563241	+1271-	2639810	+1283-	2717097	+1295-	2795081	+1306-	10
51	2564511	1 127	2641092	1 128	2718391	1 130	2796386	1 131	9
52	2565781	2 254	2642375	2 257	2719685	2 259	2797692	2 261	8
53	2567052	3 381	2643658	3 385	2720980	3 389	2798998	3 392	7
54	2568323	4 508	2644941	4 513	2722275	4 518	2800304	4 522	6
55	2569594	5 636	2646224	5 642	2723570	5 648	2801610	5 653	5
56	2570865	6 763	2647507	6 770	2724865	6 777	2802916	6 784	4
57	2572136	7 890	2648790	7 898	2726160	7 907	2804223	7 914	3
58	2573408	8 1017	2650074	8 1026	2727455	8 1036	2805530	8 1045	2
59	2574680	9 1144	2651358	9 1155	2728751	9 1166	2806837	9 1175	1
<i>l</i>	299°	Dif.	298°	Dif.	297°	Dif.	296°	Dif.	<i>l</i>

TABOA I.

/	64°	Dif.	65°	Dif.	66°	Dif.	67°	Dif.	/
0	2808144	+1308-	2886909	+1319-	2966316	+1330-	3046344	+1340-	60
1	2809451		2888227		2967645		3047683		59
2	2810759	1 131	2889545	1 132	2968974	1 133	3049022	1 134	58
3	2812067	2 262	2890864	2 264	2970303	2 266	3050361	2 268	57
4	2813375	3 392	2892183	3 396	2971632	3 399	3051700	3 402	56
		4 523		4 528		4 532		4 536	
5	2814683	5 654	2893502	5 660	2972962	5 665	3053040	5 670	55
6	2815991	6 785	2894821	6 791	2974292	6 798	3054380	6 804	54
7	2817300	7 916	2896140	7 923	2975622	7 931	3055720	7 938	53
8	2818609	8 1046	2897459	8 1055	2976952	8 1064	3057060	8 1072	52
9	2819918	9 1177	2898779	9 1187	2978282	9 1197	3058400	9 1206	51
10	2821227	+1310-	2900099	+1321-	2979612	+1331-	3059740	+1341-	50
11	2822536		2901419		2980942		3061081		49
12	2823845	1 131	2902739	1 132	2982273	1 133	3062422	1 134	48
13	2825154	2 262	2904059	2 264	2983604	2 266	3063763	2 268	47
14	2826464	3 393	2905380	3 396	2984935	3 399	3065104	3 402	46
		4 524		4 528		4 532		4 536	
15	2827774	5 655	2906701	5 661	2986266	5 666	3066445	5 671	45
16	2829084	6 786	2908022	6 793	2987597	6 799	3067786	6 805	44
17	2830394	7 917	2909343	7 925	2988929	7 932	3069128	7 939	43
18	2831704	8 1048	2910664	8 1057	2990261	8 1065	3070470	8 1073	42
19	2833015	9 1179	2911985	9 1189	2991593	9 1198	3071812	9 1207	41
20	2834326	+1312-	2913308	+1322-	2992925	+1333-	3073154	+1343-	40
21	2835637		2914630		2994257		3074496		39
22	2836948	1 131	2915952	1 132	2995589	1 133	3075838	1 134	38
23	2838260	2 262	2917274	2 264	2996922	2 267	3077181	2 269	37
24	2839572	3 394	2918596	3 397	2998255	3 400	3078524	3 403	36
		4 525		4 529		4 533		4 537	
25	2840884	5 656	2919918	5 661	2999588	5 657	3079867	5 672	35
26	2842196	6 787	2921241	6 793	3000921	6 800	3081210	6 806	34
27	2843508	7 918	2922564	7 925	3002254	7 933	3082553	7 940	33
28	2844820	8 1050	2923887	8 1058	3003587	8 1066	3083896	8 1074	32
29	2846132	9 1181	2925210	9 1190	3004921	9 1200	3085239	9 1209	31
30	2847445	+1314-	2926533	+1324-	3006255	+1334-	3086583	+1344-	30
31	2848758		2927857		3007589		3087927		29
32	2850071	1 131	2929181	1 132	3008923	1 133	3089271	1 134	28
33	2851384	2 263	2930505	2 265	3010257	2 267	3090615	2 269	27
34	2852697	3 394	2931829	3 397	3011591	3 400	3091959	3 403	26
		4 526		4 530		4 534		4 538	
35	2854011	5 657	2933153	5 662	3012925	5 667	3093303	5 672	25
36	2855325	6 788	2934478	6 794	3014260	6 800	3094648	6 806	24
37	2856639	7 920	2935803	7 927	3015595	7 934	3095993	7 941	23
38	2857953	8 1051	2937128	8 1059	3016930	8 1067	3097338	8 1075	22
39	2859267	9 1183	2938453	9 1192	3018265	9 1201	3098683	9 1210	21
40	2860581	+1315-	2939778	+1326-	3019600	+1336-	3100028	+1346-	20
41	2861896		2941103		3020936		3101373		19
42	2863211	1 132	2942428	1 133	3022272	1 134	3102718	1 135	18
43	2864526	2 263	2943754	2 265	3023608	2 267	3104064	2 269	17
44	2865841	3 395	2945080	3 398	3024944	3 401	3105410	3 404	16
		4 526		4 530		4 534		4 538	
45	2867156	5 658	2946406	5 663	3026280	5 668	3106756	5 673	15
46	2868471	6 789	2947732	6 796	3027616	6 802	3108102	6 808	14
47	2869787	7 921	2949058	7 928	3028953	7 935	3109448	7 942	13
48	2871103	8 1052	2950384	8 1061	3030290	8 1069	3110795	8 1077	12
49	2872419	9 1184	2951711	9 1193	3031627	9 1202	3112142	9 1211	11
50	2873735	+1317-	2953038	+1328-	3032964	+1338-	3113489	+1348-	10
51	2875052		2954365		3034301		3114836		9
52	2876369	1 132	2955692	1 133	3035638	1 134	3116183	1 135	8
53	2877686	2 263	2957019	2 266	3036976	2 268	3117530	2 270	7
54	2879003	3 395	2958347	3 398	3038314	3 401	3118878	3 404	6
		4 527		4 531		4 535		4 539	
55	2880320	5 659	2959675	5 664	3039652	5 669	3120226	5 674	5
56	2881637	6 790	2961003	6 797	3040990	6 803	3121574	6 809	4
57	2882955	7 922	2962331	7 930	3042328	7 937	3122922	7 944	3
58	2884273	8 1054	2963659	8 1062	3043666	8 1070	3124270	8 1078	2
59	2885591	9 1185	2964987	9 1195	3045005	9 1204	3125618	9 1213	1
/	295°	Dif.	294°	Dif.	293°	Dif.	292°	Dif.	/

<i>l</i>	68°	Dif.	69°	Dif.	70°	Dif.	71°	Dif.	<i>l</i>
0	3126966	+1349-	3208160	+1359-	3289899	+1367-	3372159	+1376-	60
1	3128315	1 135	3209518	1 136	3291266	1 137	3373534	1 138	59
2	3129664	2 270	3210876	2 272	3292633	2 273	3374909	2 275	58
3	3131013	3 405	3212234	3 408	3294000	3 410	3376285	3 413	57
4	3132362	4 540	3213592	4 544	3295367	4 547	3377661	4 550	56
5	3133711	5 675	3214951	5 680	3296734	5 684	3379037	5 688	55
6	3135060	6 809	3216310	6 815	3298101	6 820	3380413	6 826	54
7	3136410	7 944	3217669	7 951	3299469	7 957	3381789	7 963	53
8	3137760	8 1079	3219028	8 1087	3300837	8 1094	3383165	8 1101	52
9	3139110	9 1214	3220387	9 1223	3302205	9 1230	3384541	9 1238	51
10	3140460	+1351-	3221746	+1360-	3303573	+1359-	3385918	+1377-	50
11	3141810	1 135	3223105	1 136	3304941	1 137	3387295	1 138	49
12	3143160	2 270	3224464	2 272	3306309	2 274	3388672	2 275	48
13	3144510	3 405	3225824	3 408	3307678	3 411	3390049	3 413	47
14	3145861	4 540	3227184	4 544	3309047	4 548	3391426	4 551	46
15	3147212	5 675	3228544	5 680	3310416	5 685	3392803	5 689	45
16	3148563	6 811	3229904	6 816	3311785	6 821	3394180	6 826	44
17	3149914	7 946	3231264	7 952	3313154	7 958	3395557	7 964	43
18	3151265	8 1081	3232625	8 1088	3314523	8 1095	3396934	8 1102	42
19	3152617	9 1216	3233986	9 1224	3315892	9 1232	3398312	9 1239	41
20	3153969	+1352-	3235347	+1362-	3317262	+1370-	3399690	+1379-	40
21	3155321	1 135	3236708	1 136	3318632	1 137	3401068	1 138	39
22	3156673	2 270	3238069	2 272	3320002	2 274	3402446	2 276	38
23	3158025	3 406	3239430	3 409	3321372	3 411	3403824	3 414	37
24	3159377	4 541	3240791	4 545	3322742	4 548	3405202	4 552	36
25	3160729	5 676	3242153	5 681	3324112	5 685	3406581	5 690	35
26	3162081	6 811	3243515	6 817	3325482	6 822	3407960	6 827	34
27	3163434	7 946	3244877	7 953	3326853	7 959	3409339	7 965	33
28	3164787	8 1082	3246239	8 1090	3328224	8 1096	3410718	8 1103	32
29	3166140	9 1217	3247601	9 1226	3329595	9 1233	3412097	9 1241	31
30	3167493	+1354-	3248963	+1363-	3330966	+1372-	3413476	+1380-	30
31	3168846	1 135	3250325	1 136	3332337	1 137	3414855	1 138	29
32	3170199	2 271	3251687	2 273	3333708	2 274	3416235	2 276	28
33	3171553	3 406	3253050	3 409	3335079	3 412	3417615	3 414	27
34	3172907	4 542	3254413	4 545	3336450	4 549	3418995	4 552	26
35	3174261	5 677	3255776	5 682	3337822	5 686	3420375	5 690	25
36	3175615	6 812	3257139	6 818	3339194	6 823	3421755	6 828	24
37	3176969	7 948	3258502	7 954	3340566	7 960	3423135	7 966	23
38	3178323	8 1083	3259865	8 1090	3341938	8 1098	3424515	8 1104	22
39	3179678	9 1219	3261229	9 1227	3343310	9 1235	3425895	9 1242	21
40	3181033	+1356-	3262593	+1364-	3344682	+1373-	3427276	+1381-	20
41	3182388	1 136	3263957	1 136	3346055	1 137	3428657	1 138	19
42	3183743	2 271	3265321	2 273	3347428	2 275	3430038	2 276	18
43	3185098	3 407	3266685	3 409	3348801	3 412	3431419	3 414	17
44	3186453	4 542	3268049	4 546	3350174	4 549	3432800	4 552	16
45	3187809	5 678	3269413	5 682	3351547	5 687	3434181	5 691	15
46	3189165	6 814	3270778	6 818	3352920	6 824	3435562	6 829	14
47	3190521	7 949	3272143	7 955	3354293	7 961	3436943	7 967	13
48	3191877	8 1085	3273508	8 1091	3355666	8 1098	3438325	8 1105	12
49	3193233	9 1220	3274873	9 1228	3357040	9 1236	3439707	9 1243	11
50	3194589	+1357-	3276238	+1366-	3358414	+1374-	3441089	+1383-	10
51	3195945	1 136	3277603	1 137	3359788	1 137	3442471	1 138	9
52	3197302	2 271	3278969	2 273	3361162	2 275	3443853	2 277	8
53	3198659	3 407	3280335	3 410	3362536	3 412	3445235	3 415	7
54	3200016	4 543	3281701	4 546	3363910	4 550	3446617	4 553	6
55	3201373	5 679	3283067	5 683	3365284	5 687	3448000	5 692	5
56	3202730	6 814	3284433	6 820	3366659	6 824	3449383	6 830	4
57	3204087	7 950	3285799	7 956	3368034	7 962	3450766	7 968	3
58	3205444	8 1086	3287165	8 1093	3369409	8 1099	3452149	8 1106	2
59	3206802	9 1221	3288532	9 1229	3370784	9 1237	3453532	9 1245	1
<i>l</i>	291°	Dif.	290°	Dif.	289°	Dif.	288°	Dif.	<i>l</i>

1	72°	Dif.	73°	Dif.	74°	Dif.	75°	Dif.	7
0	3454915	+1384-	3538141	+1391-	3621813	+1399-	3705905	+1405-	60
1	3456298	1 138	3539532	1 139	3623211	1 140	3707310	1 141	59
2	3457681	2 277	3540923	2 278	3624609	2 280	3708715	2 281	58
3	3459065	3 415	3542314	3 417	3626007	3 420	3710120	3 422	57
4	3460449	4 554	3543705	4 556	3627406	4 560	3711525	4 562	56
5	3461833	5 692	3545096	5 696	3628805	5 700	3712930	5 703	55
6	3463217	6 830	3546488	6 835	3630204	6 839	3714335	6 843	54
7	3464601	7 969	3547880	7 974	3631603	7 979	3715741	7 984	53
8	3465985	8 1107	3549272	8 1113	3633002	8 1119	3717147	8 1124	52
9	3467369	9 1246	3550664	9 1252	3634401	9 1259	3718553	9 1265	51
10	3468753	+1385-	3552056	+1393-	3635800	+1400-	3719959	+1406-	50
11	3470138	1 139	3553448	1 139	3637199	1 140	3721365	1 141	49
12	3471523	2 277	3554840	2 279	3638598	2 280	3722771	2 281	48
13	3472908	3 416	3556232	3 418	3639998	3 420	3724177	3 422	47
14	3474293	4 554	3557625	4 557	3641398	4 560	3725583	4 562	46
15	3475678	5 693	3559018	5 697	3642798	5 700	3726989	5 703	45
16	3477063	6 831	3560411	6 836	3644198	6 840	3728396	6 844	44
17	3478448	7 970	3561804	7 975	3645598	7 980	3729803	7 984	43
18	3479834	8 1108	3563197	8 1114	3646998	8 1120	3731210	8 1125	42
19	3481220	9 1247	3564590	9 1254	3648398	9 1260	3732617	9 1265	41
20	3482606	+1386-	3565983	+1394-	3649798	+1401-	3734024	+1408-	40
21	3483992	1 139	3567376	1 139	3651198	1 140	3735431	1 141	39
22	3485378	2 277	3568770	2 279	3652599	2 280	3736838	2 282	38
23	3486764	3 416	3570164	3 418	3654000	3 420	3738245	3 422	37
24	3488150	4 554	3571558	4 558	3655401	4 560	3739652	4 563	36
25	3489536	5 693	3572952	5 697	3656802	5 701	3741060	5 704	35
26	3490923	6 832	3574346	6 836	3658203	6 841	3742468	6 845	34
27	3492310	7 970	3575740	7 976	3659604	7 981	3743876	7 986	33
28	3493697	8 1109	3577134	8 1115	3661005	8 1121	3745284	8 1126	32
29	3495084	9 1247	3578528	9 1255	3662406	9 1261	3746692	9 1267	31
30	3496471	+1388-	3579923	+1395-	3663808	+1402-	3748100	+1409-	30
31	3497858	1 139	3581318	1 140	3665210	1 140	3749508	1 141	29
32	3499245	2 278	3582713	2 279	3666612	2 280	3750916	2 282	28
33	3500632	3 416	3584108	3 419	3668014	3 421	3752324	3 423	27
34	3502020	4 555	3585503	4 558	3669416	4 561	3753732	4 564	26
35	3503408	5 694	3586898	5 698	3670818	5 701	3755141	5 705	25
36	3504796	6 833	3588293	6 837	3672220	6 841	3756550	6 845	24
37	3506184	7 972	3589688	7 977	3673622	7 981	3757959	7 986	23
38	3507572	8 1110	3591083	8 1116	3675024	8 1122	3759368	8 1127	22
39	3508960	9 1249	3592479	9 1256	3676426	9 1262	3760777	9 1268	21
40	3510348	+1389-	3593875	+1396-	3677829	+1403-	3762186	+1410-	20
41	3511736	1 139	3595271	1 140	3679232	1 140	3763595	1 141	19
42	3513125	2 278	3596667	2 279	3680635	2 281	3765004	2 282	18
43	3514514	3 417	3598063	3 419	3682038	3 421	3766413	3 423	17
44	3515903	4 556	3599459	4 558	3683441	4 561	3767823	4 564	16
45	3517292	5 695	3600855	5 698	3684844	5 702	3769233	5 705	15
46	3518681	6 833	3602251	6 838	3686247	6 842	3770643	6 846	14
47	3520070	7 972	3603647	7 977	3687650	7 982	3772053	7 987	13
48	3521459	8 1111	3605044	8 1117	3689053	8 1122	3773463	8 1128	12
49	3522848	9 1250	3606441	9 1256	3690457	9 1263	3774873	9 1269	11
50	3524238	+1390-	3607838	+1397-	3691861	+1404-	3776283	+1411-	10
51	3525628	1 139	3609235	1 140	3693265	1 140	3777693	1 141	9
52	3527018	2 278	3610632	2 279	3694669	2 281	3779103	2 282	8
53	3528408	3 417	3612029	3 419	3696073	3 421	3780513	3 423	7
54	3529798	4 556	3613426	4 559	3697477	4 562	3781924	4 564	6
55	3531188	5 695	3614823	5 699	3698881	5 702	3783335	5 706	5
56	3532578	6 834	3616221	6 838	3700285	6 842	3784746	6 847	4
57	3533968	7 973	3617619	7 978	3701690	7 983	3786157	7 988	3
58	3535359	8 1112	3619017	8 1118	3703095	8 1123	3787568	8 1129	2
59	3536750	9 1251	3620415	9 1257	3704500	9 1264	3788979	9 1270	1
1	287°	Dif.	286°	Dif.	285°	Dif.	284°	Dif.	1

<i>l</i>	76°	Dif.	77°	Dif.	78°	Dif.	79°	Dif.	<i>l</i>
0	3790390	+1412-	3875244	+1418-	3960440	+1423-	4045955	+1428-	60
1	3791801	1 141	3876661	1 142	3961863	1 142	4047383	1 143	59
2	3793212	2 282	3878078	2 284	3963286	2 285	4048811	2 286	58
3	3794623	3 424	3879495	3 425	3964709	3 427	4050239	3 428	57
4	3796035	4 565	3880913	4 567	3966132	4 569	4051667	4 571	56
5	3797447	5 706	3882331	5 709	3967555	5 712	4053095	5 714	55
6	3798859	6 847	3883749	6 851	3968978	6 854	4054523	6 857	54
7	3800271	7 988	3885167	7 993	3970401	7 996	4055951	7 1000	53
8	3801683	8 1130	3886585	8 1134	3971824	8 1138	4057379	8 1142	52
9	3803095	9 1271	3888003	9 1276	3973247	9 1281	4058807	9 1285	51
10	3804507	+1413-	3889421	+1419-	3974671	+1424-	4060235	+1429-	50
11	3805919	1 141	3890839	1 142	3976095	1 142	4061664	1 143	49
12	3807331	2 283	3892257	2 284	3977519	2 285	4063093	2 286	48
13	3808743	3 424	3893675	3 426	3978943	3 427	4064522	3 429	47
14	3810156	4 565	3895093	4 568	3980367	4 570	4065951	4 572	46
15	3811569	5 707	3896512	5 710	3981791	5 712	4067380	5 715	45
16	3812982	6 848	3897931	6 851	3983215	6 854	4068809	6 857	44
17	3814395	7 989	3899350	7 993	3984639	7 997	4070238	7 1000	43
18	3815808	8 1130	3900769	8 1135	3986063	8 1139	4071667	8 1143	42
19	3817221	9 1272	3902188	9 1277	3987487	9 1282	4073096	9 1286	41
20	3818634	+1414-	3903607	+1419-	3988911	+1425-	4074525	+1430-	40
21	3820047	1 141	3905026	1 142	3990335	1 143	4075954	1 143	39
22	3821460	2 283	3906445	2 284	3991760	2 285	4077383	2 286	38
23	3822874	3 424	3907864	3 426	3993185	3 428	4078812	3 429	37
24	3824288	4 566	3909283	4 568	3994610	4 570	4080242	4 572	36
25	3825702	5 707	3910702	5 710	3996035	5 713	4081672	5 715	35
26	3827116	6 848	3912122	6 851	3997460	6 855	4083102	6 858	34
27	3828530	7 990	3913542	7 993	3998885	7 998	4084532	7 1001	33
28	3829944	8 1131	3914962	8 1135	4000310	8 1140	4085962	8 1144	32
29	3831358	9 1273	3916382	9 1277	4001735	9 1283	4087392	9 1287	31
30	3832772	+1415-	3917802	+1420-	4003160	+1426-	4088822	+1430-	30
31	3834186	1 142	3919222	1 142	4004585	1 143	4090252	1 143	29
32	3835600	2 283	3920642	2 284	4006010	2 285	4091682	2 286	28
33	3837015	3 425	3922062	3 426	4007435	3 428	4093112	3 429	27
34	3838430	4 566	3923482	4 568	4008861	4 570	4094542	4 572	26
35	3839845	5 708	3924902	5 710	4010287	5 713	4095972	5 715	25
36	3841260	6 849	3926322	6 852	4011713	6 856	4097403	6 858	24
37	3842675	7 991	3927742	7 994	4013139	7 998	4098834	7 1001	23
38	3844090	8 1132	3929163	8 1136	4014565	8 1141	4100265	8 1144	22
39	3845505	9 1274	3930584	9 1278	4015991	9 1283	4101696	9 1287	21
40	3846920	+1416-	3932005	+1421-	4017417	+1426-	4103127	+1431-	20
41	3848335	1 142	3933426	1 142	4018843	1 143	4104558	1 143	19
42	3849750	2 283	3934847	2 284	4020269	2 285	4105989	2 286	18
43	3851165	3 425	3936268	3 426	4021695	3 428	4107420	3 429	17
44	3852581	4 566	3937689	4 568	4023121	4 570	4108851	4 572	16
45	3853997	5 708	3939110	5 711	4024547	5 713	4110282	5 716	15
46	3855413	6 850	3940531	6 853	4025974	6 856	4111713	6 859	14
47	3856829	7 991	3941953	7 995	4027401	7 998	4113144	7 1002	13
48	3858245	8 1133	3943375	8 1137	4028828	8 1141	4114575	8 1145	12
49	3859661	9 1274	3944797	9 1279	4030255	9 1283	4116007	9 1288	11
50	3861077	+1417-	3946219	+1422-	4031682	+1427-	4117439	+1432-	10
51	3862493	1 142	3947641	1 142	4033109	1 143	4118871	1 143	9
52	3863909	2 283	3949063	2 284	4034536	2 285	4120303	2 286	8
53	3865325	3 425	3950485	3 427	4035963	3 428	4121735	3 430	7
54	3866742	4 567	3951907	4 569	4037390	4 571	4123167	4 573	6
55	3868159	5 709	3953329	5 711	4038817	5 714	4124599	5 716	5
56	3869576	6 850	3954751	6 853	4040244	6 856	4126031	6 859	4
57	3870993	7 992	3956173	7 995	4041671	7 999	4127463	7 1002	3
58	3872410	8 1134	3957595	8 1138	4043099	8 1142	4128895	8 1146	2
59	3873827	9 1275	3959017	9 1280	4044527	9 1284	4130327	9 1289	1
<i>l</i>	283°	Dif.	282°	Dif.	281°	Dif.	280°	Dif.	<i>l</i>

/	80°	Dif.	81°	Dif.	82°	Dif.	83°	Dif.	/
0	4131759	+1433-	4217827	+1437-	4304134	+1441-	4390653	+1444-	60
1	4133191	1 143	4219264	1 144	4305574	1 144	4392097	1 144	59
2	4134623	2 287	4220701	2 287	4307014	2 288	4393540	2 289	58
3	4136056	3 430	4222138	3 431	4308455	3 432	4394984	3 433	57
4	4137489	4 573	4223575	4 575	4309896	4 576	4396428	4 578	56
5	4138922	5 717	4225011	5 719	4311337	5 721	4397872	5 722	55
6	4140355	6 860	4226448	6 862	4312777	6 865	4399316	6 866	54
7	4141788	7 1003	4227885	7 1006	4314218	7 1009	4400760	7 1011	53
8	4143220	8 1146	4229322	8 1150	4315659	8 1153	4402204	8 1155	52
9	4144653	9 1290	4230759	9 1293	4317100	9 1297	4403648	9 1300	51
10	4146086	+1433-	4232196	+1438-	4318541	+1441-	4405092	+1444-	50
11	4147519	1 143	4233633	1 144	4319982	1 144	4406536	1 144	49
12	4148952	2 287	4235070	2 288	4321422	2 288	4407980	2 289	48
13	4150385	3 430	4236507	3 431	4322863	3 432	4409424	3 433	47
14	4151818	4 573	4237945	4 575	4324304	4 576	4410869	4 578	46
15	4153252	5 717	4239383	5 719	4325745	5 721	4412313	5 722	45
16	4154686	6 860	4240820	6 863	4327187	6 865	4413757	6 866	44
17	4156120	7 1003	4242258	7 1007	4328628	7 1009	4415202	7 1011	43
18	4157553	8 1146	4243696	8 1150	4330069	8 1153	4416646	8 1155	42
19	4158987	9 1290	4245134	9 1294	4331511	9 1297	4418090	9 1300	41
20	4160421	+1434-	4246572	+1438-	4332952	+1442-	4419535	+1445-	40
21	4161855	1 143	4248009	1 144	4334394	1 144	4420980	1 145	39
22	4163289	2 287	4249447	2 288	4335835	2 288	4422425	2 289	38
23	4164723	3 430	4250885	3 431	4337277	3 433	4423870	3 434	37
24	4166157	4 574	4252323	4 575	4338718	4 577	4425314	4 578	36
25	4167591	5 717	4253761	5 719	4340160	5 721	4426759	5 723	35
26	4169025	6 860	4255199	6 863	4341602	6 865	4428204	6 867	34
27	4170459	7 1004	4256637	7 1007	4343043	7 1009	4429649	7 1012	33
28	4171893	8 1147	4258075	8 1150	4344485	8 1154	4431094	8 1156	32
29	4173327	9 1291	4259514	9 1294	4345927	9 1298	4432539	9 1301	31
30	4174761	+1435-	4260953	+1439-	4347369	+1442-	4433984	+1445-	30
31	4176196	1 144	4262391	1 144	4348811	1 144	4435429	1 145	29
32	4177631	2 287	4263830	2 288	4350253	2 288	4436874	2 289	28
33	4179066	3 431	4265268	3 432	4351695	3 433	4438319	3 434	27
34	4180500	4 574	4266707	4 576	4353137	4 577	4439765	4 578	26
35	4181935	5 718	4268146	5 720	4354579	5 721	4441210	5 723	25
36	4183370	6 861	4269585	6 863	4356022	6 865	4442655	6 867	24
37	4184805	7 1005	4271024	7 1007	4357464	7 1009	4444101	7 1012	23
38	4186240	8 1148	4272463	8 1151	4358907	8 1154	4445546	8 1156	22
39	4187675	9 1292	4273902	9 1295	4360349	9 1298	4446992	9 1301	21
40	4189110	+1435-	4275341	+1439-	4361792	+1443-	4448437	+1446-	20
41	4190545	1 144	4276780	1 144	4363234	1 144	4449883	1 145	19
42	4191980	2 287	4278219	2 288	4364677	2 289	4451328	2 289	18
43	4193415	3 431	4279658	3 432	4366120	3 433	4452774	3 434	17
44	4194850	4 574	4281097	4 576	4367563	4 577	4454219	4 578	16
45	4196286	5 718	4282536	5 720	4369005	5 722	4455665	5 723	15
46	4197722	6 861	4283976	6 863	4370448	6 866	4457111	6 868	14
47	4199158	7 1005	4285416	7 1007	4371891	7 1010	4458557	7 1012	13
48	4200594	8 1148	4286856	8 1151	4373334	8 1154	4460003	8 1157	12
49	4202029	9 1292	4288295	9 1295	4374777	9 1299	4461449	9 1301	11
50	4203465	+1436-	4289735	+1440-	4376220	+1443-	4462895	+1446-	10
51	4204901	1 144	4291174	1 144	4377663	1 144	4464341	1 145	9
52	4206337	2 287	4292614	2 288	4379106	2 289	4465787	2 289	8
53	4207773	3 431	4294054	3 432	4380549	3 433	4467233	3 434	7
54	4209209	4 574	4295494	4 576	4381993	4 577	4468679	4 578	6
55	4210645	5 718	4296934	5 720	4383436	5 722	4470126	5 723	5
56	4212081	6 862	4298374	6 864	4384880	6 866	4471572	6 868	4
57	4213517	7 1005	4299814	7 1008	4386323	7 1010	4473018	7 1012	3
58	4214953	8 1149	4301254	8 1152	4387766	8 1154	4474465	8 1157	2
59	4216390	9 1292	4302694	9 1296	4389210	9 1299	4475911	9 1301	1
/	279°	Dif.	278°	Dif.	277°	Dif.	276°	Dif.	/

