В.В. Баканова, П.И. Фокин

ТАБЛИЦЫ ПРИРАЩЕНИЙ КООРДИНАТ

ИЗДАНИЕ ВТОРОЕ,
ИСПРАВЛЕННОЕ И ДОПОЛНЕННОЕ

Под редакцией В.Д. Большакова

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Предназначены для вычислений приращений координйат в тахеометрических, теодолитных и полигонометрияеских ходах, длины сторон которых в основном не превышают 1000 м.

Таблицы имеют два входа для аргументов:

а) линейных от 100 до 900 м с интервалом ч^рез 100 м;

б) угловых от 0 до 90° с интервалом через 1.

Для нахождения поправок в приращении координат на доли метра *Л* на секунды внизу каждой страницы даны интерполяционные таблицы.

Приведены таблицы поправок для приведения длин линий к горизонту, к уровню моря и на плоскость в проекции Гаусса.

Дана номограмма для определения поправок за давление и температуру к расстояниям, измеренным свподальномером.

Для специалистов, занятых ручным и машинным счетом приращений координат.

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ПРЕДИСЛОВИЕ

При крупномасштабных съемках, инженерно-технических изысканиях, трассировании, при выносе проекта в натуру и других топографо-геодезических работах вычисления приращений координат пунктов (точек) в теодолитных, тахеометрических и полигонометрических ходах в полевых условиях составляют большой объем. Поэтому применение таблиц вполне себя оправдывает.

Из существующих таблиц для вычисления приращений координат, судя по числу изданий и тиражу, широкое распространение в нашей стране получили таблицы, впервые составленные Ф. Гауссом, впоследствии дополненные и переработанные профессорами А.С. Чеботаревым и Н.М. Волковым. Эти таблицы дают возможность вычислять приращения координат при расстояниях до 500 м с точностью до 0,01 м; при больших расстояниях — до 0,1 м.

Так как применение современных приборов позволило повысить точность и увеличить длины измеряемых линий, использование таблиц Гаусса стало ограниченным.

Авторы составили таблицы, которые, обладая достоинствами таблиц Гаусса, дают возможность вычислять приращения координат с достаточной точностью и в более широком (до 1000 м) диапазоне длин линий.

Для определения точности' вычисления приращений координат по данным таблицам рассмотрим формулы, положенные в основу при составлении таблиц:

$$Ax = s \cos a_0 \frac{s \sin a}{P} — Да;$$

$$Ду = s \sin a + \frac{* \cos}{P} j^0 — До$$

В этих формулах вторые члены правых частей (значения sin a_Q и cos a) принимаются равными средним значениям функций для каждой страницы таблиц и могут отличаться от фактических при вычислении (максимальные разности аргументов дирекционных углов 15'). Это допущение вносит ошибку в приращения координат, не превышающую 2 мм на 900 м.

Например, при s = 900 м минимальное значение дирекционного угла a = 0°01', среднее значение $a_{ср}$ = 0° 15'

sin 0°01'= 0,000291; $\frac{18 III 1 6}{P} = 0$;

$ яп 1560

вт 0 1$\bar{5}$ =0,000436; = 2мм.

И'

Проведенное исследование точности вычисления приращений координат при помощи натуральных значений тригонометрических функций на микрокалькуляторе и по данным таблицам показывает, что точность вычисления координат по настоящим таблицам находится в пределах ошибок округлений, т.е. составляет 2—3 единицы последнего знака.

Характеристика таблиц:

приращения координат для расстояний 200—900 м даны до мм, а для расстояний 100 м — до 0,1 мм;

приращения координат можно вычислять как с применением счет;
так и микрокалькулятора;

таблицы удобны для использования в камеральных и в полевых условиях благодаря небольшому формату; I

вычисления при составлении таблиц выполнены на ЭВМ "НАИРИ-К", что гарантирует их достоверность;

помещены таблицы поправок для приведения длин линий к горизонту, к уровню моря и на плоскость в проекции Гаусса;

приведена номограмма для определения поправок за давление и температуру к расстояниям, измеренным светодальномером.

Авторы выражают искреннюю благодарность доценту кафедры геодезии и обработки измерений МИИГАиК В.В. Голубеву за большую помощь, оказанную при составлении таблиц.

ПОЯСНЕНИЯ К ТАБЛИЦАМ

ТАБЛИЦЫ I

Таблицы I предназначены для вычислений приращений координат по формулам:

$$A\,x = s\cos a = s\,\mathrm{eos}\ г, \qquad (1)$$

$$Ay * s \sin a — s \sin m, \qquad (2)$$ ^

где s — горизонтальное приложение линии, *а и г* — дирекционный угол и румб этой линии.

Применяя разложение в ряд Тейлора и ограничиваясь двумя членами разложения, получим:

$$A\,x = \mathrm{s\ eos\ a_0} — \mathrm{s \sin} a_Q —, \frac{Д^{П}}{a} \qquad (3)$$

$$Ay = s \sin \mathrm{o_Q} + \mathrm{s\ eos\ a_Q} \quad — nr\text{-}, \frac{Да''}{} \qquad (4)$$

где a_0 — значение дирекционного угла в минутах, Да = а — a_0 — в секундах.

Пользуясь основными таблицами, по дирекционному углу или румбу, взятому до целых минут, находят приращения координат на сотни, десятки и единицы метров, что соответствует первым членам формул (3) и (4).

Из вспомогательных таблиц, помещенных внизу каждой страницы, находят приращения координат на десятые, сотые и тысячные доли метра, а также и поправки на секунды.

Для облегчения вычисления поправок на каждой странице даны табличные разности — величины: ,

$s \sin \mathrm{a\ q}$ $s\ \mathrm{eos\ a}_0$

выраженные в миллиметрах на 60".

Полученные по отдельным частям таблиц приращения суммируют.

Вместо вычисления по частям первых членов разложения (3) и (4) можно использовать микрокалькулятор. В этом случае горизонтальное проложение линии умножают на произведения 100 х сое *а* и 100 х ап *а,* взятые из левого столбца основной части таблицы (приращения на 100 м).

К полученному произведению прибавляют со своими знаками поправочные члены на секунды.

Для значений угловых аргументов румбической росписи, лежащих в пределах от 0 до 45°, приращения координат находят, пользуясь столбцом минут у левого края таблиц (сверху вниз), а для аргументов в пределах от 45 до 90° — столбцами минут, расположенными у правого края таблиц (снизу вверх).

Вычисление приращений координат можно производить как по д ирекционным углам в азимутальной росписи, так и по румбам.

Вверху и внизу основных таблиц указаны знаки приращений координат, помещенные у числа градусов дирекционного угла.

Ниже приведены примеры пользования таблицами.

Пример 1. Длина линии *5*= 583,614 м, румб линии Ю3:14°49'.'

* На стр. 7 2 и 73 таблиц по углу 14°49' находим:

Расстояния, м	*Ах,* м	Д.У, м
500	483, 374	127,863
80	77,340	20,458
3	2,900	0,767
0,614	0,594	0,156
583,614	564,208	149,244

Учитывая название румба, получим:

Д х= -564,208 м, *Ау* = -149,244 м.

Пример 2. Длина линии $ = 638,708 м, дирекционный угол а = = 288°28'46". В данном примере воспользуемся азимутальной росписью и вспомогательными табличками поправок на секунды.

На стр. 88 и 89 таблиц на развороте, соответствующем 288° (это число подписано на обеих страницах в нижнем левом углу), находим:

Рассеяния, м	Д«|М	Поправки, I-мм	Дум	Поправки, '!■: мм
600	190,051	128	569,104	41
30	9,502	7	28,455	2
8	2,534	2	7,588	—
0,708	0,222	-	0,673	-
638,708	202,309	137	605,820	43
Поправки	+137		-43	
	202,446		605,777	

Учитывая значения дирекционного угла, получим:

Д *= +202,446 м, Д*у* =-605,777 м.

Прим'ер 3. Длина щнии « = 638,708 м, румб линии СЗ: 71°31'1,4". На стр. 86 и 87 находим для угла 71°ЗГ приращения на 100 м А *x*= = 31,7028 м и Ду = 94^416 м. Умножая длину линии на найденные приращения координат на 100 м, получим:

Д *x*= 202,488 м	*Ay* - 605,761 м
Поправка —41	Поправка +14
202,447	605,775

Учитывая названия румба, получим:

Д *x* = + 202,447 м, *A y* = + 605,775км.

ТАБЛИЦЫ II

Таблицы II предназначены для вычисления горизонтальных проложений линий, если расстояния измерены в поле лентой, дальномерной насадкой типа ДН-8, дальномером Д-2, радио- и светодальномерами, а углы наклона измерены с помощью вертикального круга теодолита.

Поправка за наклон линии вычислены по формуле

Д5„ = 25 яп^2 —, (5)

где 5 — измеренное расстояние, *V* — угол наклона линии.

Поправки даны в миллиметрах и всегда вычисляются из длины наклонных линий, т.е.

*=5-Д5„. (6)

Ниже приводятся примеры вычисления горизонтальных проложений.

Пример 1. Длина линии, измеренная насадкой ДН-8, 5 = 249,72 м, угол наклона *V* = 3°45'.

На стр. 194 находим:

Измеренное расстояние, м	ДЗр, мм
200	428
40	86
9,72	20
249,72	534

Горизонтальное проложение линии будет:

* * 249,72 - 0,53 = 249,19 м.

Пример 2. Длина линии, измеренная дальномером Д-2,5 = 324,25 м, угол наклона *V* = 18°45\

На стр. 196 таблиц находим:

Измеренное расстояние, м	Д5р, мм
300	15 938
/ 20	1062
4,25	225
324,25	17,255

Горизонтальное проложение линии будет:

5 = 324,25 - 17,22 = 307,03 м.

Пример 3. Длина линии, измеренная светодальномером, *Б* = 856,163 м, угол наклона *V* = 4° 18'.

На стр.194 таблиц находим:

Измеренное расстояние, м	Д5р, мм
800	2253
50	141
6,163	17
856,163	2411

Горизонтальное проложение линии будет:

5 = 856,163 - 2,411 = 853,752 м.

ТАБЛИЦЫШ

Таблицы III предназначены для вычислений горизонтальных проложений линий, измеренных дифференциальными дальномерами типа ДН-04 с вертикальной рейкой.

Значения поправок за приведение линий к горизонту ДЗ^ вычислены по формуле

Д 5^ = 5 (*у*+ 17'П^З") мм, (7)

где *V* — угол наклона линии визирования, отсчитанный по вертикальному кругу при наведении средней горизонтальной нити на совмещенный штрих верньера рейки; 17*11,3" — постоянный угол, равный по-

ловине параллактического угла, величина которого алгебраически прибавляется к измеренному углу наклона.

Таблицы III составлены по аргументу *(у* + 17' 11,3"). Входами в таблицы для нахождения поправок являются измеренное дальномером расстояние 5 и угол наклона *V.*

Так как в формуле (7) величина 17'11,3" прибавляется алгебраически, то для положительных и отрицательных углов наклона, равных по абсолютной величине, аргументы *(у* + 17'11,3") различаются на 34'22,6". Поэтому для положительных и отрицательных углов наклона составлены одни таблицы поправок, в которых слева указаны положительные углы наклона, а справа — отрицательные, отличающиеся на 34' (величина 22,6" опущена, так как аргументы даны через 10').

Порядок пользования таблицами приведен в примерах.

Пример 1. Длина линии 5 = 85,36 м, угол наклона *V* = —0°15\ На стр. 197 таблиц находим:

Расстояния, м	мм
80	7
5	—
0,36	
85,36	7

Горизонтальное проложение * = 85,36 — 0,01 = 85,35 м.

Пример 2. Длина линии 5 = 165,96 м, угол наклона *V* = —18°32'. На стр. 199 таблиц находим:

Расстояния, м	ММ
100	9 810
60	5 886
5	490
0,96	95
165,96	16 281

Горизонтальное проложение линии я = 165,96 — 16,28 = 149,68 м.

В приведенных примерах наклонное расстояние до рейки округлено до сантиметров без потери точности вычислений по таблицам, хотя при работе с дальномерными насадками отсчеты по рейке берутся до мм.

ТАБЛИЦЫ IV

Таблицы IV предназначены для вычисления горизонтальных пиний, измеренных нитяным дальномером с вертикальной рейкой. Поправки даны в сантиметрах и вычислены по формуле

$$A8_p = 8\&ш^2p. \qquad (8)$$

Ниже приводятся примеры вычисления горизонтальных проложений.

Пример 1. Длина линии 5 = 95,7 м, угол наклона *u* = -4°15'. На стр. 200таблиц находим:

Расстояния, м	Д5р, см
90	49
5	3
0,7	-
95,7	52

Горизонтальное проложение 5 = 95,7 —0,5 = 95,2 м.

Пример 2. Длина линии 5 = 218,5 м, угол наклона *р* = 16°32'. На стр. 201 таблиц находим:

Расстояния, м	Д5р, см
200	1620
10	81
8	6
0,5	-
218,5	1707

Горизонтальное проложение « = 218,5 — 17,1 = 201,4 м.

ТАБЛИЦЫ V

Поправки за приведение длин линий к уровню моря вычисляются в миллиметрах по формуле

$$Д5_{Я}=^{\wedge}Г5, \qquad (9)$$

где $K = \frac{н - ю^{3}}{}$ „ , 5 — длина измеренной линии в км.

Коэффициент *К* выбирается из таблиц V по средней высоте *Н* линии над уровнем моря.

Поправки вычитаются из измеренной длины линии, когда Я имеет положительные значения, и прибавляется, когда *Н* имеет отрицательные значения.

Пример. Средняя высота линии над уровнем моря *Н* - +1245 м, длина линии 0,876 км. Из таблиц V находим *К* = 195 и по формуле (9) $АБ_{Н}$ = 195х0,876 = 171 мм.

ТАБЛИЦЫ VI

Поправки за приведение длин линий на плоскость в проекции Гаусса вычисляются в миллиметрах по формуле

$$Д\ s_y = KS, \qquad (10)$$

где K - -------- ^— 10^6, S — измеренная длина линии в км.

Коэффициент K выбирается из таблицы VI по средней ординате линии y в километрах.

Поправка AS_y всегда прибавляется к измеренной длине линии.

Пример. Измеренная длина линии S — 0,768 км, средняя ордината линии j = 127,3 км.

Из таблиц VI находим коэффициент K = 199 и по формуле (10) вычисляем поправку А S_y = 199x0,768 = 153 мм.