/	84°	Dif.	85°	Dif.	86°	Dif.	87°	Dif.	/
0	4477358	+1447-	4564221	+1449-	4651217	+1451-	4738320	+1452-	60
1	4478304	1 145	4565670	1 145	4652668	1 145	4739772	1 145	59
2	4480251	2 289	4567119	2 290	4654119	2 290	4741225	2 290	58
3	4481697	3 434	4568568	3 435	4655570	3 435	4742677	3 436	57
4	4483144	4 579	4570017	4 580	4657021	4 580	4744130	4 581	56
5	4484590	5 724	4571466	5 725	4658472	5 726	4745582	5 726	55
6	4486037	6 868	4572915	6 869	4659923	6 871	4747035	6 871	54
7	4487484	7 1013	4574364	7 1014	4661374	7 1016	4748487	7 1016	53
8	4488931	8 1158	4575814	8 1159	4662825	8 1161	4749940	8 1162	52
9	4490378	9 1302	4577263	9 1304	4664276	9 1306	4751393	9 1307	51
10	4491825	+1447-	4578712	+1449-	4665728	+1451-	4752845	+1453-	50
11	4493272	1 145	4580162	1 145	4667179	1 145	4754298	1 145	49
12	4494718	2 289	4581611	2 290	4668630	2 290	4755751	2 291	48
13	4496165	3 434	4583060	3 435	4670082	3 435	4757203	3 436	47
14	4497612	4 579	4584510	4 580	4671533	4 580	4758656	4 581	46
15	4499059	5 724	4585959	5 725	4672984	5 726	4760109	5 727	45
16	4500506	6 868	4587409	6 869	4674436	6 871	4761562	6 872	44
17	4501953	7 1013	4588858	7 1014	4675887	7 1016	4763015	7 1017	43
18	4503401	8 1158	4590307	8 1159	4677338	8 1161	4764467	8 1162	42
19	4504848	9 1302	4591757	9 1304	4678790	9 1306	4765920	9 1308	41
20	4506296	+1447-	4593207	+1450-	4680241	+1452-	4767373	+1453-	40
21	4507743	1 145	4594656	1 145	4681693	1 145	4768826	1 145	39
22	4509190	2 290	4596106	2 290	4683144	2 290	4770279	2 291	38
23	4510638	3 434	4597555	3 435	4684596	3 436	4771732	3 436	37
24	4512085	4 579	4599005	4 580	4686047	4 581	4773185	4 581	36
25	4513533	5 724	4600455	5 725	4687499	5 726	4774638	5 727	35
26	4514980	6 868	4601905	6 870	4688950	6 871	4776091	6 872	34
27	4516428	7 1013	4603355	7 1015	4690402	7 1016	4777544	7 1017	33
28	4517875	8 1158	4604804	8 1160	4691854	8 1162	4778997	8 1162	32
29	4519323	9 1302	4606254	9 1305	4693305	9 1307	4780450	9 1308	31
30	4520771	+1448-	4607704	+1450-	4694757	+1452-	4781903	+1453-	30
31	4522219	1 145	4609154	1 145	4696209	1 145	4783356	1 145	29
32	4523667	2 290	4610604	2 290	4697661	2 290	4784809	2 291	28
33	4525114	3 434	4612054	3 435	4699113	3 436	4786262	3 436	27
34	4526562	4 579	4613504	4 580	4700565	4 581	4787715	4 581	26
35	4528010	5 724	4614954	5 725	4702017	5 726	4789168	5 727	25
36	4529458	6 868	4616405	6 870	4703468	6 871	4790621	6 872	24
37	4530906	7 1014	4617855	7 1015	4704920	7 1016	4792074	7 1017	23
38	4532354	8 1158	4619305	8 1160	4706372	8 1162	4793527	8 1162	22
39	4533802	9 1303	4620756	9 1305	4707824	9 1307	4794981	9 1308	21
40	4535250	+1448-	4622206	+1450-	4709276	+1452-	4796434	+1453-	20
41	4536698	1 145	4623656	1 145	4710728	1 145	4797888	1 145	19
42	4538147	2 290	4625106	2 290	4712180	2 290	4799341	2 291	18
43	4539595	3 434	4626557	3 435	4713632	3 436	4800794	3 436	17
44	4541044	4 579	4628007	4 580	4715084	4 581	4802248	4 581	16
45	4542492	5 724	4629458	5 725	4716536	5 726	4803701	5 727	15
46	4543940	6 869	4630908	6 870	4717988	6 871	4805154	6 872	14
47	4545389	7 1014	4632359	7 1015	4719440	7 1016	4806608	7 1017	13
48	4546837	8 1158	4633809	8 1160	4720892	8 1162	4808061	8 1162	12
49	4548285	9 1303	4635260	9 1305	4722344	9 1307	4809514	9 1308	11
50	4549734	+1449-	4636710	+1451-	4723796	+1452-	4810968	+1453-	10
51	4551182	1 145	4638161	1 145	4725249	1 145	4812421	1 145	9
52	4552631	2 290	4639612	2 290	4726701	2 290	4813874	2 291	8
53	4554079	3 435	4641062	3 435	4728154	3 436	4815328	3 436	7
54	4555528	4 580	4642513	4 580	4729606	4 581	4816782	4 581	6
55	4556977	5 725	4643963	5 726	4731058	5 726	4818235	5 727	5
56	4558426	6 869	4645414	6 871	4732511	6 871	4819688	6 872	4
57	4559875	7 1014	4646865	7 1016	4733963	7 1016	4821142	7 1017	3
58	4561324	8 1159	4648316	8 1161	4735415	8 1162	4822595	8 1162	2
59	4562773	9 1304	4649766	9 1306	4736868	9 1307	4824049	9 1308	1
/	275°	Dif.	274°	Dif.	273°	Dif.	272°	Dif.	/

l	88°	Dif.	89°	Dif.	90°	Dif.	91°	Dif.	l
0	4825502	+1454-	4912738	+1454-	5000000	+1454-	5087262	+1454-	60
1	4826956	1 145	4914192	1 145	5001455	1 145	5088717	1 145	59
2	4828410	2 291	4915647	2 291	5002909	2 291	5090171	2 291	58
3	4829863	3 436	4917101	3 436	5004364	3 436	5091625	3 436	57
4	4831317	4 582	4918555	4 582	5005818	4 582	5093079	4 582	56
5	4832770	5 727	4920009	5 727	5007273	5 727	5094533	5 727	55
6	4834224	6 872	4921464	6 872	5008727	6 872	5095987	6 872	54
7	4835678	7 1018	4922918	7 1018	5010182	7 1018	5097442	7 1018	53
8	4837131	8 1163	4924372	8 1163	5011636	8 1163	5098896	8 1163	52
9	4838585	9 1309	4925826	9 1309	5013091	9 1309	5100350	9 1309	51
10	4840039	+1454-	4927281	+1454-	5014545	+1454-	5101804	+1454-	50
11	4841492	1 145	4928735	1 145	5015999	1 145	5103258	1 145	49
12	4842946	2 291	4930189	2 291	5017454	2 291	5104712	2 291	48
13	4844400	3 436	4931644	3 436	5018908	3 436	5106167	3 436	47
14	4845853	4 582	4933098	4 582	5020363	4 582	5107621	4 582	46
15	4847307	5 727	4934552	5 727	5021817	5 727	5109075	5 727	45
16	4848761	6 872	4936006	6 872	5023271	6 872	5110529	6 872	44
17	4850215	7 1018	4937461	7 1018	5024726	7 1018	5111983	7 1018	43
18	4851669	8 1163	4938915	8 1163	5026180	8 1163	5113437	8 1163	42
19	4853123	9 1309	4940370	9 1309	5027635	9 1309	5114891	9 1309	41
20	4854577	+1454-	4941824	+1454-	5029089	+1454-	5116345	+1454-	40
21	4856030	1 145	4943278	1 145	5030544	1 145	5117799	1 145	39
22	4857484	2 291	4944732	2 291	5031998	2 291	5119253	2 291	38
23	4858938	3 436	4946187	3 436	5033452	3 436	5120707	3 436	37
24	4860392	4 582	4947641	4 582	5034907	4 582	5122161	4 582	36
25	4861846	5 727	4949096	5 727	5036361	5 727	5123615	5 727	35
26	4863300	6 872	4950550	6 872	5037816	6 872	5125069	6 872	34
27	4864754	7 1018	4952004	7 1018	5039270	7 1018	5126523	7 1018	33
28	4866208	8 1163	4953458	8 1163	5040724	8 1163	5127977	8 1163	32
29	4867662	9 1309	4954912	9 1309	5042178	9 1309	5129431	9 1309	31
30	4869116	+1454-	4956367	+1454-	5043633	+1454-	5130885	+1454-	30
31	4870569	1 145	4957822	1 145	5045087	1 145	5132339	1 145	29
32	4872023	2 291	4959276	2 291	5046542	2 291	5133793	2 291	28
33	4873477	3 436	4960730	3 436	5047996	3 436	5135247	3 436	27
34	4874931	4 582	4962184	4 582	5049450	4 582	5136701	4 582	26
35	4876385	5 727	4963639	5 727	5050905	5 727	5138155	5 727	25
36	4877839	6 872	4965093	6 872	5052359	6 872	5139609	6 872	24
37	4879293	7 1018	4966548	7 1018	5053814	7 1018	5141063	7 1018	23
38	4880747	8 1163	4968002	8 1163	5055268	8 1163	5142517	8 1163	22
39	4882201	9 1309	4969456	9 1309	5056722	9 1309	5143971	9 1309	21
40	4883655	+1454-	4970911	+1454-	5058177	+1454-	5145424	+1454-	20
41	4885109	1 145	4972365	1 145	5059631	1 145	5146878	1 145	19
42	4886563	2 291	4973820	2 291	5061085	2 291	5148332	2 291	18
43	4888017	3 436	4975274	3 436	5062540	3 436	5149785	3 436	17
44	4889471	4 582	4976729	4 582	5063994	4 582	5151239	4 582	16
45	4890925	5 727	4978183	5 727	5065448	5 727	5152693	5 727	15
46	4892379	6 872	4979637	6 872	5066903	6 872	5154147	6 872	14
47	4893833	7 1018	4981092	7 1018	5068357	7 1018	5155601	7 1018	13
48	4895288	8 1163	4982546	8 1163	5069811	8 1163	5157054	8 1163	12
49	4896742	9 1309	4984001	9 1309	5071266	9 1309	5158508	9 1309	11
50	4898196	+1454-	4985455	+1454-	5072720	+1454-	5159962	+1454-	10
51	4899650	1 145	4986909	1 145	5074174	1 145	5161415	1 145	9
52	4901104	2 291	4988364	2 291	5075628	2 291	5162869	2 291	8
53	4902558	3 436	4989818	3 436	5077083	3 436	5164323	3 436	7
54	4904013	4 582	4991273	4 582	5078537	4 582	5165776	4 582	6
55	4905467	5 727	4992727	5 727	5079991	5 727	5167230	5 727	5
56	4906921	6 872	4994182	6 872	5081445	6 872	5168684	6 872	4
57	4908375	7 1018	4995636	7 1018	5082900	7 1018	5170137	7 1018	3
58	4909829	8 1163	4997091	8 1163	5084354	8 1163	5171591	8 1163	2
59	4911283	9 1309	4998545	9 1309	5085808	9 1309	5173044	9 1309	1
l	271°	Dif.	270°	Dif.	269°	Dif.	268°	Dif.	l

1	92°	Dif.	93°	Dif.	94°	Dif.	95°	Dif.	1
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1	5175951	1 145	5263132	1 145	5350234	1 145	5437227	1 145	59
2	5177405	2 291	5264585	2 290	5351684	2 290	5438676	2 290	58
3	5178858	3 436	5266037	3 436	5353135	3 435	5440125	3 435	57
4	5180312	4 581	5267489	4 581	5354586	4 580	5441574	4 580	56
5	5181765	5 727	5268942	5 726	5356037	5 726	5443023	5 725	55
6	5183218	6 872	5270394	6 871	5357487	6 871	5444472	6 869	54
7	5184672	7 1017	5271846	7 1016	5358938	7 1016	5445921	7 1014	53
8	5186126	8 1162	5273299	8 1162	5360388	8 1161	5447369	8 1159	52
9	5187579	9 1308	5274751	9 1307	5361839	9 1306	5448818	9 1304	51
10	5189032	+1453-	5276204	+1452-	5363290	+1450-	5450266	+1448-	50
11	5190486	1 145	5277656	1 145	5364740	1 145	5451715	1 145	49
12	5191939	2 291	5279108	2 290	5366191	2 290	5453163	2 290	48
13	5193392	3 436	5280560	3 436	5367641	3 435	5454611	3 434	47
14	5194846	4 581	5282012	4 581	5369092	4 580	5456060	4 579	46
15	5196299	5 727	5283464	5 726	5370542	5 725	5457508	5 724	45
16	5197752	6 872	5284916	6 871	5371993	6 870	5458956	6 869	44
17	5199205	7 1017	5286368	7 1016	5373443	7 1015	5460405	7 1014	43
18	5200659	8 1162	5287820	8 1162	5374894	8 1160	5461853	8 1158	42
19	5202112	9 1308	5289272	9 1307	5376344	9 1305	5463302	9 1303	41
20	5203566	+1453-	5290724	+1452-	5377794	+1450-	5464750	+1448-	40
21	5205019	1 145	5292176	1 145	5379244	1 145	5466198	1 145	39
22	5206473	2 291	5293628	2 290	5380695	2 290	5467646	2 290	38
23	5207926	3 436	5295080	3 436	5382145	3 435	5469094	3 434	37
24	5209379	4 581	5296532	4 581	5383595	4 580	5470542	4 579	36
25	5210832	5 727	5297983	5 726	5385046	5 725	5471990	5 724	35
26	5212285	6 872	5299435	6 871	5386496	6 870	5473438	6 869	34
27	5213738	7 1017	5300887	7 1016	5387946	7 1015	5474886	7 1014	33
28	5215191	8 1162	5302339	8 1162	5389396	8 1160	5476333	8 1158	32
29	5216644	9 1308	5303791	9 1307	5390846	9 1305	5477781	9 1303	31
30	5218097	+1453-	5305243	+1452-	5392296	+1450-	5479229	+1447-	30
31	5219550	1 145	5306695	1 145	5393746	1 145	5480677	1 145	29
32	5221003	2 291	5308146	2 290	5395196	2 290	5482125	2 289	28
33	5222456	3 436	5309598	3 436	5396645	3 435	5483572	3 434	27
34	5223909	4 581	5311050	4 581	5398095	4 580	5485020	4 579	26
35	5225362	5 727	5312501	5 726	5399545	5 725	5486467	5 724	25
36	5226815	6 872	5313953	6 871	5400995	6 870	5487915	6 868	24
37	5228268	7 1017	5315404	7 1016	5402444	7 1015	5489362	7 1013	23
38	5229721	8 1162	5316856	8 1162	5403894	8 1160	5490810	8 1158	22
39	5231174	9 1308	5318307	9 1307	5405344	9 1305	5492257	9 1302	21
40	5232627	+1453-	5319759	+1451-	5406793	+1449-	5493704	+1447-	20
41	5234080	1 145	5321210	1 145	5408243	1 145	5495152	1 145	19
42	5235533	2 291	5322662	2 290	5409693	2 290	5496599	2 289	18
43	5236985	3 436	5324113	3 435	5411142	3 435	5498047	3 434	17
44	5238438	4 581	5325564	4 580	5412591	4 580	5499494	4 579	16
45	5239891	5 727	5327016	5 726	5414041	5 725	5500941	5 724	15
46	5241344	6 872	5328467	6 871	5415490	6 869	5502388	6 868	14
47	5242797	7 1017	5329918	7 1016	5416940	7 1014	5503835	7 1013	13
48	5244249	8 1162	5331370	8 1161	5418389	8 1159	5505282	8 1158	12
49	5245702	9 1308	5332821	9 1306	5419838	9 1304	5506728	9 1302	11
50	5247155	+1452-	5334272	+1451-	5421288	+1449-	5508175	+1447-	10
51	5248607	1 145	5335723	1 145	5422737	1 145	5509622	1 145	9
52	5250060	2 290	5337175	2 290	5424186	2 290	5511069	2 289	8
53	5251513	3 436	5338626	3 435	5425636	3 435	5512516	3 434	7
54	5252965	4 581	5340077	4 580	5427085	4 580	5513963	4 579	6
55	5254418	5 726	5341528	5 726	5428534	5 725	5515410	5 724	5
56	5255870	6 871	5342979	6 871	5429983	6 869	5516856	6 868	4
57	5257323	7 1016	5344430	7 1016	5431432	7 1014	5518303	7 1013	3
58	5258775	8 1162	5345881	8 1161	5432881	8 1159	5519749	8 1158	2
59	5260228	9 1307	5347332	9 1306	5434330	9 1304	5521196	9 1302	1
1	267°	Dif.	266°	Dif.	265°	Dif.	264°	Dif.	1

TABOA I.

1	96°	Dif.	97°	Dif.	98°	Dif.	99°	Dif.	1
0	5522642	+1446-	5609347	+1443-	5695866	+1440-	5782173	+1436-	60
1	5524089	1 145	5610790	1 144	5697306	1 144	5783609	1 144	59
2	5525536	2 289	5612234	2 289	5698746	2 288	5785046	2 287	58
3	5526982	3 434	5613677	3 433	5700186	3 432	5786482	3 431	57
4	5528428	4 578	5615120	4 577	5701626	4 576	5787919	4 574	56
5	5529874	5 723	5616564	5 722	5703066	5 720	5789355	5 718	55
6	5531321	6 868	5618007	6 866	5704506	6 864	5790791	6 862	54
7	5532767	7 1012	5619451	7 1010	5705946	7 1008	5792227	7 1005	53
8	5534213	8 1157	5620894	8 1154	5707386	8 1152	5793663	8 1149	52
9	5535659	9 1301	5622337	9 1299	5708826	9 1296	5795099	9 1292	51
10	5537105	+1446-	5623780	+1443-	5710266	+1439-	5796535	+1435-	50
11	5538551	1 145	5625223	1 144	5711705	1 144	5797971	1 144	49
12	5539997	2 289	5626666	2 289	5713145	2 288	5799406	2 287	48
13	5541443	3 434	5628109	3 433	5714584	3 432	5800842	3 431	47
14	5542889	4 578	5629552	4 577	5716024	4 576	5802277	4 574	46
15	5544335	5 723	5630995	5 722	5717463	5 720	5803713	5 718	45
16	5545781	6 868	5632437	6 866	5718902	6 863	5805148	6 861	44
17	5547226	7 1012	5633880	7 1010	5720342	7 1007	5806584	7 1005	43
18	5548672	8 1157	5635323	8 1154	5721781	8 1151	5808019	8 1148	42
19	5550117	9 1301	5636766	9 1299	5723220	9 1295	5809455	9 1292	41
20	5551563	+1445-	5638208	+1442-	5724659	+1439-	5810890	+1435-	40
21	5553008	1 145	5639651	1 144	5726098	1 144	5812325	1 144	39
22	5554454	2 289	5641093	2 288	5727537	2 288	5813760	2 287	38
23	5555899	3 434	5642536	3 433	5728976	3 432	5815195	3 431	37
24	5557345	4 578	5643978	4 577	5730415	4 576	5816630	4 574	36
25	5558790	5 723	5645421	5 721	5731854	5 720	5818065	5 718	35
26	5560235	6 867	5646863	6 865	5733293	6 863	5819500	6 861	34
27	5561681	7 1012	5648305	7 1009	5734732	7 1007	5820934	7 1005	33
28	5563126	8 1156	5649747	8 1154	5736170	8 1151	5822369	8 1148	32
29	5564571	9 1301	5651189	9 1298	5737609	9 1295	5823803	9 1292	31
30	5566016	+1445-	5652631	+1442-	5739047	+1438-	5825238	+1434-	30
31	5567461	1 145	5654073	1 144	5740485	1 144	5826672	1 143	29
32	5568906	2 289	5655515	2 288	5741924	2 288	5828107	2 287	28
33	5570351	3 434	5656957	3 433	5743362	3 431	5829541	3 430	27
34	5571796	4 578	5658398	4 577	5744800	4 575	5830975	4 574	26
35	5573241	5 723	5659840	5 721	5746239	5 719	5832409	5 717	25
36	5574686	6 867	5661282	6 865	5747677	6 863	5833843	6 860	24
37	5576130	7 1012	5662723	7 1009	5749115	7 1007	5835277	7 1004	23
38	5577575	8 1156	5664165	8 1154	5750553	8 1150	5836711	8 1147	22
39	5579020	9 1301	5665606	9 1298	5751991	9 1294	5838145	9 1291	21
40	5580465	+1444-	5667048	+1441-	5753428	+1438-	5839579	+1433-	20
41	5581910	1 144	5668489	1 144	5754866	1 144	5841013	1 143	19
42	5583354	2 289	5669931	2 288	5756304	2 288	5842447	2 287	18
43	5584798	3 433	5671372	3 432	5757742	3 431	5843880	3 430	17
44	5586243	4 578	5672813	4 576	5759180	4 575	5845314	4 573	16
45	5587687	5 722	5674254	5 721	5760617	5 719	5846747	5 717	15
46	5589131	6 865	5675695	6 865	5762054	6 863	5848181	6 860	14
47	5590576	7 1011	5677136	7 1009	5763492	7 1007	5849614	7 1003	13
48	5592020	8 1155	5678577	8 1153	5764929	8 1150	5851048	8 1146	12
49	5593464	9 1300	5680018	9 1297	5766367	9 1294	5852481	9 1290	11
50	5594908	+1444-	5681459	+1441-	5767804	+1437-	5853914	+1433-	10
51	5596352	1 144	5682900	1 144	5769241	1 144	5855347	1 143	9
52	5597796	2 289	5684341	2 288	5770678	2 287	5856780	2 287	8
53	5599240	3 433	5685782	3 432	5772115	3 431	5858213	3 430	7
54	5600684	4 578	5687223	4 576	5773552	4 575	5859646	4 573	6
55	5602128	5 722	5688663	5 721	5774989	5 719	5861078	5 717	5
56	5603572	6 866	5690104	6 865	5776426	6 862	5862511	6 860	4
57	5605016	7 1011	5691544	7 1009	5777863	7 1006	5863943	7 1003	3
58	5606460	8 1155	5692985	8 1153	5779300	8 1150	5865376	8 1146	2
59	5607903	9 1300	5694425	9 1297	5780736	9 1293	5866808	9 1290	1
1	263°	Dif.	262°	Dif.	261°	Dif.	260°	Dif.	1

	100°	Dif.	101°	Dif.	102°	Dif.	103°	Dif.	
0	5863241	+1432-	5954045	+1427-	6039559	+1422-	6124756	+1417-	60
1	5869673	1 143	5955472	1 143	6040981	1 142	6126173	1 142	59
2	5871105	2 286	5956900	2 285	6042404	2 284	6127590	2 283	58
3	5872537	3 429	5958327	3 428	6043826	3 427	6129007	3 425	57
4	5873969	4 573	5959755	4 571	6045249	4 569	6130424	4 567	56
5	5875401	5 716	5961182	5 714	6046671	5 711	6131841	5 709	55
6	5876833	6 859	5962610	6 856	6048093	6 853	6133257	6 850	54
7	5878265	7 1002	5964037	7 999	6049515	7 995	6134674	7 992	53
8	5879697	8 1146	5965464	8 1142	6050937	8 1138	6136090	8 1134	52
9	5881129	9 1289	5966891	9 1284	6052359	9 1280	6137507	9 1275	51
10	5882561	+1431-	5968318	+1426-	6053781	+1421-	6138923	+1416-	50
11	5883992	1 143	5969745	1 143	6055203	1 142	6140339	1 142	49
12	5885424	2 286	5971172	2 285	6056625	2 284	6141755	2 283	48
13	5886855	3 429	5972599	3 428	6058046	3 425	6143171	3 425	47
14	5888287	4 572	5974025	4 570	6059468	4 568	6144587	4 566	46
15	5889718	5 716	5975452	5 713	6060889	5 711	6146003	5 708	45
16	5891149	6 859	5976878	6 856	6062311	6 853	6147419	6 850	44
17	5892580	7 1002	5978305	7 998	6063732	7 995	6148834	7 991	43
18	5894011	8 1145	5979731	8 1141	6065153	8 1137	6150250	8 1133	42
19	5895442	9 1288	5981157	9 1283	6066574	9 1279	6151665	9 1274	41
20	5896873	+1430-	5982583	+1426-	6067995	+1420-	6153080	+1415-	40
21	5898304	1 143	5984009	1 143	6069416	1 142	6154495	1 142	39
22	5899734	2 286	5985435	2 285	6070836	2 284	6155910	2 283	38
23	5901165	3 429	5986861	3 428	6072257	3 426	6157325	3 425	37
24	5902595	4 572	5988287	4 570	6073677	4 568	6158740	4 566	36
25	5904026	5 715	5989713	5 713	6075098	5 710	6160155	5 708	35
26	5905456	6 858	5991138	6 856	6076518	6 852	6161570	6 849	34
27	5906887	7 1001	5992564	7 998	6077938	7 994	6162984	7 991	33
28	5908317	8 1144	5993989	8 1141	6079358	8 1136	6164399	8 1132	32
29	5909748	9 1287	5995415	9 1283	6080778	9 1278	6165813	9 1274	31
30	5911178	+1430-	5996840	+1425-	6082198	+1419-	6167228	+1414-	30
31	5912608	1 143	5998265	1 143	6083618	1 142	6168642	1 141	29
32	5914038	2 286	5999690	2 285	6085038	2 284	6170056	2 283	28
33	5915468	3 429	6001115	3 428	6086458	3 426	6171470	3 424	27
34	5916898	4 572	6002540	4 570	6087877	4 568	6172884	4 566	26
35	5918327	5 715	6003965	5 713	6089297	5 710	6174298	5 707	25
36	5919757	6 858	6005390	6 855	6090716	6 851	6175711	6 848	24
37	5921186	7 1001	6006815	7 998	6092136	7 993	6177125	7 990	23
38	5922616	8 1144	6008240	8 1140	6093555	8 1135	6178538	8 1131	22
39	5924045	9 1287	6009665	9 1283	6094974	9 1277	6179952	9 1273	21
40	5925475	+1429-	6011089	+1424-	6096393	+1419-	6181365	+1413-	20
41	5926904	1 143	6012513	1 142	6097812	1 142	6182779	1 141	19
42	5928333	2 285	6013937	2 285	6099231	2 284	6184192	2 283	18
43	5929762	3 429	6015361	3 427	6100650	3 426	6185605	3 424	17
44	5931191	4 572	6016785	4 570	6102069	4 568	6187018	4 565	16
45	5932620	5 715	6018209	5 712	6103487	5 710	6188430	5 707	15
46	5934049	6 857	6019633	6 854	6104906	6 851	6189843	6 848	14
47	5935478	7 1000	6021057	7 997	6106324	7 993	6191255	7 989	13
48	5936906	8 1143	6022481	8 1139	6107743	8 1135	6192668	8 1130	12
49	5938335	9 1286	6023904	9 1282	6109161	9 1277	6194080	9 1272	11
50	5939763	+1428-	6025328	+1423-	6110579	+1418-	6195493	+1412-	10
51	5941192	1 143	6026751	1 142	6111997	1 142	6196905	1 141	9
52	5942620	2 286	6028175	2 285	6113415	2 284	6198317	2 282	8
53	5944049	3 428	6029598	3 427	6114833	3 425	6199729	3 424	7
54	5945477	4 571	6031022	4 569	6116251	4 567	6201141	4 565	6
55	5946905	5 714	6032445	5 712	6117669	5 709	6202553	5 706	5
56	5948333	6 857	6033868	6 854	6119086	6 851	6203964	6 847	4
57	5949761	7 1000	6035291	7 996	6120504	7 993	6205376	7 988	3
58	5951189	8 1142	6036714	8 1138	6121921	8 1134	6206787	8 1130	2
59	5952617	9 1285	6038136	9 1281	6123338	9 1276	6208199	9 1271	1
	259°	Dif.	258°	Dif.	257°	Dif.	256°	Dif.	