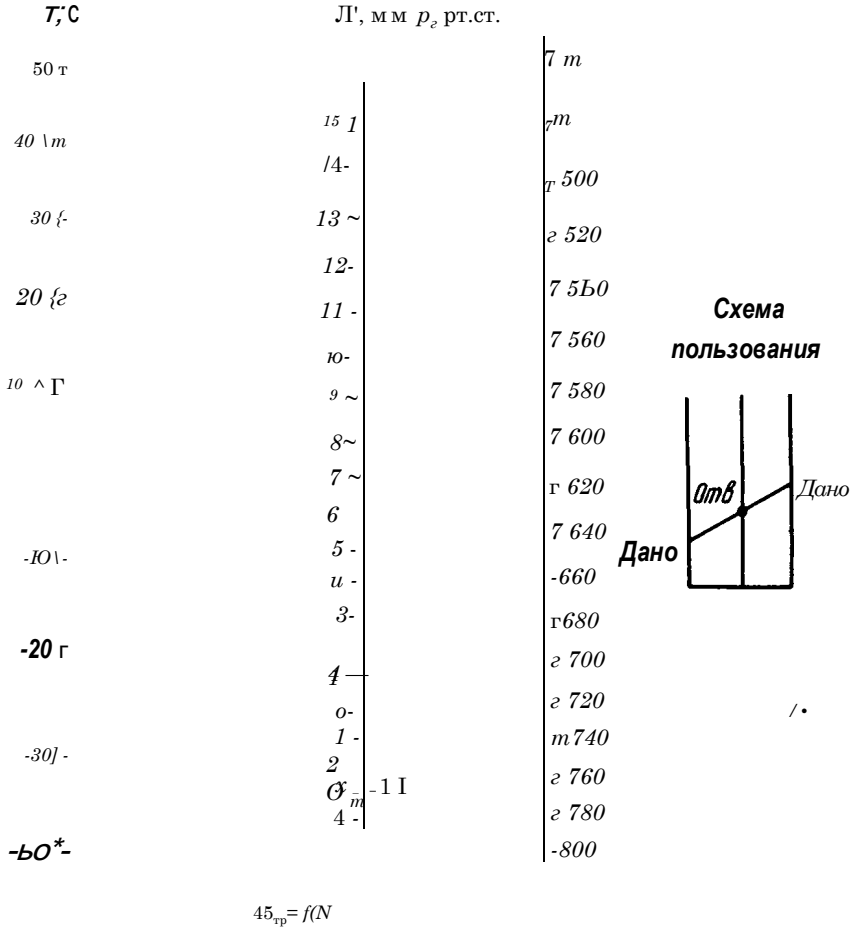
НОМОГРАММА

Номограмма предназначена для определения поправок к измеренным расстояниям дальномерами 2МС-2, СМ-5 и другими подобного типа, за давление и температуру.

Поправка вычисляется по формуле

$Д5_{рт}$ мм,

где величина *К* в мм берется по номограмме по измеренным давлению и температуре, ./V— число сотен метров расстояния.



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ТАБЛИЦЫ ПРИРАЩЕНИЯ КООРДИНАТ И ПОПРАВКИ ЗА НАКЛОН • ЛИНИЙ

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ПРИРАЩЕНИЯ КООРДИНАТ

—180° +0° cos 0° Дх 359°+ 179°—

I	100	200	300	400	500	600	700	800	900	* '
0	100,0000	200,000	300,000	400,000	500,000	600,000	700,000	800,000	900,000	60
1	100,0000	200,000	300,000	400,000	500,000	600,000	700,000	800,000	900,000	59
2	99,9999	200,000	300,000	400,000	500,000	600,000	699,999	799,999	899,999	58
3	99,9999	200,000	299,999	399,999	499,999	599,999	699,999	799,999	899,999	57
4	99,9999	199,999	299,999	399,999	499,999	599,999	699,999	799,999	899,999	56
5	99,9999	199,999	299,999	399,999	499,999	599,999	699,999	799,999	899,999	55
6	99,9998	199,999	299,999	399,999	499,999	.599,999	699,999	799,998	899,998	54
7	99,9998	199,999	299,999	399,999	499,999	599,998	699,998	799,998	899,998	53
8	99,9997	199,999	299,999	399,999	499,998	599,998	699,998	799,997	899,997	52
9	99,9996	199,999	299,999	399,998	499,998	599,998	699,997	799,997	899,997	51
10	99,9995	199,999	299,998	399,998	499,997	599,997	699,997	799,996	899,996	50
И	99,9994	199,999	299,998	399,998	499,997	599,997	699,996	799,996	899,995	49
12	99,9994	199,998	299,998	399,997	499,997	599,996	699,995	799,995	899,994	48
13	99,9992	199,998	299,997	399,997	499,996	599,995	699,995	799,994	899,993	47
14	99,9991	199,998	299,997	399,996	499,995	599,995	699,994	799,993	899,992	46
15	99,9990	199,998	299,997	399,996	499,995	599,994	699,993	799,992	899,991	45
16	99,9989	199,997	299,996	399,995	499,994	599,993	699,992	799,991	899,990	44
17	99,9987	199,997	299,996	399,995	499,993	599,992	699,991	799,990	899,989	43
. 18	99,9986	199,997	299,995	399,994	499,993	599,991	699,990	799,989	899,987	42
19	99,9984	199,997	299,995	399,993	499,992	599,990	699,989	799,987	899,986	41
20	99,9983	199,996	299,995	399,993	499,991	599,989	699,988	799,986	899,984	40
21	99,9981	199,996	299,994	399,992	499,990	599,988	699,987	799,985	899,983	39
22	99,9979	199,996	299,993	399,991	499,989	599,987	699,985	799,983	899,981	38
23	99,9977	199,995	299,993	399,991	499,988	599,986	699,984	799,982	899,979	37
24	99,9975	195,995	299,992	399,990	499,987	599,985	699,983	799,980	899,978	36
25	99,9973	199,994	299,992	399,989	499,986	599,984	699,981	799,978	899,976	35
26	99,9971	199,994	299,991	399,988	499,985	599,982	699,980	799,977	899,974	34
27	99,9969	199,993	299,990	399,987	499,984	599,981	699,978	799,975	899,972	33
28	99,9966	199,993	299,990	399,986	499,983	599,980	699,976	799,973	899,970	32
29	99,9964	199,992	299,989	399,985	499,982	599,978	699,975	799,971	899,968	31
30	99,9962	199,992	299,988	399,984	499,981	599,977	699,973	799,969	899,965	30
г	°**O**	200	300	400	500	600	700	800	900	**г**
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им	00 10	20 30	40 50 60	70 80	90	*Чй* **o**	1 1 1	1 2 2	2 3
100	100 110	120 130	1 140 150 160	170 180	190	6 0	0 0 0	0 0 0	0 0
200	200 210	220 230	| 240 250 260	270 280	290	7 0	0 0 0	0 0 0	0 0
300	300 310	320 330	| 340 350 360	370 380	390	**8 0**	0 0 0	**0 0 0**	**0** 0
400	400 410	420 430	| 440 450 460	470 480	490	9 0	0 0 0	0 0 0	**0 0**
500	500 510	520 530	| 540 550 560	570 580	590	10 0	0 0 0	**0 0 0**	**0** 1
600	600 610	620 630	1 640 650 660	670 680	690	20 0	0 0 0	0 1 1	1 1
700	700 710	720 730	1 740 750 760	770 780	790	30 0	0 0 1	1 1 1	1 1
800	800 810	820 830	| 840 850 860	870 880	890	40 0	0 1 1	1 1 1	2 2
900	900 910	920 930	| 940 950 960	970 980	990	50 0	0 1 1	1 1 2	2 2

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/	100	200	300	400	500	600	700	800	900	*
0	0,0000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	60
1	0,0290	0,058	0,087	0,116	0,145	0,174	0,203	0,232	0,261	59
2	0,0581	0,116	0,174	0,232	0,290	0,349	0,407	0,465	0,523	58
3	0,0872	0,174	0,261	0,349	0,436	0,523	0,610	0,698	0,785	57
4	0,1163	0,232	0,349	0,465	0,581	0,698	0,814	0,930	1,047	56
5	0,1454	0,290	0,436	0,581	0,727	0,872	1,018	1,163	1,309	55
6	0,1745	0,349	0,523	0,698	0,872	1,047	1,221	1,396	1,570	54
7	0,2036	0,407	0,610	0,814	1,018	1,221	1,425	1,628	1,832	53
8	0,2327	0,465	0,698	0,930	1,163	1,396	1,628	1,861	2,094	52
9	0,2617	0,523	0,785	1,047	1,309	1,570	1,832	2,094	2,358	51
10	0,2908	0,581	0,872	1,163	1,454	1,745	2,036	2,327	2,617	50
11	0,3199	0,639	0,959	1,279	1,599	1,919	2,239	2,559	2,879	49
12	0,3490	0,698	1,047	1,396	1,745	2,094	2,443	2,792	3,141	48
13	0,3781	0,756	1,134	1,512	1,890	2,268	2,647	3,025	3,403	47
14	0,4072	0,814	1,221	1,628	2,036	2,443	2,850	3,257	3,665	46
15	0,4363	0,872	1,309	1,745	2,181	2,617	3,054	3,490	3,926	45
16	0,4654	0,930	1,396	1,861	2,327	2,792	3,257	3,723	4,¿88	44
17	0,4945	0,989	1,483	1,978	2,472	2,967	3,461	3,956	4*450	43
18	0,5235	1,047	1,570	2,094	2,617	3,141	3,665	4,188	4,712	42
19	0,5526	1,105	1,658	2,210	2,763	3,316	3,868	4,421	4,974	41
20	0,5817	1,163	1,745	2,327	2,908	3,490	4,072	4,654	5,235	40
21	0,6108	1,221	1,832	2,443	3,054	3,665	4,276	4,886	5,497	39
22	0,6399	1,279	1,919	2,559	3,199	3,839	4,479	5,119	5,759	38
23	0,6690	1,338	2,007	2,676	3,345	4,014	4,683	5,352	6,021	37
24	0,6981	1,396	2,094	2,792	3,490	4,188	4,886	5,585	6,283	Зв
25	0,7272	1,454	2,181	2,908	3,636	4,363	5,090	5,817	6,544	35
26	0,7563	1,512	2,268	3,025	3,781	4,537	5,294	6,050	6,806	34
27	0,7853	1,570	2,356	3,141	3,926	4,712	5,497	6,283	7,068	33
28	0,8144	1,628	2,443	3,257	4,072	4,886	5,701	6,515	7,330	32
29	0,8435	1,687	2,530	3,374	4,217	5,061	5,904	6,748	7,592	31
30	0,8726	1,745	2,617	3,490	4,363	5,235	6,108	6,981	7,853	33
	100	200	300	400	500	600	700	800	900	9
d	29	58	87	116	145	175	204	233	262	Л

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100	0	0	1	1	1	1	1	1	11	
200	1	1	1	1	1	1	1	1	11	
300	1	1	1	1	2	2	2	2	2	2
400	2	2	2	2	2	2	2	2	2	-2
500	2	2	2	2	2	2	2	2	3	3
600	3	3	3	3	3	3	3	3	3	3
700	3	3	3	3	3	3	3	3	3	3
800	3	4	4	4	4	4	4	4	4	4
900	4	4	4	4	4	4	4	4	4	4

"Id	29	58	87	118	145	175	204	233	262
в	3	в	9	12	15	17	20	23	26
7	3	7	10	14	17	20	24	27	31
8	4	8	12	16	19	23	27	31	35
9	4	9	13	17	22	26	31	35	39
10	5	10	15	19	24	29	34	39	44
20	10	19	29	39	48	58	68	78	87
30	15	29	44	58	73	87	102	116	131
40	19	39	58	78	97	116	138	155	175
50	24	48	73	97	121	145	170	194	218

'	100	200	300	400	500	600	700	800	900	'
30	99,9962	199,992	299,988	399,984	499,981	599,977	699,973	799,969	899,965	30
31	99,9959	199,991	299,987	399,983	499,979	599,975	699,971	799,967	899,963	29
32	99,9956	199,991	299,987	399,982	499,978	599,974	699,969	799,965	899,961	28
33	99,9954	199,990	299,986	399,981	499,977	599,972	699,967	799,963	899,958	27
34	99,9951	199,990	299,985	399,980	499,975	599,970	699,965	799,960	899,956	26
35	99,9948	199,989	299,984	399,979	499,974	599,969	699,963	799-,958	899,953	25
36	99,9945	199,989	299,983	399,978	499,972	599,967	699,961	799,956	899,950	24
37	99,9942	199,988	299,982	399,976	499,971	599,965	699,959	799,953	899,947	23
38	99,9939	199,987	299,981	399,975	499,989	599,963	699|957	799,951	899,945	22
cЭ	99,9935	199,987	299,980	399,974	499,967	599,961	699,955	799,948	899,942	21
40	99,9932	199.986	299,979	399,973	499,966	599,959	699,952	799,945	899,939	20
41	99,9928	199,985	299,978	399,971	499,964	599,957	699,950	799,943	899,936	19
42	99,9925	199,985	299,977	399,970	499,962	599,955	699,947	799,940	899,932	18
43	99,9921	199,984	299,976	399,968	499,960	599,953	699,945	799,937	899,929	17
44	99,9918	199,983	299,975	399,967	499,959	599,950	699,942	799,934	899,926	16
45	99,9914	199,982	299,974	399,965	499,957	599,948	699,940	799,931	899,922	15
46	99,9910	199,982	299,973	399,964	499,955	599,946	699,937	799,928	899,919	14
47	99,9906	199,981	299,972	399,962	499,953	599,944	699,934	799,925	899,915	13
48	99,9902	199,980	299,970	399,961	499,951	599,941	699,931	799,922	899,912	12
49	99,9898	199,979	299,969	399,959	499,949	599,939	699,938	799,918	899,908	11
50	99,9894	199,978	299,968	399,957	499,947	599,936	699,926	799,915	899,904	10
51	99,9890	199,978	299,967	399,956	499,945	599,934	699,923	799,912	899,901	9
52	99,9885	199,977	299,965	399,954	499,942	599,931	699,920	799,908	899,897	8
53	99,9881	199,976	299,964	399,952	499,940	599,928	699,916	799,905	899,893	7
54	99,9876	199,975	299,963	399,950	499,938	599,926	699,913	799,901	899,889	6
55	99,9872	199,974	299,961	399,948	499,936	599,923	699,910	799,897	899,884	5
56	99,9867	199,973	299,960	399,947	499,933	599,920	699,907	799¡,893	899,880	4
57	99,9862	199,972	299,958	399,945	499,931	599,917	699,903	799,890	899,876	3
58	99,9857	199,971	299,957	399,943	499,928	599,914	699,900	799,886	899,872	2
59	99,9852	199,970	299,955	399,941	499,926	599,911	699,897	799,882	899,867	1
60	99,9874	199,969	299,954	399,939	499,923	599,908	699,893	799,878	899,863	0
/	100	200	300	400	500	600	700	800	900	/
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100	100	110	120	130	140	150	160	170	180	190				6	0	0	0	0	0	0	0	0	0
200	200	210	220	230	240	250	260	270	280	290				7	0	0	0	0	0	0	0	0	0
300	300	310	320	330	340	350	360	370	380	390				8	0	0	0	0	0	0	0	0	0
400	400	410	420	430	440	450	460	470	480	490				9	0	0	0	0	0	0	0	0	0
500	500	510	520	530	540	550	560	570	580	590				10	0	0	0	0	0	0	0	0	0
600	600	610	620	630	640	650	660	670	680	690				20	0	0	0	0	0	0	0	0	0
700	700	710	720	730	740	750	760	770	780	790				30	0	0	0	0	0	0	0	1	1
800	800	810	820	830	840	850	860	870	880	890				40	0	0	0	0	0	1	1	1	1
900	900	910	920	930	940	950	960	970	980	990				50	0	0	0	0	1	1	1	1	1

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	100	200	300	400		500 600	700	800	900	
30	0,8726	1,745	2,617	3,490	4,363	5,235	6,108	6,981	7,853	30
31	0,9017	1,803	2,705	3,606	4,508	5,410	6,312	7,213	8,115	29
32	0,9308	1,861	2,792	3,723	4,654	5,584	6,515	7,446	8,377	28
33	0,9599	1,919	2,879	3,839	4,799	5,759	6,719	7,679	8,639	27
34	0,9890	1,978	2,967	3,956	4,945	5,934	6,923	7,912	8,901	26
35	1,0180	2,036	3,054	4,072	5,090	6,108	7,126	8,144	9,162	25
36	1,0471	2,094	3,141	4,188	5,235	6,283	7,330	8,377	9,424	24
37	1,0762	2,152	3,228	4,305	5,381	6,457	7,533	8,610	9,686	23
38	1,1053	2,210	3,316	4,421	5,526	6,632	7,737	8,842	9,948	22
39	1,1344	2,268	3,403	4,537	5,672	6,806	7,941	9,075	10,209	21
40	1,1635	2,327	3,490	4,654	5,817	6,981	8,144	9,308	10,471	20
41	1,1926	2,385	3,577	4,770	5,963	7,155	8,348	9,540	10*733	19
42	1,2217	2,443	3,665	4,886	6,108	7,330	8,551	9,773	10,995	18
43	1,2507	2,501	3,752	5,003	6,253	7,504	8,755	10,006	11,257	17
44	1,2798	2,559	3,839	5,119	6,399	7,679	8,959	10,238	11,518	16
45	1,3089	2,617	3,926	5,235	6,544	7,853	9,162	10,471	11,780	15
46	1,3380	2,676	4,014	5,352	6,690	8,028	9,366	10,704	12,042	14
47	1,3671	2,734	4,101	5,468	6,835	8,202	9,569	10,937	12,304	13
48	1,3962	2,792	4,188	5,584	6,981	8,377	9,773	11,169	12,565	12
49	1,4253	2,850	4,275	5,701	7,126	8,551	9,977	11,402	12,827	11
50	1,4543	2,908	4,363	5,817	7,271	8,726	10,180	11,635	13,089	10
51	1,4834	2,966	4,450	5,933	7,417	8,900	10,384	11,867	13,351	9 .
52	1,5125	3,025	4,537	6,050	7,562	9,075	10,587	12,100	13.613	8
53	1,5416	3,083	4,624	6,166	7,708	9,249	10,791	i 2.33JI	13,874	7
54	1,5707	3,141	4,712	6,282	7,853	9,424	10,995	12,565	14,136	6
55	1,5998	3,199	4,799	6,399	7,999	9,598	11,198	12,798	14,398	5
56	1,6289	3,257	4,886	6,515	8,144	9,773	11,402	13,031	14,660	4
57	1,6579	3,315	4,973	6,631	8,289	9,947	11,605	13,263	14,921	3
58	1,6870	3,374	5,061	6,748	8,435	10,122	11,809	13,496	15,183	2
59	1,7161	3,432	5,148	6,864	8,580	10,296	12,013	13,729	15,445	1
60	1,7452	3,490	5,235	6,980	8,726	10,471	12,216	13,961	15,707	0

	100	200	300	400	500	600	700	800	900
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MU	0	10	20	30	40	50	60	70	80	90	*4d*	29	58	87	116	145	175	204	233	262
loo	1	1	2	2	2	2	2	2	2	2	6	3	6	9	12	15	17	20	23	26
200	3	3	3	3	3	3	3	4	4	4	7	3	7	10	14	17	20	24	27	31
300	4	4	4	4	4	5	5	5	5	5	8	4	8	12	16*	19	23	27	31	35
400	5	5	5	6	6	6	6	6	6	6	9	4	9	13	17	22	26	31	35	39
500	7	7	7	7	7	7	7	7	8	8	10	5	10	15	19	24	29	34	39	44
600	8	8	8	8	8	9	9	9	9	9	20	10	19	29	39	48	58	68	78	87
700	9	9	9	10	10	10	10	10	10	10	30	15	29	44	58	73	87	102	116	131
800	10	11	11	11	11	11	11	12	12	12	40	19	39	58	78	97	116	136	155	175
900	12	12	12	12	12	12	13	13	13	13	50	24	48	73	97	121	145	170	194	218

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'	100	200	300	400	500	600	700	800	900	-
0	99,9848	199',969	299,954	399,939	499,923	599,908	£99,893	799,878	899,862	60
1	99,9842	199,968	299,952	399,937	499,921	599,905	699,899	799,874	899,858	59
2	99,9837	199,967	299,951	399,934	499,918	599,902	699,886	799,869	899,853	58
3	99,9832	199,966	299,949	399,932	499,916	599,899	699,882	799,865	899,848	57
4	99,9826	199,965	299,948	399,930	499,913	599,896	699,878	799,861	899,844	56
5	99,9821	199,964	299,946	399,928	499,910	599,892	699,874	799,857	899,839	55
6	99,9815	199,963	299,944	399,926	499,907	599,889	699,871	799,852	899,834	54
7	99,9810	199,962	299,943	399,924	499,905	599,886	699,867	799,848	899,829	53
8	99,9804	199,960	299,941	399,921	499,902	599,882	699,863	799,843	899,823	52
9	99,9798	199,959	299,939	399,919	499,899	599,879	699,859	799,838	899,818	51
10	99,9792	199,958	299,937	399,917	499,896	599,875	699,854	799,834	899,813	50
11	99,9786	199,957	299,936	399,914	499,893	599,872	699,850	799,829	899,808	49
12	99,9780	199,956	299,934	399,912	499,890	599,868	699,846	799,824	899,802	48
13	99,9774	199,954	299,932	399,909	499,887	599,864	699,842	799,819	899,797	47
14	99,9768	199,953	299,930	399,907	499,884	599,861	699,837	799,814	899,791	46
15	99,9762	199,952	299,928	399,904	499,881	599,857	699,833	799,809	899,785	45
16	99,9755	199,951	299,926	399,902	499,877	599,853	(¡99,828	799,804	899,780	44
17	99,9749	199,949	299,924	399,899	499,874	599,849	699,824	799,799	899,774	43
18	99,9742	199,948	299,922	399,897	499,871	599,845	699,819	799,794	899,768	42
19	99,9735	199,947	299,920	399,894	499,867	599,841	699,815	799,788	899,762	41
20	99,9729	199,945	299,918	399,891	499,864	599,837	699,810	799,783	899,756	40
21	99,9722	199,944	299,916	399,888	499,861 '	599,833	699,805	799,777	899,750	39
22	99,9715	199,943	299,914	399,886	499,857	599,829	699,800	799,772	899,743	38
23	99,9708	199,941	299,912	399,883	499,854	599,825	699,795	799,766	899,737	37
24	99,9701	199,940	299,910	399,880	499,850	599,820	699,791	799,761	899,731	36
25	89,9694	199,938	299,908	399,877	499,847	599,816	699,786	799,755	899,724	35
26	99,9687	199,937	299,906	399,874	499,843	599,812	699,780	799,749	899,718	34
27	99,9679	199,935	299,903	399,871	499,839	599,807	699,775	799,743	899,711	33
28	99,9672	199,934	299,901	399,868	499,836	599,803	699,770	799,737	899,705	32
29	99,9064	199,932	299,899	399,865	499,832	599,798	699,765	799,731	899,698	31
30	99,9657	199,931	299,897	399,862	499,828	599,794	699,760	799,725	899,691	30
-	100	200	300	400	500	600	700	800	900	•
d	í	1	2	3	3	4	4	5	6	*d*

+91° —271° *&ij* £8 sin 88°+ 268°—

мм	00	10	20	30	40	50	60	70	80	90
100	100	110	120	130	140	150	160	170	180	190
200	200	210	220	230	240	250	200	270	280	290
300	300	310	320	330	340	350	360	370	380	390
400	400	410	420	430	440	450	460	470	480	490
500	500	510	520	530	540	550	560	570	580	590
600	600	610	620	630	640	650	660	670	680	690
^00	700	710	720	730	740	750	760	770	780	790
800	800	810	820	830	840	850	860	870	880	890
‘JOÛ	900	910	920	930	940	950	960	970	98(1	990

"Id	1	1	2	3	3	4	4	5	6
6	0	0	0	0	0	0	0	1	1
7	0	0	0	0	0	0	1	1	1
8	0	0	0	0	0	1	1	1	1
9	0	0	0	0	0	1	1	1	1
10	0	0	0	0	1	1	1	1	1
20	0	0	1	1	1	1	2	2	2
30	0	1	1	1	2	2	2	3	3
40	0	1	1	2	2	3	3	3	4
50	0	1	2	2	3	3	4	4	5

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*

sin *• *Aв* 358°—
178«+
\

•	too	200	300	400	500	600	700	800	900	”
0	1,7452	3,490	'5,235	6,981	8,726	10,471	12,216	13,962	15,707	60
i	1,7743	3,548	5,323	7,097	8,871	10,646	12,420	14,194	15,969	59
2	1,8034	3,606	5,410	7,213	9,017	10,820	12,623	14,427	16,230	58
3	1,8325	3,665	5,497	7,330	9,162	10,995	12,827	14,660	16,492	57
4	1,8615	3,723	5,584	7,446	S,307	11,169	13,031	14,892	16,754	56
5	1,8906	3,781	5,672	7,562	9,453	11,344	13,234	15,125	17,016	55
6	1,9197	3,839	5,759	7,679	9,598	11,518	13,438	15,358	17,277	54
7	1,9488	3,897	5,846	7,795	9,744	11,693	13,641	15,590	17,539	53
8	1,9779	3,955	5,933	7,911	9,889	11,867	13,845	15,823	17,801	52
9	2,0070	4,014	6,021	8,028	10,035	12,042	14,049	16,056	18,063	51
10	2,0360	4,072	6,108	8,144	10,180	12,216	14,252	16,288	18,324	50
11	2,0651	4,130	6,195	8,260	10,325	12,391	14,456	16,521	18,586	49
12	2,0942	4,188	6,282	8,377	10,471	12,565	14,659	16,754	18,848	48
13	2,1233	4,246	6,370	8,493	10,616	12,740	14,863	16,986	19,110	47
14	2,1524	4,304	6,457	8,609	10,762	12,914	15,066	17,219	19,371	46
15	2,1814	4,363	6,544	8,726	10,907	13,089	15,270	17,452	19,633	45
16	2,2105	4,421	6,631	8,842	11,052	13,263	15,474	17,684	19,895	44
17	2,2396	4,479	6,719	8,958	11,198	13,438	15,677	17,917	20,156	43
18	2,2687	4,537	6,806	9,075	11,343	13,612	15,881	18,149	20,418	42
19	2,2978	4,595	6,893	9,191	11,489	13,786	16,084	18,382	20,680	41
20	2,3269	4,653	6,980	9,307	11,634	13,961	16,288	18,615	20,942	40
21	2,3559	4,712	7,068	9,424	11,779	14,135	16,491	18,847	21,203	39
22	2,3850	4,770	7,155	9,Efy0	11,925	14,310	16,695	19,080	21,465	38
23	2,4141	4,828	7,242	9,656	12,070	14,484	16,899	19,313	21,727	37
24	2,4432	4,886	7,329	9,772	12,216	14,659	17,102	19,545	21,989	36
25	2,4723	4,944	7,416	9,889	12,361	14,833	17,306	19,778	22,250	35
26	2,5013	5,002	7,504	10,005	12,506	15,008	17,509	20,011	22,512	34
27	2,5304	5,061	7,591	10,121	12,652	15,182	17,713	20,243	22,774	33
28	2,5595	5,119	7,678	10,238	12,797	15,357	17,916	20,476	23,035	32
29	2,5886	5,177	7,765	10,354	12,943	15,531	18,120	20,709	23,297	31
30	2,6177	5,235.	7,853	10,470	13,088	15,706	18,323	20,941	23,559	30
-	100	200	300	400	500	600	700	800	900	•
d	29	58	87	146	145	174	204	233	262	*d*

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Ax 88° cos 88°+
268°—

1III	0	10	20	30	40	50	60	70	80	90	7<*	29	58	87	116	145	174	204	233	262
100	2	2	3	3	3	3	3	4	*4*	4	6	3	6	9	12	15	17	20	23	26
200	4	5	5	5	5	5	6	6	6	6	7	3	7	10	14	17	20	24	27	31
300	7	7	7	7	7	8	8	8	8	9	8	4	8	12	16	19	23	27	31	35
400	9	9	9	9	10	10	10	10	10	11	9	4	9	13	17	22	26	31	35	39
500	11	11	11	12	12	12	12	13	13	13	10	5	10	15	19	24	29	34	39	44
600	13	13	14	14	14	14	14	15	15	15	20	10	19	29	39	48	58	68	'78	87
700	15	15	16	16	16	16	17	17	17	17	30	15	29	44	58	73	.87	102	116	131
800	17	18	18	18	18	19	19	19	19	19	40	19	39	58	78	97	116	Í36	155	174
900	20	20	20	20	21	21	21	21	21	22	50	24	48	73	97	121	145	170	194	218

'	100	200	300	400	500	600	700	800	900	$
30	99,9657	199,931	299,897	399,862	499,828	599,794	699,760	799,725	899,691	30
31	99,9649	199,929	299,894	399,859	499,824	599,789	699,754	799,719	899,684	29
32	99,9641	199,928	299,892	399,856	499,820	599,785	699,749	799,713	899,677	28
33	99,9634	199,926	299,890	399,853	499,817	599,780	699,743	799,707	899,670	27
34	99,9626	199,925	299,887	399,850	499,813	599,775	699,738	799,700	899,663	26
35	99,9618	199,923	299,885	399,847	499,809	599,770	699,732	799,694	899,656	25
36	99,9610	199,922	299,883	399,844	499,805	599,766	699,727	799,688	899,649	24
37	99,9601	199,920	299,880	399,840	499,800	599,761	699,721	799,681	899,641	23
38	99,9593	199,918	299,878	399,837	499,796	599,756	699,715	799,674	899,634	22
39	99,9585	199,917	299,875	399,834	499,792	599,751	699,709	799,668	899,626	21
40	99,9576	199,915	299,873	399,830	499,788	599,746	699,703	799,661	899,619	20
41	99,9568	199,913	299,870	399,827	499,784	599,741	699,697	799,654	899,611	19
42	99,9559	199,911	299,867	399,823	499,779	599,735	699,691	799,647	899,603	18
43	99,9551	199,910	299,865	399,820	499,775	599,730	699,685	799,640	899,596	17
44	99,9542	199,908	299,862	399,816	499,771	599,725	699,679	799,633	899,588	16
45	99,9533	199,906	299,860	399,813	499,766	599,720	699,673	799,626	899,580	15
46	99,9524	199,904	299,857	399,809	499,762	599,714	699,667	799,619	899,572	14
47	99,9515	199,903	299,854	399,806	499,757	599,709	699,660	799,612	899,564	13
48	99,9506	199,901	299,851	399,802	499,753	599,703	699,654	799,605	899,555	12
49	99,9497	199,899	299,849	399,798	499,748	599,698	699,648	799,597	899,547	11
50	99,8488	199,897	299,846	399,795	499,744	599,692	699,641	799,590	899,539	10
51	99,9478	199,895	299,843	399,791	499,739	599,687	699,635	799,583	899,530	9
52	99,9469	199,893	299,840	399,787	499,734	599,681	699,628	799,575	899,522	8
53	99,9459	199,891	299,837	399,783	499,729	599,675	699,621	799,567	899,513	7
54	99,9450	199,890	299,835	399,780	499,725	599,670	699,615	799,560	899,505	6
55	99,9440	199,888	299,832	399,776	499,720	599,664	699,608	799,552	899,496	5
56	99,9430	199,886	299,829	399,772	499,715	599,658	699,601	799,544	899,487	4
57	99,9420	199,884	299,826	399,768	499,710	599,652	699,594	799,536	899,478	3
58	99,9410	199,882	299,823	399,764	499,705	599,646	699,587	799,528	899,469	2
59	99,9400	199,880	299,820	399,760	499,700	599,640	699,580	799,520	899,460	1
60	99,9390	199,878	299,817	399,756	499,695	599,634	699,573	799,512	899,451	0
'	100	200	300	400	500	600	700	800	900	'
d	1	2	3	4	4	5	6	7	8	*d*