1	104°	Dif.	105°	Dif.	106°	Dif.	107°	Dif.	1
0	6209610	+1411-	6294095	+1404-	6378187	+1397-	6461859	+1390-	60
1	6211021	1 141	6295500	1 140	6379585	1 140	6463250	1 139	59
2	6212432	2 282	6296905	2 281	6380983	2 279	6464640	2 278	58
3	6213843	3 423	6298310	3 421	6382381	3 419	6466031	3 417	57
4	6215254	4 564	6299714	4 562	6383779	4 559	6467421	4 556	56
5	6216655	5 706	6301119	5 702	6385176	5 699	6468812	5 695	55
6	6218075	6 847	6302523	6 842	6386574	6 838	6470202	6 834	54
7	6219486	7 988	6303927	7 983	6387971	7 978	6471592	7 973	53
8	6220896	8 1129	6305331	8 1123	6389368	8 1118	6472982	8 1112	52
9	6222307	9 1270	6306735	9 1264	6390765	9 1257	6474372	9 1251	51
10	6223717	+1410-	6308139	+1403-	6392162	+1396-	6475761	+1389-	50
11	6225127	1 141	6309543	1 140	6393559	1 140	6477151	1 139	49
12	6226537	2 282	6310946	2 281	6394956	2 279	6478540	2 278	48
13	6227947	3 423	6312350	3 421	6396352	3 419	6479930	3 416	47
14	6229357	4 564	6313753	4 561	6397749	4 558	6481319	4 556	46
15	6230767	5 705	6315156	5 702	6399145	5 698	6482708	5 695	45
16	6232177	6 846	6316559	6 842	6400541	6 838	6484097	6 833	44
17	6233586	7 987	6317962	7 982	6401937	7 977	6485486	7 972	43
18	6234996	8 1128	6319365	8 1122	6403333	8 1117	6486874	8 1111	42
19	6236405	9 1269	6320768	9 1263	6404729	9 1256	6488263	9 1250	41
20	6237814	+1409-	6322171	+1402-	6406125	+1395-	6489651	+1388-	40
21	6239223	1 141	6323573	1 140	6407521	1 140	6491040	1 139	39
22	6240632	2 282	6324976	2 280	6408916	2 279	6492428	2 278	38
23	6242041	3 423	6326378	3 421	6410312	3 419	6493816	3 416	37
24	6243450	4 564	6327780	4 561	6411707	4 558	6495204	4 555	36
25	6244859	5 705	6329182	5 701	6413102	5 698	6496592	5 694	35
26	6246267	6 845	6330584	6 841	6414497	6 837	6497980	6 833	34
27	6247676	7 986	6331986	7 981	6415892	7 977	6499367	7 972	33
28	6249084	8 1127	6333388	8 1122	6417287	8 1116	6500755	8 1110	32
29	6250492	9 1268	6334790	9 1263	6418682	9 1256	6502142	9 1249	31
30	6251900	+1408-	6336192	+1401-	6420077	+1394-	6503529	+1386-	30
31	6253308	1 141	6337593	1 140	6421471	1 139	6504916	1 139	29
32	6254716	2 282	6338995	2 280	6422866	2 279	6506303	2 277	28
33	6256124	3 422	6340396	3 420	6424260	3 418	6507690	3 415	27
34	6257532	4 563	6341797	4 560	6425654	4 558	6509077	4 554	26
35	6258939	5 704	6343198	5 701	6427048	5 697	6510463	5 693	25
36	6260347	6 845	6344599	6 841	6428442	6 836	6511850	6 832	24
37	6261754	7 986	6346000	7 981	6429836	7 976	6513236	7 970	23
38	6263162	8 1126	6347401	8 1121	6431230	8 1115	6514622	8 1109	22
39	6264569	9 1267	6348801	9 1261	6432623	9 1255	6516008	9 1247	21
40	6265976	+1406-	6350202	+1400-	6434017	+1393-	6517394	+1385-	20
41	6267383	1 141	6351602	1 140	6435410	1 139	6518780	1 139	19
42	6268790	2 281	6353002	2 280	6435803	2 279	6520166	2 277	18
43	6270197	3 422	6354402	3 420	6438196	3 418	6521551	3 416	17
44	6271604	4 562	6355802	4 560	6439589	4 557	6522937	4 554	16
45	6273010	5 703	6357202	5 700	6440982	5 697	6524322	5 693	15
46	6274417	6 844	6358602	6 840	6442375	6 836	6525707	6 831	14
47	6275823	7 984	6360002	7 980	6443767	7 975	6527092	7 970	13
48	6277229	8 1125	6361401	8 1120	6445160	8 1114	6528477	8 1108	12
49	6278635	9 1265	6362801	9 1260	6446552	9 1254	6529862	9 1247	11
50	6280041	+1405-	6364200	+1399-	6447944	+1391-	6531246	+1384-	10
51	6281447	1 141	6365599	1 140	6449336	1 139	6532631	1 138	9
52	6282853	2 281	6366998	2 280	6450728	2 278	6534015	2 277	8
53	6284258	3 422	6368397	3 420	6452120	3 417	6535399	3 415	7
54	6285664	4 562	6369796	4 560	6453511	4 556	6536783	4 554	6
55	6287070	5 703	6371195	5 700	6454903	5 696	6538167	5 692	5
56	6288475	6 843	6372593	6 839	6456294	6 835	6539551	6 830	4
57	6289880	7 984	6373992	7 979	6457686	7 974	6540935	7 969	3
58	6291285	8 1124	6375390	8 1119	6459077	8 1113	6542318	8 1107	2
59	6292690	9 1265	6376789	9 1259	6460468	9 1252	6543702	9 1246	1
1	255°	Dif.	254°	Dif.	253°	Dif.	252°	Dif.	1

<i>l</i>	108°	Dif.	109°	Dif.	110°	Dif.	111°	Dif.	<i>l</i>
0	6545085	+1383-	6627841	+1374-	6710101	+1366-	6791840	+1357-	60
1	6546468	1 138	6629216	1 137	6711468	1 137	6793198	1 136	59
2	6547851	2 277	6630591	2 275	6712834	2 273	6794555	2 271	58
3	6549234	3 415	6631966	3 412	6714201	3 410	6795913	3 407	57
4	6550617	4 553	6633340	4 550	6715567	4 546	6797270	4 543	56
5	6551999	5 692	6634715	5 687	6716933	5 683	6798627	5 679	55
6	6553382	6 830	6636089	6 824	6718299	6 820	6799984	6 814	54
7	6554764	7 968	6637464	7 962	6719665	7 956	6801341	7 950	53
8	6556147	8 1106	6638838	8 1099	6721031	8 1093	6802698	8 1086	52
9	6557529	9 1245	6640212	9 1237	6722396	9 1229	6804054	9 1221	51
10	6558911	+1381-	6641586	+1373-	6723762	+1364-	6805411	+1356-	50
11	6560293	1 138	6642960	1 137	6725127	1 136	6806767	1 136	49
12	6561674	2 276	6644333	2 275	6726492	2 273	6808123	2 271	48
13	6563056	3 415	6645707	3 412	6727857	3 409	6809479	3 407	47
14	6564437	4 552	6647080	4 549	6729221	4 546	6810835	4 542	46
15	6565819	5 691	6648453	5 687	6730586	5 682	6812191	5 678	45
16	6567200	6 829	6649826	6 824	6731950	6 818	6813546	6 814	44
17	6568581	7 967	6651199	7 961	6733315	7 955	6814902	7 949	43
18	6569962	8 1105	6652572	8 1098	6734679	8 1091	6816257	8 1085	42
19	6571343	9 1243	6653945	9 1236	6736043	9 1228	6817612	9 1220	41
20	6572724	+1380-	6655317	+1372-	6737407	+1363-	6818967	+1354-	40
21	6574105	1 138	6656690	1 137	6738770	1 136	6820322	1 135	39
22	6575485	2 276	6658062	2 274	6740134	2 273	6821676	2 271	38
23	6576865	3 414	6659434	3 412	6741497	3 409	6823031	3 406	37
24	6578245	4 552	6660806	4 549	6742861	4 545	6824385	4 542	36
25	6579625	5 690	6662178	5 686	6744224	5 682	6825739	5 677	35
26	6581005	6 828	6663549	6 823	6745587	6 818	6827093	6 812	34
27	6582385	7 966	6664921	7 960	6746950	7 954	6828446	7 948	33
28	6583764	8 1104	6666292	8 1098	6748312	8 1090	6829800	8 1083	32
29	6585144	9 1242	6667663	9 1235	6749675	9 1227	6831153	9 1219	31
30	6586523	+1379-	6669034	+1370-	6751037	+1362-	6832507	+1352-	30
31	6587903	1 138	6670405	1 137	6752399	1 136	6833860	1 135	29
32	6589282	2 276	6671776	2 274	6753761	2 272	6835213	2 270	28
33	6590661	3 414	6673147	3 411	6755123	3 409	6836566	3 406	27
34	6592040	4 552	6674518	4 548	6756485	4 545	6837918	4 541	26
35	6593419	5 690	6675888	5 685	6757847	5 681	6839271	5 675	25
36	6594797	6 827	6677258	6 822	6759209	6 817	6840623	6 811	24
37	6596176	7 965	6678628	7 959	6760570	7 953	6841975	7 946	23
38	6597554	8 1103	6679998	8 1096	6761931	8 1090	6843327	8 1082	22
39	6598932	9 1241	6681368	9 1233	6763292	9 1226	6844679	9 1217	21
40	6600310	+1377-	6682737	+1369-	6764653	+1361-	6846031	+1351-	20
41	6601688	1 138	6684107	1 137	6766014	1 136	6847383	1 135	19
42	6603065	2 275	6685476	2 274	6767375	2 272	6848734	2 270	18
43	6604443	3 413	6686846	3 411	6768735	3 408	6850086	3 405	17
44	6605820	4 551	6688215	4 548	6770096	4 544	6851437	4 540	16
45	6607197	5 689	6689584	5 685	6771456	5 680	6852788	5 676	15
46	6608574	6 826	6690953	6 821	6772816	6 816	6854139	6 811	14
47	6609951	7 964	6692321	7 958	6774176	7 952	6855489	7 946	13
48	6611328	8 1102	6693690	8 1095	6775535	8 1088	6856840	8 1081	12
49	6612705	9 1239	6695058	9 1232	6776895	9 1224	6858190	9 1216	11
50	6614082	+1376-	6696427	+1367-	6778254	+1359-	6859540	+1349-	10
51	6615458	1 138	6697795	1 137	6779613	1 136	6860890	1 135	9
52	6616835	2 275	6699163	2 273	6780972	2 272	6862240	2 270	8
53	6618211	3 413	6700531	3 410	6782331	3 408	6863590	3 405	7
54	6619587	4 550	6701898	4 547	6783690	4 544	6864939	4 540	6
55	6620963	5 688	6703266	5 684	6785049	5 680	6866289	5 675	5
56	6622339	6 826	6704633	6 820	6786407	6 815	6867638	6 809	4
57	6623715	7 963	6706000	7 957	6787766	7 951	6868987	7 944	3
58	6625090	8 1101	6707367	8 1094	6789124	8 1087	6870336	8 1079	2
59	6626466	9 1238	6708734	9 1230	6790482	9 1223	6871685	9 1214	1
<i>l</i>	251°	Dif.	250°	Dif.	249°	Dif.	248°	Dif.	<i>l</i>

<i>i</i>	112°	Dif.	113°	Dif.	114°	Dif.	115°	Dif.	<i>i</i>
0	6873033	+1348-	6953656	+1338-	7033684	+1328-	7113091	+1317-	60
1	6874382	1 135	6954995	1 134	7035012	1 133	7114409	1 132	59
2	6875730	2 270	6956333	2 268	7036341	2 266	7115727	2 263	58
3	6877078	3 404	6957672	3 401	7037669	3 398	7117045	3 395	57
4	6878426	4 539	6959010	4 535	7038997	4 531	7118363	4 527	56
5	6879774	5 674	6960348	5 669	7040325	5 664	7119680	5 659	55
6	6881122	6 809	6961686	6 803	7041653	6 797	7120997	6 790	54
7	6882469	7 944	6963024	7 937	7042980	7 930	7122314	7 922	53
8	6883817	8 1078	6964362	8 1070	7044308	8 1062	7123631	8 1054	52
9	6885164	9 1213	6965699	9 1204	7045635	9 1195	7124948	9 1185	51
10	6886511	+1346-	6967036	+1336-	7046962	+1326-	7126264	+1315-	50
11	6887858	1 135	6968373	1 134	7048289	1 133	7127581	1 132	49
12	6889205	2 269	6969710	2 267	7049615	2 265	7128897	2 263	48
13	6890551	3 404	6971047	3 401	7050942	3 398	7130213	3 395	47
14	6891898	4 538	6972383	4 534	7052268	4 530	7131528	4 526	46
15	6893244	5 673	6973720	5 668	7053594	5 663	7132843	5 658	45
16	6894590	6 808	6975056	6 802	7054920	6 796	7134159	6 789	44
17	6895936	7 942	6976392	7 935	7056246	7 928	7135474	7 921	43
18	6897281	8 1077	6977728	8 1069	7057572	8 1061	7136789	8 1052	42
19	6898627	9 1211	6979064	9 1202	7058897	9 1193	7138104	9 1184	41
20	6899972	+1344-	6980399	+1335-	7060222	+1324-	7139418	+1314-	40
21	6901317	1 134	6981735	1 134	7061547	1 132	7140733	1 131	39
22	6902662	2 269	6983070	2 267	7062872	2 265	7142047	2 263	38
23	6904007	3 403	6984405	3 401	7064197	3 397	7143361	3 394	37
24	6905351	4 538	6985740	4 534	7065522	4 530	7144675	4 526	36
25	6906696	5 672	6987074	5 668	7066846	5 662	7145989	5 657	35
26	6908040	6 806	6988409	6 801	7068171	6 794	7147302	6 788	34
27	6909385	7 941	6989743	7 935	7069495	7 927	7148616	7 920	33
28	6910729	8 1075	6991077	8 1068	7070819	8 1059	7149929	8 1051	32
29	6912073	9 1210	6992411	9 1202	7072143	9 1192	7151242	9 1183	31
30	6913417	+1343-	6993745	+1333-	7073466	+1323-	7152555	+1312-	30
31	6914760	1 134	6995079	1 133	7074790	1 132	7153867	1 131	29
32	6916104	2 269	6996412	2 267	7076113	2 265	7155180	2 262	28
33	6917447	3 403	6997746	3 400	7077436	3 397	7156492	3 394	27
34	6918790	4 537	6999079	4 533	7078759	4 529	7157804	4 525	26
35	6920133	5 672	7000412	5 667	7080081	5 662	7159116	5 656	25
36	6921476	6 806	7001745	6 800	7081404	6 794	7160428	6 787	24
37	6922819	7 940	7003078	7 933	7082726	7 926	7161740	7 918	23
38	6924161	8 1074	7004410	8 1066	7084048	8 1058	7163051	8 1050	22
39	6925504	9 1209	7005743	9 1200	7085370	9 1191	7164363	9 1181	21
40	6926846	+1341-	7007075	+1331-	7086692	+1321-	7165674	+1310-	20
41	6928188	1 134	7008407	1 133	7088014	1 132	7166985	1 131	19
42	6929530	2 268	7009739	2 266	7089335	2 264	7168295	2 262	18
43	6930872	3 402	7011071	3 399	7090657	3 396	7169606	3 393	17
44	6932213	4 536	7012402	4 532	7091978	4 528	7170916	4 524	16
45	6933555	5 671	7013734	5 666	7093299	5 661	7172226	5 655	15
46	6934896	6 805	7015065	6 799	7094620	6 793	7173536	6 786	14
47	6936237	7 939	7016396	7 932	7095940	7 925	7174845	7 917	13
48	6937578	8 1073	7017727	8 1065	7097261	8 1057	7176155	8 1048	12
49	6938918	9 1207	7019057	9 1198	7098581	9 1189	7177464	9 1179	11
50	6940259	+1340-	7020388	+1330-	7099901	+1319-	7178773	+1308-	10
51	6941599	1 134	7021718	1 133	7101221	1 132	7180082	1 131	9
52	6942940	2 263	7023048	2 266	7102540	2 264	7181391	2 262	8
53	6944280	3 402	7024378	3 399	7103860	3 396	7182700	3 392	7
54	6945620	4 536	7025708	4 532	7105179	4 528	7184008	4 523	6
55	6946960	5 670	7027037	5 665	7106498	5 660	7185317	5 654	5
56	6948299	6 804	7028367	6 798	7107816	6 791	7186625	6 785	4
57	6949639	7 938	7029697	7 931	7109135	7 923	7187933	7 916	3
58	6950978	8 1072	7031026	8 1064	7110454	8 1055	7189241	8 1046	2
59	6952317	9 1206	7032355	9 1197	7111773	9 1187	7190548	9 1177	1
<i>i</i>	247°	Dif.	246°	Dif.	245°	Dif.	244°	Dif.	<i>i</i>

<i>l</i>	116°	Dif.	117°	Dif.	118°	Dif.	119°	Dif.	<i>l</i>
0	7191856	+1306—	7269953	+1295—	7347358	+1283—	7424048	+1271—	60
1	7193163	1 131	7271249	1 130	7348642	1 128	7425320	1 127	59
2	7194470	2 261	7272544	2 259	7349926	2 257	7426592	2 254	58
3	7195777	3 392	7273840	3 389	7351210	3 385	7427864	3 381	57
4	7197083	4 522	7275135	4 518	7352493	4 513	7429135	4 508	56
5	7198390	5 653	7276430	5 648	7353776	5 642	7430406	5 636	55
6	7199696	6 784	7277725	6 777	7355059	6 770	7431677	6 763	54
7	7201002	7 914	7279020	7 907	7356342	7 898	7432948	7 890	53
8	7202308	8 1045	7280314	8 1036	7357625	8 1026	7434218	8 1017	52
9	7203614	9 1175	7281609	9 1166	7358908	9 1155	7435489	9 1144	51
10	7204919	+1304—	7282903	+1293—	7360193	+1281—	7436759	+1269—	50
11	7206224	1 130	7284197	1 129	7361472	1 128	7438029	1 127	49
12	7207529	2 261	7285490	2 259	7362754	2 256	7439299	2 254	48
13	7208834	3 391	7286784	3 388	7364036	3 384	7440568	3 381	47
14	7210139	4 522	7288077	4 517	7365318	4 512	7441838	4 503	46
15	7211443	5 652	7289370	5 647	7366599	5 641	7443107	5 635	45
16	7212747	6 782	7290663	6 776	7367880	6 769	7444376	6 761	44
17	7214051	7 913	7291955	7 905	7369161	7 897	7445644	7 888	43
18	7215355	8 1043	7293248	8 1034	7370441	8 1025	7446913	8 1015	42
19	7216659	9 1174	7294540	9 1164	7371722	9 1153	7448181	9 1142	41
20	7217963	+1303—	7295832	+1291—	7373002	+1279—	7449449	+127—	40
21	7219266	1 130	7297124	1 129	7374282	1 128	7450717	1 127	39
22	7220570	2 261	7298415	2 258	7375562	2 256	7451984	2 253	38
23	7221873	3 391	7299707	3 387	7376842	3 384	7453252	3 380	37
24	7223175	4 521	7300998	4 516	7378121	4 512	7454519	4 507	36
25	7224478	5 652	7302290	5 646	7379401	5 640	7455786	5 634	35
26	7225780	6 782	7303581	6 775	7380680	6 767	7457053	6 760	34
27	7227083	7 912	7304872	7 904	7381959	7 895	7458319	7 887	33
28	7228385	8 1042	7306162	8 1033	7383237	8 1023	7459586	8 1014	32
29	7229687	9 1173	7307453	9 1162	7384516	9 1151	7460852	9 1140	31
30	7230989	+1301—	7308743	+1289—	7385794	+1277—	7462118	+1265—	30
31	7232290	1 130	7310033	1 129	7387072	1 128	7463383	1 127	29
32	7233592	2 260	7311323	2 258	7388350	2 255	7464649	2 253	28
33	7234893	3 390	7312613	3 387	7389627	3 383	7465914	3 380	27
34	7236194	4 520	7313903	4 516	7390905	4 511	7467179	4 506	26
35	7237495	5 651	7315192	5 645	7392182	5 639	7468444	5 633	25
36	7238796	6 781	7316481	6 773	7393459	6 766	7469709	6 759	24
37	7240096	7 911	7317770	7 902	7394736	7 894	7470974	7 886	23
38	7241396	8 1041	7319058	8 1031	7396013	8 1022	7472238	8 1012	22
39	7242696	9 1171	7320347	9 1160	7397289	9 1149	7473502	9 1139	21
40	7243996	+1299—	7321635	+1287—	7398565	+1275—	7474765	+1263—	20
41	7245296	1 130	7322923	1 129	7399841	1 128	7476030	1 126	19
42	7246595	2 260	7324211	2 257	7401117	2 255	7477293	2 253	18
43	7247894	3 390	7325498	3 386	7402393	3 383	7478556	3 379	17
44	7249193	4 520	7326786	4 515	7403668	4 510	7479819	4 505	16
45	7250492	5 650	7328073	5 644	7404944	5 638	7481082	5 632	15
46	7251791	6 779	7329369	6 772	7406219	6 765	7482344	6 758	14
47	7253089	7 909	7330647	7 901	7407494	7 893	7483607	7 884	13
48	7254388	8 1039	7331933	8 1030	7408768	8 1020	7484869	8 1010	12
49	7255686	9 1169	7333220	9 1158	7410043	9 1148	7486131	9 1137	11
50	7256984	+1297—	7334506	+1285—	7411317	+1273—	7487393	+1261—	10
51	7258282	1 130	7335792	1 129	7412591	1 127	7488655	1 126	9
52	7259579	2 259	7337078	2 257	7413865	2 255	7489917	2 252	8
53	7260876	3 389	7338364	3 386	7415138	3 382	7491178	3 378	7
54	7262173	4 519	7339649	4 514	7416412	4 509	7492439	4 504	6
55	7263470	5 649	7340935	5 643	7417685	5 637	7493699	5 631	5
56	7264767	6 778	7342220	6 771	7418958	6 764	7494960	6 757	4
57	7266064	7 908	7343505	7 900	7420231	7 891	7496220	7 883	3
58	7267360	8 1038	7344789	8 1028	7421503	8 1018	7497480	8 1009	2
59	7268657	9 1167	7346074	9 1157	7422776	9 1146	7498740	9 1135	1
<i>l</i>	243°	Dif.	242°	Dif.	241°	Dif.	240°	Dif.	<i>l</i>

/	120°		121°		122°		123°		/
	Dif.		Dif.		Dif.		Dif.		
0	7500000		7575191		7649597		7723195		60
1	+1258-		+1246-		+1232-		+1219-		59
2	1	126	1	125	1	123	1	122	58
3	2	252	2	249	2	246	2	244	57
4	3	377	3	374	3	370	3	366	56
5	4	503	4	498	4	493	4	488	55
6	5	629	5	623	5	616	5	610	54
7	6	755	6	748	6	739	6	731	53
8	7	881	7	872	7	862	7	853	52
9	8	1006	8	997	8	986	8	975	51
10	9	1132	9	1121	9	1109	9	1097	
10	7512585		7587647		7661920		7735382		50
11	+1256-		+1243-		+1230-		+1216-		49
12	1	126	1	124	1	123	1	122	48
13	2	251	2	249	2	246	2	243	47
14	3	377	3	373	3	369	3	365	46
15	4	502	4	497	4	492	4	486	45
16	5	628	5	622	5	615	5	608	44
17	6	754	6	746	6	738	6	730	43
18	7	879	7	870	7	861	7	851	42
19	8	1005	8	994	8	984	8	973	41
20	9	1130	9	1119	9	1107	9	1094	
20	7525150		7600081		7674220		7747545		40
21	+1254-		+1241-		+1228-		+1214-		39
22	1	125	1	124	1	123	1	121	38
23	2	251	2	248	2	246	2	243	37
24	3	376	3	372	3	368	3	364	36
25	4	502	4	496	4	491	4	486	35
26	5	627	5	621	5	614	5	607	34
27	6	752	6	745	6	737	6	728	33
28	7	878	7	869	7	860	7	850	32
29	8	1003	8	993	8	982	8	971	31
30	9	1129	9	1117	9	1105	9	1093	
30	7537692		7612493		7686498		7759685		30
31	+1252-		+1239-		+1226-		+1212-		29
32	1	125	1	124	1	123	1	121	28
33	2	250	2	248	2	245	2	242	27
34	3	376	3	372	3	368	3	364	26
35	4	501	4	496	4	490	4	485	25
36	5	626	5	620	5	613	5	606	24
37	6	751	6	743	6	736	6	727	23
38	7	876	7	867	7	858	7	848	22
39	8	1002	8	991	8	981	8	970	21
40	9	1127	9	1115	9	1103	9	1091	
40	7550213		7624883		7698754		7771802		20
41	+1250-		+1237-		+1223-		+1209-		19
42	1	125	1	124	1	122	1	121	18
43	2	250	2	247	2	245	2	242	17
44	3	375	3	371	3	367	3	363	16
45	4	500	4	495	4	489	4	484	15
46	5	625	5	619	5	612	5	605	14
47	6	750	6	742	6	734	6	725	13
48	7	875	7	866	7	856	7	846	12
49	8	1000	8	990	8	978	8	967	11
50	9	1125	9	1113	9	1101	9	1088	
50	7562713		7637251		7710986		7783895		10
51	+1248-		+1235-		+1221-		+1207-		9
52	1	125	1	124	1	122	1	121	8
53	2	250	2	247	2	244	2	241	7
54	3	374	3	371	3	366	3	362	6
55	4	499	4	494	4	488	4	483	5
56	5	624	5	618	5	611	5	604	4
57	6	749	6	741	6	733	6	724	3
58	7	874	7	865	7	855	7	845	2
59	8	998	8	988	8	977	8	966	1
60	9	1123	9	1112	9	1099	9	1085	
/	239°		238°		237°		236°		/
	Dif.		Dif.		Dif.		Dif.		