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+91°
—271°

A *V* 88° sin

t
88‘ +
268‘

им	00 10	20 30	40 50 60	70 80	90	’/*d* 1	2 3 4	4 5 6	7	8
100	100 110	120 130	140 150	160 170 180	190	6 0	0 0 0	0 1 1	1	1
200	200 210	220 230	240 250	260 270 280	290	7 0	0 0 0	1 1 1	1	1
300	300 310	320 330	340 350	360 370 380	390	8 0	0 0 0	1 1 1	1	1
400	400 410	420 430	440 450	4fi0 470 480	490	9 0	0 0 1	1 1 1	1	1
500	500 510	520 530	540 550	560 570 580	590	10 0	0 0 1	1 1 1	1	1
600	600 610	620 630	640 650	660 670 680	690	20 0	1 1 1	2 2 2	2	3
700	700 710	720 730	740 750	760 770 780	790	30 1	1 1 2	2 Я 3	4	4
800	800 810	820 830	840 850	860 870 880	890	40 1	1 2 2	3 4 4	5	5
900	800 910	920 930	940 950	960 970 980	990	50 1	2 2 3	4 4 5	6	6

/	100	200	300	400	500	600	700	800	900	»
30	2,6177	5,235	7,853	10,470	13,088	15.706	18,323	20,941	23,559	30
31	2,6467	5,293	7,940	10,587	13,233	15,880	18,527	21,174	23,821	29
32	2,6758	5,351	8,027	10,703	13,379	16,055	18,731	21,406	24,082	28
33	2,7049	5,409	8,114	10,819	13,524	16,229	18,934	21,639	24,344	27
34	2,7340	5,468	8,202	10,936	13,670	16,404	19,138	21,872	24,606	26
35	2,7630	5,526	8,289	11,052	13,815	16,578	19,341	22,104	24,867	25
36	2,7921	5,584	8,376	11,168	13,960	16,753	19,545	22,337	25,129	24
37	2,8212	5,642	8,463	11,285	14,106	16,927	19,748	22,570	25,391	.23
38	2,8503	5,700	8,551	11,401	14,251	17,102	19,952	22,802	25,652	22
39	2,8794	5,758	8,638	11,517	14,397	17,276	20,155	23,035	25,914	21
40	2,9084	5,817	8,725	11,633	14,542	17,450	20,359	23,267	26,176	20
41	2,9375	5,875	8,812	11,750	14,687	17,625,	20,562	23,500	26,438	19
42	2,9666	5,933	8,899	11,866	14,833	17,799	20,766	23,733	26,699	18
43	2,9957	5,991	8,987	11,982	14,978	17,974	20,969	23,965	26,961	17
44	3,0247	6,049	9,074	12,099	15,123	18,148	21,173	24,198	27,223	16
45	3,0538	6,107	9,161	12,215	15,269	18,323	21,377	24,430	27,484	15
46	3,0829	6,165	9,248	12,331	15,414	18,497	21,580	24,663	27,746	14
47	3,1120	6,224	9,336	12,448	15,560	18,672	21,784	24,896	28,008	13
48	3,1410	6,282	9,423	12,564	15,705	18,846	21,987	25,128	28 269	12
49	3,1701	6,340	9,510	12,680	15,850	19,020	22Д91	25,361	28,531	. 11
50	3,1992	6,398	9,597	12,796	15,996	19,195	22,394	25,593	28,793	10
51	3,2283	6,456	9,684	12,913	16,141	19,369	22,598	25,826	29,054	9
52	3,2573	6,514	9,772	13,029	16,286	19,544	22,801	26,059	29,316	8
53	3,2864	6,572	9,859	13,145	16,432	19,718	23,005	26,291	29,578	7
54	3,3155	6,631 .	9,946	13,262	16,577	19,893	23,208	26,524	29,839	6
55	3,3445	6,689	10,033	13,378	16,723	20,067	23,412	26,756	30,101	5
56	3,3736	6,747	10,121	13,494	16,868	20,242	23,615	26,989	30,363	4
57	3,4027	6,805	10,208	13,611	17,013	20,416	23,819	27,221	30,624	3
58	3,4318	6,863	10,295	13 727	17,159	20,590	24,022	27,454	30.886	2
59	3,4608	6,921	10,382	13,843	17,304	20,765	24,226	27,687	31.147	1
60	3,4899	6,979	10.469	13,959	17,449	20,939	24,429	27,919	31,409	0
t	100	200	300	400	500	6ÖÖ	700	800	900	t
d	29	58	87	116	145	174	204	233	262	*d*

uu	00	10	20	30	40	50	60	70	80	90	'là	29	58	87	116	145	174	204	233	262
100	3	3	4	4	4	5	5	5	5	6	6	3	6	9	12	15	17	20	23	26
200	6	6	7	7	7	8	8	8	9	9	7	3	7	10	14	17	20	24	27	31
300	9	9	10	10	10	11	11	11	12	12	8	4	8	12	16	19	23	27	31	35
40_0	12	13	13	13	13	14	14	14	15	15	9	4	9	13	17	22	26	31	35	39
500	15	16	16	16	16	17	17	17	18	18	10	5	10	15	19	24	29	34	39	44
600	18	19	19	19	20	20	20	20	21	21	20	10	19	29	39	48	58	68	78	87
700	21	22	22	22	23	23	23	24	24	24	3C	15	29	44	58	73	87	102	116	131
800	24	25	25	25	26	26	26	27	27	27	40	19	39	58	78	97	116	136	155	174
900	27	28	28	28	29	29	29	30	30	30	50	24	48	73	97	121	145	170	194	218

—182° + 2° \ cos 2° *Ax* 357°+ 177°— i

'	100	200	300	400	500	600	700	800	900	'
0	99,9390	199,873	299,817	399,756	499,695	599,634	699.573	799,512	899,451	60
1	99,9380	199,876	299,814	399,752	499,690	599,628	699,566	799,504	899,442	59
2	99,9370	199,874	299,811	399,748	499,685	599,622	699,559	799,496	899,433	58
3	99,9359	199,872	299,808	399,744	499,680	599,615	699,552	799,487	899,423	57
4	99.9349	199,869	299,804	399,739	499,674	599,609	699,544	799,479	899,414	56
5	99,9339	199,867	299,801	399,735	499,669	599,603	699,537	799,471	899,405	55
6	99,9328	199,865	299,798	399,731	499,664	599,597	699,529	799,462	899,395	54
7	99,9317	199,863	299,795	399,727	499,658	599,590	699,522	799,454	899,385	53
8	99,9306	199,861	299,792	399,722	499,653	599,584	699,514	799,445	899,376	52
9	99,9296	199,859	299,788	399,718	499,648	599,577	699,507	799,436	899,366	51
10	99,9285	199,857	299,785	399,714	499,642	599,571	699,499	799,428	899,356	50
И	99,9274	199,854	299,782	399,709	499,637	599,564	699,491	799,419	899,346	49
12	99,9262	199,852	299,778	399,705	499,631	599,557	699,484	799,410	899,336	48
13	99,9251	199,850	299,775	399,700	499,625	599,551	699,476	799,401	899,326	47
14	99,9240	199,848	299,772.	399,696	499,620	599,544	699,468	799,392	899,316	46
15	99,9229	199,845	299,768	399,691	499,614	599,537	699,460	799,383	899,306	45
16	99,9217	199,843	299,765	399,687	499,608	599,530	699,452	799,374	899,295	44
17	99,9206	199,841	299,761	399,682	499,603	599,523	699,444	799,364	899,285	43
18	99,9194	199,838	299,758	399,677	499,597	599,516	699,436	799,355	899,274	42
19	99,9182	199,836	299,754	399,673	499,591	599,509	699,427	799,346	899,264	41
20	99,9170	199,834	299,751	399,668	499,585	599,502	699,419	799,336	899,253	40
21	99,9158	199,831	299,747	399,663	499,579	599,495	699,411	799,327	899,243	39
22	99,9147	199,829	299,744	399,658	499,573	599,488	699,402	799,317	899,232	38
23	99,9134	199,827	299,740	399,653	499,567	599,480	699,394	799,307	899,221	37
24	99,9122	199,824	299,730	399,649	499,561	599,473	699,385	799,298	899,210	36
25	99,9110	199,822	299,733	399,644	499,555	599,466	699,377	799,288	899,199	35
20	99,9008	199,819	299,729	399.639	499,549	599,458	699,368	799,278	899,188	34
27	99,9085	199,817	299,725	399,634	499,542	599,451	699,360	799,268	899,177	33
28	99,9073	199,814	299,722	399,629	499,536	599,444	699,351	799,258	899,166	32
29	99,9060	199,812	299,718	399,624	499,530	599,436	699,342	799,248	899,154	31
30	99,9048	199,809	299,714	399,619	499,524	599,428	699,333	799,238	899,143	30
#	100	200	300	400	500	600	700	800	900	'
	1	2	3	6	7	7	8	9	10	*d*

4-92° —272° 87° sin 87°+ 267°—

MM	00	10	20	30	40	50	60	70	80	90	7 *d*	1	2	3	6	7	7	8	9	10
100	100	110	120	130	140	150	160	170	180	190	6	0	0	0	0	1	1	1	1	1
200	200	210	220	230	240	250	260	270	280	290	7	0	0	0	1	1	1	1	1	1
300	300	310	320	330	340	350	360	370	380	390	8	0	0	0	1	1	1	1	1	1
400	400	410	420	430	440	450	460	470	480	490	9	0	0	1	1	1	1	1	1	2
500	500	510	520	530	540	550	560	570	580	590	10	0	0	1	1	1	1	1	2	2
600	600	610	620	630	640	649	659	669	679	689	20	0	1	1	2	2	2	3	3	3
700	699	709	719	729	739	749	759	769	779	789	30	1	1	2	2	3	3	4	5	5
800	799	809	819	829	839	849	859	869	879	889	40	1	2	2	3	4	5	5	6	7
90»	899	909	919	929	939	949	959	969	979	989	50	1	2	3	4	5	6	7	8	9

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$	100	200	300	400	500	600	700	800	900	-
0	3,4899	6,979	10,469	13,959	17,449	20,939	24,429	27,919	31,409	60
1	3,5190	7,038	10,557	14,076	17,595	21,114	24,633	28,152	31,671	59
2	3,5481	7,096	10,644	14,192	17,740	21,288	24,836	28,384	31,932	58
3	3,5771	7,154	10,731	14,308	17,885	21,463	25,040	28,617	32,194	57
4	3,6062	7,212	10,818	14,425	18.031	21,637	25,243	28,849	32,456	56
5	3,6353	7,270.	10,906	14,541	18,176	21,811	>25,447	29,082	32,717	55
r 6	3,6643	7,328	10,993	14,657	18,321	21,986	25,650	29,315	32,979	54
r 7	3,6934	7,386	11,080	14,773	18,467	22,160	25,854	29,547	33,241	53
8	3,7225	7,445	11,167	14,890	18,612	22,335	26,057	29,780	33,502	52
9	3,7515	7,503	11,254	15,006	18,757	22,509	26,261	30,012	33,764	51
10	3,7806	7,561	11,342	15,122	18,903	22,683	26,464	30,245	34,025	30
11	3,8097	7,619	11,429	15,238	19,048	22,858	26,668	30,477	34,287	49
12	3,8387	7,677	11,516	15,355	19,194	23,032	26,871	30,710	34,549	48
13	3,8678	7,735	11,603	15,471	19,339	23,207	27,075	30,942	34,810	47
14	3,8969	7,793	11,690	15,587	19,484	23,381	27,278	31,175	35,072	46
15	3,9259	7,852	11,778	15,704	19,630	23,555	27,481	31,407	35,333	45
16	3,9550	7,910	11,865	15,820	19,775	23,730	27,685	31,640	35,595	44
17	3,9841	7,968	11,952	15,936	19,920	23,904	27,888	31,873	35,857	43
18	4,0131	8,026	12,039	16,052	20,065	24,079	28,092	32,105	36,118	42
19	4,0422	8,084	12,126	16,169	20,211	24,253	28,295	32,338	36,380	41
20	4,0713	8,142	12,214	16,285	20,356	24,427	28,499	32,570	36,641	40
21	4,1003	8,200	12,301	16,401	20,501	24,602	28,702	32,803	36,903	39
22	4,1294	8,258	12,388	16,517	20,647	24,776	28,906	33,035	37,165	38
23	4,1585	8,317	12,475	16,634	20,792	24,951	29,109	33,268	37,426	37
24	4,1875	8,375	12,562	16,750	20,937	25,125	29,313	33,500	37,688	36
25	4,2166	8,433	12,649	16,866	21,083	25,299	29,516	33,733	37,949	35
26	4,2457	8,491	12,737	16,982	21,228	25,474	29,719	33,965	38,211	34
27	4,2747	8,549	12,824	17,099	21,373	25,648	29,923	34,198	38,472	33
28	4,3038	8,607	12,911	17,215	21,519	25,822	30,126	34,430	38,734 '	32
29	4,3328	8,665	12,998	17,331	21,664	25,997	30,330	34,663	38,995	31
30	4,3619	8,723	13,085	17,447	21,809	26,171	30,533	34,895	39,257	30

!	100	200	300	400	500	600	700	800	900	'
à	29	58	87	116	145	174	203	233	262	*d*

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мм	00	10	20	30	40	50	60	70	80	90
100	4	4	5	5	5	6	6	7	7	7
200	8	8	9	9	9	10	10	11	11	И
300	12	12	13	13	<13	14	14	15	15	15
400	16	16	16	17	17	18	18	18	19	19
500	20	20	20	21	21	22	22	22	23	23
600	24	24	24	25	25	26	26	26	27	27
700	27	28	28	29	29	29	30	30	31	31
800	31	32	32	33	33	33	34	34	35	35
900	35	36	36	37	37	37	38	38	38	39

4d	29	58	87	116	145	174	203	233	262
6	3	6	9	12	15	17	20	23	26
7	3	■7	10	14	17	20	24	27	31
8	4	8	12	16	19	23	*il*	31	35
9	4	9	13	17	22	26	31	35	39
10	5	10	15	19	24	29	34	39	44
20	10	19	29	39	48	58	68	78	87
30	15	29	44	58	73	87	102	116	131
40	19	39	58	78	97	116	136	155	174
50	24	48	73	97	121	145	170	194	218

I		eos			2e		Ax			357°+ 177°— i
	100	200	300	400	500	600	700	800	900	■
30	99.9048	199,809	299,714	399,619	499,524	599,428	699,333	799,238	899,143	30
31	99,9035	199,807	299,710	399,614	499,517	599,421	699,324	799,228	899,131	29
32	99,9022	199,804	299,706	399,609	499,311	599,413	699,315	799,218	899,120	28
33	99,9009	199,801	299,702	399,603	499,504	599,405	699,306	799,207	899,108	27
34	99,8996	199,799	299,699	399,598	499,498	599,398	699,297	799,197	899,097	26
35	99,8983	199,796	299,695	399.593	499,491	599,390	699,288	799,186	899,085	25
36	99,8970	199,794	299,691	399,588	499,485	599,382	699,279	799,176	899,073	24
37	99,8957	199,791	299,687	399,582	499,478	599,374	699,270	799,165	899,061	23
38	99,8944	199,788	299,683	399,577	499,472	599,366	699,260	799,155	899,049	22
39	99,8930	199,786	299,679	399,572	499,465	599,358	699,251	799,144	899,037	21
40	99,8917	199,783	299,675	399,566	499,458	599,350	699,241	799,133	899,025	20
41	99,8903	199,780	299,671	399,561	499,451	599,342	699,232	799,122	899,013	19
42	99,8889	199,777	299,666	399,555	499,444	599,333	699,222	799,111	899,000	18
43	99,8876	199,775	299,662	399,550	499,438	599,325	699,213	799,100	898,988	17
44	99,8862	199,772	299,658	399,544	499,431	599,317	699,203	799,089	898,976	16
45	99,8848	199,769	299,654	399,539	499,424	599,309	699,193	799,078	898,963	15
46	99,8834.	199,766	299,650	399,533	499,417	599,300	699,184	799,067	898,950	14
47	99,8820	199,764	299,646	399,528	499,410	599,292	699,174	799,056	898,938	13
48	99,8806	199,761	299,641	399,522	499,403	599,283	699,164	799,044	898,925	12
49	99,8791	199,758	299,637	399,516	499,395	599,275	699,154	799,033	898,912	11
50	99,8777	199,755	299,633	399,511	499,388	599,266	699,144	799,022	898,899	10
51	99,8763	199,752	299,628	399,505	499,381	599,257	699,134	799,010	898,886	9
52	99,8748	199,749	299,624	399,499	499,374	599,249	699,124	798,998	898,873	8
53	99,8734	199,746	299,620	399,493	499,367	599,240	699,113	798,987	898,860	7
54	99,8719	199,743	299,615	399,487	499,359	599,231	699,103	798,975	898,847	6
55	99,8704	199,740	299,611	399,481	499,352	599,222	699,093	798,963	898,834	5
56	99,8689	199,737	299,606	399,475	499,344	599,213	699,082	798,951	898,820	4
57	99,8674	199,734	299,602	399,469	499,377	599,204	699,072	798,939	898,807	3
58	99,8659	199,731	299,597	399,463	499,329	599,195	699,061	798,927	898,793	2
59	99,8644	199,728	299,593	399,457	499,322	599,186	699,051	798,915	898,780	1
60	99,8629	199,725	299,588	399,451	499,314	599,177	699,040	798,903	898,766	0
в	100	200	300	400	500	600	700	800	900	
à	1	3	4	6	7	8	10	11	13	d

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им 00 10	20 30 40 50 60	70 80 90	"Id 1 3 4 6	7 8 10 11 13
100	100 110 120 130 140 150 160 170 180190		6 0 0 0 1	1 1 1
200	200 210 220 230 240 250 260 270 280290		7 0 0 0 1	1 1 1
300	300 310 320 330 340 350 360 370 380390		8 0 0	1 1 2
400	400 410 420 430 439 449 459 469 479489		9 0	1 1 2
500	499 509 519 529 539 549 559 569 579589		10 O	2
600	599 609 619 629 639 649 659 669 679689		20 0	4
700	699 709 719 729 739 749 759 769 779789		30. 1	6
800	799 809 819 829 839 849 859 869 879889		40 1	8
900	899 909 919 929 939 949 959 969 Ь79989		50 1	10

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	100	200	300	400	500	600	700	800	900	•
30	4,3619	8,723	13,085	17,447	21,809	26,171	30,533	34,895	39,257	30
31	4,3910	8,782	13,173	17,564	21,955	26,346	30,737	35,128	39,519	29
32	4,4200	8,840	13,260	17,680	22,100	26,520	30,940	35,360	39,780	28
33	4,4491	8,898	13,347	17,796	22,245	26,694	31,143	35,593	40,042	27
34	4,4781	8,956	13,434	17,912	22,390	26,869	31,347	35,825	40,303	26
35	4,5072	9,014	13,521	18,029	22,536	27,043	31,550	36,058	40,565	25
36	4,5363	9,072	13,608	18,145	22,681	27,217	31,754	36,290	40,826	24
37	4,5653	9,130	13,696	18,261	22,826	27,392	31,957	36,522	41,088	23
38	4,5944	9,188	13,783	18,377	22,972	27,566	32,161	36,755	41,349	22
39	4,6234	9,247	13,870	18,493	23,117	27,740	32,364	36,987	41,611	21
40	4,6525	9,305	13,957	18,610	23,262	27,915	32,567	37,220	41,872	20
, 41	4,6815	9,363	14,044	18,726	23,408	28,089	32,771	37,452	42,134	19
■42	4,7106	9,421	14,132	18,842	23,553	28,263	32,974	37,685	42,395	18
43	4,7397	9,479	14,219	18,958	23,698	28,438	33,178	37,917	42,657	17
44	4,7687	9,537	14,306	19,075	23,843	28,612	33,381	38,150	42,918	16
45	4,7978	9,595	14,393	19,191	23,989	28,786	33,584	38,382	43,180	15
46	4,8268	9,653	14,480	19,307	24,134	28,961	33,788	38,615	43,441	14
47	4,8559	9,711	14,567	19,423	24,279	29,135	33,991	38,847	43,703	13
48	4,8849	9,770	14,655	19,540	24,424	29,309	34,194	39,079	43,964	12
49	4,9140	9,828	14,742	19,656	24,570	29,484	34,398	39,312	44,226	11
50	4,9430	9,886	14,829	19,772	24,715	29,658	34,601 ■	39,544	44,487	10
51	4,9721	9,944	14,916	19,888	24,860	29,832	34,805	39,777	44,749	9
52	5,0011	10,002	15,003	20,004	25,006	30,007	35,008	40,009	45,010	8 .
53	5,0302	10,060	15,090	20,121	25,151	30,181	35,211	40,242	45,272	7
54	5,0593	10,118	15,177	20,237	25,296	30,355	35,415	40,474	45,533	6
55	5,0883	10,176	15,265	20,353	25,441	30,530	35,618	40,706	45,795	5
56	5,1174	10,234	15.3Й2	20,469	25,587	30,704	35,821	40,939	46,056	4
57	5,1464	10,292	15,439	20,585	25,732	30,878	36,025	41,171	46,318	3
58	5,1755	10,351	15,526	20,702	25,877	31,053	36,228	41,404	46,579	2
59	5,2045	10,409	15,613	20,818	26,022	31,227	36,431	41,636	46,841	1
60	5,2336	10,467	15,700	20,934	26,168	31,401	36,635'	41,868	47,102	0
-	100	200	300	400	500	600	700	800	900	*0*
d	. 29	58	87	116	145	174	203	232	261	*d*

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им	00	10	20	30	40	50	60	70	80	90	,'ld	29	58	87	116	145	174	203	232	261
100	5	5	6	6	7	7	8	8	9	9	6	3	6	9	12	15	17	20	23	26
200	10	10	11	11	12	12	12	13	13	14	7	3	7	10	14	17	20	24	27	31
300	14	15	15	16	16	17	17	18	18	19	8	4	8	12	15	19	23	27	31	35
400	19	20	20	21	21	22	22	23	23	24	9	4	9	13	17	22	26	31	35	39
500	24	24	25	25	26	26	27	27	28	28	10	5	10	15	19	24	29	34	39	44
600	29	29	30	30	31	31	32	32	33	33	20	10	19	29	39	48	58	68	77	87
700	34	34	35	35	36	36	36	37	37	38	30	15	29	44	58	73	87	102	116	131
800	38	39	39	40	40	41	41	42	42	43	40	19	39	58	77	97	116	136	155	174
900	43	44	44	45	45	46	46	47	47	47	50	24	48	73	97	121	145	169	194	218

	100	200	300	400	500	600	700	800	900*	
0	99,8630	199,725	299,588	699,451	499,314	599,177	699,040	798,903	898,766	60
1	99,8614	199,722	299,584	399,445	499,307	599,168	699,029	798,891	898,753	59
2	99,8598	199,719	299,579	399,439	499,299	599,159	699,019	798,879	898,739	58
3	99,8583	199,716	209,575	399,433	499,291	599,150	699,008	798,866	898,725	57
4	99,8567	199,713	299,570	399,427	499,283	599,140	698,997	798,854	898,7«	36
5	99,8552	199,710	299,565	399,420	499,276	599,131	698,986	798,841	898,697	55
6	99,8536	199,707	299,561	399,414	499,268	599,122	698,975	798,829	898,683	54
7	99,8520	199,704	299,556	399,408	499,260	599,112	698,964	798,816	898,669	53
8	99,8505	199,701	299,551	399,402	499,252	599,103	698,953	798,804	898,654	52
9	99,8489	199,697	299,546	399,395	499,244	599,093	698,942	798,791	898,640	51
10	99,8473	199,694	299,541	399,389	499,236	599,083	698,931	798,778	898,625	50
11	99,8456	199,691	299,537	399,382	499,228	599,074	698,919	798,765	898,611	49
12	99,8440	199,688	299,532	399,376	499,220	599,064	698,908	798,752	898,596	48
13	99,8424	199,684	299,527	399,369	499,212	599,054	698,897	798,739	898,582	47
14	99,8408	199,681	299,522	399,363	499,204	599,044	698,885	798,726	898,567	48
15	99,8391	199,678	299,517	399,356	499,195	599,035	698,874	798,713	898,552	45
16	99,8375	199,675	299,512	399,350	499,187	599,025	698,862	798,700	898,537	44
17	99,8358	199,671	299,507	399,343	499,179	599,01b	698,850	798,686	898,522	43
18	99,8341	199,668	299,502	399,336	499,170	599,00?	698,839	798,673	898,507	42
19	99,8325	199,665	299,497	399,330	499,162	598,995	698,827	798,660	898,492	41
20	99,8308	199,661	299,492	399,323	499,154	598,984	698,815	798,646	898,477	40
21	99,8291	199,658	299,487	399,316	499,145	598,974	698,803	798,632	898,462	39
22	99,8274	199,654	299,482	399,309	499,137	598,964	698,791	798,619	898,446	38
23	99,8257	199,651	299,477	399,302	499,128	598,954	698,779	798,605	898,431	37
24	99,8239	199,647	299,471	399,295	499,119	598,943	698,767	798,591	898,415	36
25	99,8222	199,644	299,466	399,289	499,111	598,933	698,755	798,578	898,400	35
26	99,8205	199,641	299,461	399,282	499,102	598,923	698,743	798,564	898,384	34
27	99,8187	199,637	299,456	399,275	499,093	598,912	698,731	798,550	898,368	33
28	99,8170	199,634	299,451	399,268	499,085	598,902	698,719	798,536	898,353	32
29	99,8152	199,630	299,445	399,261	499,076	598,891	698,706	798,522	898,337	31
30	99,8134	199,626	299,440	399,253	499,067	598,880	698,694	798,507	898,321	30

	100	200	300	400	500	600	700	800	900	
d	2	3	5	7	8	10	. 12	13	15	*d*

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MU	00	10	20	30	40	50	60	70	80	90
100	100	110	120	130	140	150	160	170	180	190
200	200	210	229	230	240	250	260	270	280	290
300	*300*	310	320	330	340	350	360	370	380	390
400	399	409	419	429	439	449	459	469	479	489
500	499	509	519	529	539	549	559	569	579	589
600	599	609	619	629	639	649	659	669	679	689
700	699	709	719	729	739	749	759	769	779	789
800	799	809	819	829	839	849	859	869	879	889
900	809	909	919	929	938	948	958	968	978	988

"Id	2	3	5	7	8	10	12	13	15
6	0	0	0	1	1	1	1	1	1
7	0	0	1	1	1	1	1	2	2
8	0	0	1	1	1	1	2	2	2
9	0	0	1	1	1	1	2	2	2
10	0	1	1	1	1	2	2	2	2
20	1	1	2	2	3	3	4	4	5
30	1	2	2	3	4	5	6	7	7
40	1	2	3	4	6	7	8	9	10
50	1	3	4	6	7	8	10	11	12

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	100	200	300	400	500	600	700	800	900	*0*
0	5,2336	10,467	15,700	20,934	26,168	31,401	36,635	41,868	47,102	60
1	5,2626	10,525	15.788	21,050	26,313	31,575	38,838	42,101	47,363	59
2	5,2917	10.583	15.875	21,166	26,458	31,750	37,041	42,333	47,625	58
3	5,3207	10,641	15.862	21,283	26,603	31,924	37,245	42,566	47,886	57
4	5,3497	10,699	16,049	21,399	26,749	32,098	37,448	42,798	48,148	56
5	5,3788	10,757	16,136	21.515	26,894	32,273	37,651	43,030	48,409	55
6	5,4078	10,815	16,223	21,631	27,039	32,447	37,855	43,263	48,671	54
7	5,4369	10,873	16,310	21,747	27,184	32,621	38,058	43,495	48.932	53
8	5,4659	10,932	16,398	21,863	27,329	32,795	38,261	43,727	49,193	52
9	5,4950	10,990	16,485	21,980	27,475	32,970	38,465	43,960	49,455	51
to	5,5240	11,048	16,572	22,096	27,620	33,144	38,668	44,192	49,716	50
11	5,5531	t i . i o e	16,659	22,212	27,765	33,318	38,871	44,424	49,978	49
12	5,5821	11,164	16,74«	22,328	27,910	33,492	39,075	44,657	50,239	48
13	5,6112	11,222	16,833	22,444	28,056	33,667	39,278	44,889	50,500	47
14	5,6402	11,280	16,920	22,561	28,201	33,841	39,481	45,121	50,762	46
15	5,6692	11,338	17,007	22,677	28,346	34,015	39,685	45,354	51,023	45
16	5,6983	11,396	17,(195	22,793	28,491	34,190	39,888	45,586	51,284	44
17	5,7273	11,454	17,182	22,909	28,636	34,364	40,091	45,818	51,546	43
18	5,7564	11,512	17,269	23,025	29,782	34,538	40,294	46,051	51,807	42
19	5,7854	11,570	17,356	23,141	28,927	34,712	40,498	46,283	52,069	41
20	5,8144	11,629	17,443	23,258	29,072	34,886	40,701	46,515	52,330	40
21	5,8435	11,687	17,530	23,374	29,217	35,061	40,904	46,748	52,591	39
22	5,8725	11,745	1-7,617	23,490	29,382	35,235	41,108	46,980	52,853	38
23	5,9016	11,803	17,704	23,606	29,508	35,409	41,311	47,212	53,114	37
24	5,9306	11,861	17,792	23,722	29,653	35,583	41,514	47,445	53,375	36
25	5,9596	11,919	17,879	23,838	29,798	35,758	41,717	47,677	53,637	35
20	5,9887	11,977	17,966	23,954	29,943	35,932	41,921	47,909	53,898	34
27	6,0177	12,035	18,053	24,071	30,088	36,106	42,124	48,142	54,159	33
28	6,0467	12,093	18,140	24,187	30,234	36,280	42,327	48,374	54,421	32
29	6,0758	12,151	18,227	24,303	30,379	36,455	42,530	48,606	54,682	31
30	6,1048	12,209	18,314	24,419	30,524	36,629	42,734	48,838	54,943	30 '
	100	200	300	400	500	600	700	800	900	•
d	29	58	87	116	145	174	203	232	261	*d*