<i>l</i>	124°	Dif.	125°	Dif.	126°	Dif.	127°	Dif.	<i>l</i>
0	7795965	+1205-	7867882	+1190-	7938927	+1175-	8009075	+1160-	60
1	7797170	1 121	7869074	1 119	7940103	1 118	8010237	1 116	59
2	7798376	2 241	7870265	2 238	7941279	2 235	8011398	2 232	58
3	7799581	3 362	7871456	3 357	7942455	3 353	8012559	3 348	57
4	7800786	4 482	7872646	4 476	7943631	4 470	8013720	4 464	56
5	7801991	5 603	7873836	5 595	7944807	5 588	8014880	5 590	55
6	7803195	6 723	7875026	6 714	7945982	6 705	8016040	6 696	54
7	7804399	7 844	7876216	7 833	7947157	7 823	8017200	7 812	53
8	7805603	8 964	7877406	8 952	7948332	8 940	8018360	8 928	52
9	7806807	9 1085	7878595	9 1071	7949506	9 1058	8019519	9 1044	51
10	7808011	+1202-	7879784	+1188-	7950681	+1173-	8020678	+1158-	50
11	7809214	1 120	7880973	1 119	7951855	1 117	8021837	1 116	49
12	7810417	2 240	7882162	2 238	7953029	2 235	8022996	2 232	48
13	7811620	3 361	7883350	3 356	7954202	3 352	8024154	3 347	47
14	7812822	4 481	7884538	4 475	7955375	4 469	8025312	4 463	46
15	7814025	5 601	7885726	5 594	7956548	5 587	8026470	5 579	45
16	7815227	6 721	7886914	6 713	7957721	6 704	8027628	6 695	44
17	7816429	7 841	7888101	7 832	7958894	7 821	8028785	7 811	43
18	7817630	8 962	7889288	8 950	7960066	8 938	8029942	8 926	42
19	7818832	9 1082	7890475	9 1069	7961238	9 1056	8031099	9 1042	41
20	7820033	+1200-	7891662	+1185-	7962410	+1170-	8032256	+1155-	40
21	7821234	1 120	7892848	1 119	7963581	1 117	8033412	1 116	39
22	7822435	2 240	7894034	2 237	7964753	2 234	8034568	2 231	38
23	7823635	3 360	7895220	3 356	7965924	3 351	8035724	3 347	37
24	7824835	4 480	7896406	4 474	7967095	4 468	8036879	4 462	36
25	7826035	5 600	7897592	5 593	7968265	5 585	8038035	5 578	35
26	7827235	6 720	7898777	6 711	7969436	6 702	8039190	6 693	34
27	7828434	7 840	7899962	7 830	7970606	7 819	8040345	7 809	33
28	7829634	8 960	7901146	8 948	7971775	8 936	8041499	8 924	32
29	7830833	9 1080	7902331	9 1066	7972945	9 1053	8042653	9 1040	31
30	7832031	+1197-	7903515	+1183-	7974114	+1168-	8043807	+1153-	30
31	7833230	1 120	7904699	1 118	7975283	1 117	8044961	1 115	29
32	7834428	2 239	7905883	2 237	7976452	2 234	8046115	2 231	28
33	7835626	3 359	7907066	3 355	7977620	3 350	8047268	3 346	27
34	7836824	4 479	7908249	4 473	7978789	4 467	8048421	4 461	26
35	7838022	5 599	7909432	5 592	7979957	5 584	8049574	5 577	25
36	7839219	6 718	7910615	6 710	7981125	6 701	8050726	6 692	24
37	7840416	7 838	7911798	7 828	7982292	7 818	8051878	7 807	23
38	7841613	8 958	7912980	8 946	7983459	8 934	8053030	8 922	22
39	7842809	9 1077	7914162	9 1065	7984626	9 1051	8054182	9 1038	21
40	7844006	+1195-	7915344	+1180-	7985793	+1165-	8055333	+1150-	20
41	7845202	1 120	7916525	1 118	7986960	1 117	8056484	1 115	19
42	7846398	2 239	7917706	2 236	7988126	2 233	8057635	2 230	18
43	7847593	3 359	7918887	3 354	7989292	3 350	8058786	3 345	17
44	7848789	4 478	7920068	4 472	7990458	4 466	8059937	4 460	16
45	7849984	5 598	7921249	5 590	7991623	5 583	8061087	5 575	15
46	7851179	6 717	7922429	6 708	7992788	6 699	8062237	6 690	14
47	7852374	7 837	7923609	7 826	7993953	7 816	8063386	7 805	13
48	7853568	8 956	7924789	8 944	7995118	8 932	8064536	8 920	12
49	7854762	9 1076	7925968	9 1062	7996283	9 1049	8065685	9 1035	11
50	7855956	+1193-	7927147	+1178-	7997447	+1163-	8066834	+1147-	10
51	7857150	1 119	7928326	1 118	7998611	1 116	8067982	1 115	9
52	7858343	2 239	7929505	2 236	7999775	2 233	8069130	2 229	8
53	7859537	3 358	7930684	3 353	8000938	3 349	8070278	3 344	7
54	7860730	4 477	7931862	4 471	8002101	4 465	8071426	4 459	6
55	7861922	5 597	7933040	5 589	8003264	5 582	8072574	5 574	5
56	7863115	6 716	7934218	6 707	8004427	6 698	8073721	6 688	4
57	7864307	7 835	7935395	7 825	8005589	7 814	8074868	7 803	3
58	7865499	8 954	7936573	8 942	8006752	8 930	8076015	8 918	2
59	7866691	9 1074	7937750	9 1060	8007914	9 1047	8077162	9 1032	1
<i>l</i>	235°	Dif.	234°	Dif.	233°	Dif.	232°	Dif.	<i>l</i>

l	128°	Dif.	129°	Dif.	130°	Dif.	131°	•Dif.	l
0	8078308	+1145-	8146602	+1129-	8213939	+1113-	8280295	+1096-	60
1	8079454	1 115	8147732	1 113	8215053	1 111	8281393	1 110	59
2	8080599	2 229	8148862	2 226	8216166	2 223	8282490	2 219	58
3	8081745	3 344	8149992	3 339	8217280	3 334	8283587	3 329	57
4	8082890	4 458	8151121	4 452	8218393	4 445	8284684	4 438	56
5	8084035	5 573	8152250	5 565	8219506	5 557	8285780	5 548	55
6	8085180	6 687	8153379	6 677	8220618	6 668	8286876	6 658	54
7	8086324	7 802	8154508	7 790	8221731	7 779	8287972	7 767	53
8	8087468	8 916	8155636	8 903	8222843	8 890	8289068	8 877	52
9	8088612	9 1031	8156764	9 1016	8223955	9 1002	8290163	9 986	51
10	8089756	+1142-	8157892	+1126-	8225067	+1110-	8291258	+1093-	50
11	8090899	1 114	8159020	1 113	8226178	1 111	8292353	1 109	49
12	8092042	2 228	8160147	2 225	8227289	2 222	8293448	2 219	48
13	8093185	3 343	8161274	3 338	8228399	3 333	8294542	3 328	47
14	8094328	4 457	8162400	4 450	8229510	4 444	8295636	4 437	46
15	8095470	5 571	8163527	5 563	8230620	5 555	8296729	5 547	45
16	8096612	6 685	8164653	6 676	8231730	6 666	8297823	6 656	44
17	8097754	7 799	8165779	7 788	8232840	7 777	8298916	7 765	43
18	8098895	8 914	8166904	8 901	8233949	8 888	8300009	8 874	42
19	8100037	9 1028	8168030	9 1013	8235058	9 999	8301101	9 984	41
20	8101178	+1139-	8169155	+1124-	8236167	+1107-	8302193	+1091-	40
21	8102318	1 114	8170280	1 112	8237276	1 111	8303285	1 109	39
22	8103459	2 228	8171404	2 225	8238384	2 221	8304377	2 218	38
23	8104599	3 342	8172529	3 337	8239492	3 332	8305468	3 327	37
24	8105739	4 456	8173653	4 450	8240600	4 443	8306559	4 436	36
25	8106879	5 570	8174777	5 562	8241707	5 554	8307650	5 546	35
26	8108018	6 683	8175900	6 674	8242814	6 664	8308741	6 655	34
27	8109157	7 797	8177023	7 787	8243921	7 775	8309831	7 764	33
28	8110296	8 911	8178146	8 899	8245028	8 886	8310921	8 873	32
29	8111435	9 1025	8179269	9 1012	8246134	9 996	8312011	9 982	31
30	8112573	+1137-	8180391	+1121-	8247240	+1105-	8313101	+1088-	30
31	8113711	1 114	8181513	1 112	8248346	1 111	8314190	1 109	29
32	8114849	2 227	8182635	2 224	8249452	2 221	8315279	2 218	28
33	8115987	3 341	8183757	3 336	8250557	3 332	8316367	3 326	27
34	8117124	4 455	8184878	4 448	8251662	4 442	8317456	4 435	26
35	8118261	5 569	8185999	5 561	8252767	5 553	8318544	5 544	25
36	8119398	6 682	8187120	6 673	8253871	6 663	8319631	6 653	24
37	8120535	7 796	8188241	7 785	8254975	7 774	8320719	7 762	23
38	8121671	8 910	8189361	8 897	8256079	8 884	8321806	8 870	22
39	8122807	9 1023	8190481	9 1009	8257183	9 995	8322893	9 979	21
40	8123943	+1134-	8191601	+1118-	8258286	+1102-	8323980	+1085-	20
41	8125078	1 113	8192720	1 112	8259389	1 110	8325066	1 109	19
42	8126213	2 227	8193839	2 224	8260492	2 220	8326152	2 217	18
43	8127348	3 340	8194958	3 335	8261595	3 331	8327238	3 326	17
44	8128483	4 454	8196077	4 447	8262697	4 441	8328323	4 434	16
45	8129618	5 567	8197195	5 559	8263799	5 551	8329409	5 543	15
46	8130752	6 680	8198313	6 671	8264901	6 661	8330494	6 651	14
47	8131886	7 794	8199431	7 783	8266002	7 771	8331578	7 760	13
48	8133019	8 907	8200549	8 894	8267103	8 882	8332663	8 868	12
49	8134153	9 1021	8201666	9 1006	8268204	9 992	8333747	9 977	11
50	8135286	+1132-	8202783	+1116-	8269305	+1099-	8334831	+1082-	10
51	8136419	1 113	8203900	1 112	8270405	1 110	8335914	1 108	9
52	8137551	2 226	8205016	2 223	8271505	2 220	8336997	2 216	8
53	8138683	3 340	8206132	3 335	8272605	3 330	8338080	3 325	7
54	8139815	4 453	8207248	4 446	8273704	4 440	8339163	4 433	6
55	8140947	5 566	8208364	5 558	8274803	5 550	8340246	5 541	5
56	8142079	6 679	8209479	6 670	8275902	6 659	8341328	6 649	4
57	8143210	7 792	8210594	7 781	8277001	7 769	8342409	7 757	3
58	8144341	8 906	8211709	8 893	8278099	8 879	8343491	8 866	2
59	8145472	9 1019	8212824	9 1004	8279197	9 989	8344572	9 974	1
l	231°	Dif.	230°	Dif.	229°	Dif.	228°	Dif.	l

	132°	Dif.	133°	Dif.	134°	Dif.	135°	Dif.	
0	8345653	+1079-	8409992	+1062-	8473292	+1045-	8535534	+1027-	60
1	8346734	1 108	8411055	1 105	8474338	1 105	8536562	1 103	59
2	8347814	2 216	8412118	2 212	8475384	2 209	8537590	2 205	58
3	8348894	3 324	8413181	3 319	8476429	3 314	8538618	3 308	57
4	8349974	4 432	8414244	4 425	8477475	4 418	8539646	4 411	56
5	8351054	5 540	8415307	5 531	8478520	5 522	8540673	5 514	55
6	8352133	6 647	8416369	6 637	8479564	6 627	8541699	6 616	54
7	8353212	7 755	8417431	7 743	8480609	7 732	8542726	7 719	53
8	8354291	8 863	8418492	8 850	8481653	8 836	8543752	8 822	52
9	8355370	9 971	8419554	9 956	8482696	9 941	8544778	9 924	51
10	8356448	+1077-	8420615	+1059-	8483740	+1042-	8545804	+1024-	50
11	8357523	1 108	8421675	1 106	8484783	1 104	8546829	1 102	49
12	8358603	2 215	8422736	2 212	8485826	2 208	8547854	2 205	48
13	8359681	3 323	8423796	3 318	8486868	3 313	8548879	3 307	47
14	8360758	4 431	8424856	4 424	8487911	4 417	8549903	4 410	46
15	8361834	5 539	8425915	5 530	8488953	5 521	8550927	5 512	45
16	8362911	6 646	8426974	6 635	8489994	6 625	8551951	6 614	44
17	8363987	7 754	8428033	7 741	8491036	7 729	8552974	7 717	43
18	8365063	8 862	8429092	8 847	8492077	8 834	8553998	8 819	42
19	8366138	9 869	8430150	9 953	8493117	9 938	8555021	9 922	41
20	8367214	+1074-	8431208	+1056-	8494158	+1039-	8556043	+1021-	40
21	8368289	1 107	8432266	1 106	8495198	1 104	8557065	1 102	39
22	8369364	2 215	8433324	2 211	8496238	2 208	8558087	2 204	38
23	8370438	3 322	8434381	3 317	8497278	3 312	8559109	3 306	37
24	8371512	4 430	8435438	4 422	8498317	4 416	8560130	4 408	36
25	8372586	5 537	8436494	5 528	8499356	5 520	8561151	5 511	35
26	8373660	6 644	8437551	6 634	8500395	6 623	8562172	6 613	34
27	8374733	7 752	8438607	7 739	8501433	7 727	8563193	7 715	33
28	8375806	8 859	8439662	8 845	8502471	8 831	8564213	8 817	32
29	8376879	9 967	8440718	9 950	8503509	9 935	8565233	9 919	31
30	8377951	+1071-	8441773	+1054-	8504547	+1036-	8566253	+1018-	30
31	8379023	1 107	8442828	1 105	8505584	1 104	8567272	1 102	29
32	8380095	2 214	8443882	2 211	8506621	2 207	8568291	2 204	28
33	8381167	3 321	8444937	3 316	8507657	3 311	8569309	3 305	27
34	8382238	4 428	8445991	4 422	8508694	4 414	8570328	4 407	26
35	8383309	5 536	8447045	5 527	8509730	5 518	8571346	5 509	25
36	8384380	6 643	8448098	6 632	8510765	6 622	8572364	6 611	24
37	8385451	7 750	8449151	7 738	8511801	7 725	8573381	7 713	23
38	8386521	8 857	8450204	8 843	8512836	8 829	8574398	8 814	22
39	8387591	9 964	8451256	9 949	8513871	9 932	8575415	9 916	21
40	8388660	+1068-	8452309	+1051-	8514905	+1033-	8576432	+1015-	20
41	8389730	1 107	8453361	1 105	8515940	1 103	8577448	1 102	19
42	8390799	2 214	8454413	2 210	8516974	2 207	8578464	2 203	18
43	8391867	3 320	8455465	3 315	8518007	3 310	8579479	3 305	17
44	8392936	4 427	8456516	4 420	8519041	4 413	8580495	4 406	16
45	8394004	5 534	8457566	5 526	8520074	5 517	8581510	5 508	15
46	8395072	6 641	8458616	6 631	8521107	6 620	8582525	6 609	14
47	8396139	7 748	8459666	7 736	8522139	7 723	8583539	7 711	13
48	8397207	8 854	8460716	8 841	8523171	8 826	8584553	8 812	12
49	8398274	9 961	8461766	9 946	8524203	9 930	8585567	9 914	11
50	8399341	+1065-	8462815	+1048-	8525235	+1030-	8586581	+1012-	10
51	8400407	1 107	8463864	1 105	8526266	1 103	8587594	1 101	9
52	8401473	2 213	8464913	2 210	8527297	2 206	8588607	2 202	8
53	8402539	3 320	8465961	3 314	8528328	3 309	8589619	3 304	7
54	8403605	4 426	8467009	4 419	8529358	4 412	8590632	4 405	6
55	8404670	5 533	8468057	5 524	8530388	5 515	8591644	5 506	5
56	8405735	6 639	8469105	6 629	8531418	6 618	8592655	6 607	4
57	8406800	7 746	8470152	7 734	8532447	7 721	8593667	7 708	3
58	8407864	8 852	8471199	8 838	8533477	8 824	8594678	8 810	2
59	8408928	9 959	8472246	9 943	8534506	9 927	8595689	9 911	1
	227°	Dif.	226°	Dif.	225°	Dif.	224°	Dif.	

<i>i</i>	136°	Dif.	137°	Dif.	138°	Dif.	139°	Dif.	<i>i</i>
0	8596699	+1009-	8656769	+990-	8715724	+972-	8773548	+953-	60
1	8597709	1 101	8657760	1 99	8716697	1 97	8774502	1 95	59
2	8598719	2 202	8658752	2 198	8717670	2 194	8775456	2 191	58
3	8599729	3 303	8659743	3 297	8718643	3 292	8776409	3 286	57
4	8600738	4 404	8660734	4 396	8719615	4 389	8777362	4 381	56
5	8601747	5 505	8661724	5 495	8720587	5 486	8778315	5 477	55
6	8602756	6 605	8662715	6 594	8721558	6 583	8779268	6 572	54
7	8603764	7 706	8663705	7 693	8722529	7 580	8780220	7 667	53
8	8604772	8 807	8664694	8 792	8723500	8 778	8781172	8 762	52
9	8605780	9 908	8665684	9 891	8724471	9 875	8782123	9 858	51
10	8606787	+1006-	8666673	+987-	8725441	+968-	8783074	+949-	50
11	8607794	1 101	8667661	1 99	8726411	1 97	8784025	1 95	49
12	8608801	2 201	8668650	2 197	8727381	2 194	8784976	2 190	48
13	8609808	3 302	8669638	3 296	8728350	3 290	8785926	3 285	47
14	8610814	4 402	8670625	4 395	8729319	4 387	8786876	4 380	46
15	8611820	5 503	8671613	5 494	8730287	5 484	8787825	5 475	45
16	8612826	6 604	8672600	6 592	8731255	6 581	8788774	6 569	44
17	8613831	7 704	8673587	7 691	8732223	7 678	8789723	7 664	43
18	8614836	8 805	8674573	8 790	8733191	8 774	8790672	8 759	42
19	8615841	9 905	8675559	9 888	8734159	9 871	8791620	9 854	41
20	8616845	+1003-	8676545	+985-	8735126	+965-	8792568	+946-	40
21	8617849	1 100	8677531	1 99	8736093	1 97	8793516	1 95	39
22	8618853	2 201	8678516	2 197	8737059	2 193	8794463	2 189	38
23	8619856	3 301	8679501	3 296	8738025	3 290	8795410	3 284	37
24	8620859	4 401	8680486	4 394	8738991	4 386	8796357	4 378	36
25	8621862	5 502	8681470	5 493	8739956	5 483	8797303	5 473	35
26	8622865	6 602	8682454	6 591	8740921	6 579	8798249	6 568	34
27	8623867	7 702	8683438	7 690	8741886	7 676	8799195	7 662	33
28	8624869	8 802	8684421	8 788	8742851	8 772	8800140	8 757	32
29	8625871	9 903	8685404	9 887	8743815	9 869	8801085	9 851	31
30	8626872	+1000-	8686387	+981-	8744779	+962-	8802030	+943-	30
31	8627873	1 100	8687369	1 98	8745743	1 96	8802975	1 94	29
32	8628874	2 200	8688351	2 196	8746706	2 192	8803919	2 189	28
33	8629874	3 300	8689333	3 294	8747669	3 289	8804863	3 283	27
34	8630874	4 400	8690315	4 392	8748632	4 385	8805806	4 377	26
35	8631874	5 500	8691296	5 491	8749594	5 481	8806749	5 472	25
36	8632874	6 600	8692277	6 589	8750556	6 577	8807692	6 566	24
37	8633873	7 700	8693258	7 687	8751518	7 673	8808634	7 660	23
38	8634872	8 800	8694238	8 785	8752479	8 770	8809576	8 754	22
39	8635870	9 900	8695218	9 883	8753440	9 866	8810518	9 849	21
40	8636868	+997-	8696197	+978-	8754401	+959-	8811460	+940-	20
41	8637856	1 100	8697177	1 98	8755361	1 96	8812401	1 94	19
42	8638864	2 199	8698156	2 196	8756321	2 192	8813342	2 188	18
43	8639861	3 299	8699134	3 293	8757281	3 288	8814283	3 282	17
44	8640858	4 398	8700113	4 391	8758240	4 384	8815223	4 376	16
45	8641855	5 499	8701091	5 489	8759199	5 480	8816163	5 470	15
46	8642851	6 598	8702069	6 587	8760158	6 575	8817102	6 564	14
47	8643847	7 698	8703046	7 685	8761117	7 671	8818041	7 658	13
48	8644843	8 798	8704023	8 782	8762075	8 767	8818980	8 752	12
49	8645839	9 897	8705000	9 880	8763033	9 863	8819919	9 846	11
50	8646834	+993-	8705977	+975-	8763990	+956-	8820857	+937-	10
51	8647829	1 99	8706953	1 98	8764947	1 96	8821795	1 94	9
52	8648823	2 199	8707929	2 195	8765904	2 191	8822733	2 187	8
53	8649818	3 298	8708904	3 293	8766861	3 287	8823670	3 281	7
54	8650812	4 397	8709879	4 390	8767817	4 382	8824607	4 375	6
55	8651805	5 497	8710854	5 488	8768773	5 478	8825544	5 469	5
56	8652799	6 596	8711829	6 585	8769729	6 574	8826480	6 562	4
57	8653792	7 695	8712803	7 683	8770684	7 669	8827416	7 656	3
58	8654785	8 794	8713777	8 780	8771639	8 765	8828352	8 750	2
59	8655777	9 894	8714751	9 878	8772594	9 860	8829287	9 843	1
<i>i</i>	223°	Dif.	222°	Dif.	221°	Dif.	220°	Dif.	<i>i</i>

1	140°	Dif.	141°	Dif.	142°	Dif.	143°	Dif.	1
0	8830222	+933—	8885730	+914—	8940054	+894—	8993178	+874—	60
1	8831157	1 93	8886645	1 91	8940949	1 89	8994053	1 87	59
2	8832092	2 187	8887560	2 183	8941844	2 179	8994928	2 175	58
3	8833026	3 280	8888475	3 274	8942739	3 268	8995802	3 262	57
4	8833960	4 373	8889389	4 366	8943633	4 358	8996676	4 350	56
5	8834893	5 467	8890303	5 457	8944527	5 447	8997550	5 437	55
6	8835826	6 560	8891216	6 548	8945421	6 536	8998424	6 524	54
7	8836759	7 654	8892129	7 640	8946314	7 626	8999297	7 612	53
8	8837691	8 746	8893042	8 731	8947207	8 715	9000170	8 699	52
9	8838623	9 840	8893955	9 823	8948100	9 805	9001042	9 787	51
10	8839555	+930—	8894867	+910—	8948992	+890—	9001914	+870—	50
11	8840487	1 93	8895779	1 91	8949884	1 89	9002786	1 87	49
12	8841418	2 186	8896690	2 182	8950776	2 178	9003657	2 174	48
13	8842349	3 279	8897601	3 273	8951667	3 267	9004528	3 261	47
14	8843279	4 372	8898512	4 364	8952558	4 356	9005399	4 348	46
15	8844209	5 465	8899423	5 455	8953448	5 445	9006269	5 435	45
16	8845139	6 558	8900333	6 546	8954338	6 534	9007139	6 522	44
17	8846069	7 651	8901243	7 637	8955228	7 623	9008009	7 609	43
18	8846998	8 744	8902152	8 728	8956118	8 712	9008878	8 696	42
19	8847927	9 837	8903061	9 819	8957007	9 801	9009747	9 783	41
20	8848856	+927—	8903970	+907—	8957896	+887—	9010616	+867—	40
21	8849784	1 93	8904879	1 91	8958785	1 89	9011485	1 87	39
22	8850712	2 185	8905787	2 181	8959673	2 177	9012353	2 173	38
23	8851639	3 278	8906695	3 272	8960561	3 266	9013221	3 260	37
24	8852566	4 371	8907603	4 363	8961449	4 355	9014088	4 347	36
25	8853493	5 464	8908510	5 454	8962336	5 444	9014955	5 434	35
26	8854420	6 556	8909417	6 544	8963223	6 532	9015822	6 520	34
27	8855346	7 649	8910324	7 635	8964109	7 621	9016688	7 607	33
28	8856272	8 742	8911230	8 726	8964995	8 710	9017554	8 694	32
29	8857198	9 834	8912136	9 816	8965881	9 798	9018420	9 780	31
30	8858123	+923—	8913041	+904—	8966767	+884—	9019285	+863—	30
31	8859048	1 92	8913946	1 90	8967652	1 88	9020150	1 86	29
32	8859973	2 185	8914851	2 181	8968537	2 177	9021014	2 173	28
33	8860897	3 277	8915756	3 271	8969422	3 265	9021878	3 259	27
34	8861821	4 369	8916660	4 362	8970306	4 354	9022742	4 345	26
35	8862745	5 462	8917564	5 452	8971190	5 442	9023606	5 432	25
36	8863668	6 554	8918468	6 542	8972073	6 530	9024469	6 518	24
37	8864591	7 646	8919371	7 633	8972956	7 619	9025332	7 604	23
38	8865514	8 738	8920274	8 723	8973839	8 707	9026195	8 690	22
39	8866436	9 831	8921177	9 814	8974722	9 796	9027057	9 777	21
40	8867358	+920—	8922079	+900—	8975604	+880—	9027919	+860—	20
41	8868280	1 92	8922981	1 90	8976486	1 88	9028781	1 86	19
42	8869201	2 184	8923882	2 180	8977368	2 176	9029642	2 172	18
43	8870122	3 276	8924783	3 270	8978249	3 264	9030503	3 258	17
44	8871043	4 368	8925684	4 360	8979130	4 352	9031363	4 344	16
45	8871964	5 460	8926585	5 450	8980010	5 440	9032223	5 430	15
46	8872884	6 552	8927485	6 540	8980890	6 528	9033083	6 516	14
47	8873804	7 644	8928385	7 630	8981770	7 616	9033943	7 602	13
48	8874723	8 736	8929285	8 720	8982650	8 704	9034802	8 688	12
49	8875642	9 828	8930184	9 810	8983529	9 792	9035661	9 774	11
50	8876561	+917—	8931083	+897—	8984408	+877—	9036519	+857—	10
51	8877479	1 92	8931982	1 90	8985286	1 88	9037377	1 86	9
52	8878397	2 183	8932880	2 179	8986164	2 175	9038235	2 171	8
53	8879315	3 275	8933778	3 269	8987042	3 263	9039093	3 257	7
54	8880232	4 367	8934676	4 359	8987920	4 351	9039950	4 343	6
55	8881149	5 459	8935573	5 449	8988797	5 439	9040807	5 429	5
56	8882066	6 550	8936470	6 538	8989674	6 526	9041663	6 514	4
57	8882983	7 642	8937366	7 628	8990550	7 614	9042519	7 600	3
58	8883899	8 734	8938262	8 718	8991426	8 702	9043375	8 686	2
59	8884815	9 825	8939158	9 807	8992302	9 789	9044230	9 771	1
1	219°	Dif.	218°	Dif.	217°	Dif.	216°	Dif.	1

f	144°	Dif.	145°	Dif.	146°	Dif.	147°	Dif.	f
0	9045085	+853-	9095761	+832-	9145188	+812-	9193353	+790-	60
1	9045940	1 85	9096595	1 83	9146001	1 81	9194145	1 79	59
2	9046794	2 171	9097429	2 166	9146814	2 162	9194937	2 158	58
3	9047648	3 256	9098262	3 250	9147626	3 244	9195728	3 237	57
4	9048502	4 341	9099095	4 333	9148438	4 325	9196519	4 316	56
5	9049355	5 427	9099928	5 416	9149250	5 406	9197309	5 395	55
6	9050208	6 512	9100760	6 499	9150062	6 487	9198099	6 474	54
7	9051061	7 597	9101592	7 582	9150873	7 568	9198889	7 553	53
8	9051913	8 682	9102423	8 666	9151684	8 650	9199679	8 632	52
9	9052765	9 768	9103254	9 749	9152494	9 731	9200468	9 711	51
10	9053617	+850-	9104085	+829-	9153304	+808-	9201257	+787-	50
11	9054468	1 85	9104916	1 83	9154114	1 81	9202045	1 79	49
12	9055319	2 170	9105746	2 166	9154923	2 162	9202833	2 157	48
13	9056170	3 255	9106576	3 249	9155732	3 242	9203621	3 236	47
14	9057020	4 340	9107406	4 332	9156540	4 323	9204408	4 315	46
15	9057870	5 425	9108235	5 415	9157348	5 404	9205195	5 394	45
16	9058720	6 510	9109064	6 497	9158156	6 485	9205982	6 472	44
17	9059569	7 595	9109892	7 580	9158964	7 566	9206768	7 551	43
18	9060418	8 680	9110720	8 663	9159771	8 646	9207554	8 630	42
19	9061267	9 765	9111548	9 746	9160578	9 727	9208340	9 708	41
20	9062115	+846-	9112376	+825-	9161384	+804-	9209125	+783-	40
21	9062963	1 85	9113203	1 83	9162190	1 80	9209910	1 78	39
22	9063810	2 169	9114030	2 165	9162996	2 161	9210694	2 157	38
23	9064657	3 254	9114856	3 248	9163801	3 241	9211478	3 235	37
24	9065504	4 338	9115682	4 330	9164606	4 322	9212262	4 313	36
25	9066351	5 423	9116508	5 413	9165411	5 402	9213046	5 392	35
26	9067197	6 508	9117333	6 495	9166215	6 482	9213829	6 470	34
27	9068043	7 592	9118158	7 578	9167019	7 563	9214612	7 548	33
28	9068888	8 677	9118983	8 660	9167823	8 643	9215394	8 626	32
29	9069733	9 761	9119807	9 743	9168626	9 724	9216176	9 705	31
30	9070578	+843-	9120631	+822-	9169429	+801-	9216958	+780-	30
31	9071422	1 84	9121455	1 82	9170232	1 80	9217739	1 78	29
32	9072266	2 169	9122278	2 164	9171034	2 160	9218520	2 156	28
33	9073110	3 253	9123101	3 247	9171836	3 240	9219300	3 234	27
34	9073954	4 337	9123924	4 329	9172638	4 320	9220080	4 312	26
35	9074797	5 422	9124746	5 411	9173439	5 401	9220860	5 390	25
36	9075640	6 506	9125568	6 493	9174240	6 481	9221640	6 468	24
37	9076482	7 590	9126389	7 575	9175040	7 561	9222419	7 546	23
38	9077324	8 674	9127210	8 658	9175840	8 641	9223198	8 624	22
39	9078166	9 759	9128031	9 740	9176640	9 721	9223976	9 702	21
40	9079007	+839-	9128852	+818-	9177439	+797-	9224754	+776-	20
41	9079848	1 84	9129672	1 82	9178238	1 80	9225532	1 78	19
42	9080688	2 168	9130492	2 164	9179037	2 159	9226309	2 155	18
43	9081528	3 252	9131311	3 245	9179835	3 239	9227086	3 233	17
44	9082368	4 336	9132130	4 327	9180633	4 319	9227863	4 310	16
45	9083208	5 420	9132949	5 409	9181431	5 399	9228639	5 388	15
46	9084047	6 503	9133767	6 491	9182228	6 478	9229415	6 466	14
47	9084886	7 587	9134585	7 573	9183025	7 558	9230191	7 543	13
48	9085725	8 671	9135403	8 654	9183822	8 638	9230966	8 621	12
49	9086563	9 755	9136220	9 736	9184618	9 717	9231741	9 698	11
50	9087401	+836-	9137037	+815-	9185414	+794-	9232515	+773-	10
51	9088238	1 84	9137854	1 82	9186209	1 79	9233289	1 77	9
52	9089075	2 167	9138670	2 163	9187004	2 159	9234063	2 155	8
53	9089912	3 251	9139486	3 245	9187799	3 238	9234837	3 232	7
54	9090749	4 334	9140302	4 326	9188594	4 318	9235610	4 309	6
55	9091585	5 418	9141117	5 408	9189388	5 397	9236383	5 387	5
56	9092421	6 502	9141932	6 489	9190182	6 476	9237155	6 464	4
57	9093256	7 585	9142747	7 571	9190975	7 556	9237927	7 541	3
58	9094091	8 669	9143561	8 652	9191768	8 635	9238699	8 618	2
59	9094926	9 752	9144375	9 734	9192561	9 715	9239470	9 696	1
f	215°	Dif.	214°	Dif.	213°	Dif.	212°	Dif.	f