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1III	00	10	20	30	40	50	60	70	80	90	'/*d*	29	58	87	116	145	174	203	232	261
100	6	6	7	7	8	9	9	10	10	11	6	3	6	9	12	15	17	20	23	26
200	11	12	12	13	14	14	15	15	16	16	7	3	7	10	14	17	20	24	27	30
300	17	18	18	19	19	20	20	21	22	22	8	4	8	12	15	19	23	27	31	35
400	23	23	24	24	25	26	26	27	27	28	9	4	9	13	17	22	26	30	35	39
500	28	29	29	30	31	31	32	32	33	33	10	5	10	15	19	24	29	34	39	44
600	34	35	35	36	36	37	37	38	39	39	20	10	19	29	39	48	58	68	77	87
700	40	40	41	41	42	43	43	44	44	45	30	15	29	44	58	73	87	102	116	131
800	45	46	46	47	48	48	49	49	50	50	40	19	39	58	77	97	116	136	155	174
900	51	52	52	53	53	54	54	55	56	56	50	24	48	73	97	121	145	169	194	218

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	100	200	300	400	500	600	700	800	900	
30	99,8134	199,626	299,440	399,253	499,067	598,880	698,694	798,507	898,321	30
31	99,8116	199,623	299,435	399,246	499,058	598,870	698,681	798,493	898,305	29
32	99,8099	199,619	299,429	399,239	499,049	598,859	698,669	798,479	898,289	28
33	99,8081	199,616	299,424	399,232	499,040	598,848	698,056	798,464	898,273	27
34	99,8063	199,612	299,418	399,225	499,031	598,837	698,644	798,450	898,256	26
35	99,8044	199,608	299,413	399,217	499,022	598,826	698,631	798,435	898,240	25
36	99,8026	199,605	299,408	399,210	499,013	598,816	698,618	798,421	898,224	24
37	99,8008	199,601	299,402	399,203	499,004	598,805	698,605	798,406	898,207	23
38	99,7990	199,598	299,397	399,196	498,995	598,794	698,593	798,392	898,191	22
39	99,7971	199,594	299,391	399,188	498,985	593,782	698,580	798,377	898,174	21
40	99,7952	199,590	299,385	399,181	498,976	598,771	698,567	798,362	898,157	20
41	99,7934	199,586	299,380	399,173	498,967	598,760	698,554	798,347	898,140	19
42	99,7915	199,583	299,374	399,166	498,957	598,749	698,540	798,332	898,124	18
43	99,7896	199,579	299,369	399,158	498,948	598,738	698,527	798,317	898,107	17
44	99,7877	199,575	299,363	399,151	498,938	'598,726	698,514	798,302	898,090	16
45	99,7858	199,571	299,357	399,143	498,9^9	598,715	698,501	798,287	898,073	15
46	99,7839	199,567	299,351	399,135	498,919	598,703	698,487	798,271	898,055	14
47	99,7820	199,564	299,346	399,128	498,910	598,692	698,474	798,256	898,038	13
48	99,7801	199,560	299,340	399,120	498,900	598,680	698,461	798,241	898,021	12.
49	99,7782	199,556	299,334	399,112	498,891	598,669	698,447	798,225	898,003	11
50	99,7762	199,552	299,328	399,105	498,881	598,657	698,433	798,210	897,986	10
.51	99,7743	199,548	299,322	399,097	498,871	598,645	698,420	798,194	897,968	9
52	99,7723	199,544	299,317	399,089	498,861	598,634	698,406	798,178	897,951	8
53	99,7704	199,540	299,311	399,081	498,852	598,622	698,392	798,163	897,933	7
54	99,7684	199,536	299,305	399,073	498,842	498,610	698,379	798,147	897,915	6
55	99,7664	199,532	299,299	399,065	498,832	598,598	698,365	798,131	897,898	5
56	99,7644	199,528	299,293	399,057	498,822	598,586	698,351	798,115	897,880	4
57	99,7624	199,524	299,287	399,049	498,812	598,574	698,337	798,099	897,862	3
58	99,7604	199,520	299,281	399,041	498,802	598,562	698,323	798,083	897,844	2
59	99,7584	199,516	299,275	399,033	498,792	598,550	698,309	798,067	897,825	1
60	99,7564	199,512	299,269	399,025	498,782	598,538	698,294	798,051	897,807	0

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MM	00	10	20	30	40	50	60	70	80	90
100	100	110	120	130	140	150	160	170	180	190
200	200	210	220	230	239[1]	249	259	269	279	289
300	299	309	319	329	339	349	359	369	379	389
400	399	409	419	429	439	449	459	469	479	489
500	499	509	519	529	539	549	559	569	579	589
600	599	609	619	629	639	649	659	669	679	689
700	698	708	718	728	738	748	758	768	778	788
800	798	808	818	828	838	848	858	868	878	888
900	898	908	918	928	938	948	958	968	978	988 .

'Id	2	4	6	8	10	11	13	15	17
6	0	0	1	1	1	1	1	2	2
7	0	0	1	1	1	1	2	2	2
8	0	1	1	1	1	2	2	2	2
9	0	1	1	1	1	2	2	2	3
10	0	1	1	1	2	2	2	2	3
20	1	1	2	3	3	4	4	5	6
30	¡	2	3	4	5	6	7	8	9
40	i	3	4	5	6	8	9	10	11
50	2	3	5	6	8	9	11	13	14

	100	200	300	400	500	600	700	800	900	
30	6,1048	12,209	18,314	24,419	30,524	36,629	42,734	48,838	54,943	30
31	6,1338	12,267	18,401	24,535	30,669	36,803	42,937	49,071	55,205	29
32	6,1629	12,325	18,488	24,651	30,814	36,977	43,140	49,303	55,466	28
33	6,1919	12,384	18,575	24,767	30,959	37,151	43,343	49,535	55,727	27
,34	6,2209	12,442	18,663	24,884	31,105	37,326	43,547	49,767	55,988	26
35	6,2500	12,500	18,750	25,000	31,250	37,500	43,750	50,000	56,250	25
36	6,2790	12,558	18,837	25,116	31,395	37,674	43,953	50,232	56,511	24
37	6,3080	12,616	18,924	25,232	31,540	37,848	44,156	50,464	56,772	23
38	6,3371	12,674	19,011	25,348	31,685	38,022	44,359	50,697	57,034	22
39	6,3661	12,732	19,098	25,464	31,830	38,196	44,563	50,929	57,295	21
40	6,3951	12,790	19,185	25,580	31,975	38,371	44,766	51,161	57,556	20
41	6,4242	12,848	19,272	25,696	32,121	38,545	44,969	51,393	57,817	19
42	6,4532	12,906	19,359	25,813	32,266	38,719	45,172	51,625	58,079	18
43	6,4822	12,964	19,446	25,929	32,411	38,893	45,375	51,858	58,340	17
44	6,5112	13,022	19,533	26,045	32,556	39,067	45,579	52,090	58,601	16
45	6,5403	13,080	19,621	26,161	32*701	39,241	45,782	52,322	58,862	15
46	6,5693	13,138	19,708	26,277	32,846	39,416	45,985	52,554	59,124	14
47	6,5983	13,196	19,795	26,393	32,991	39,590	46,188	52,787	59,385	13
48	6,6273	13,254	19,882	26,509	33,137	39,764	46,391	53,019	59,646	12
49	6,6564	13,312	19,969	26,625	33,282	39,938	46,594	53,251	59,907	11
50	6,6854	13,370	20,056	26,741	33,427	40,112	46,798	53,483	60,169	10
51	6,7144	13,429	20,143	26,857	33,572	40,286	47,001	53,715	60,430	9
52	6,7434	13,487	20,230	26,974	33,717	40,461	47,204	53,947	60,691	8
53	6,7725	13,545	20,317	27,090	33,862	40,635	47,407	54,180	60,952	7
54	6,8015	13,603	20,404	27,206	34,007	40,809	47,610	54,412	61,213	tí
55	6,8305	12,661	20,491	27,322	34,152	40,983	47,813	54,644	61,475	5
56	6,8595	13,719	20,578	27,438	34,297	41,157	48,017	54,876	61,736	4
57	6,8886	13,777	20,665	27,554	34,443	41,331	48,220	55,108	61,997	3
58	6,9176	13,835	20,752	27,670	34,588	41,505	48,423	55,340	62,258	2
59	6,9466	13,893	20,839	27,786	34,733	41,679	48,626	55,573	62,519	1
60	6,9756	13,951	20,927	27,902	34,878	41,853	48,829	55,805	62,780	0

	100	200	300	400	500	600	700	800	900	
d	29	58	87	116	145	174	203	232	261	*i*

HU	00	10	20	30	40	50	60	70	80	90	•/*d*	29	58	87	116	145	174	203	232	261
100	7	7	8	9	9	10	10	11	12	12	6	3	6	9	12	15	17	20	23	26
200	13	14	14	15	16	16	17	18	18	19	7	3	7	10	14	17	20	24	27	30
300	20	20	21	22	22	23	24	24	25	26	8	4	8	12	16	19	23	27	31	35
400	26	27	27	28	29	29	30	31	31	32	9	4	9	13	17	22	26	31	35	39
500	33	33	34	35	35	36	37	37	38	39	10	5	10	15	19	24	29	34	39	44
600	39	40	41	41	42	43	43	44	44	45	20	10	19	29	39	48	58	68	77	87
700	46	46	47	48	48	49	50	50	51	52	30	15	29	44	58	73	87	102	116	131
800	52	53	54	54	55	56	56	57	58	58	40	19	39	58	78	97	116	136	155	174
900	59	60	60	61	61	62	63	63	64	65	50	24	48	73	97	121	145	169	194	218

'	100	200	300	400	500	600	700	800	900	··
0	99,7564	199,512	299,269	399,025	498,782	598,538	698,294	798,051	897,807	60
1	99,7543	199,508	299,263	399,017	498,771	598,526	698,280	798,034	897,789	59
2	99,7523	199,504	299,256	399,009	498,761	598,513	698,266	798,018	897,770	58
3	99,7502	109,500	299,250	399,001	498,751	598,501	698,251	798,002	897,752	57
4	99,7482	199,496	299,244	398,992	498,741	598,489	698,237	798,985	897,733	5в
5	99,746Î	199,492	299,238	398,984	498,730	598,476	698,223	797,969	897,715	55
e	99,7440	199,488	299,232	398,976	498,720	598,464	698,208	797,952	897,696	54
7	99,7419	199,483	299,225	398,967	498,709	598,451	698,193	797,935	897,677	53
8	99,7399	199,479	299,219	398,959	498,699	598,439	698,179	797,919	897,659	52
9	99,7378	199,475	299,213	398,951	498,689	598,426	698,164	797,902	897,640	51
10	99,7356	199,471	299,207	398,942	498,678	598,414	698,149	797,885	897,621	50
11	99,7335	199,467	299,200	398,934	498,667	598,401	698,135	797,868	897,602	49
12	99,7314	199,462	299,194	398,925	498,657	598,388	698,120	797,851	897,583	48
13	99,7293	199,458	299,187	398,917	498,646	598,375	698,105	797,834	897,563	47
14	99,7271	199,454	299,181	398,908	498,635	598,363	698,090	■797,817	897,544	48
15	99,7250	199,450	299,175	398,900	498,625	598,350	698,075	497,800	897,525	45
16	99,7228	199,445	299,168	398,891	498,614	598,337	698,060	797,782	897,505	44
17	•99,7206	199,441	299,162	398,882	498,603	598,324	698,044	797,765	897,486	43
18	99,7185	199,437	299,155	398,874	498,592	598,311	698.029	797,748	897,466	42
19	99,7163	199,432	299,148	398,865	498,581	598,297	698,014	797,730	897,446	41
20	99,7141	199,428	299,142	398,856	498,570	598,284	697,998	797,713	897,427	40
21	99,7119	199,423	299,135	398,847	498,559	598,271	697,983	797,695	897,407	39
22	99,7097	199,419	299,129	398,838	498,548	598,258	697,968	797,677	897,387	38
23	99,7075	199,415	299,122	398,830	498,537	538,745	697,952	797,660	897,367	37
24	99,7052	199,410	299,115	398,821	498,526	598,231	697,936	797,642	897,347	38
25	99,7030	199,406	299,109	398,812	498,515	598,218	697,921	797,624	897,327	35
26	99,7007	199,401	299,102	398,803	498,503	598,204	697,905	797,606	897,307	34
27	99,6985	199,397	299,095	398,794	498,492	598,191	697,889	797,588	897,286	33
28	99,6962	199,392	299,088	398,785	498,481	598,177	697,873	797,570	897,266	32
29	99,6940	199,388	299,082	398,776	498,470	598,164	607,858	797,552	897,246	31
30	99,6917	199,383	299,075	398,766	498,458	598,150	697,842	797,538	897,225	30
	100	200	300	400	500	600	700	800	900	
d	2	4	6	9	11	13	15	17	19	*d*

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мм	00	10	20	30	40	50	60	70	80	90	*Vd*	2	4	6	9	11	13	15	17	19
100	100	110	120	130	140	150	iéo	170	180	189	6	0	0	1	1	1	1	2	2	2
200	199	209	219	229	239	249	259	269	279	289	7	0	1	1	1	1	2	2	2	г
300	299	309	319	329	339	349	359	369	379	389	8	0	1	1	1	1	2	2	2	3
400	399	409	419	429	439	449	459	469	479	489	9	0	1	1	1	2	2	2	3	3
500	499	509	519	529	539	548	558	568	578	588	10	0	1	1	1	2	2	3	3	3
600	598	608	618	628	638	648	658	668	678	688	20	1	1	2	3	4	4	5	8	8
700	698	708	718	728	738	748	758	768	778	788	30	1	2	3	4	5	6	8	9	10
800	798	808	818	828	838	848	858	868	878	888	40	1	3	4	6	7	9	10	12	13
900	898	907	917	927	937	947	957	967	977	987	50	2	4	5	7	9	11	13	14	16