	148°	Dif.	149°	Dif.	150°	Dif.	151°	Dif.	
0	9240241	+769-	9285837	+747-	9330127	+725-	9373099	+703-	60
1	9241011	1 77	9286586	1 75	9330854	1 73	9373804	1 70	59
2	9241781	2 154	9287334	2 149	9331581	2 145	9374508	2 141	58
3	9242551	3 231	9288082	3 224	9332307	3 218	9375212	3 211	57
4	9243321	4 308	9288830	4 299	9333033	4 290	9375916	4 201	56
5	9244090	5 385	9289578	5 374	9333759	5 363	9376620	5 352	55
6	9244859	6 461	9290325	6 448	9334484	6 435	9377323	6 422	54
7	9245627	7 538	9291072	7 523	9335209	7 508	9378026	7 492	53
8	9246395	8 615	9291818	8 598	9335933	8 580	9378728	8 562	52
9	9247163	9 692	9292564	9 672	9336657	9 653	9379430	9 633	51
10	9247930	+765-	9293310	+744-	9337381	+722-	9380132	+699-	50
11	9248697	1 77	9294055	1 74	9338105	1 72	9380833	1 70	49
12	9249464	2 153	9294800	2 149	9338828	2 144	9381534	2 140	48
13	9250230	3 230	9295544	3 223	9339530	3 217	9382234	3 210	47
14	9250996	4 306	9296288	4 298	9340272	4 289	9382934	4 200	46
15	9251761	5 383	9297032	5 372	9340994	5 361	9383634	5 350	45
16	9252526	6 459	9297776	6 446	9341716	6 433	9384333	6 419	44
17	9253291	7 536	9298519	7 521	9342437	7 505	9385032	7 489	43
18	9254056	8 612	9299262	8 595	9343158	8 578	9385731	8 559	42
19	9254820	9 689	9300004	9 670	9343878	9 650	9386429	9 629	41
20	9255584	+763-	9300746	+740-	9344598	+718-	9387127	+696-	40
21	9256347	1 76	9301488	1 74	9345318	1 72	9387825	1 70	39
22	9257110	2 153	9302229	2 148	9346037	2 144	9388522	2 139	38
23	9257873	3 229	9302970	3 222	9346755	3 215	9389219	3 209	37
24	9258635	4 305	9303710	4 296	9347475	4 287	9389915	4 278	36
25	9259397	5 382	9304450	5 370	9348193	5 359	9390611	5 348	35
26	9260158	6 458	9305190	6 444	9348911	6 431	9391307	6 418	34
27	9260919	7 534	9305930	7 518	9349628	7 503	9392002	7 487	33
28	9261680	8 610	9306669	8 592	9350345	8 574	9392697	8 557	32
29	9262441	9 687	9307408	9 666	9351062	9 646	9393392	9 626	31
30	9263201	+759-	9308146	+736-	9351779	+714-	9394086	+692-	30
31	9263961	1 76	9308884	1 74	9352495	1 71	9394780	1 69	29
32	9264720	2 152	9309622	2 147	9353211	2 143	9395473	2 138	28
33	9265479	3 228	9310359	3 221	9353926	3 214	9396166	3 208	27
34	9266238	4 304	9311096	4 294	9354641	4 286	9396859	4 277	26
35	9266996	5 380	9311832	5 368	9355355	5 357	9397551	5 346	25
36	9267754	6 455	9312568	6 442	9356069	6 428	9398243	6 415	24
37	9268512	7 531	9313304	7 515	9356783	7 500	9398935	7 484	23
38	9269269	8 607	9314040	8 589	9357497	8 571	9399626	8 554	22
39	9270025	9 683	9314775	9 662	9358210	9 643	9400317	9 623	21
40	9270782	+755-	9315510	+733-	9358923	+711-	9401007	+688-	20
41	9271538	1 76	9316244	1 73	9359635	1 71	9401697	1 69	19
42	9272294	2 151	9316978	2 147	9360347	2 142	9402387	2 138	18
43	9273050	3 227	9317712	3 220	9361058	3 213	9403076	3 206	17
44	9273805	4 302	9318445	4 293	9361769	4 284	9403765	4 275	16
45	9274560	5 378	9319178	5 367	9362480	5 356	9404454	5 344	15
46	9275314	6 453	9319910	6 440	9363191	6 427	9405142	6 413	14
47	9276068	7 529	9320642	7 513	9363901	7 498	9405830	7 482	13
48	9276822	8 604	9321374	8 586	9364611	8 569	9406518	8 550	12
49	9277575	9 680	9322106	9 660	9365320	9 640	9407205	9 619	11
50	9278328	+751-	9322837	+729-	9366029	+707-	9407892	+685-	10
51	9279080	1 75	9323567	1 73	9366738	1 71	9408578	1 69	9
52	9279832	2 150	9324297	2 146	9367446	2 141	9409264	2 137	8
53	9280584	3 225	9325027	3 219	9368154	3 212	9409949	3 206	7
54	9281336	4 300	9325757	4 292	9368861	4 283	9410634	4 274	6
55	9282087	5 376	9326486	5 365	9369568	5 354	9411319	5 343	5
56	9282838	6 451	9327215	6 437	9370275	6 424	9412004	6 411	4
57	9283588	7 526	9327944	7 510	9370982	7 495	9412688	7 480	3
58	9284338	8 601	9328672	8 583	9371688	8 566	9413372	8 548	2
59	9285088	9 676	9329400	9 656	9372394	9 636	9414055	9 617	1
	211°	Dif.	210°	Dif.	209°	Dif.	208°	Dif.	

1	152°	Dif.	153°	Dif.	154°	Dif.	155°	Dif.	1
0	9414738	+681-	9455033	+658-	9493971	+636-	9531539	+613-	60
1	9415481	1 68	9455693	1 66	9494608	1 64	9532154	1 61	59
2	9416103	2 136	9456353	2 132	9495245	2 127	9532768	2 123	58
3	9416785	3 204	9457012	3 197	9495882	3 191	9533382	3 184	57
4	9417466	4 272	9457671	4 263	9496518	4 254	9533995	4 245	56
5	9418147	5 341	9458330	5 329	9497154	5 318	9534608	5 307	55
6	9418828	6 409	9458988	6 395	9497789	6 382	9535220	6 368	54
7	9419509	7 477	9459646	7 461	9498424	7 445	9535832	7 429	53
8	9420189	8 545	9460303	8 526	9499059	8 509	9536444	8 490	52
9	9420869	9 613	9460960	9 592	9499693	9 572	9537056	9 552	51
10	9421548	+677-	9461617	+655-	9500327	+632-	9537667	+609--	50
11	9422227	1 68	9462273	1 66	9500961	1 63	9538278	1 61	49
12	9422905	2 135	9462929	2 131	9501594	2 126	9538888	2 122	48
13	9423583	3 203	9463585	3 197	9502227	3 190	9539498	3 183	47
14	9424261	4 271	9464240	4 262	9502859	4 253	9540107	4 244	46
15	9424938	5 339	9464895	5 328	9503491	5 316	9540716	5 305	45
16	9425615	6 406	9465549	6 393	9504123	6 379	9541325	6 365	44
17	9426292	7 474	9466203	7 459	9504754	7 442	9541933	7 426	43
18	9426968	8 542	9466857	8 524	9505385	8 506	9542541	8 487	42
19	9427644	9 609	9467511	9 590	9506016	9 569	9543149	9 548	41
20	9428320	+673-	9468164	+651-	9506646	+628-	9543756	+605-	40
21	9428995	1 67	9468816	1 65	9507276	1 63	9544363	1 61	39
22	9429670	2 135	9469468	2 130	9507905	2 126	9544969	2 121	38
23	9430344	3 202	9470120	3 195	9508534	3 188	9545575	3 182	37
24	9431018	4 269	9470771	4 260	9509163	4 251	9546181	4 242	36
25	9431692	5 337	9471422	5 326	9509791	5 314	9546786	5 303	35
26	9432365	6 404	9472073	6 391	9510419	6 377	9547391	6 363	34
27	9433038	7 471	9472723	7 456	9511047	7 440	9547995	7 424	33
28	9433710	8 538	9473373	8 521	9511674	8 502	9548599	8 484	32
29	9434382	9 606	9474023	9 586	9511301	9 565	9549203	9 545	31
30	9435054	+670-	9474672	+647-	9512927	+624-	9549807	+601-	30
31	9435726	1 67	9475321	1 65	9513553	1 62	9550410	1 60	29
32	9436397	2 134	9475969	2 129	9514178	2 125	9551012	2 120	28
33	9437068	3 201	9476617	3 194	9514803	3 187	9551614	3 180	27
34	9437738	4 268	9477265	4 259	9515428	4 250	9552216	4 240	26
35	9438408	5 335	9477912	5 324	9516053	5 312	9552818	5 301	25
36	9439077	6 402	9478559	6 388	9516677	6 374	9553419	6 361	24
37	9439746	7 469	9479206	7 453	9517301	7 437	9554019	7 421	23
38	9440415	8 536	9479852	8 518	9517924	8 499	9554619	8 481	22
39	9441083	9 603	9480498	9 582	9518547	9 562	9555219	9 541	21
40	9441751	+666-	9481143	+643-	9519169	+620-	9555818	+597-	20
41	9442419	1 67	9481788	1 64	9519791	1 62	9556417	1 60	19
42	9443086	2 133	9482432	2 129	9520413	2 124	9557016	2 119	18
43	9443753	3 200	9483076	3 193	9521034	3 186	9557615	3 179	17
44	9444420	4 266	9483720	4 257	9521655	4 248	9558213	4 239	16
45	9445086	5 333	9484364	5 322	9522276	5 310	9558810	5 299	15
46	9445752	6 400	9485007	6 386	9522896	6 372	9559407	6 358	14
47	9446417	7 466	9485650	7 450	9523516	7 434	9560004	7 418	13
48	9447082	8 533	9486292	8 514	9524136	8 496	9560601	8 478	12
49	9447747	9 599	9486934	9 579	9524755	9 558	9561197	9 537	11
50	9448411	+662-	9487576	+640-	9525374	+616-	9561793	+593-	10
51	9449075	1 66	9488217	1 64	9525992	1 62	9562388	1 59	9
52	9449738	2 132	9488858	2 128	9526610	2 123	9562983	2 119	8
53	9450401	3 199	9489498	3 192	9527227	3 185	9563577	3 178	7
54	9451064	4 265	9490138	4 256	9527844	4 246	9564171	4 237	6
55	9451727	5 331	9490778	5 320	9528461	5 308	9564765	5 297	5
56	9452389	6 397	9491417	6 384	9529077	6 370	9565358	6 356	4
57	9453050	7 463	9492056	7 448	9529693	7 431	9565951	7 415	3
58	9453711	8 530	9492695	8 512	9530309	8 493	9566544	8 474	2
59	9454372	9 596	9493333	9 576	9530924	9 554	9567136	9 534	1
1	207°	Dif.	206°	Dif.	205°	Dif.	204°	Dif.	1

/	156°		157°		158°		159°		/
		Dif.		Dif.		Dif.		Dif.	
0	9567728	+590-	9602525	+566-	9635920	+543-	9667902	+519-	60
1	9568319	1 59	9603093	1 57	9636464	1 54	9668423	1 52	59
2	9568910	2 118	9603661	2 113	9637008	2 109	9668944	2 104	58
3	9569501	3 177	9604228	3 170	9637552	3 163	9669464	3 156	57
4	9570091	4 236	9604795	4 226	9638096	4 217	9669984	4 208	56
5	9570681	5 295	9605361	5 283	9638639	5 272	9670504	5 260	55
6	9571270	6 354	9605927	6 340	9639182	6 326	9671023	6 311	54
7	9571859	7 413	9606493	7 396	9639724	7 380	9671541	7 363	53
8	9572448	8 472	9607058	8 453	9640266	8 434	9672059	8 415	52
9	9573036	9 531	9607623	9 509	9640807	9 489	9672577	9 467	51
10	9573624	+586-	9608188	+562-	9641348	+539-	9673095	+515-	50
11	9574211	1 59	9608752	1 56	9641889	1 54	9673612	1 52	49
12	9574798	2 117	9609316	2 112	9642429	2 108	9674129	2 103	48
13	9575385	3 176	9609879	3 169	9642969	3 162	9674645	3 155	47
14	9575972	4 234	9610442	4 225	9643509	4 216	9675161	4 206	46
15	9576558	5 293	9611005	5 281	9644048	5 270	9675676	5 258	45
16	9577143	6 352	9611567	6 337	9644587	6 323	9676191	6 309	44
17	9577728	7 410	9612129	7 393	9645125	7 377	9676706	7 361	43
18	9578313	8 469	9612691	8 450	9645663	8 431	9677220	8 412	42
19	9578898	9 527	9613252	9 506	9646201	9 485	9677734	9 464	41
20	9579482	+582-	9613813	+558-	9646738	+535-	9678248	+511-	40
21	9580065	1 58	9614373	1 56	9647275	1 54	9678761	1 51	39
22	9580648	2 116	9614933	2 112	9647811	2 107	9679274	2 102	38
23	9581231	3 175	9615492	3 167	9648347	3 161	9679786	3 153	37
24	9581814	4 233	9616051	4 223	9648883	4 214	9680298	4 204	36
25	9582396	5 291	9616610	5 279	9649418	5 268	9680809	5 256	35
26	9582978	6 349	9617168	6 335	9649953	6 321	9681320	6 307	34
27	9583559	7 407	9617726	7 391	9650487	7 375	9681831	7 358	33
28	9584140	8 466	9618284	8 446	9651021	8 428	9682342	8 409	32
29	9584721	9 524	9618841	9 502	9651555	9 482	9682852	9 460	31
30	9585301	+578-	9619398	+555-	9652088	+531-	9683361	+507-	30
31	9585881	1 58	9619954	1 56	9652621	1 53	9683870	1 51	29
32	9586460	2 116	9620510	2 111	9653153	2 106	9684379	2 101	28
33	9587039	3 173	9621066	3 167	9653685	3 159	9684887	3 152	27
34	9587617	4 231	9621621	4 222	9654217	4 212	9685395	4 203	26
35	9588195	5 289	9622176	5 278	9654748	5 266	9685903	5 254	25
36	9588773	6 347	9622730	6 333	9655279	6 319	9686410	6 304	24
37	9589351	7 405	9623284	7 389	9655810	7 372	9686917	7 355	23
38	9589928	8 462	9623838	8 444	9656340	8 425	9687423	8 406	22
39	9590505	9 520	9624391	9 500	9656870	9 478	9687929	9 456	21
40	9591081	+574-	9624944	+551-	9657399	+527-	9688435	+503-	20
41	9591657	1 57	9625497	1 55	9657928	1 53	9688940	1 50	19
42	9592232	2 115	9626049	2 110	9658456	2 105	9689445	2 101	18
43	9592807	3 172	9626601	3 165	9658984	3 158	9689949	3 151	17
44	9593382	4 230	9627152	4 220	9659512	4 211	9690453	4 201	16
45	9593956	5 287	9627703	5 276	9660040	5 264	9690957	5 252	15
46	9594530	6 344	9628253	6 331	9660567	6 316	9691460	6 302	14
47	9595104	7 402	9628803	7 386	9661093	7 369	9691963	7 352	13
48	9595677	8 459	9629353	8 441	9661619	8 422	9692465	8 402	12
49	9596250	9 517	9629903	9 496	9662145	9 474	9692967	9 453	11
50	9596822	+570-	9630452	+547-	9662670	+523-	9693469	+499-	10
51	9597394	1 57	9631000	1 55	9663195	1 52	9693970	1 50	9
52	9597966	2 114	9631548	2 109	9663720	2 105	9694471	2 100	8
53	9598537	3 171	9632096	3 164	9664244	3 157	9694972	3 150	7
54	9599108	4 228	9632643	4 219	9664768	4 209	9695472	4 200	6
55	9599678	5 285	9633190	5 274	9665291	5 262	9695971	5 250	5
56	9600248	6 342	9633737	6 328	9665814	6 314	9696470	6 299	4
57	9600818	7 399	9634283	7 383	9666337	7 366	9696969	7 349	3
58	9601387	8 456	9634829	8 438	9666859	8 418	9697468	8 399	2
59	9601956	9 513	9635375	9 492	9667381	9 471	9697966	9 449	1
/	203°	Dif.	202°	Dif.	201°	Dif.	200°	Dif.	/

/	160°	Dif.	161°	Dif.	162°	Dif.	163°	Dif.	/
0	9698463	+495-	9727593	+471-	9755283	+447-	9781524	+423-	60
1	9698960	1 50	9728066	1 47	9755732	1 45	9781949	1 42	59
2	9699457	2 99	9728539	2 94	9756181	2 89	9782374	2 85	58
3	9699954	3 149	9729012	3 141	9756629	3 134	9782798	3 127	57
4	9700450	4 198	9729484	4 188	9757077	4 179	9783222	4 169	56
5	9700946	5 248	9729956	5 236	9757525	5 224	9783645	5 212	55
6	9701441	6 297	9730427	6 283	9757972	6 268	9784068	6 254	54
7	9701936	7 347	9730898	7 330	9758419	7 313	9784491	7 296	53
8	9702430	8 396	9731368	8 377	9758866	8 358	9784913	8 338	52
9	9702924	9 446	9731838	9 424	9759312	9 402	9785335	9 381	51
10	9703418	+491-	9732308	+468-	9759757	+443-	9785756	+419-	50
11	9703911	1 49	9732778	1 47	9760202	1 44	9786177	1 42	49
12	9704404	2 98	9733247	2 94	9760647	2 89	9786598	2 84	48
13	9704897	3 147	9733715	3 140	9761092	3 133	9787018	3 126	47
14	9705389	4 196	9734183	4 187	9761536	4 177	9787438	4 168	46
15	9705880	5 246	9734651	5 234	9761979	5 222	9787857	5 210	45
16	9706371	6 295	9735118	6 281	9762422	6 266	9788276	6 251	44
17	9706862	7 344	9735585	7 328	9762865	7 310	9788695	7 293	43
18	9707353	8 393	9736052	8 374	9763308	8 354	9789113	8 335	42
19	9707843	9 442	9736518	9 421	9763750	9 399	9789531	9 377	41
20	9708333	+487-	9736984	+463-	9764191	+439-	9789948	+415-	40
21	9708822	1 49	9737449	1 46	9764632	1 44	9790365	1 42	39
22	9709311	2 97	9737914	2 93	9765073	2 88	9790781	2 83	38
23	9709800	3 146	9738378	3 139	9765514	3 132	9791197	3 125	37
24	9710288	4 195	9738842	4 185	9765954	4 176	9791613	4 166	36
25	9710775	5 244	9739306	5 232	9766393	5 220	9792028	5 208	35
26	9711262	6 292	9739769	6 278	9766832	6 263	9792443	6 249	34
27	9711749	7 341	9740232	7 324	9767271	7 307	9792858	7 291	33
28	9712236	8 390	9740695	8 370	9767709	8 351	9793272	8 332	32
29	9712722	9 438	9741157	9 417	9768147	9 395	9793686	9 374	31
30	9713208	+483-	9741619	+459-	9768585	+435-	9794099	+411-	30
31	9713693	1 48	9742080	1 46	9769022	1 44	9794512	1 41	29
32	9714178	2 97	9742541	2 92	9769459	2 87	9794924	2 82	28
33	9714663	3 145	9743001	3 138	9769895	3 131	9795336	3 123	27
34	9715147	4 193	9743461	4 184	9770331	4 174	9795748	4 164	26
35	9715630	5 242	9743921	5 230	9770767	5 218	9796159	5 206	25
36	9716113	6 290	9744380	6 275	9771202	6 261	9796570	6 247	24
37	9716596	7 338	9744839	7 321	9771637	7 305	9796981	7 288	23
38	9717079	8 386	9745298	8 367	9772071	8 348	9797391	8 329	22
39	9717561	9 435	9745756	9 413	9772505	9 392	9797800	9 370	21
40	9718043	+479-	9746214	+455-	9772938	+431-	9798209	+407-	20
41	9718524	1 48	9746671	1 46	9773371	1 43	9798618	1 41	19
42	9719005	2 96	9747128	2 91	9773804	2 86	9799027	2 81	18
43	9719486	3 144	9747584	3 137	9774236	3 129	9799435	3 122	17
44	9719966	4 192	9748040	4 182	9774668	4 172	9799842	4 163	16
45	9720446	5 240	9748496	5 228	9775100	5 216	9800249	5 204	15
46	9720925	6 287	9748951	6 273	9775531	6 259	9800656	6 244	14
47	9721404	7 335	9749406	7 319	9775962	7 302	9801063	7 285	13
48	9721882	8 383	9749861	8 364	9776392	8 345	9801469	8 326	12
49	9722360	9 431	9750315	9 410	9776822	9 388	9801874	9 366	11
50	9722838	+475-	9750768	+451-	9777251	+427-	9802279	+403-	10
51	9723315	1 48	9751221	1 45	9777680	1 43	9802684	1 40	9
52	9723792	2 95	9751674	2 90	9778109	2 85	9803089	2 81	8
53	9724269	3 143	9752127	3 135	9778537	3 128	9803493	3 121	7
54	9724745	4 190	9752579	4 180	9778965	4 171	9803896	4 161	6
55	9725221	5 238	9753031	5 226	9779393	5 214	9804299	5 202	5
56	9725696	6 285	9753482	6 271	9779820	6 256	9804702	6 242	4
57	9726171	7 333	9753933	7 316	9780247	7 299	9805104	7 282	3
58	9726645	8 380	9754383	8 361	9780673	8 342	9805506	8 322	2
59	9727119	9 428	9754833	9 406	9781099	9 384	9805908	9 363	1
/	199°	Dif.	198°	Dif.	197°	Dif.	196°	Dif.	/

	164°	Dif.	165°	Dif.	166°	Dif.	167°	Dif.	
0	9806309	+399-	9829329	+374-	9851479	+350-	9871851	+325-	60
1	9806710	1 40	9830005	1 37	9851831	1 35	9872178	1 33	59
2	9807110	2 80	9830381	2 75	9852182	2 70	9872504	2 65	58
3	9807510	3 120	9830757	3 112	9852533	3 105	9872830	3 98	57
4	9807909	4 160	9831132	4 150	9852883	4 140	9873156	4 130	56
5	9808308	5 200	9831506	5 187	9853233	5 175	9873481	5 163	55
6	9808707	6 239	9831880	6 224	9853583	6 210	9873806	6 195	54
7	9809105	7 279	9832254	7 262	9853932	7 245	9874131	7 228	53
8	9809503	8 319	9832628	8 299	9854281	8 280	9874455	8 260	52
9	9809900	9 359	9833001	9 337	9854629	9 315	9874779	9 293	51
10	9810297	+395-	9833373	+370-	9854977	+346-	9875102	+321-	50
11	9810694	1 40	9833745	1 37	9855325	1 35	9875425	1 32	49
12	9811090	2 79	9834117	2 74	9855672	2 69	9875747	2 64	48
13	9811486	3 119	9834488	3 111	9856019	3 104	9876069	3 96	47
14	9811882	4 158	9834859	4 148	9856365	4 138	9876391	4 128	46
15	9812277	5 198	9835230	5 185	9856711	5 173	9876712	5 161	45
16	9812671	6 237	9835600	6 222	9857056	6 208	9877033	6 193	44
17	9813065	7 277	9835970	7 259	9857401	7 242	9877353	7 225	43
18	9813459	8 316	9836339	8 296	9857746	8 277	9877673	8 257	42
19	9813852	9 356	9836708	9 333	9858090	9 311	9877993	9 289	41
20	9814245	+391-	9837076	+366-	9858434	+342-	9878312	+317-	40
21	9814638	1 39	9837444	1 37	9858777	1 34	9878631	1 32	39
22	9815030	2 78	9837812	2 73	9859120	2 68	9878949	2 63	38
23	9815422	3 117	9838179	3 110	9859463	3 103	9879267	3 95	37
24	9815813	4 156	9838546	4 146	9859805	4 137	9879584	4 127	36
25	9816204	5 196	9838913	5 183	9860147	5 171	9879901	5 159	35
26	9816595	6 235	9839279	6 220	9860488	6 205	9880218	6 190	34
27	9816985	7 274	9839644	7 256	9860829	7 239	9880534	7 222	33
28	9817375	8 313	9840009	8 293	9861170	8 274	9880850	8 254	32
29	9817764	9 352	9840374	9 329	9861510	9 308	9881165	9 285	31
30	9818153	+387-	9840738	+362-	9861850	+337-	9881480	+313-	30
31	9818541	1 39	9841102	1 36	9862189	1 34	9881795	1 31	29
32	9818929	2 77	9841466	2 72	9862528	2 67	9882109	2 63	28
33	9819317	3 116	9841829	3 109	9862867	3 101	9882423	3 94	27
34	9819704	4 155	9842192	4 145	9863205	4 135	9882736	4 125	26
35	9820091	5 194	9842554	5 181	9863542	5 169	9883049	5 157	25
36	9820477	6 232	9842916	6 217	9863879	6 202	9883362	6 188	24
37	9820863	7 271	9843278	7 253	9864216	7 236	9883674	7 219	23
38	9821249	8 310	9843639	8 290	9864553	8 270	9883986	8 250	22
39	9821634	9 348	9843999	9 326	9864889	9 303	9884297	9 282	21
40	9822019	+383-	9844359	+358-	9865224	+333-	9884608	+309-	20
41	9822403	1 38	9844719	1 36	9865559	1 33	9884918	1 31	19
42	9822787	2 77	9845079	2 72	9865894	2 67	9885228	2 62	18
43	9823171	3 115	9845438	3 107	9866229	3 100	9885538	3 93	17
44	9823554	4 153	9845797	4 143	9866563	4 133	9885847	4 124	16
45	9823937	5 192	9846155	5 179	9866896	5 167	9886156	5 155	15
46	9824319	6 230	9846513	6 215	9867229	6 200	9886464	6 185	14
47	9824701	7 268	9846870	7 251	9867562	7 233	9886772	7 216	13
48	9825083	8 306	9847227	8 286	9867895	8 266	9887080	8 247	12
49	9825464	9 345	9847584	9 322	9868227	9 300	9887387	9 278	11
50	9825845	+378-	9847940	+354-	9868558	+329-	9887694	+304-	10
51	9826225	1 38	9848296	1 35	9868889	1 33	9888000	1 30	9
52	9826605	2 76	9848651	2 71	9869220	2 66	9888306	2 61	8
53	9826984	3 113	9849006	3 106	9869550	3 99	9888611	3 91	7
54	9827363	4 151	9849360	4 142	9869880	4 132	9888916	4 122	6
55	9827742	5 189	9849714	5 177	9870210	5 165	9889221	5 152	5
56	9828120	6 227	9850068	6 212	9870539	6 197	9889525	6 182	4
57	9828498	7 265	9850421	7 248	9870867	7 230	9889829	7 213	3
58	9828876	8 302	9850774	8 283	9871195	8 263	9890133	8 243	2
59	9829253	9 340	9851127	9 319	9871523	9 296	9890436	9 274	1
	195°	Dif.	194°	Dif.	193°	Dif.	192°	Dif.	

<i>l</i>	168°	Dif.	169°	Dif.	170°	Dif.	171°	Dif.	<i>l</i>
0	9890738	+300—	9908136	+275—	9924039	+250—	9938442	+225—	60
1	9891040	1 30	9908413	1 28	9924291	1 25	9938669	1 23	59
2	9891342	2 60	9908690	2 55	9924543	2 50	9938896	2 45	58
3	9891644	3 90	9908967	3 83	9924795	3 75	9939123	3 68	57
4	9891945	4 120	9909243	4 110	9925046	4 100	9939349	4 90	56
5	9892245	5 150	9909519	5 138	9925297	5 125	9939574	5 113	55
6	9892545	6 180	9909794	6 165	9925547	6 150	9939799	6 135	54
7	9892845	7 210	9910069	7 193	9925797	7 175	9940024	7 158	53
8	9893144	8 240	9910343	8 220	9926046	8 200	9940249	8 180	52
9	9893443	9 270	9910617	9 248	9926295	9 225	9940473	9 203	51
10	9893742	+296—	9910891	+271—	9926544	+246—	9940696	+221—	50
11	9894040	1 30	9911164	1 27	9926792	1 25	9940919	1 22	49
12	9894337	2 59	9911437	2 54	9927040	2 49	9941142	2 44	48
13	9894634	3 89	9911709	3 81	9927287	3 74	9941364	3 66	47
14	9894931	4 118	9911981	4 108	9927534	4 98	9941586	4 88	46
15	9895228	5 148	9912252	5 136	9927781	5 123	9941808	5 111	45
16	9895524	6 178	9912523	6 163	9928027	6 148	9942029	6 133	44
17	9895819	7 207	9912794	7 190	9928272	7 172	9942249	7 155	43
18	9896114	8 237	9913064	8 217	9928517	8 197	9942469	8 177	42
19	9896409	9 266	9913334	9 244	9928762	9 221	9942689	9 199	41
20	9896703	+292—	9913603	+267—	9929007	+242—	9942909	+217—	40
21	9896997	1 29	9913872	1 27	9929251	1 24	9943128	1 22	39
22	9897291	2 58	9914141	2 53	9929494	2 48	9943346	2 43	38
23	9897584	3 88	9914409	3 80	9929737	3 73	9943564	3 65	37
24	9897877	4 117	9914677	4 107	9929980	4 97	9943782	4 87	36
25	9898169	5 146	9914944	5 134	9930223	5 121	9943999	5 109	35
26	9898461	6 175	9915211	6 160	9930465	6 145	9944216	6 130	34
27	9898752	7 204	9915478	7 187	9930706	7 169	9944433	7 152	33
28	9899043	8 234	9915744	8 214	9930947	8 194	9944649	8 174	32
29	9899334	9 263	9916010	9 240	9931188	9 218	9944864	9 195	31
30	9899624	+288—	9916275	+263—	9931428	+238—	9945079	+213—	30
31	9899914	1 29	9916540	1 26	9931668	1 24	9945294	1 21	29
32	9900203	2 58	9916804	2 53	9931908	2 48	9945509	2 43	28
33	9900492	3 86	9917068	3 79	9932147	3 71	9945723	3 64	27
34	9900780	4 115	9917332	4 105	9932385	4 95	9945936	4 85	26
35	9901068	5 144	9917595	5 132	9932623	5 119	9946149	5 107	25
36	9901356	6 173	9917858	6 158	9932861	6 143	9946362	6 128	24
37	9901643	7 202	9918120	7 184	9933098	7 167	9946574	7 149	23
38	9901930	8 230	9918382	8 210	9933335	8 190	9946786	8 170	22
39	9902217	9 259	9918643	9 237	9933572	9 214	9946997	9 192	21
40	9902503	+284—	9918904	+259—	9933808	+234—	9947208	+209—	20
41	9902788	1 28	9919165	1 26	9934044	1 23	9947419	1 21	19
42	9903073	2 57	9919425	2 52	9934279	2 47	9947629	2 42	18
43	9903358	3 85	9919685	3 78	9934514	3 70	9947839	3 63	17
44	9903643	4 114	9919945	4 104	9934748	4 94	9948048	4 84	16
45	9903927	5 142	9920204	5 130	9934982	5 117	9948257	5 105	15
46	9904210	6 170	9920462	6 155	9935216	6 140	9948466	6 125	14
47	9904493	7 199	9920720	7 181	9935449	7 164	9948674	7 146	13
48	9904776	8 227	9920978	8 207	9935682	8 187	9948881	8 167	12
49	9905058	9 256	9921236	9 233	9935914	9 211	9949088	9 188	11
50	9905340	+280—	9921493	+255—	9936146	+230—	9949295	+204—	10
51	9905622	1 28	9921749	1 26	9936377	1 23	9949502	1 20	9
52	9905903	2 56	9922005	2 51	9936608	2 46	9949708	2 41	8
53	9906184	3 84	9922261	3 77	9936839	3 69	9949913	3 61	7
54	9906464	4 112	9922516	4 102	9937069	4 92	9950118	4 82	6
55	9906744	5 140	9922771	5 128	9937299	5 115	9950323	5 102	5
56	9907023	6 168	9923025	6 153	9937529	6 138	9950527	6 122	4
57	9907302	7 196	9923279	7 179	9937758	7 161	9950731	7 143	3
58	9907580	8 224	9923533	8 204	9937986	8 184	9950935	8 163	2
59	9907858	9 252	9923786	9 230	9938214	9 207	9951138	9 184	1
<i>l</i>	191°	Dif.	190°	Dif.	189°	Dif.	188°	Dif.	<i>l</i>

i	172°	Dif.	173°	Dif.	174°	Dif.	175°	Dif.	i
0	9951340	+200-	9962731	+175-	9972609	+150-	9980974	+125-	60
1	9951542	1 20	9962908	1 18	9972761	1 15	9981100	1 13	59
2	9951744	2 40	9963085	2 35	9972913	2 30	9981226	2 25	58
3	9951946	3 60	9963261	3 53	9973064	3 45	9981352	3 38	57
4	9952147	4 80	9963437	4 70	9973214	4 60	9981477	4 50	56
5	9952347	5 100	9963612	5 88	9973364	5 75	9981602	5 63	55
6	9952547	6 120	9963787	6 105	9973514	6 90	9981727	6 75	54
7	9952747	7 140	9963961	7 123	9973663	7 105	9981851	7 88	53
8	9952946	8 160	9964135	8 140	9973812	8 120	9981974	8 100	52
9	9953145	9 180	9964309	9 158	9973961	9 135	9982097	9 113	51
10	9953344	+196-	9964482	+171-	9974109	+146-	9982220	+120-	50
11	9953542	1 20	9964655	1 17	9974256	1 15	9982343	1 12	49
12	9953739	2 39	9964828	2 34	9974403	2 29	9982465	2 24	48
13	9953936	3 59	9965000	3 51	9974550	3 44	9982586	3 36	47
14	9954133	4 78	9965171	4 68	9974697	4 58	9982707	4 48	46
15	9954330	5 98	9965342	5 86	9974843	5 73	9982828	5 60	45
16	9954526	6 118	9965513	6 103	9974988	6 88	9982948	6 72	44
17	9954721	7 137	9965683	7 120	9975133	7 102	9983068	7 84	43
18	9954916	8 157	9965853	8 137	9975278	8 117	9983187	8 96	42
19	9955111	9 176	9966023	9 154	9975422	9 131	9983306	9 108	41
20	9955305	+192-	9966192	+167-	9975566	+141-	9983425	+116-	40
21	9955499	1 19	9966361	1 17	9975710	1 14	9983543	1 12	39
22	9955692	2 38	9966529	2 33	9975853	2 28	9983661	2 23	38
23	9955885	3 58	9966697	3 50	9975995	3 42	9983778	3 35	37
24	9956078	4 77	9966864	4 67	9976137	4 56	9983895	4 46	36
25	9956270	5 96	9967031	5 84	9976279	5 71	9984011	5 58	35
26	9956462	6 115	9967198	6 100	9976420	6 85	9984127	6 70	34
27	9956653	7 134	9967364	7 117	9976561	7 99	9984243	7 81	33
28	9956844	8 154	9967529	8 134	9976702	8 113	9984358	8 93	32
29	9957035	9 173	9967694	9 150	9976842	9 127	9984473	9 104	31
30	9957225	+188-	9967859	+163-	9976981	+137-	9984587	+112-	30
31	9957414	1 19	9968024	1 16	9977120	1 14	9984701	1 11	29
32	9957603	2 38	9968188	2 33	9977259	2 27	9984814	2 22	28
33	9957792	3 56	9968351	3 49	9977397	3 41	9984927	3 34	27
34	9957981	4 75	9968514	4 65	9977535	4 55	9985040	4 45	26
35	9958169	5 94	9968677	5 82	9977673	5 69	9985152	5 56	25
36	9958356	6 113	9968840	6 98	9977810	6 82	9985264	6 67	24
37	9958543	7 132	9969002	7 114	9977947	7 96	9985375	7 78	23
38	9958730	8 150	9969163	8 130	9978083	8 110	9985486	8 90	22
39	9958916	9 169	9969324	9 147	9978219	9 123	9985597	9 101	21
40	9959102	+183-	9969485	+158-	9978354	+133-	9985707	+108-	20
41	9959287	1 18	9969645	1 16	9978489	1 13	9985817	1 11	19
42	9959472	2 37	9969805	2 32	9978624	2 27	9985926	2 22	18
43	9959657	3 55	9969964	3 47	9978758	3 40	9986035	3 32	17
44	9959841	4 73	9970123	4 63	9978892	4 53	9986143	4 43	16
45	9960025	5 92	9970282	5 79	9979025	5 67	9986251	5 54	15
46	9960208	6 110	9970440	6 95	9979158	6 80	9986359	6 65	14
47	9960391	7 128	9970598	7 111	9979290	7 93	9986466	7 76	13
48	9960574	8 146	9970755	8 126	9979422	8 106	9986573	8 86	12
49	9960756	9 165	9970912	9 142	9979554	9 120	9986679	9 97	11
50	9960937	+179-	9971068	+154-	9979685	+129-	9986785	+103-	10
51	9961118	1 18	9971224	1 15	9979816	1 13	9986890	1 10	9
52	9961299	2 36	9971380	2 31	9979946	2 26	9986995	2 21	8
53	9961480	3 54	9971535	3 46	9980076	3 39	9987100	3 31	7
54	9961660	4 72	9971690	4 62	9980206	4 52	9987204	4 41	6
55	9961839	5 90	9971844	5 77	9980335	5 65	9987308	5 52	5
56	9962018	6 107	9971998	6 92	9980463	6 77	9987411	6 62	4
57	9962197	7 125	9972152	7 108	9980591	7 90	9987514	7 72	3
58	9962376	8 143	9972305	8 123	9980719	8 103	9987616	8 82	2
59	9962554	9 161	9972457	9 139	9980847	9 116	9987718	9 93	1
i	187°	Dif.	186°	Dif.	185°	Dif.	184°	Dif.	i

/	176°	Dif.	177°	Dif.	178°	Dif.	179°	Dif.	/
0	9987820	+99-	9993147	+74-	9996954	+49-	9999239	+23-	60
1	9987921	1 10	9993223	1 7	9997005	1 5	9999264	1 2	59
2	9988022	2 20	9993299	2 15	9997055	2 10	9999289	2 5	58
3	9988123	3 30	9993374	3 22	9997105	3 15	9999313	3 7	57
4	9988223	4 40	9993449	4 30	9997154	4 20	9999337	4 9	56
5	9988322	5 50	9993523	5 37	9997203	5 25	9999360	5 12	55
6	9988421	6 59	9993597	6 44	9997252	6 29	9999383	6 14	54
7	9988520	7 69	9993670	7 52	9997300	7 34	9999406	7 16	53
8	9988618	8 79	9993743	8 59	9997347	8 39	9999428	8 18	52
9	9988716	9 89	9993816	9 67	9997394	9 44	9999450	9 21	51
10	9988814	+95-	9993888	+70-	9997441	+44-	9999471	+19-	50
11	9988911	1 10	9993960	1 7	9997487	1 4	9999492	1 2	49
12	9989007	2 19	9994031	2 14	9997533	2 9	9999513	2 4	48
13	9989103	3 29	9994102	3 21	9997579	3 13	9999533	3 6	47
14	9989199	4 38	9994172	4 28	9997624	4 18	9999553	4 8	46
15	9989295	5 48	9994242	5 35	9997668	5 22	9999572	5 10	45
16	9989390	6 57	9994312	6 42	9997712	6 26	9999591	6 11	44
17	9989484	7 67	9994381	7 49	9997756	7 31	9999609	7 13	43
18	9989578	8 76	9994450	8 56	9997799	8 35	9999627	8 15	42
19	9989672	9 86	9994518	9 63	9997842	9 40	9999645	9 17	41
20	9989765	+91-	9994586	+65-	9997885	+40-	9999662	+15-	40
21	9989858	1 9	9994653	1 7	9997927	1 4	9999679	1 2	39
22	9989950	2 18	9994720	2 13	9997969	2 8	9999695	2 3	38
23	9990042	3 27	9994787	3 20	9998010	3 12	9999711	3 5	37
24	9990134	4 36	9994853	4 26	9998051	4 16	9999726	4 6	36
25	9990225	5 46	9994919	5 33	9998091	5 20	9999741	5 8	35
26	9990316	6 55	9994984	6 39	9998131	6 24	9999756	6 9	34
27	9990406	7 64	9995049	7 46	9998171	7 28	9999770	7 11	33
28	9990496	8 73	9995114	8 52	9998210	8 32	9999784	8 12	32
29	9990585	9 82	9995178	9 59	9998249	9 36	9999797	9 14	31
30	9990674	+87-	9995241	+61-	9998287	+36-	9999810	+11-	30
31	9990763	1 9	9995304	1 6	9998325	1 4	9999822	1 1	29
32	9990851	2 17	9995367	2 12	9998362	2 7	9999834	2 2	28
33	9990939	3 26	9995430	3 18	9998399	3 11	9999846	3 3	27
34	9991026	4 35	9995492	4 24	9998436	4 14	9999857	4 4	26
35	9991113	5 44	9995553	5 31	9998472	5 18	9999868	5 6	25
36	9991199	6 52	9995614	6 37	9998508	6 22	9999878	6 7	24
37	9991285	7 61	9995675	7 43	9998543	7 25	9999888	7 8	23
38	9991371	8 70	9995735	8 49	9998578	8 29	9999898	8 9	22
39	9991456	9 78	9995795	9 55	9998612	9 32	9999907	9 10	21
40	9991541	+81-	9995855	+57-	9998646	+32-	9999916		20
41	9991625	1 8	9995914	1 6	9998680	1 3	9999924		19
42	9991709	2 16	9995972	2 11	9998713	2 6	9999932		18
43	9991793	3 24	9996030	3 17	9998746	3 10	9999939		17
44	9991876	4 32	9996088	4 23	9998778	4 13	9999946		16
45	9991959	5 41	9996145	5 29	9998810	5 16	9999953		15
46	9992041	6 49	9996202	6 34	9998842	6 19	9999959		14
47	9992123	7 57	9996259	7 40	9998873	7 22	9999965		13
48	9992204	8 65	9996315	8 46	9998904	8 26	9999970		12
49	9992285	9 73	9996371	9 51	9998934	9 29	9999975		11
50	9992366	+78-	9996426	+53-	9998964	+27-	9999979		10
51	9992446	1 8	9996481	1 5	9998993	1 3	9999983		9
52	9992526	2 16	9996535	2 11	9999022	2 5	9999987		8
53	9992605	3 23	9996589	3 16	9999051	3 8	9999990		7
54	9992684	4 31	9996642	4 21	9999079	4 11	9999993		6
55	9992762	5 39	9996695	5 27	9999107	5 14	9999995		5
56	9992840	6 47	9996748	6 32	9999134	6 16	9999997		4
57	9992918	7 55	9996800	7 37	9999161	7 19	9999998		3
58	9992995	8 62	9996852	8 42	9999187	8 22	9999999		2
59	9993071	9 70	9996903	9 48	9999213	9 24	10000000		1
/	183°	Dif.	182°	Dif.	181°	Dif.	180°	Dif.	/

A	M	A	M	A	M	B	N	B	N
25/6	0,0263.8	31/6	0,0334.6	37/6	0,0406.2	± 1,0	±0,000001	±61,0	±0,000075
25,7	265.0	31,7	335.7	37,7	407.4	2,0	02	62,0	076
25,8	266.2	31,8	336.9	37,8	408.6	3,0	04	63,0	078
25,9	267.4	31,9	338.1	37,9	409.8	4,0	05	64,0	079
26,0	268.5	32,0	339.3	38,0	411.0	5,0	06	65,0	080
26,1	269.7	32,1	340.5	38,1	412.3	6,0	07	66,0	081
26,2	270.9	32,2	341.7	38,2	413.5	7,0	09	67,0	083
26,3	272.0	32,3	342.9	38,3	414.7	8,0	10	68,0	084
26,4	273.2	32,4	344.1	38,4	415.9	9,0	11	69,0	085
26,5	274.4	32,5	345.2	38,5	417.1	10,0	12	70,0	086
26,6	275.6	32,6	346.4	38,6	418.3	11,0	14	71,0	087
26,7	276.7	32,7	347.6	38,7	419.5	12,0	15	72,0	089
26,8	277.9	32,8	348.8	38,8	420.7	13,0	16	73,0	090
26,9	279.1	32,9	350.0	38,9	421.9	14,0	17	74,0	091
27,0	280.3	33,0	351.2	39,0	423.1	15,0	18	75,0	092
27,1	281.4	33,1	352.4	39,1	424.3	16,0	20	76,0	094
27,2	282.6	33,2	353.6	39,2	425.5	17,0	21	77,0	095
27,3	283.8	33,3	354.8	39,3	426.7	18,0	22	78,0	096
27,4	285.0	33,4	355.9	39,4	427.9	19,0	23	79,0	097
27,5	286.1	33,5	357.1	39,5	429.1	20,0	25	80,0	099
27,6	287.3	33,6	358.3	39,6	430.4	21,0	26	81,0	100
27,7	288.5	33,7	359.5	39,7	431.6	22,0	27	82,0	101
27,8	289.7	33,8	360.7	39,8	432.8	23,0	28	83,0	102
27,9	290.8	33,9	361.9	39,9	434.0	24,0	30	84,0	103
28,0	292.0	34,0	363.1	40,0	435.2	25,0	31	85,0	105
28,1	293.2	34,1	364.3	40,1	436.4	26,0	32	86,0	106
28,2	294.4	34,2	365.5	40,2	437.6	27,0	33	87,0	107
28,3	295.5	34,3	366.7	40,3	438.8	28,0	34	88,0	108
28,4	296.7	34,4	367.9	40,4	440.0	29,0	36	89,0	110
28,5	297.9	34,5	369.1	40,5	441.2	30,0	37	90,0	111
28,6	299.1	34,6	370.3	40,6	442.5	31,0	38	91,0	112
28,7	300.3	34,7	371.5	40,7	443.7	32,0	39	92,0	113
28,8	301.4	34,8	372.7	40,8	444.9	33,0	41	93,0	115
28,9	302.6	34,9	373.9	40,9	446.1	34,0	42	94,0	116
29,0	303.8	35,0	375.1	41,0	447.3	35,0	43	95,0	117
29,1	305.0	35,1	376.2	41,1	448.5	36,0	44	96,0	118
29,2	306.2	35,2	377.4	41,2	449.7	37,0	46	97,0	120
29,3	307.3	35,3	378.6	41,3	450.9	38,0	47	98,0	121
29,4	308.5	35,4	379.8	41,4	452.1	39,0	48	99,0	122
29,5	309.7	35,5	381.0	41,5	453.4	40,0	49	100,0	123
29,6	310.9	35,6	382.2	41,6	454.6	41,0	51	101,0	124
29,7	312.1	35,7	383.4	41,7	455.8	42,0	52	102,0	125
29,8	313.2	35,8	384.6	41,8	457.0	43,0	53	103,0	127
29,9	314.4	35,9	385.8	41,9	458.2	44,0	54	104,0	128
30,0	315.6	36,0	387.0	42,0	459.4	45,0	55	105,0	129
30,1	316.8	36,1	388.2	42,1	460.6	46,0	57	106,0	130
30,2	318.0	36,2	389.4	42,2	461.9	47,0	58	107,0	132
30,3	319.2	36,3	390.6	42,3	463.1	48,0	59	108,0	133
30,4	320.3	36,4	391.8	42,4	464.3	49,0	60	109,0	134
30,5	321.5	36,5	393.0	42,5	465.5	50,0	62	110,0	136
30,6	322.7	36,6	394.2	42,6	466.7	51,0	63	111,0	137
30,7	323.9	36,7	395.4	42,7	467.9	52,0	64	112,0	138
30,8	325.1	36,8	396.6	42,8	469.2	53,0	65	113,0	140
30,9	326.3	36,9	397.8	42,9	470.4	54,0	67	114,0	141
31,0	327.4	37,0	399.0	43,0	471.6	55,0	68	115,0	142
31,1	328.6	37,1	400.2	43,1	472.8	56,0	69	116,0	143
31,2	329.8	37,2	401.4	43,2	474.0	57,0	70	117,0	144
31,3	331.0	37,3	402.6	43,3	475.3	58,0	71	118,0	146
31,4	332.2	37,4	403.8	43,4	476.5	59,0	73	119,0	147
31,5	333.4	37,5	405.0	43,5	477.7	60,0	74	120,0	148

Os BB tem o signal dos argumentos correspondentes.

B	0,0	5,0	10,0	15,0	20,0	25,0	30,0	35,0	40,0	45,0	50,0	55,0
0,0	0'00	2'88	5'76	8'64	11'52	14'40	17'28	20'16	23'04	25'92	28'80	31'68
0,1	0,06	2,94	5,82	8,70	11,58	14,46	17,34	20,22	23,10	25,98	28,86	31,74
0,2	0,12	3,00	5,88	8,76	11,64	14,52	17,40	20,28	23,16	26,04	28,92	31,80
0,3	0,17	3,05	5,93	8,81	11,69	14,57	17,45	20,33	23,21	26,09	28,97	31,85
0,4	0,23	3,11	5,99	8,87	11,75	14,63	17,51	20,39	23,27	26,15	29,03	31,91
0,5	0,29	3,17	6,05	8,93	11,81	14,69	17,57	20,45	23,33	26,21	29,09	31,97
0,6	0,35	3,23	6,11	8,99	11,87	14,75	17,63	20,51	23,39	26,27	29,15	32,03
0,7	0,40	3,28	6,16	9,04	11,92	14,80	17,68	20,56	23,44	26,32	29,20	32,08
0,8	0,46	3,34	6,22	9,10	11,98	14,86	17,74	20,62	23,50	26,38	29,26	32,14
0,9	0,52	3,40	6,28	9,16	12,04	14,92	17,80	20,68	23,56	26,44	29,32	32,20
1,0	0,58	3,46	6,34	9,22	12,10	14,98	17,86	20,74	23,62	26,50	29,38	32,26
1,1	0,63	3,51	6,39	9,27	12,15	15,03	17,91	20,79	23,67	26,55	29,43	32,31
1,2	0,69	3,57	6,45	9,33	12,21	15,09	17,97	20,85	23,73	26,61	29,49	32,37
1,3	0,75	3,63	6,51	9,39	12,27	15,15	18,03	20,91	23,79	26,67	29,55	32,43
1,4	0,81	3,69	6,57	9,45	12,33	15,21	18,09	20,97	23,85	26,73	29,61	32,49
1,5	0,86	3,74	6,62	9,50	12,38	15,26	18,14	21,02	23,90	26,78	29,66	32,54
1,6	0,92	3,80	6,68	9,56	12,44	15,32	18,20	21,08	23,96	26,84	29,72	32,60
1,7	0,98	3,86	6,74	9,62	12,50	15,38	18,26	21,14	24,02	26,90	29,78	32,66
1,8	1,04	3,92	6,80	9,68	12,56	15,44	18,32	21,20	24,08	26,96	29,84	32,72
1,9	1,09	3,97	6,85	9,73	12,61	15,49	18,37	21,25	24,13	27,01	29,89	32,77
2,0	1,15	4,03	6,91	9,79	12,67	15,55	18,43	21,31	24,19	27,07	29,95	32,83
2,1	1,21	4,09	6,97	9,85	12,73	15,61	18,49	21,37	24,25	27,13	30,01	32,89
2,2	1,27	4,15	7,03	9,91	12,79	15,67	18,55	21,43	24,31	27,19	30,07	32,95
2,3	1,32	4,20	7,08	9,96	12,84	15,72	18,60	21,48	24,36	27,24	30,12	33,00
2,4	1,38	4,26	7,14	10,02	12,90	15,78	18,66	21,54	24,42	27,30	30,18	33,06
2,5	1,44	4,32	7,20	10,08	12,96	15,84	18,72	21,60	24,48	27,36	30,24	33,12
2,6	1,50	4,38	7,26	10,14	13,02	15,90	18,78	21,66	24,54	27,42	30,30	33,18
2,7	1,56	4,44	7,32	10,20	13,08	15,96	18,84	21,72	24,60	27,48	30,36	33,24
2,8	1,61	4,49	7,37	10,25	13,13	16,01	18,89	21,77	24,65	27,53	30,41	33,29
2,9	1,67	4,55	7,43	10,31	13,19	16,07	18,95	21,83	24,71	27,59	30,47	33,35
3,0	1,73	4,61	7,49	10,37	13,25	16,13	19,01	21,89	24,77	27,65	30,53	33,41
3,1	1,79	4,67	7,55	10,43	13,31	16,19	19,07	21,95	24,83	27,71	30,59	33,47
3,2	1,84	4,72	7,60	10,48	13,36	16,24	19,12	22,00	24,88	27,76	30,64	33,52
3,3	1,90	4,78	7,66	10,54	13,42	16,30	19,18	22,06	24,94	27,82	30,70	33,58
3,4	1,96	4,84	7,72	10,60	13,48	16,36	19,24	22,12	25,00	27,88	30,76	33,64
3,5	2,02	4,90	7,78	10,66	13,54	16,42	19,30	22,18	25,06	27,94	30,82	33,70
3,6	2,07	4,95	7,83	10,71	13,59	16,47	19,35	22,23	25,11	27,99	30,87	33,75
3,7	2,13	5,01	7,89	10,77	13,65	16,53	19,41	22,29	25,17	28,05	30,93	33,81
3,8	2,19	5,07	7,95	10,83	13,71	16,59	19,47	22,35	25,23	28,11	30,99	33,87
3,9	2,25	5,13	8,01	10,89	13,77	16,65	19,53	22,41	25,29	28,17	31,05	33,93
4,0	2,30	5,18	8,06	10,94	13,82	16,70	19,58	22,46	25,34	28,22	31,10	33,98
4,1	2,36	5,24	8,12	11,00	13,88	16,76	19,64	22,52	25,40	28,28	31,16	34,04
4,2	2,42	5,30	8,18	11,06	13,94	16,82	19,70	22,58	25,46	28,34	31,22	34,10
4,3	2,48	5,36	8,24	11,12	14,00	16,88	19,76	22,64	25,52	28,40	31,28	34,16
4,4	2,53	5,41	8,29	11,17	14,05	16,93	19,81	22,69	25,57	28,45	31,33	34,21
4,5	2,59	5,47	8,35	11,23	14,11	16,99	19,87	22,75	25,63	28,51	31,39	34,27
4,6	2,65	5,53	8,41	11,29	14,17	17,05	19,93	22,81	25,69	28,57	31,45	34,33
4,7	2,71	5,59	8,47	11,35	14,23	17,11	19,99	22,87	25,75	28,63	31,51	34,39
4,8	2,76	5,64	8,52	11,40	14,28	17,16	20,04	22,92	25,80	28,68	31,56	34,44
4,9	2,82	5,70	8,58	11,46	14,34	17,22	20,10	22,98	25,86	28,74	31,62	34,50

Os BB tem o signal dos argumentos correspondentes.

B	60,0	65,0	70,0	75,0	80,0	85,0	90,0	95,0	100,0	105,0	110,0	115,0
0,0	34'56	37'44	40'32	43'20	46'08	48'96	51'84	54'72	57'60	60'48	63'36	66'24
0,1	34,62	37,50	40,38	43,26	46,14	49,02	51,90	54,78	57,66	60,54	63,42	66,30
0,2	34,68	37,56	40,44	43,32	46,20	49,08	51,96	54,84	57,72	60,60	63,48	66,36
0,3	34,73	37,61	40,49	43,37	46,25	49,13	52,01	54,89	57,77	60,65	63,53	66,41
0,4	34,79	37,67	40,55	43,43	46,31	49,19	52,07	54,95	57,83	60,71	63,59	66,47
0,5	34,85	37,73	40,61	43,49	46,37	49,25	52,13	55,01	57,89	60,77	63,65	66,53
0,6	34,91	37,79	40,67	43,55	46,43	49,31	52,19	55,07	57,95	60,83	63,71	66,59
0,7	34,96	37,84	40,72	43,60	46,48	49,36	52,24	55,12	58,00	60,88	63,76	66,64
0,8	35,02	37,90	40,78	43,66	46,54	49,42	52,30	55,18	58,06	60,94	63,82	66,70
0,9	35,08	37,96	40,84	43,72	46,60	49,48	52,36	55,24	58,12	61,00	63,88	66,76
1,0	35,14	38,02	40,90	43,78	46,66	49,54	52,42	55,30	58,18	61,06	63,94	66,82
1,1	35,19	38,07	40,95	43,83	46,71	49,59	52,47	55,35	58,23	61,11	63,99	66,87
1,2	35,25	38,13	41,01	43,89	46,77	49,65	52,53	55,41	58,29	61,17	64,05	66,93
1,3	35,31	38,19	41,07	43,95	46,83	49,71	52,59	55,47	58,35	61,23	64,11	66,99
1,4	35,37	38,25	41,13	44,01	46,89	49,77	52,65	55,53	58,41	61,29	64,17	67,05
1,5	35,42	38,30	41,18	44,06	46,94	49,82	52,70	55,58	58,46	61,34	64,22	67,10
1,6	35,48	38,36	41,24	44,12	47,00	49,88	52,76	55,64	58,52	61,40	64,28	67,16
1,7	35,54	38,42	41,30	44,18	47,06	49,94	52,82	55,70	58,58	61,46	64,34	67,22
1,8	35,60	38,48	41,36	44,24	47,12	50,00	52,88	55,76	58,64	61,52	64,40	67,28
1,9	35,65	38,53	41,41	44,29	47,17	50,05	52,93	55,81	58,69	61,57	64,45	67,33
2,0	35,71	38,59	41,47	44,35	47,23	50,11	52,99	55,87	58,75	61,63	64,51	67,39
2,1	35,77	38,65	41,53	44,41	47,29	50,17	53,05	55,93	58,81	61,69	64,57	67,45
2,2	35,83	38,71	41,59	44,47	47,35	50,23	53,11	55,99	58,87	61,75	64,63	67,51
2,3	35,88	38,76	41,64	44,52	47,40	50,28	53,16	56,04	58,92	61,80	64,68	67,56
2,4	35,94	38,82	41,70	44,58	47,46	50,34	53,22	56,10	58,98	61,86	64,74	67,62
2,5	36,00	38,88	41,76	44,64	47,52	50,40	53,28	56,16	59,04	61,92	64,80	67,68
2,6	36,06	38,94	41,82	44,70	47,58	50,46	53,34	56,22	59,10	61,97	64,86	67,74
2,7	36,12	39,00	41,88	44,76	47,64	50,52	53,40	56,28	59,16	62,03	64,92	67,80
2,8	36,17	39,05	41,93	44,81	47,69	50,57	53,45	56,33	59,21	62,09	64,97	67,85
2,9	36,23	39,11	41,99	44,87	47,75	50,63	53,51	56,39	59,27	62,15	65,03	67,91
3,0	36,29	39,17	42,05	44,93	47,81	50,69	53,57	56,45	59,33	62,21	65,09	67,97
3,1	36,35	39,23	42,11	44,99	47,87	50,75	53,63	56,51	59,39	62,27	65,15	68,03
3,2	36,40	39,28	42,16	45,04	47,92	50,80	53,68	56,56	59,44	62,32	65,20	68,08
3,3	36,46	39,34	42,22	45,10	47,98	50,86	53,74	56,62	59,50	62,38	65,26	68,14
3,4	36,52	39,40	42,28	45,16	48,04	50,92	53,80	56,68	59,56	62,44	65,32	68,20
3,5	36,58	39,46	42,34	45,22	48,10	50,98	53,86	56,74	59,62	62,50	65,38	68,26
3,6	36,63	39,51	42,39	45,27	48,15	51,03	53,91	56,79	59,67	62,55	65,43	68,31
3,7	36,69	39,57	42,45	45,33	48,21	51,09	53,97	56,85	59,73	62,61	65,49	68,37
3,8	36,75	39,63	42,51	45,39	48,27	51,15	54,03	56,91	59,79	62,67	65,55	68,43
3,9	36,81	39,69	42,57	45,45	48,33	51,21	54,09	56,97	59,85	62,73	65,61	68,49
4,0	36,86	39,74	42,62	45,50	48,38	51,26	54,14	57,02	59,90	62,78	65,66	68,54
4,1	36,92	39,80	42,68	45,56	48,44	51,32	54,20	57,08	59,96	62,84	65,72	68,60
4,2	36,98	39,86	42,74	45,62	48,50	51,38	54,26	57,14	60,02	62,90	65,78	68,66
4,3	37,04	39,92	42,80	45,68	48,56	51,44	54,32	57,20	60,08	62,96	65,84	68,72
4,4	37,09	39,97	42,85	45,73	48,61	51,49	54,37	57,25	60,13	63,01	65,89	68,78
4,5	37,15	40,03	42,91	45,79	48,67	51,55	54,43	57,31	60,19	63,07	65,95	68,83
4,6	37,21	40,09	42,97	45,85	48,73	51,61	54,49	57,37	60,25	63,13	66,01	68,89
4,7	37,27	40,15	43,03	45,91	48,79	51,67	54,55	57,43	60,31	63,19	66,07	68,95
4,8	37,32	40,20	43,08	45,96	48,84	51,72	54,60	57,48	60,36	63,24	66,12	69,01
4,9	37,38	40,26	43,14	46,02	48,90	51,78	54,66	57,54	60,42	63,30	66,18	69,06

TABOA IV.