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i ⊞	100	200	300	400	500	600	700	800	900	
0	6,9756	13,951	20,927	27,902	34,878	41,853	48,829	55,805	62,780	60
1	7,0046	14,009	21,014	28,018	35,023	42,028	49,032	56,037	63,042	59
2	7,0336	14,067	21,101	28,134	35,168	42,202	49,235	56,269	63,303	58
3	7,0627	14,125	21,188	28,250	35,313	42,376	49,438	56,501	63,564	57
4	7,0917	14,183	21,275	28,366	35,458	42,550	49,642	56,733	63,825	56
5	7,1207	14,241	21,362	28,483	35,603	42,724	49,845	57,965	64,086	55
6	7,1497	14,299	21,449	28,599	35,748	42,898	50,048	57,198	64,347	54
7	7,1787	14,357	21,536	28,715	35,893	43,072	50,251	57,430	64,508	53
8	7,2077	14,415	21,623	28,831	36,038	43,246	50,454	57,662	64,870	52
9	7,2367	14,473	21,710	28,947	36,184	43,420	50,657	57,894	65,131	51
10	7,2658	14,531	21,797	29,063	36,329	43,594	50,860	58,126	65,392	50
11	7,2948	14,589	21,884	29,179	36,474	43,768	51,063	58,358	65,653	49
12	7,3238	14,647	21,971	29,295	36,619	43,943	51,266	58,590	65,914	48
13	7,3528	14,705	22,058	29,411	36,764	44,117	51,469	58,822	66,175	47
14	7,3818	14,763	22,145	29,527	36,909	44,291	51,672	59,054	66,436	46
15	7,4108	14,821	22,232	29,643	37,054	44,465	51,876	59,286	66,697	45
16	7,4398	14,879	22,319	29,759	37,199	44,639	52,079	59,518	66,958	44
17	7,4688	14,937	22,406	29,875	37,344	44,813	52,282	59,751	67,219	43
18	7,4978	14,995	22,493	29,991	37,489	44,987	52,485	59,983	67,480	42
19	7,5268	15,053	22,580	30,107	37,634	45,161	52,688	60,215	67,742	41
20	7,5558	15,111	22,667	30,223	37,779	45,335	52,891	60,447	68,003	40
21	7,5849	15,169	22,754	30,339	37,924	45,509	53,094	60,679	68,264	39
22	7,6139	15,227	22,841	30,455	38,069	45,683	53,297	60,911	68,525	38
23	7,6429	15,285	22,928	30,571	38,214	45,857	53,500	61,143	68,786	37
24	7,6719	15,343	23,015	30,687	38,359	46,031	53,703	61,375	69,047	36
25	7,7009	15,401	23,102	30,803	38,504	46,205	53,906	61,607	69,308	35
26	7,7299	15,459	23,189	30,919	38,649	46,379	54,109	61,839	69,569	34
27	7,7589	15,517	23,276	31,035	38,794	46,553	54,312	62,071	69,830	33
28	7,7879	15,575	23,363	31,151	38,939	46,727	54,515	62,303	70,091	32
29	7,8169	15,633	23,450	31,267	39,084	46,901	54,718	62,535	70,352	31
30	7,8459	15,691	23,537	31,383	39,229	47,075	54,921	62,767	70,613	30
	100	200	300	400	500	600	700	800	900	'
d	29	58	87	116	145	174	203	232	261	*d*

—94° 85°+
+274° Ax 85° eos 265°—

Mil	00	10	20	30	40	50	60	70	80	90	"*Id*	29	58	87	116	145	174	203	232	261
100	7	8	9	10	10	11	12	13	13	14	6	3	6	9	12	15	17	20	23	26
200	15	16	16	17	18	19	19	20	20	21	7	3	7	10	14	17	20	24	27	30
300	22	23	24	24	25	26	27	27	28	29	8	4	8	12	15	19	23	27	31	35
400	30	30	31	32	33	33	34	35	36	36	9	4	9	13	17	22	26	30	35	39
500	37	38	39	39	40	41	42	42	43	44	10	5	10	15	19	24	29	34	39	44
600	44	45	46	47	47	48	49	50	50	51	20	10	19	29	39	48	58	68	77	87
700	52	53	53	54	55	56	56	57	58	59	30	15	29	44	58	73	87	102	116	131
800	59	60	61	62	62	63	64	64	65	66	40	19	39	58	77	97	116	135	155	174
900	67	67	68	69	70	70	71	72	73	73	50	24	48	73	97	121	145	169	193	218

.—184° -(-4° \ cos 4° *Ax* 355°-f-175°— t

	100	200	300	400	500	600	700	800	900	/
30	99,6917	199,383	299,075	398,766	498,458	598,150	697,842	797,533	897,225	30
31	99,6894	199,378	299,068	398,757	498,447	598,136	697,826	797,515	897,205	29
32	99,6871	199,374	299,061	398,748	498,435	598,122	697,810	797,497	897,184	28
33	99,6848	199,369	299,054	398,739	498,424	598,109	697,793	797,478	897,163	27
34	99,6825	199,365	299,047	398,730	498,412	598,095	697,777	797,460	897,142	26
35	99,6802	199,360	299,040	398,720	498,401	598,081	697,761	797,441	897,121	25
36	99,6778	199,355	299,033	398,711	498,389	598,067	697,745	797,423	897,100	24
37	99,6755	199,351	299,026	398,702	498,377	498,053	697,728	797,404	897,079	23
38	99,6732	199,346	299,019	398,692	498,366	598,039	697,712	797,385	897,058	22
39	99,6708	199,341	299,012	c98,683	498,354	598,025	697,695	797,366	897,037	21
40	99,6684	199,336	299,005	398,673	498,342	598,010	697,679	797,347	897,016	20
41	99,6661	199,332	298,998	398,664	498,330	597,996	697,662	797,328	896,995	19
42	99,6637	199,327	298,991	398,654	498,318	597,982	697,646	797,309	896,973	18
43	99,6613	199,322	298,984	398,645	498,306	597,968	697,629	797,290	896,952	17
44	99,6589	199,317	298,976	398,635	498,294	'597,953	697,612	797,271	896,930	16
45	99,6565	199,313	298,969	398,626	498,282	597,939	697,595	797,252	896,908	15
46	99,6541	199,308	298,962	398,616	498,270	597,924	697,578	797,233	896,887	14
47	99,6517	199,303	298,955	398,606	498,258	597,910	697,562	797,213	896,865	13
48	99,6492	199,298	298,947	398,597	498,246	597,895	697,545	797,194	896,843	12
49	99,6468	199,293	298,940	398,587	498,234	597,881	697,527	797,174	896,821	11
50	99,6444	199,288	298,933	398,577	498,222	597,866	697,510	797,155	896,799	10
51	99,6419	199,283	298,925	398,567	498,209	577,851	697,493	797,135	896,777	9
52	99,6394	199,278	298,918	398,557	498,197	597,836	697,476	797,115	896,755	8
53	99,6870	199,274	298,911	398,548	•498,185	597,822	697,459	797,096	896,733	7
54	99,6345	199,269	298,903	398,538	498,172	597,807	697,441	797,076	896,710	6
55	99,6320	199,264	298,896	398,528	498,160	597,792	697,424	797,056	896,688	5
56	99,6295	199.259	298,888	398,518	498,147	597,777	697,406	797,036	896,665	4
57	99,6270	199,254	298,881	398,508	498,135	597,762	697,389	797,016	896,643	3
58	99,6245	199,249	298,873	398,498	498,122	597,747	697,371	796,996	896,620	2
59	99,6220	199,244	298,866	398,488	498,110	597,732	697,354	796,976	896,598	1
60	99,6194	199,238	295,858	398,477	498*097	597,716	697,336	796,955	896,575	0

■	100	200 300	400	*500*	*600*	700 800	900	-
d	2	5 7	10	12	14	17 19	22	*d*

T + 94° —274° Л» 85° sin t 85°+ 265°—

MM	00	10	20	30	40	50	60	70	80	90	"*jd* 2	5	7	10	12	14	17	19	22
100	100	110	120	130	139	149	159	169	179	189	6	0	0	1	1	i	1	2	2	2
200	199	209	219	229	239	249	259	269	279	289	7	0	1	1	1	1	2	2	2	3
300	299	309	319	329	339	349	359	369	379	389	8	0	1	1	1	2	2	2	3	3
400	399	408	418	428	438	448	458	468	478	488	9	0	1	1	1	2	2	3	3	3
500	498	508	518	528	538	548	558	568	578	588	10	0	1	1	2	2	2	3	3	4
600	598	608	618	628	638	648	658	668	678	687	20	1	2	2	3	4	5	6	6	7
700	697	707	717	727	737	747	757	767	777	787	30	1	2	4	5	6	7	8	10	11
800	797	807	817	827	837	847	857	867	877	887	40	2	3	5	6	8	10	11	13	14
900	897	907	917	927	937	947	956	966	976	986	50	2	4	6	8	10	12	14	16	18

»	100	200	300	400	500	600	700	800	900	t
30	7,8459	15,691	23,537	31,383	39,229	47,075	54,921	62,767	70,613	30
31	7,8749	15,749	23,624	31,499	39,374	47,249	55,124	62,999	70,874	29
32	7,9039	15,807	23,711	31,615	39,519	47,423	55,327	63,231	71,135	28
33	7,9329	15,865	23,798	31,731	39,664	47,597	55,530	63,463	71,396	27
34	7,9619	15,923	23,885	31,847	39,809	47,771	55,733	63,695	71,657	26
35	7,9909	15,981	23,972	31,963	39,954	47,945	55,933	63,927	71,918	25
36	8,0199	16,039	24,059	32,079	40,099	48,119	56,139	64,159	72,179	24
37	8,0488	16,097	24,146	32,195	40,244	48,293	56,342	64,391	72,440	23
38	8,0778	16,155	24,233	32,311	40,389	48,467	56,545	64,623	72,701	22
39	8,1068	16,213	24,320	32,427	40,534	48,641	56,748	64,855	72,961	21
40	8,1358	16,271	24,407	32,543	40,679	48,815	56,951	65,087	73,222	20
41	8,1648	16,329	24.494	32,659	40,824	48,989	57,154	65,318	73,483	19
42	8,1938	16,387	24,581	32,775	40,969	49,163	57,357	65,550	73,744	18
43	8,2228	16,445	24,668	32,891	41,114	49,337	57,559	65,782	74,005	17
44	8,2518	16,503	24,755	33,007	41,259	49,511	57,762	66,014	74,266	16
45	8,2808	16,561	24,842	33,123	41,404	49,685	57,965	66,246	74,527	15
46	8,3098	16,619	24,929	33,239	41,549	49,858	58,168	66,478	74,788	14
47	8,3388	16,677	25,016	33,355	41,694	50,032	58,371	66,710	75,049	13
48	8,3677	16,735	25,103	33,471	41,839	50,206	58,574	66,942	75,310	12
49	8,3967	16,793	25,190	33,587	41,983	50,380	58,777	67,174	75,571	11
50	8,4257	16,851	25.277	33,703	42,128	50,554	58,980	67,406	75,831	10
51	8,4547	16,909	25,364	33,819	42,273	50,728	59,183	67,638	76,092	9
52	8,4837	16,967	25,451	33,935	42,418	50,902	59,386	67,869	76,353	8
53	8,5127	17,025	25,538	34,050	42,563	51,076	59,589	68,101	76,614	7
54	8,5417	17,083	25,625	34,166	42,708	51,250	59,791	68,333	76,875	6
55	8,5706	17,141	25,712	34,282	42,853	51,424	59,994	68,565	77,136	5
56	8,5996	17,199	25,799	34,398	42,998	51,598	60,197	68,797	77,396	4
57	8,6286	17,257	25,886	34,514	43,143	51,771	60,400	69,029	77,657	3
58	8,6576	17,315	25,972	34,630	43,288	51,945	60,603	69,261	77,918	2
59	8,6866	17,373	26,059	34,746	43,433	52,119	60,806	69,492	78,179	1
60	8,7155	17,431	26,146	34,862	43,577	52,293	61,009	69,724	78,440	0
	100	200	300	400	500	600	700	800	900	•
d	29	58	87	116	145	174	203	232	261	*d*

t —94° (-274° &x 85° cos t 85°+ 265°— %

мы 00	i 10 20	30 40	50 60	70 80	90 *Id*	29 58	87 116	145 174	203 232	261
100 8	9 10	11 12	12 13	14 15	16 6	3 6	9 12	14 17	20 23	26
200 17	17 18	19 20	21 22	22 23	24 7	3 7	10 14	17 20	24 27	30
300 25	26 26	27 28	29 30	31 31	32 8	4 8	12 15	19 23	27 31	35
400 33	34 35	36 36	37 38	39 40	41 9	4 9	13 17	22 26	30 35	39
500 41	42 43	44 45	46 46	47 48	49 10	5 10	14 19	24 29	34 39	43
600 50	51 51	52 53	54 55	55 56	57 20	10 19	29 39	48 58	68 77	87
700 58	59 60	60 61	62 63	64 65	65 30	14 29	43 58	72 87	101 116	130
800 66	67 68	69 70	70 71	72 73	74 40	19 39	58 77	97 116	135 155	174
900 75	75 76	77 78	79 79	80 81	82 50	24 48	72 97	121 145	169 193	217

'	100	200	300	400	500	600	700	800	900	'
0	99,6194	100,238	298,858	398,477	498,097	597,716	697,336	796,955	896,575	60
1	99,6169	199,233	298,850	398,467	498,084	597,701	697,318	796,935	896,552	59
2	99,6143	199,228	298,843	398,457	498,071	597,686	697,300	796,915'	896,529	58
3	99,6118	Í99.223	299,835	398,447	498,059	597,670	697,282	796,894	896,506	57
4	99,6092	199,218	298,827	398,437	498,046	597,655	697,264	796,874	896,483	56
5	99,6066	199,213	298,820	398,426	498,033	597,640	697,246	796,853	896,460	55
6	99,6041	199,208	298,812	398,416	498,020	597,624	697,228	796,832	896,436	54
7	99,6015	199,203	298,804	398,406	498,007	597,609	1697,210	796,812	896,413	53
8	99,5989	199,197	298,796	398,395	497,994	597,593	697,192	796,791	896,390	52
9	99,5963	199,192	298,788	398,385	497,981	597,577	697,174	796,770	896,366	51
10	99,5936	199,187	298,781	398,374	497,968	597,562	697,155	796,749	896,343	50
11	99,5910	199,182	298,773	398,364	497,955	597,546	697,137	796,728	896,319	49
12	99,5384	199,176	298,765	398,353	497,942	597,530	697,119	796,707	896,295	48
13	99,5858	199,171	298,757	398,343	497,929	597,514	697,100	796,686	896,272	47
14	99,5831	199,166	298,749	398,332	497,915	597,498	697,082	796,665	896,248	46
15	99,5804	199,160	298,741	398,321	497,902	597,482	697,063	796,643	896,224	45
IS	99,5778	199,155	298,733	398,311	497,889	597,466	697,044	796,622	896,200	44
47	99,5751	199,150	298,725	398,300	497,875	597,450	697,026	796,601	896,176	43
18	99,5724	199,144	298,717	398,289	497,862	597,434	697,007	796,579	896,152	42
19	99,5697	199,139	298,709	398,279	497,848	597,418	696,988	796,558	896,128	41
20	99,5670	199,134	298,701	398,268	497,835	597,402	696,969	796,536	896,103	40
21	99,5643	199,128	298,693	398,257	497,821	597,386	696,950	796,514	896,079	39
22	99,5616	199,123	298,684	398,246	497,808	597,369	696,931	796,493	896,054	38
23	99,5589	199,117	298,676	398,235	497,794	597,353	696,912	796,471	896,030	37
24	,99,5561	199,112	298,668	398,224	497,780	597,337	696,893	796,449	896,005	36
25	99,5534	199,106	298,660	398,213	497,767	597,320	696,874	796,427	895,981	35
26	99,5507	199,101	298,652	398,202	497,753	597,304	696,854	796,405	895,956	34
27	99,5479	199,095	298,643	398,191	497,739	597,287	696,835	796,383	895,931	33
28	99,5451	199,090	298,635	398,180	497,725	597,271	696,816	796,361	895,906	32
29	99,5424	199,084	298,627	398,169	497,712	597,254	696,796	796,339	895,881	31
30	99,5396	199,079	298,618	398,158	497,698	597,237	696,777	796,316	895,856	30