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As diferenças desta taboa são para 0,0000001

Log. m	Log. R	Dif.	Log. m	Log. R	Dif.	Log. m	Log. R	Dif.
8,682	9,9582019	—	8,745	9,9516649	—	9,035	9,9054800	—
8,683	9,9581054	0,0965	8,746	9,9515533	0,1116	9,036	9,9052604	0,2196
8,684	9,9580087	0,0967	8,747	9,9514414	0,1119	9,037	9,9050403	0,2201
8,685	9,9579118	0,0969	8,748	9,9513292	0,1122	9,038	9,9048197	0,2206
8,686	9,9578147	0,0971	8,749	9,9512167	0,1125	9,039	9,9045985	0,2212
8,687	9,9577173	0,0974	8,750	9,9511040	0,1127	9,040	9,9043767	0,2218
8,688	9,9576197	0,0976	8,751	9,9509910	0,1130	9,041	9,9041544	0,2223
8,689	9,9575219	0,0978	8,752	9,9508777	0,1133	9,042	9,9039316	0,2228
8,690	9,9574239	0,0980	8,753	9,9507642	0,1135	9,043	9,9037083	0,2233
8,691	9,9573257	0,0982	8,754	9,9506505	0,1137	9,044	9,9034845	0,2238
8,692	9,9572272	0,0985	8,755	9,9505365	0,1140	9,045	9,9032602	0,2243
8,693	9,9571285	0,0987	8,756	9,9504222	0,1143	9,046	9,9030354	0,2248
8,694	9,9570296	0,0989				9,047	9,9028100	0,2254
8,695	9,9569304	0,0992	8,985	9,9158274	—	9,048	9,9025841	0,2259
8,696	9,9568310	0,0994	8,986	9,9156321	0,1953	9,049	9,9023576	0,2265
8,697	9,9567313	0,0997	8,987	9,9154364	0,1957	9,050	9,9021306	0,2270
8,698	9,9566314	0,0999	8,988	9,9152402	0,1962	9,051	9,9019030	0,2276
8,699	9,9565313	0,1001	8,989	9,9150436	0,1966	9,052	9,9016749	0,2281
8,700	9,9564309	0,1004	8,990	9,9148465	0,1971	9,053	9,9014463	0,2286
8,701	9,9563303	0,1006	8,991	9,9146489	0,1976	9,054	9,9012172	0,2291
8,702	9,9562294	0,1009	8,992	9,9144509	0,1980	9,055	9,9009875	0,2297
8,703	9,9561283	0,1011	8,993	9,9142524	0,1985	9,056	9,9007573	0,2302
8,704	9,9560270	0,1013	8,994	9,9140534	0,1990	9,057	9,9005265	0,2308
8,705	9,9559255	0,1015	8,995	9,9138540	0,1994	9,058	9,9002952	0,2313
8,706	9,9558237	0,1018	8,996	9,9136541	0,1999	9,059	9,9000633	0,2319
8,707	9,9557217	0,1020	8,997	9,9134537	0,2004			
8,708	9,9556194	0,1023	8,998	9,9132529	0,2008	9,2550	9,8420329	0,372
8,709	9,9555169	0,1025	8,999	9,9130516	0,2013	9,2555	9,8418469	0,372
8,710	9,9554142	0,1027	9,000	9,9128498	0,2018	9,2560	9,8416607	0,373
8,711	9,9553113	0,1029	9,001	9,9126476	0,2022	9,2565	9,8414743	0,373
8,712	9,9552081	0,1032	9,002	9,9124449	0,2027	9,2570	9,8412876	0,373
8,713	9,9551047	0,1034	9,003	9,9122417	0,2032	9,2575	9,8411007	0,374
8,714	9,9550010	0,1037	9,004	9,9120380	0,2037	9,2580	9,8409136	0,374
8,715	9,9548970	0,1040	9,005	9,9118338	0,2042	9,2585	9,8407262	0,375
8,716	9,9547928	0,1042	9,006	9,9116291	0,2047	9,2590	9,8405386	0,375
8,717	9,9546884	0,1044	9,007	9,9114240	0,2051	9,2595	9,8403508	0,376
8,718	9,9545838	0,1046	9,008	9,9112184	0,2056	9,2600	9,8401627	0,376
8,719	9,9544789	0,1049	9,009	9,9110123	0,2061	9,2605	9,8399744	0,377
8,720	9,9543738	0,1051	9,010	9,9108057	0,2066	9,2610	9,8397858	0,377
8,721	9,9542684	0,1054	9,011	9,9105986	0,2071	9,2615	9,8395970	0,378
8,722	9,9541628	0,1056	9,012	9,9103910	0,2076	9,2620	9,8394080	0,378
8,723	9,9540569	0,1059	9,013	9,9101829	0,2081	9,2625	9,8392188	0,379
8,724	9,9539508	0,1061	9,014	9,9099744	0,2085	9,2630	9,8390294	0,379
8,725	9,9538445	0,1063	9,015	9,9097654	0,2090	9,2635	9,8388397	0,380
8,726	9,9537379	0,1066	9,016	9,9095559	0,2095	9,2640	9,8386498	0,380
8,727	9,9536310	0,1069	9,017	9,9093459	0,2100	9,2645	9,8384596	0,381
8,728	9,9535239	0,1071	9,018	9,9091354	0,2105	9,2650	9,8382691	0,381
8,729	9,9534166	0,1073	9,019	9,9089244	0,2110	9,2655	9,8380784	0,382
8,730	9,9533090	0,1076	9,020	9,9087129	0,2115	9,2660	9,8378875	0,382
8,731	9,9532012	0,1078	9,021	9,9085009	0,2120	9,2665	9,8376964	0,383
8,732	9,9530931	0,1081	9,022	9,9082884	0,2125	9,2670	9,8375051	0,383
8,733	9,9529848	0,1083	9,023	9,9080754	0,2130	9,2675	9,8373135	0,384
8,734	9,9528762	0,1086	9,024	9,9078619	0,2135	9,2680	9,8371217	0,384
8,735	9,9527673	0,1089	9,025	9,9076479	0,2140	9,2685	9,8369296	0,385
8,736	9,9526582	0,1091	9,026	9,9074334	0,2145	9,2690	9,8367373	0,385
8,737	9,9525488	0,1094	9,027	9,9072184	0,2150	9,2695	9,8365447	0,386
8,738	9,9524392	0,1096	9,028	9,9070029	0,2155	9,2700	9,8363519	0,386
8,739	9,9523294	0,1098	9,029	9,9067869	0,2160	9,2705	9,8361589	0,387
8,740	9,9522193	0,1101	9,030	9,9065704	0,2165	9,2710	9,8359656	0,387
8,741	9,9521089	0,1104	9,031	9,9063534	0,2170	9,2715	9,8357721	0,387
8,742	9,9519982	0,1107	9,032	9,9061358	0,2176	9,2720	9,8355784	0,388
8,743	9,9518873	0,1109	9,033	9,9059177	0,2181	9,2725	9,8353844	0,388
8,744	9,9517762	0,1111	9,034	9,9056991	0,2186	9,2730	9,8351902	0,389
		0,1113			0,2191			

As diferenças desta taboa são para 0,0000001

Log. m	Log. R	Dif.	Log. m	Log. R	Dif.	Log. m	Log. R	Dif.
9,2735	9,8349957	0,389	9,3050	9,8222465	0,421	9,4965	9,7180279	0,696
9,2740	9,8348010	0,390	9,3055	9,8220360	0,422	9,4970	9,7176797	0,697
9,2745	9,8346061	0,390	9,3060	9,8218252	0,422	9,4975	9,7173312	0,698
9,2750	9,8344109	0,391	9,3065	9,8216141	0,423	9,4980	9,7169821	0,699
9,2755	9,8342155	0,391	9,3070	9,8214028	0,423	9,4985	9,7166325	0,700
9,2760	9,8340198	0,392	9,3075	9,8211912	0,424	9,4990	9,7162824	0,701
9,2765	9,8338239	0,392	9,3080	9,8209793	0,424	9,4995	9,7159318	0,702
9,2770	9,8336278	0,393	9,3085	9,8207671	0,425	9,5000	9,7155806	0,703
9,2775	9,8334314	0,393	9,3090	9,8205547	0,425	9,5005	9,7152289	0,704
9,2780	9,8332348	0,394	9,3095	9,8203421	0,426	9,5010	9,7148768	0,705
9,2785	9,8330379	0,394	9,3100	9,8201292	0,426	9,5015	9,7145242	0,706
9,2790	9,8328408	0,395	9,3105	9,8199160	0,427	9,5020	9,7141711	0,707
9,2795	9,8326435	0,395	9,3110	9,8197025	0,427	9,5025	9,7138176	0,708
9,2800	9,8324459	0,396	9,3115	9,8194887	0,428	9,5030	9,7134635	0,709
9,2805	9,8322481	0,396	9,3120	9,8192747	0,428	9,5035	9,7131089	0,710
9,2810	9,8320500	0,397	9,3125	9,8190605	0,428	9,5040	9,7127538	0,711
9,2815	9,8318517	0,397	9,3130	9,8188460	0,429	9,5045	9,7123982	0,712
9,2820	9,8316531	0,398	9,3135	9,8186312	0,430	9,5050	9,7120420	0,713
9,2825	9,8314543	0,398	9,3140	9,8184161	0,431	9,5055	9,7116854	0,714
9,2830	9,8312552	0,399	9,3145	9,8182008	0,431	9,5060	9,7113283	0,715
9,2835	9,8310558	0,399	9,3150	9,8179852	0,432	9,5065	9,7109707	0,716
9,2840	9,8308562	0,400	9,3155	9,8177693	0,432	9,5070	9,7106126	0,717
9,2845	9,8306564	0,400	9,3160	9,8175531	0,433	9,5075	9,7102540	0,718
9,2850	9,8304564	0,401	9,3165	9,8173367	0,433	9,5080	9,7098948	0,719
9,2855	9,8302561	0,401	9,3170	9,8171200	0,433	9,5085	9,7095351	0,720
9,2860	9,8300555	0,402				9,5090	9,7091749	0,721
9,2865	9,8298547	0,402	9,4780	9,7305746	0,662	9,5095	9,7088142	0,722
9,2870	9,8296537	0,403	9,4785	9,7302438	0,662	9,5100	9,7084531	0,723
9,2875	9,8294524	0,403	9,4790	9,7299126	0,663	9,5105	9,7080914	0,724
9,2880	9,8292508	0,404	9,4795	9,7295810	0,664	9,5110	9,7077292	0,725
9,2885	9,8290490	0,404	9,4800	9,7292491	0,665	9,5115	9,7073665	0,726
9,2890	9,8288469	0,405	9,4805	9,7289166	0,665	9,5120	9,7070033	0,728
9,2895	9,8286446	0,405	9,4810	9,7285836	0,667	9,5125	9,7066395	0,729
9,2900	9,8284421	0,406	9,4815	9,7282502	0,668	9,5130	9,7062752	0,730
9,2905	9,8282393	0,406	9,4820	9,7279164	0,669	9,5135	9,7059104	0,731
9,2910	9,8280362	0,407	9,4825	9,7275820	0,670	9,5140	9,7055451	0,732
9,2915	9,8278329	0,407	9,4830	9,7272470	0,671	9,5145	9,7051793	0,733
9,2920	9,8276294	0,408	9,4835	9,7269118	0,672	9,5150	9,7048129	0,734
9,2925	9,8274256	0,408	9,4840	9,7265760	0,673	9,5155	9,7044461	0,735
9,2930	9,8272215	0,409	9,4845	9,7262397	0,673	9,5160	9,7040787	0,736
9,2935	9,8270171	0,409	9,4850	9,7259030	0,674	9,5165	9,7037108	0,737
9,2940	9,8268125	0,410	9,4855	9,7255659	0,675	9,5170	9,7033424	0,738
9,2945	9,8266077	0,410	9,4860	9,7252283	0,676	9,5175	9,7029733	0,739
9,2950	9,8264026	0,411	9,4865	9,7248902	0,677	9,5180	9,7026038	0,740
9,2955	9,8261973	0,411	9,4870	9,7245516	0,678	9,5185	9,7022337	0,741
9,2960	9,8259916	0,412	9,4875	9,7242125	0,679	9,5190	9,7018631	0,742
9,2965	9,8257857	0,412	9,4880	9,7238730	0,680	9,5195	9,7014919	0,743
9,2970	9,8255796	0,413	9,4885	9,7235330	0,681	9,5200	9,7011202	0,744
9,2975	9,8253733	0,413	9,4890	9,7231925	0,682	9,5205	9,7007481	0,745
9,2980	9,8251667	0,414	9,4895	9,7228515	0,683	9,5210	9,7003754	0,746
9,2985	9,8249598	0,414	9,4900	9,7225100	0,684	9,5215	9,7000022	0,747
9,2990	9,8247526	0,415	9,4905	9,7221682	0,685	9,5220	9,6996285	0,749
9,2995	9,8245452	0,415	9,4910	9,7218259	0,686	9,5225	9,6992540	0,750
9,3000	9,8243375	0,416	9,4915	9,7214831	0,687	9,5230	9,6988791	0,751
9,3005	9,8241296	0,416	9,4920	9,7211398	0,688	9,5235	9,6985036	0,752
9,3010	9,8239214	0,417	9,4925	9,7207959	0,689	9,5240	9,6981276	0,753
9,3015	9,8237130	0,417	9,4930	9,7204516	0,690	9,5245	9,6977511	0,754
9,3020	9,8235043	0,418	9,4935	9,7201068	0,691	9,5250	9,6973742	0,755
9,3025	9,8232953	0,418	9,4940	9,7197615	0,692	9,5255	9,6969966	0,756
9,3030	9,8230861	0,419	9,4945	9,7194157	0,692	9,5260	9,6966184	0,757
9,3035	9,8228765	0,419	9,4950	9,7190695	0,693	9,5265	9,6962397	0,758
9,3040	9,8226667	0,420	9,4955	9,7187228	0,694	9,5270	9,6958605	0,759
9,3045	9,8224567	0,420	9,4960	9,7183756	0,695	9,5275	9,6954809	0,761

TABELA IV.

As diferenças desta tabela são para 0,0000001

Log. m	Log. R	Dif.	Log. m	Log. R	Dif.	Log. m	Log. R	Dif.
9,5280	9,6951006	—	9,5595	9,6699835	—	9,5910	9,6423746	—
9,5285	9,6947197	0,762	9,5600	9,6695655	0,836	9,5915	9,6419144	0,920
9,5290	9,6943383	0,763	9,5605	9,6691470	0,837	9,5920	9,6414535	0,922
9,5295	9,6939564	0,764	9,5610	9,6687278	0,838	9,5925	9,6409917	0,924
9,5300	9,6935737	0,765	9,5615	9,6683080	0,840	9,5930	9,6405293	0,925
9,5305	9,6931906	0,766	9,5620	9,6678876	0,841	9,5935	9,6400661	0,926
9,5310	9,6928070	0,767	9,5625	9,6674666	0,842	9,5940	9,6396022	0,928
9,5315	9,6924228	0,768	9,5630	9,6670450	0,843	9,5945	9,6391376	0,929
9,5320	9,6920381	0,769	9,5635	9,6666227	0,845	9,5950	9,6386724	0,930
9,5325	9,6916528	0,771	9,5640	9,6661998	0,846	9,5955	9,6382064	0,932
9,5330	9,6912669	0,772	9,5645	9,6657763	0,847	9,5960	9,6377396	0,934
9,5335	9,6908805	0,773	9,5650	9,6653519	0,849	9,5965	9,6372721	0,935
9,5340	9,6904935	0,774	9,5655	9,6649270	0,850	9,5970	9,6368039	0,936
9,5345	9,6901059	0,775	9,5660	9,6645014	0,851	9,5975	9,6363348	0,938
9,5350	9,6897179	0,776	9,5665	9,6640752	0,852	9,5980	9,6358651	0,939
9,5355	9,6893292	0,777	9,5670	9,6636484	0,854	9,5985	9,6353947	0,941
9,5360	9,6889400	0,778	9,5675	9,6632211	0,855	9,5990	9,6349235	0,942
9,5365	9,6885502	0,780	9,5680	9,6627930	0,856	9,5995	9,6344515	0,944
9,5370	9,6881598	0,781	9,5685	9,6623643	0,857	9,6000	9,6339787	0,946
9,5375	9,6877688	0,782	9,5690	9,6619349	0,859	9,6005	9,6335052	0,947
9,5380	9,6873772	0,783	9,5695	9,6615048	0,860	9,6010	9,6330310	0,948
9,5385	9,6869851	0,784	9,5700	9,6610741	0,861	9,6015	9,6325560	0,950
9,5390	9,6865924	0,787	9,5705	9,6606427	0,863	9,6020	9,6320802	0,952
9,5395	9,6861991	0,788	9,5710	9,6602107	0,864	9,6025	9,6316038	0,953
9,5400	9,6858053	0,788	9,5715	9,6597780	0,865	9,6030	9,6311265	0,955
9,5405	9,6854109	0,789	9,5720	9,6593446	0,867	9,6035	9,6306485	0,956
9,5410	9,6850159	0,790	9,5725	9,6589107	0,868	9,6040	9,6301697	0,958
9,5415	9,6846203	0,791	9,5730	9,6584760	0,869	9,6045	9,6296901	0,959
9,5420	9,6842241	0,792	9,5735	9,6580407	0,871	9,6050	9,6292100	0,960
9,5425	9,6838276	0,793	9,5740	9,6576047	0,872	9,6055	9,6287289	0,962
9,5430	9,6834302	0,795	9,5745	9,6571680	0,873	9,6060	9,6282471	0,964
9,5435	9,6830323	0,796	9,5750	9,6567307	0,875	9,6065	9,6277645	0,965
9,5440	9,6826338	0,797	9,5755	9,6562927	0,876	9,6070	9,6272811	0,967
9,5445	9,6822347	0,798	9,5760	9,6558541	0,877	9,6075	9,6267970	0,968
9,5450	9,6818351	0,799	9,5765	9,6554148	0,879	9,6080	9,6263121	0,970
9,5455	9,6814349	0,800	9,5770	9,6549748	0,880	9,6085	9,6258264	0,971
9,5460	9,6810341	0,802	9,5775	9,6545340	0,882	9,6090	9,6253399	0,973
9,5465	9,6806327	0,803	9,5780	9,6540927	0,883	9,6095	9,6248526	0,975
9,5470	9,6802307	0,804	9,5785	9,6536507	0,884	9,6100	9,6243646	0,976
9,5475	9,6798280	0,805	9,5790	9,6532080	0,885	9,6105	9,6238758	0,978
9,5480	9,6794247	0,807	9,5795	9,6527646	0,887	9,6110	9,6233862	0,979
9,5485	9,6790209	0,808	9,5800	9,6523205	0,888	9,6115	9,6228958	0,981
9,5490	9,6786165	0,809	9,5805	9,6518758	0,889	9,6120	9,6224046	0,982
9,5495	9,6782115	0,810	9,5810	9,6514304	0,891	9,6125	9,6219126	0,984
9,5500	9,6778058	0,811	9,5815	9,6509843	0,892	9,6130	9,6214198	0,986
9,5505	9,6773996	0,812	9,5820	9,6505375	0,894	9,6135	9,6209262	0,987
9,5510	9,6769928	0,814	9,5825	9,6500898	0,895	9,6140	9,6204318	0,989
9,5515	9,6765854	0,815	9,5830	9,6496416	0,896	9,6145	9,6199366	0,990
9,5520	9,6761774	0,816	9,5835	9,6491927	0,898	9,6150	9,6194407	0,992
9,5525	9,6757689	0,817	9,5840	9,6487431	0,899	9,6155	9,6189439	0,994
9,5530	9,6753594	0,819	9,5845	9,6482928	0,901	9,6160	9,6184463	0,995
9,5535	9,6749495	0,820	9,5850	9,6478417	0,902	9,6165	9,6179479	0,997
9,5540	9,6745390	0,821	9,5855	9,6473900	0,903	9,6170	9,6174487	0,998
9,5545	9,6741280	0,822	9,5860	9,6469376	0,905	9,6175	9,6169486	1,000
9,5550	9,6737164	0,823	9,5865	9,6464845	0,906	9,6180	9,6164477	1,002
9,5555	9,6733041	0,825	9,5870	9,6460307	0,908	9,6185	9,6159460	1,003
9,5560	9,6728912	0,826	9,5875	9,6455761	0,909	9,6190	9,6154435	1,005
9,5565	9,6724777	0,827	9,5880	9,6451208	0,911	9,6195	9,6149402	1,007
9,5570	9,6720636	0,828	9,5885	9,6446648	0,912	9,6200	9,6144361	1,008
9,5575	9,6716487	0,830	9,5890	9,6442081	0,913	9,6205	9,6139312	1,010
9,5580	9,6712333	0,831	9,5895	9,6437507	0,915	9,6210	9,6134254	1,012
9,5585	9,6708173	0,832	9,5900	9,6432928	0,916	9,6215	9,6129188	1,013
9,5590	9,6704007	0,833	9,5905	9,6428341	0,917	9,6220	9,6124113	1,015
9,5595		0,834			0,919			1,017

As diferenças desta taboa são para 0,0000001

Log. m	Log. R	Dif.	Log. m	Log. R	Dif.	Log. m	Log. R	Dif.
9,6225	9,6119030	—	9,6540	9,5781049	—	9,7690	9,4147243	—
9,6230	9,6113939	1,018	9,6545	9,5775386	1,133	9,7692	9,4143653	1,795
9,6235	9,6108339	1,020	9,6550	9,5769712	1,135	9,7694	9,4140059	1,797
9,6240	9,6103731	1,022	9,6555	9,5764029	1,137	9,7696	9,4136462	1,798
9,6245	9,6098615	1,023	9,6560	9,5758336	1,139	9,7698	9,4132861	1,800
9,6250	9,6093490	1,025	9,6565	9,5752633	1,141	9,7700	9,4129257	1,802
9,6255	9,6088357	1,027	9,6570	9,5746920	1,143	9,7702	9,4125650	1,803
9,6260	9,6083216	1,028	9,6575	9,5741198	1,144	9,7704	9,4122039	1,805
9,6265	9,6078066	1,030	9,6580	9,5735466	1,146	9,7706	9,4118425	1,807
9,6270	9,6072907	1,032	9,6585	9,5729724	1,148	9,7708	9,4114807	1,809
9,6275	9,6067738	1,034	9,6590	9,5723971	1,151	9,7710	9,4111186	1,810
9,6280	9,6062562	1,035	9,6595	9,5718208	1,153	9,7712	9,4107562	1,812
9,6285	9,6057378	1,037	9,6600	9,5712435	1,155	9,7714	9,4103934	1,814
9,6290	9,6052185	1,039	9,6605	9,5706652	1,157	9,7716	9,4100303	1,815
9,6295	9,6046983	1,040	9,6610	9,5700859	1,159	9,7718	9,4096668	1,817
9,6300	9,6041772	1,042	9,6615	9,5695055	1,161	9,7720	9,4093029	1,819
9,6305	9,6036554	1,044	9,6620	9,5689241	1,163	9,7722	9,4089387	1,821
9,6310	9,6031327	1,045	9,6625	9,5683417	1,165	9,7724	9,4085741	1,823
9,6315	9,6026091	1,047	9,6630	9,5677583	1,167	9,7726	9,4082092	1,824
9,6320	9,6020846	1,049	9,6635	9,5671738	1,169	9,7728	9,4078440	1,826
9,6325	9,6015591	1,051	9,6640	9,5665883	1,171	9,7730	9,4074786	1,827
9,6330	9,6010328	1,053	9,6645	9,5660018	1,173	9,7732	9,4071128	1,829
9,6335	9,6005057	1,054	9,6650	9,5654142	1,175	9,7734	9,4067465	1,831
9,6340	9,5999777	1,056	9,6655	9,5648256	1,177	9,7736	9,4063798	1,833
9,6345	9,5994488	1,058	9,6660	9,5642360	1,179	9,7738	9,4060128	1,835
9,6350	9,5989189	1,060	9,6665	9,5636453	1,181	9,7740	9,4056454	1,837
9,6355	9,5983881	1,062	9,6670	9,5630535	1,184	9,7742	9,4052777	1,838
9,6360	9,5978565	1,063	9,6675	9,5624606	1,186	9,7744	9,4049096	1,840
9,6365	9,5973240	1,065	9,6680	9,5618667	1,188	9,7746	9,4045412	1,842
9,6370	9,5967906	1,067	9,6685	9,5612718	1,190	9,7748	9,4041725	1,843
9,6375	9,5962563	1,069	9,6690	9,5606758	1,192	9,7750	9,4038034	1,845
9,6380	9,5957211	1,070	9,6695	9,5600787	1,194	9,7752	9,4034340	1,847
9,6385	9,5951850	1,072	9,6700	9,5594804	1,197	9,7754	9,4030642	1,849
9,6390	9,5946480	1,074	9,6705	9,5588811	1,199	9,7756	9,4026940	1,851
9,6395	9,5941101	1,076	9,6710	9,5582807	1,201	9,7758	9,4023234	1,853
9,6400	9,5935713	1,078	9,6715	9,5576792	1,203	9,7760	9,4019525	1,854
9,6405	9,5930316	1,079	9,6720	9,5570767	1,205	9,7762	9,4015812	1,856
9,6410	9,5924909	1,081	9,6725	9,5564731	1,207	9,7764	9,4012095	1,858
9,6415	9,5919493	1,083	9,6730	9,5558684	1,209	9,7766	9,4008375	1,860
9,6420	9,5914068	1,085	9,6735	9,5552626	1,212	9,7768	9,4004652	1,861
9,6425	9,5908635	1,087	9,6740	9,5546557	1,214	9,7770	9,4000926	1,863
9,6430	9,5903192	1,089	9,6745	9,5540477	1,216	9,7772	9,3997195	1,865
9,6435	9,5897739	1,091	9,6750	9,5534387	1,218	9,7774	9,3993460	1,867
9,6440	9,5892277	1,092	9,6755	9,5528285	1,220	9,7776	9,3989722	1,869
9,6445	9,5886806	1,094	9,6760	9,5522172	1,223	9,7778	9,3985980	1,871
9,6450	9,5881325	1,096	9,6765	9,5516048	1,225	9,7780	9,3982235	1,872
9,6455	9,5875835	1,098	9,6770	9,5509913	1,227	9,7782	9,3978486	1,874
9,6460	9,5870335	1,100	9,6775	9,5503766	1,229	9,7784	9,3974733	1,876
9,6465	9,5864826	1,102	9,7660	9,4200693	—	9,7786	9,3970977	1,878
9,6470	9,5859308	1,104	9,7662	9,4197153	1,770	9,7788	9,3967217	1,880
9,6475	9,5853781	1,105	9,7664	9,4193609	1,772	9,7790	9,3963453	1,882
9,6480	9,5848244	1,107	9,7666	9,4190062	1,773	9,7792	9,3959685	1,884
9,6485	9,5842698	1,109	9,7668	9,4186512	1,775	9,7794	9,3955914	1,885
9,6490	9,5837142	1,111	9,7670	9,4182960	1,776	9,7796	9,3952139	1,887
9,6495	9,5831576	1,113	9,7672	9,4179404	1,778	9,7798	9,3948361	1,889
9,6500	9,5826000	1,115	9,7674	9,4175844	1,780	9,7800	9,3944579	1,891
9,6505	9,5820416	1,117	9,7676	9,4172281	1,781	9,7802	9,3940793	1,893
9,6510	9,5814822	1,119	9,7678	9,4168714	1,783	9,7804	9,3937003	1,895
9,6515	9,5809218	1,121	9,7680	9,4165143	1,785	9,7806	9,3933209	1,897
9,6520	9,5803604	1,123	9,7682	9,4161570	1,787	9,7808	9,3929412	1,898
9,6525	9,5797978	1,125	9,7684	9,4157993	1,788	9,7810	9,3925611	1,900
9,6530	9,5792345	1,127	9,7686	9,4154413	1,790	9,7812	9,3921806	1,902
9,6535	9,5786702	1,129	9,7688	9,4150830	1,792	9,7814	9,3917998	1,904
		1,131	9,7688	9,4150830	1,793			1,906

TÁBOA IV.

As diferenças desta taboa são para 0,0000001

Log. m	Log. R	Dif.	Log. m	Log. R	Dif.	Log. m	Log. R	Dif.
9,7816	9,3914186	—	9,7942	9,3666089	—	9,8068	9,3401119	—
9,7818	9,3910370	1,908	9,7944	9,3662021	2,034	9,8070	9,3396766	2,176
9,7820	9,3906549	1,910	9,7946	9,3657948	2,036	9,8072	9,3392408	2,179
9,7822	9,3902725	1,912	9,7948	9,3653870	2,039	9,8074	9,3388045	2,181
9,7824	9,3898897	1,914	9,7950	9,3649789	2,041	9,8076	9,3383677	2,184
9,7826	9,3895066	1,915	9,7952	9,3645703	2,043	9,8078	9,3379305	2,186
9,7828	9,3891231	1,917	9,7954	9,3641613	2,045	9,8080	9,3374928	2,188
9,7830	9,3887392	1,919	9,7956	9,3637519	2,047	9,8082	9,3370546	2,191
9,7832	9,3883550	1,921	9,7958	9,3633421	2,049	9,8084	9,3366159	2,193
9,7834	9,3879703	1,923	9,7960	9,3629318	2,051	9,8086	9,3361767	2,196
9,7836	9,3875852	1,925	9,7962	9,3625210	2,054	9,8088	9,3357370	2,198
9,7838	9,3871997	1,927	9,7964	9,3621098	2,056	9,8090	9,3352968	2,201
9,7840	9,3868139	1,929	9,7966	9,3616982	2,058	9,8092	9,3348561	2,203
9,7842	9,3864277	1,931	9,7968	9,3612862	2,060	9,8094	9,3344149	2,206
9,7844	9,3860411	1,933	9,7970	9,3608738	2,062	9,8096	9,3339732	2,208
9,7846	9,3856541	1,935	9,7972	9,3604609	2,064	9,8098	9,3335311	2,210
9,7848	9,3852667	1,937	9,7974	9,3600475	2,067	9,8100	9,3330885	2,213
9,7850	9,3848790	1,938	9,7976	9,3596337	2,069	9,8102	9,3326454	2,215
9,7852	9,3844909	1,940	9,7978	9,3592195	2,071	9,8104	9,3322018	2,218
9,7854	9,3841024	1,942	9,7980	9,3588048	2,073	9,8106	9,3317577	2,220
9,7856	9,3837135	1,944	9,7982	9,3583897	2,075	9,8108	9,3313130	2,223
9,7858	9,3833242	1,946	9,7984	9,3579741	2,078	9,8110	9,3308678	2,226
9,7860	9,3829343	1,948	9,7986	9,3575581	2,080	9,8112	9,3304221	2,228
9,7862	9,3825442	1,950	9,7988	9,3571417	2,082	9,8114	9,3299759	2,231
9,7864	9,3821537	1,952	9,7990	9,3567249	2,084	9,8116	9,3295292	2,233
9,7866	9,3817628	1,954	9,7992	9,3563076	2,086	9,8118	9,3290821	2,235
9,7868	9,3813715	1,956	9,7994	9,3558898	2,089	9,8120	9,3286346	2,237
9,7870	9,3809798	1,958	9,7996	9,3554716	2,091	9,8122	9,3281866	2,240
9,7872	9,3805877	1,960	9,7998	9,3550530	2,093	9,8124	9,3277379	2,243
9,7874	9,3801952	1,962	9,8000	9,3546339	2,095	9,8126	9,3272887	2,246
9,7876	9,3798023	1,964	9,8002	9,3542142	2,098	9,8128	9,3268390	2,248
9,7878	9,3794090	1,966	9,8004	9,3537942	2,100	9,8130	9,3263888	2,251
9,7880	9,3790153	1,968	9,8006	9,3533738	2,102	9,8132	9,3259381	2,253
9,7882	9,3786212	1,970	9,8008	9,3529529	2,104	9,8134	9,3254869	2,256
9,7884	9,3782268	1,972	9,8010	9,3525316	2,106	9,8136	9,3250352	2,258
9,7886	9,3778319	1,974	9,8012	9,3521098	2,109	9,8138	9,3245830	2,261
9,7888	9,3774366	1,976	9,8014	9,3516875	2,111	9,8140	9,3241302	2,264
9,7890	9,3770409	1,978	9,8016	9,3512648	2,113	9,8142	9,3236769	2,266
9,7892	9,3766448	1,980	9,8018	9,3508417	2,115	9,8144	9,3232231	2,269
9,7894	9,3762483	1,982	9,8020	9,3504181	2,118	9,8146	9,3227688	2,271
9,7896	9,3758514	1,984	9,8022	9,3499940	2,120	9,8148	9,3223140	2,274
9,7898	9,3754541	1,986	9,8024	9,3495694	2,123	9,8150	9,3218587	2,276
9,7900	9,3750564	1,988	9,8026	9,3491444	2,125	9,8152	9,3214028	2,279
9,7902	9,3746583	1,990	9,8028	9,3487190	2,127	9,8154	9,3209464	2,282
9,7904	9,3742598	1,992	9,8030	9,3482931	2,129	9,8156	9,3204895	2,284
9,7906	9,3738609	1,994	9,8032	9,3478667	2,132	9,8158	9,3200321	2,287
9,7908	9,3734615	1,997	9,8034	9,3474398	2,134	9,8160	9,3195742	2,289
9,7910	9,3730617	1,999	9,8036	9,3470125	2,136	9,8162	9,3191158	2,292
9,7912	9,3726615	2,001	9,8038	9,3465848	2,138	9,8164	9,3186568	2,295
9,7914	9,3722609	2,003	9,8040	9,3461566	2,141	9,8166	9,3181973	2,297
9,7916	9,3718599	2,005	9,8042	9,3457279	2,143	9,8168	9,3177372	2,300
9,7918	9,3714585	2,007	9,8044	9,3452987	2,146	9,8170	9,3172765	2,303
9,7920	9,3710567	2,009	9,8046	9,3448691	2,148	9,8172	9,3168153	2,306
9,7922	9,3706544	2,011	9,8048	9,3444390	2,150	9,8174	9,3163536	2,308
9,7924	9,3702517	2,013	9,8050	9,3440084	2,153	9,8176	9,3158914	2,311
9,7926	9,3698486	2,015	9,8052	9,3435773	2,155	9,8178	9,3154287	2,313
9,7928	9,3694451	2,017	9,8054	9,3431458	2,157	9,8180	9,3149654	2,316
9,7930	9,3690412	2,019	9,8056	9,3427138	2,160	9,8182	9,3145016	2,319
9,7932	9,3686369	2,021	9,8058	9,3422814	2,162	9,8184	9,3140372	2,322
9,7934	9,3682321	2,024	9,8060	9,3418485	2,164	9,8186	9,3135723	2,324
9,7936	9,3678269	2,026	9,8062	9,3414151	2,167	9,8188	9,3131069	2,327
9,7938	9,3674213	2,028	9,8064	9,3409812	2,169	9,8190	9,3126409	2,330
9,7940	9,3670153	2,030	9,8066	9,3405468	2,172	9,8192	9,3121744	2,332
		2,032			2,174			2,335

As diferenças desta taboa são para 0,0000001.

Log. m	Log. R	Dif.	Log. m	Log. R	Dif.	Log. m	Log. R	Dif.
9,8194	9,3117073	—	9,8320	9,2811262	—	9,8446	9,2480372	—
9,8196	9,3112397	2,338	9,8322	9,2806216	2,523	9,8448	9,2474897	2,737
9,8198	9,3107715	2,341	9,8324	9,2801163	2,526	9,8450	9,2469414	2,741
9,8200	9,3103027	2,344	9,8326	9,2796104	2,529	9,8452	9,2463923	2,745
9,8202	9,3098334	2,346	9,8328	9,2791038	2,533	9,8454	9,2458424	2,749
9,8204	9,3093635	2,349	9,8330	9,2785966	2,536	9,8456	9,2452919	2,752
9,8206	9,3088931	2,352	9,8332	9,2780888	2,539	9,8458	9,2447407	2,756
9,8208	9,3084222	2,354	9,8334	9,2775803	2,542	9,8460	9,2441888	2,759
9,8210	9,3079508	2,357	9,8336	9,2770712	2,545	9,8462	9,2436361	2,763
9,8212	9,3074788	2,360	9,8338	9,2765614	2,549	9,8464	9,2430826	2,767
9,8214	9,3070062	2,363	9,8340	9,2760510	2,552	9,8466	9,2425285	2,770
9,8216	9,3065330	2,366	9,8342	9,2755400	2,555	9,8468	9,2419735	2,772
9,8218	9,3060592	2,369	9,8344	9,2750283	2,558	9,8470	9,2414179	2,774
9,8220	9,3055849	2,371	9,8346	9,2745159	2,562	9,8472	9,2408611	2,775
9,8222	9,3051100	2,374	9,8348	9,2740029	2,565	9,8474	9,2403038	2,778
9,8224	9,3046346	2,377	9,8350	9,2734893	2,568	9,8476	9,2397458	2,781
9,8226	9,3041585	2,380	9,8352	9,2729750	2,571	9,8478	9,2391870	2,782
9,8228	9,3036820	2,383	9,8354	9,2724601	2,574	9,8480	9,2386274	2,783
9,8230	9,3032050	2,385	9,8356	9,2719445	2,578	9,8482	9,2380671	2,786
9,8232	9,3027274	2,388	9,8358	9,2714282	2,581	9,8484	9,2375059	2,787
9,8234	9,3022492	2,391	9,8360	9,2709113	2,584	9,8486	9,2369440	2,789
9,8236	9,3017704	2,394	9,8362	9,2703937	2,588	9,8488	9,2363814	2,791
9,8238	9,3012909	2,397	9,8364	9,2698754	2,591	9,8490	9,2358180	2,793
9,8240	9,3008108	2,400	9,8366	9,2693565	2,594	9,8492	9,2352536	2,795
9,8242	9,3003302	2,403	9,8368	9,2688370	2,597	9,8494	9,2346891	2,797
9,8244	9,2998491	2,405	9,8370	9,2683168	2,601	9,8496	9,2341234	2,799
9,8246	9,2993674	2,408	9,8372	9,2677959	2,604	9,8498	9,2335569	2,801
9,8248	9,2988851	2,411	9,8374	9,2672743	2,608	9,8500	9,2329894	2,802
9,8250	9,2984023	2,414	9,8376	9,2667520	2,611	9,8502	9,2324213	2,805
9,8252	9,2979189	2,417	9,8378	9,2662291	2,614	9,8504	9,2318524	2,807
9,8254	9,2974349	2,420	9,8380	9,2657055	2,618	9,8506	9,2312826	2,809
9,8256	9,2969503	2,423	9,8382	9,2651812	2,621	9,8508	9,2307120	2,810
9,8258	9,2964651	2,426	9,8384	9,2646562	2,625	9,8510	9,2301409	2,812
9,8260	9,2959792	2,429	9,8386	9,2641306	2,628	9,8512	9,2295689	2,814
9,8262	9,2954928	2,432	9,8388	9,2636043	2,631	9,8514	9,2289961	2,816
9,8264	9,2950058	2,435	9,8390	9,2630773	2,635	9,8516	9,2284225	2,818
9,8266	9,2945182	2,438	9,8392	9,2625496	2,638	9,8518	9,2278482	2,819
9,8268	9,2940301	2,440	9,8394	9,2620212	2,642	9,8520	9,2272733	2,821
9,8270	9,2935414	2,443	9,8396	9,2614922	2,645	9,8522	9,2266976	2,822
9,8272	9,2930521	2,446	9,8398	9,2609625	2,648	9,8524	9,2261213	2,824
9,8274	9,2925622	2,449	9,8400	9,2604321	2,652	9,8526	9,2255440	2,825
9,8276	9,2920717	2,452	9,8402	9,2599010	2,655	9,8528	9,2249659	2,827
9,8278	9,2915806	2,455	9,8404	9,2593692	2,659	9,8530	9,2243869	2,830
9,8280	9,2910888	2,459	9,8406	9,2588367	2,662	9,8532	9,2238069	2,832
9,8282	9,2905964	2,462	9,8408	9,2583035	2,666	9,8534	9,2232260	2,833
9,8284	9,2901035	2,464	9,8410	9,2577696	2,669	9,8536	9,2226442	2,836
9,8286	9,2896100	2,467	9,8412	9,2572350	2,673	9,8538	9,2220615	2,839
9,8288	9,2891159	2,470	9,8414	9,2566997	2,676	9,8540	9,2214779	2,840
9,8290	9,2886212	2,473	9,8416	9,2561637	2,680	9,8542	9,2208934	2,841
9,8292	9,2881259	2,476	9,8418	9,2556269	2,684	9,8544	9,2203079	2,843
9,8294	9,2876299	2,480	9,8420	9,2550894	2,687	9,8546	9,2197213	2,846
9,8296	9,2871333	2,483	9,8422	9,2545512	2,691	9,8548	9,2191338	2,848
9,8298	9,2866361	2,486	9,8424	9,2540123	2,694	9,8550	9,2185454	2,852
9,8300	9,2861383	2,489	9,8426	9,2534727	2,698	9,8552	9,2179561	2,854
9,8302	9,2856399	2,492	9,8428	9,2529324	2,701	9,8554	9,2173659	2,855
9,8304	9,2851409	2,495	9,8430	9,2523914	2,705	9,8556	9,2167748	2,856
9,8306	9,2846412	2,498	9,8432	9,2518497	2,708	9,8558	9,2161828	2,859
9,8308	9,2841409	2,501	9,8434	9,2513072	2,712	9,8560	9,2155899	2,861
9,8310	9,2836400	2,504	9,8436	9,2507640	2,716	9,8562	9,2149961	2,863
9,8312	9,2831385	2,507	9,8438	9,2502201	2,719	9,8564	9,2144014	2,865
9,8314	9,2826364	2,510	9,8440	9,2496755	2,723	9,8566	9,2138059	2,867
9,8316	9,2821336	2,514	9,8442	9,2491301	2,727	9,8568	9,2132095	2,869
9,8318	9,2816302	2,517	9,8444	9,2485840	2,730	9,8570	9,2126122	2,871
		2,520			2,734			2,873

TABOA IV.

As diferenças desta taboa são para 0,0000001.

Log. m	Log. R	Dif.	Log. m	Log. R	Dif.	Log. m	Log. R	Dif.
9,8518	9,2278481	—	9,8581	9,2093284	—	9,8644	9,1899374	—
9,8519	9,2275605	2,876	9,8582	9,2090276	3,008	9,8645	9,1896222	3,152
9,8520	9,2272727	2,878	9,8583	9,2087266	3,010	9,8646	9,1893067	3,155
9,8521	9,2269847	2,880	9,8584	9,2084254	3,012	9,8647	9,1889910	3,157
9,8522	9,2266965	2,882	9,8585	9,2081240	3,014	9,8648	9,1886750	3,160
9,8523	9,2264082	2,883	9,8586	9,2078223	3,017	9,8649	9,1883587	3,163
9,8524	9,2261197	2,885	9,8587	9,2075204	3,019	9,8650	9,1880422	3,165
9,8525	9,2258309	2,888	9,8588	9,2072182	3,022	9,8651	9,1877255	3,167
9,8526	9,2255419	2,890	9,8589	9,2069158	3,024	9,8652	9,1874086	3,169
9,8527	9,2252528	2,891	9,8590	9,2066132	3,026	9,8653	9,1870914	3,172
9,8528	9,2249635	2,893	9,8591	9,2063104	3,028	9,8654	9,1867740	3,174
9,8529	9,2246740	2,895	9,8592	9,2060074	3,030	9,8655	9,1864563	3,177
9,8530	9,2243842	2,898	9,8593	9,2057042	3,032	9,8656	9,1861384	3,179
9,8531	9,2240942	2,900	9,8594	9,2054007	3,035	9,8657	9,1858202	3,182
9,8532	9,2238040	2,902	9,8595	9,2050970	3,037	9,8658	9,1855018	3,184
9,8533	9,2235136	2,904	9,8596	9,2047931	3,039	9,8659	9,1851831	3,187
9,8534	9,2232230	2,906	9,8597	9,2044890	3,041	9,8660	9,1848642	3,189
9,8535	9,2229322	2,908	9,8598	9,2041847	3,043	9,8661	9,1845451	3,191
9,8536	9,2226412	2,910	9,8599	9,2038801	3,046	9,8662	9,1842257	3,194
9,8537	9,2223500	2,912	9,8600	9,2035753	3,048	9,8663	9,1839061	3,196
9,8538	9,2220586	2,914	9,8601	9,2032703	3,050	9,8664	9,1835862	3,199
9,8539	9,2217670	2,916	9,8602	9,2029651	3,052	9,8665	9,1832661	3,201
9,8540	9,2214751	2,919	9,8603	9,2026597	3,054	9,8666	9,1829457	3,204
9,8541	9,2211831	2,920	9,8604	9,2023540	3,057	9,8667	9,1826251	3,206
9,8542	9,2208909	2,922	9,8605	9,2020481	3,059	9,8668	9,1823042	3,209
9,8543	9,2205985	2,924	9,8606	9,2017420	3,061	9,8669	9,1819831	3,211
9,8544	9,2203059	2,926	9,8607	9,2014357	3,063	9,8670	9,1816618	3,213
9,8545	9,2200130	2,929	9,8608	9,2011291	3,066	9,8671	9,1813402	3,216
9,8546	9,2197199	2,931	9,8609	9,2008223	3,068	9,8672	9,1810183	3,219
9,8547	9,2194266	2,933	9,8610	9,2005152	3,071	9,8673	9,1806962	3,221
9,8548	9,2191331	2,935	9,8611	9,2002080	3,072	9,8674	9,1803738	3,224
9,8549	9,2188394	2,937	9,8612	9,1999005	3,075	9,8675	9,1800512	3,226
9,8550	9,2185455	2,939	9,8613	9,1995928	3,077	9,8676	9,1797283	3,229
9,8551	9,2182513	2,942	9,8614	9,1992848	3,080	9,8677	9,1794052	3,231
9,8552	9,2179569	2,944	9,8615	9,1989766	3,082	9,8678	9,1790818	3,234
9,8553	9,2176623	2,946	9,8616	9,1986682	3,084	9,8679	9,1787582	3,236
9,8554	9,2173675	2,948	9,8617	9,1983595	3,087	9,8680	9,1784343	3,239
9,8555	9,2170725	2,950	9,8618	9,1980506	3,089	9,8681	9,1781101	3,242
9,8556	9,2167773	2,952	9,8619	9,1977415	3,091	9,8682	9,1777857	3,244
9,8557	9,2164819	2,954	9,8620	9,1974321	3,094	9,8683	9,1774610	3,247
9,8558	9,2161863	2,956	9,8621	9,1971225	3,096	9,8684	9,1771361	3,249
9,8559	9,2158905	2,958	9,8622	9,1968127	3,098	9,8685	9,1768109	3,252
9,8560	9,2155945	2,960	9,8623	9,1965026	3,101	9,8686	9,1764855	3,254
9,8561	9,2152983	2,962	9,8624	9,1961923	3,103	9,8687	9,1761599	3,256
9,8562	9,2150019	2,964	9,8625	9,1958818	3,105	9,8688	9,1758340	3,259
9,8563	9,2147052	2,967	9,8626	9,1955710	3,108	9,8689	9,1755079	3,261
9,8564	9,2144083	2,969	9,8627	9,1952600	3,110	9,8690	9,1751815	3,264
9,8565	9,2141112	2,971	9,8628	9,1949488	3,112	9,8691	9,1748548	3,267
9,8566	9,2138139	2,973	9,8629	9,1946374	3,114	9,8692	9,1745279	3,269
9,8567	9,2135163	2,976	9,8630	9,1943257	3,117	9,8693	9,1742007	3,272
9,8568	9,2132185	2,978	9,8631	9,1940138	3,119	9,8694	9,1738732	3,275
9,8569	9,2129206	2,979	9,8632	9,1937016	3,122	9,8695	9,1735455	3,277
9,8570	9,2126225	2,981	9,8633	9,1933892	3,124	9,8696	9,1732175	3,280
9,8571	9,2123242	2,983	9,8634	9,1930765	3,127	9,8697	9,1728893	3,282
9,8572	9,2120256	2,986	9,8635	9,1927636	3,129	9,8698	9,1725608	3,285
9,8573	9,2117268	2,988	9,8636	9,1924505	3,131	9,8699	9,1722321	3,287
9,8574	9,2114278	2,990	9,8637	9,1921372	3,133	9,8700	9,1719031	3,290
9,8575	9,2111286	2,992	9,8638	9,1918236	3,136	9,8701	9,1715739	3,292
9,8576	9,2108291	2,995	9,8639	9,1915098	3,138	9,8702	9,1712444	3,295
9,8577	9,2105294	2,997	9,8640	9,1911958	3,140	9,8703	9,1709146	3,298
9,8578	9,2102295	2,999	9,8641	9,1908816	3,142	9,8704	9,1705845	3,301
9,8579	9,2099293	3,002	9,8642	9,1905671	3,145	9,8705	9,1702542	3,303
9,8580	9,2096289	3,004	9,8643	9,1902524	3,147	9,8706	9,1699236	3,306
		3,005			3,150			3,308

As diferenças desta taboa são para 0,0000001.

Log. m	Log. R	Dif.	Log. m	Log. R	Dif.	Log. m	Log. R	Dif.
9,8707	9,1695928	—	9,8716	9,1666032	—	9,8725	9,1635919	—
9,8708	9,1692617	3,311	9,8717	9,1662697	3,335	9,8726	9,1632560	3,359
9,8709	9,1689303	3,314	9,8718	9,1659359	3,338	9,8727	9,1629198	3,362
9,8710	9,1685987	3,316	9,8719	9,1656019	3,340	9,8728	9,1625834	3,364
9,8711	9,1682668	3,319	9,8720	9,1652676	3,343	9,8729	9,1622467	3,367
9,8712	9,1679346	3,322	9,8721	9,1649330	3,346	9,8730	9,1619098	3,369
9,8713	9,1676021	3,325	9,8722	9,1645981	3,349	9,8731	9,1615727	3,371
9,8714	9,1672694	3,327	9,8723	9,1642630	3,351	9,8732	9,1612354	3,373
9,8715	9,1669364	3,330	9,8724	9,1639276	3,354	9,8733	9,1608978	3,376
		3,332			3,357			

TABOA V.

π	F	π	F	π	F	π	F	π	F
0'005	0,02710	0'049	0,00277	0'093	0,00146	0'137	0,00099	0'242	0,00056
0,006	0,02258	0,050	0,00271	0,094	0,00144	0,138	0,00098	0,246	0,00055
0,007	0,01936	0,051	0,00266	0,095	0,00143	0,140	0,00097	0,250	0,00054
0,008	0,01694	0,052	0,00261	0,096	0,00141	0,142	0,00095	0,254	0,00053
0,009	0,01506	0,053	0,00256	0,097	0,00140	0,144	0,00094	0,258	0,00053
0,010	0,01355	0,054	0,00251	0,098	0,00138	0,146	0,00093	0,262	0,00052
0,011	0,01232	0,055	0,00246	0,099	0,00137	0,148	0,00092	0,266	0,00051
0,012	0,01129	0,056	0,00242	0,100	0,00135	0,150	0,00090	0,270	0,00050
0,013	0,01042	0,057	0,00238	0,101	0,00134	0,152	0,00089	0,274	0,00049
0,014	0,00968	0,058	0,00234	0,102	0,00133	0,154	0,00088	0,278	0,00049
0,015	0,00903	0,059	0,00230	0,103	0,00132	0,156	0,00087	0,282	0,00048
0,016	0,00847	0,060	0,00226	0,104	0,00130	0,158	0,00086	0,286	0,00047
0,017	0,00797	0,061	0,00222	0,105	0,00129	0,160	0,00085	0,290	0,00047
0,018	0,00753	0,062	0,00219	0,106	0,00128	0,162	0,00084	0,294	0,00046
0,019	0,00713	0,063	0,00215	0,107	0,00127	0,164	0,00083	0,298	0,00045
0,020	0,00678	0,064	0,00212	0,108	0,00125	0,166	0,00082	0,302	0,00044
0,021	0,00645	0,065	0,00208	0,109	0,00124	0,168	0,00081	0,306	0,00043
0,022	0,00616	0,066	0,00205	0,110	0,00123	0,170	0,00080	0,310	0,00042
0,023	0,00589	0,067	0,00202	0,111	0,00122	0,172	0,00079	0,314	0,00041
0,024	0,00564	0,068	0,00199	0,112	0,00121	0,174	0,00078	0,318	0,00040
0,025	0,00542	0,069	0,00196	0,113	0,00120	0,176	0,00077	0,322	0,00039
0,026	0,00521	0,070	0,00194	0,114	0,00119	0,178	0,00076	0,326	0,00038
0,027	0,00502	0,071	0,00191	0,115	0,00118	0,180	0,00075	0,330	0,00037
0,028	0,00484	0,072	0,00188	0,116	0,00117	0,182	0,00074	0,334	0,00036
0,029	0,00467	0,073	0,00186	0,117	0,00116	0,184	0,00074	0,338	0,00035
0,030	0,00452	0,074	0,00183	0,118	0,00115	0,186	0,00073	0,342	0,00035
0,031	0,00437	0,075	0,00181	0,119	0,00114	0,188	0,00072	0,346	0,00034
0,032	0,00423	0,076	0,00178	0,120	0,00113	0,190	0,00071	0,350	0,00033
0,033	0,00410	0,077	0,00176	0,121	0,00112	0,192	0,00071	0,354	0,00032
0,034	0,00398	0,078	0,00174	0,122	0,00111	0,194	0,00070	0,358	0,00032
0,035	0,00387	0,079	0,00172	0,123	0,00110	0,196	0,00069	0,362	0,00031
0,036	0,00376	0,080	0,00169	0,124	0,00109	0,198	0,00068	0,366	0,00030
0,037	0,00366	0,081	0,00167	0,125	0,00108	0,200	0,00068	0,370	0,00029
0,038	0,00357	0,082	0,00165	0,126	0,00108	0,202	0,00067	0,374	0,00028
0,039	0,00348	0,083	0,00163	0,127	0,00107	0,204	0,00066	0,378	0,00027
0,040	0,00339	0,084	0,00161	0,128	0,00106	0,206	0,00066	0,382	0,00026
0,041	0,00330	0,085	0,00159	0,129	0,00105	0,210	0,00065	0,386	0,00025
0,042	0,00322	0,086	0,00158	0,130	0,00104	0,214	0,00063	0,390	0,00024
0,043	0,00315	0,087	0,00156	0,131	0,00103	0,218	0,00062	0,394	0,00023
0,044	0,00308	0,088	0,00154	0,132	0,00103	0,222	0,00061	0,398	0,00023
0,045	0,00301	0,089	0,00152	0,133	0,00102	0,226	0,00060	0,402	0,00022
0,046	0,00295	0,090	0,00151	0,134	0,00101	0,230	0,00059	0,406	0,00021
0,047	0,00288	0,091	0,00149	0,135	0,00100	0,234	0,00058	0,410	0,00020
0,048	0,00282	0,092	0,00147	0,136	0,00100	0,238	0,00057	0,414	0,00020