	100	200	300	400	500	600	700	800	900	/
d	3	5	8	11	13	16	19	21	24	*d*

t 95° ■275° — 84° — • sin — t 84°+ 264°—

MM	00	10	20	30	40	50	60	70	80	90	"/*d*	3	5	8	11	13	16	19	21	24
100	100	110	119	129	139	149	159	169	179	189	6	0	1	1	1	1	2	'2	2	2
200	199	209	219	229	239	249	259	269	279	289	7	0	1	1	1	2	2	2	3	3
300	299	309	319	329	339	349	358	368	378	388	8	0	1	1	1	2	2	2	3	3
400	398	408	418	428	438	448	458	468	478	488	9	0	1	1	2	2	2	3	3	4
500	498	508	518	528	538	548	558	568	578	588	10	0	1	1	2	2	3	3	4	4
600	597	C07	617	627	637	647	657	667	077	687	20	1	2	3	4	4	5	6	7	8
700	697	707	717	727	737	747	757	767	777	787	30	1	3	4	5	7	8	9	11	12
800	797	807	817	827	836	846	856	866	876	886	40	2	4	5	7	9	11	12	14	16
900	896	906	916	926	936	946	956	966	971»	980	50	2	4	7	S)	11	13	16	18	20

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t	100	200	300	400	500	600	700	800	900	
0	8,7155	17,431	26,146	34,862	43,577	52,293	61,009	69,724	78,440	60
1	8,7445	17,489	26,233	34,978	43,722	52,467	61,211	69,956	78,701	59
2	8,7735	17,547	26,320	35,094	43,867	52,641	61,414	70,188	78,961	58
3	8,8025	17,605	26,407	35,210	44,012	. 52,815	61,617	70,420	79,222	57
4	8,8314	17,663	26,494	35,326	44,157	52,988	61,820	70,651	79,483	56
5	8,8604	17,721	26,581	35,441	44,302	53,162	62,023	70,883	79,744	55
6	8,8894	17,778	26,668	35,557	44,447	53,336	62,226	71,115	80,004	54
7	8,9184	17.836	26,755	35,673	44,592	53,510	62,428	71,347	80,265	53
8	8,9473	17,894	26,842	35,789	44,736	53,684	62,631	71,579	80,526	52
9	8,9763	17,952	26,929	39,905	44,881	53,858	62,834	71,810	80,787	51
10	9,0053	18,010	27,016	36,021	45,026	54,032	63,037	72,042	81,047	50-
11	9,0342	18,068	27,102	36,137	45,171	54,205	63,240	72,274	81,308	49'
12	9,0632	18,126	27,189	36,253	45*316	54,379	63,442	72,506	81,569	48
13	9,0922	18,184	27,276	36,369	45,461	54,553	63,645	72,737	81,830	47
14	9,1212	18,242	27,363	36,484	45,606	54,727	63,848	72,969	82,000	46
15	9,1501	18,300	27,450	36,600	45,750	54,901	64,051	73,201	82,351	45
16	9,1791	*8,358	27,537	36,716	45,895	55,074	64,253	73,433	82,612	44
17	9,2081	18,416	27,624	36,832	46,040	55,248	64,456	73,664	82,872	43
18	9,2370	18,474	27,711	36,948	46,185	55,422	64,659	73,896	83,133	42
19	9,2660	18,532	27,798	37,064	46,330	55,596	64,862	74,128	83,394	41
20	9,2949	18,590	27,885	37,180	46,475	55,770	65,064	74,359	83,654	40*
21	9,3239	18,647	27,971	37,295	46,619	55,943	65,287	74,591	83,915	39
22	9,3529	18,705 ■	28,058	37,411	46,764	56,117	65,470	74,323	84,176	38
23	9,3818	13,763	28,145	37,527	46,909	56,291	65,673	75,055	84,436	37
24	9,4t08	18,821	28,232	37,643	47,054	56,465	65,875	75,286	84,697	36
25	9,4398	18,879	28,319	37,759	47,199	56,638	66,078	75,518	84,958	35
26	9,4687	18,937	28.406	37,875	47,343	56,812	66,281	75,750	85,218	34
27	9,4977	18,995	28,493	37,990	47,488	56,986	66,484	75,981	85,479	33
28	9,5266	19,053	28,580	38,106	47,633	57,160	66,686	76,213	85,740	32
29	9,5556	19,111	28,666	38,222	47,778	57,333	66,889	76,445	86,000	31
30	9,5845	19,169	28,753	38,338	47,922	57,507	67,092	76,676	86,261	30
-	100	200	300	400	500	600	700	800	900	'
d	29	58	87	116	145	174	203	233	261	*d*

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Д* 84° eos

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им	00	*40*	20	30	40	50	60	70	80	90	*"Id*	29	58^	87	116	145	174	203	232	261
100	9	10	11	12	13	14	15	16	16	17	6	3	6	9	12	14	17	20	?,3	26
200	18	19	20	21	22	23	24	25	26	27	7	3	7	10	14	17	20	?4	27	30
300	27	28	29	30	31	32	33	34	35	36	8	4	8	12	15	19	23	27	31	35
400	37	38	38	39	40	41	42	43	44	45	9	4	9	13	17	22	26	30	35	39
500	46	47	48	48	49	50	51	52	53	54	10	5.	10	14	19	24	29	34	39	43
600	55	56	57	58	59	59	60	61	62	63	20	10	19	29	39	48	58	68	77	87
700	64	65	66	67	68	69	70	70	71	72	30	14	29	43	58	72	87	101	116	130
800	73	74	75	76	77	78	79	80	81	81	40	19	39	58	77	97	116	135	154	174
900	82	83	84	85	86	87	88	89	90	91	50	24	48	72	97	121	145	169	193	217

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0	100	200	300	400	500	600	700	800	900	в
30	99,5396	199,079	298,618	398,158	497,698	597,237	696,777	796,316	895,856	30
31	99,5368	199,073	298,610	398,147	497,684	597,220	696,757	796,294	895,831	29
32	99,5340	199,068	298,602	398,136	497,670	597,204	696,738	796,272	895,806	28
33	99,5312	199,062	298,593	398,124	497,656	597,187	696,718	796,249	895,780	27
34	99,5284	199,056	298,585	398,113	497,642	597,170	696,698	796,227	895,755	26
35	99,5255	199,051	298,576	398,102	497,627	597,153	696,679	796,204	895,730	25
36	99,5227	199,045	298,568	398,090	497,613	597,136	696,659	796,181	895,704	24
37	99,5198	199,039	298,559	398,079	497,599	597,119	696,639	796,159	895,‘679	23
38	99,5170	199,034	298,551	398,068	497,585	597,102	696,619	796,136	895,653	22
39	99,5141	199,028	298,542	398,056	497,570	597*885	696,599	796,113	895,627	21
40	99,5113	199,022	298,533	398,045	497,556	597,067	696,579	796,090	895,601	20
41	99,5084	199,016	298,525	398,033	497,542	597,050	696,559	796,067	895,575	19
42	99,5055	199,011	298,516	398,022	497,527	597,033	696,538	796,044	895,550	18
43	99,5026	199,005	298,508	398,010	497,513	597,015	696,518	796,021	895,523	17
44	99,4997	198,999	298,499	397,999	497,498	596,998	696,498	795,998	895,497	16
45	99,4968	198,993	298,490	397,987	497,484	596,981	696,477	795,974	895,471	15
46	99,4939	198,987	298,481	397,975	497,469	596,963	696,457	795,951	895,445	14
47	99,4910	198,982	298,473	397,964	497,455	596,946	696,437	795,928	895,419	13
48	99,4880	198,976	298,464	397,952	497,440	596,928	696,416	795,904	895,392	12
49	99,4851	108,970	298,455	397,940	497,425	596,910	696,395	795,881	895 366	11
50	99,4821	198,964	298,446	397,928	497,410	596,893	696,375	795,857	895,339	10
51	99,4792	198,958	298,437	397,916	497,396	596,875	696,354	795,833	895,312	9
52	99,4762	198,952	298,428	397,904	497,381	596,857	696,333	795,809	895,286	8
53	99,4732	198,946	298,419	397,893	497,366	596,839	696,312	795,786	895,259	7
54	99,4702	198,940	298,410	397,881	497,351	596,821	696,291	795,762	895,232	6
55	99,4672	198,934	298,401	397,869	497,336	596,803	696,271	795,738	895,205	5
56	99,4642	198,928	298,392	397,857	497,321	596,785	696,249	795,714	895,178	4
57	99,4612	198,922	298,383	397,845	497,306	596,767	696,228	795,690	895,151	3
58	99,4582	198,916	298,374	397,833	497,291	596,749	696,207	795,666	895,124	2
59	99,4552	198,910	298,365	397,820	497,276	596,731	696,186	795,641	895,097	1
60	99,4521	198,904	298,356	397,808	497,260	596,713	696,165	795,617	895,069	0
'	100	200	300	400	500	600	700	800	900	'
d	3	6	9	12	15	18	20	23	26	d

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мм	00	10	20	30	40	50	60	70	80	90	"Id	3	6	9	12	15	18	20	23	26
100	90	109	119	129	139	149	159	169	179	189	6	0	1	1	1	1	2	2	2	3
200	199	209	219	229	239	249	259	269	279	289	7	0	1	1	1	2	2	2	3	3
300	298	308	318	328	338	348	358	368	378	388	8	0	1	1	2	2	2	3	3	3
400	398	408	418	428	438	448	458	468	478	488	9	0	1	1	2	2	3	3	3	4
500	497	507	517	527	537	547	557	567	577	588	10	0	1	1	2	2	3	3	4	4
600	597	607	617	627	637	647	657	667	677	(«7	20	1	2	3	4	5	6	7	8	9
700	696	706	716	726	736	746	756	766	776	786	30	1	3	4	6	V	9	10	12	13
800	796	806	816	826	83fi	846	856	866	876	886	40	2	4	6	8	10	12	14	16	17
900	895	905	915	925	935	945	955	965	975	985	50	2	5	7	10	12	15	17	19	22

»	100	200	300	400	500	600	700	800	900	/
30	9,5845	19,169	28,753	38,338	47,922	57,507	67,092	76,676	86,261	30
31	9,6135	19,227	28,840	38,454	48,067	57,681	67,294	76,908	86,521	29
32	9,6424	19,285	28,927	38,570	48,212	57,854	67,497	77,139	86,782	28
33	9,6714	19,342	29,014	38,685	48,357	58,028	67,700	77,371	87,043	27
34	9,7003	19,400	29,101	38,801	48,502	58,202	67,902	77,603	87,303	26
35	9,7293	19,458	29,188	38,917	48,646	58,376	68,105	77,834	87,564	25
36	9,7582	19,516	29,274	39,033	48,791	58,549	68,308	78,066	87,824	24
37	9,7872	19,574	29,361	39,149	48,936	58,723	68,510	78,298	88,085	23
38	9,8161	19,632	29,448	39,264	49,081	58,897	68,713	78,529	88,345	22
39	9,8451	19,690	29,535	39,380	49,225	59,070	68,916	78,761	88,606	21
40	9,8740	19,748	29,622	39,496	49,370	59,244	69,118	78,992	88,866	20
41	9,9030	19,806	29,709	39,612	49,515	59,418	69,321	79,224	89,127	19
42	9,9319	19,864	29,79«	39,727	49,659	59,591	69,523	79,455	89,387	18
43	9,9609	19,921	29,882	39,843	49,804	59,765	69,726	79,687	89,648	17
44	9,9898	19,979	29,969	39,959	49,949	59,939	69,929	79,918	89,908	16
45	10,0188	20,037	30,056	40,075	50,094	60,112	70,131	80,150	90,169	15
46	10,0477	20,095	30,143	40,191	50,238	60,286	70,334	80,382	90,429	14
47	10,0766	20,153	30,230	40,306	50,383	60,460	70,536	80,613	90,690	13
48	10,1056	20,211	30,316	40,422	50,528	60,633	70,739	80,845	90,950	12
49	10,1345	20,269	30,403	40,538	50,672	60,807	70,942	81,076	91,211	11
50	10,1635	20,327	30,490	40,654	50,817	60,981	71,144	81,308	91,471	10
51	10,1924	20,384	30,577	40,769	50,962	61,154	71,347	81,539	91,732	9
52	10,2213	20,442	30,664	40,885	51,107	61,328	71,549	81,771	91,992	8
53	10,2503	20,500	30,751	41,001	51,251	61,502	71,752	82,002	92,252	7
54	10,2792	20,558	30,837	41,117	51,396	61,675	71,954	82,234	92,513	6
55	10,3081	20,616	30,924	41,232	51,541	61,849	72,157	82,465	92,773	5
56	10,3371	20,674	31,011	41,348	51,685	62,022	72,359	82,697	93,034	4
57	10,3660	20,732	31,098	41,464	51,830	62,196	72,562	82,928	93,294	3
58	10,3949	20,790	31,185	41,580	51,975	62,370	72,764	83,159	93,554	2
59	10,4239	20,847	31,271	41,695	52,119	62,543	72,967	83,391	93,815	1
60	10,4528	20,905	31,358	41,811	52,264	62,717	73,170	83,622	94,075	0
t	100	200	300	400	5Ö0	600	700	800	900	'
d	29	58	87	116	145	174	203	232	261	*d*

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MM	00	10	20	30	40	50	60	70	80	90	'/*d*	29	58	87	116	145	174	203	232	261
100	10	11	12	13	14	15	16	17	18	19	6	3	6	9	12	14	17	20	23	26
200	20	21	22	23	24	25	26	27	28	29	7	3	7	10	14	17	20	24	27	30
300	30	31	32	83	34	35	36	37	38	39	8	4	8	12	15	19	23	27	31	35
400	40	41	42	43	44	45	46	47	48	49	9	4	9	13	17	22	26	30	35	39
500	50	51	52	53	54	55	56	57	58	59	10	5	10	14	19	24	29	34	39	43
600	60	61	62	63	64	65	66	67	68	69	20	10	19	29	39	48	58	68	77	87
700	70	71	72	73	74	75	76	77	78	79	30	14	29	43	58	72	87	101	116	130
800	80	81	82	83	84	85	8fi	87	88	89	40	19	39	58	77	96	116	135	154	174
900	90	91	92	93	94	95	96	97	98	99	50	24	48	72	96	121	145	169	193	217

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!	100	200	300	400	500	600	700	800	900	t
0	99,4521	198,904	298,356	397,808	497,260	596,713	696,165	795,617	895,069	60
1	99,4491	198,898	298,347	397,796	497,245	596,694	696,144	795,593	895,042	59
2	99,4460	198,892	298,338	397,784	497,230	596,676	696,122	795,568	895,014	58
3	99,4430	198,886	298,329	397,772	497,215	696,658	696,101	795,544	894,987	57
4	99,4399	198,879	298,319	397,759	497,199	566,639	696,079	795,519	894,959	56
5	99,4368	198,873	298,310	397,747	497,184	596,621	696,058	795,495	894,931	55
6	99,4337	198,867	298,301	397,735	497,168	596,602	696,036	795,470	894,904	54
7	99,4307	198,861	298,292	397,722	497,153	596,584	696,014	795,445	894,876	53
8	99,4275	198,855	298,282	397,710	497,137	596,565	695,993	795,420	894,848	52
9	99,4244	198,848	298,273	397,697	497,122	596,546	695,971	795,395	894,820	51
10	99,4213	198,842	298,264	397,685	497,106	596,528	695,949	795,370	894,792	50
и	99,4182	198,836	298,254	397,672	497,091	596,509	695,927	795,345	894,764	49
12	99,4150	198,830	298,245	397,660	497,075	596,490	695,905	795,320	894,735	48
13	99,4119	198,823	298,235	397,647	497,059	596,471	695,883	795,295	894,707	47
14	99,4087	198,817	298,226	397,635	497,043	596,452	695,861	795,270	894,679	46
15	99,4056	198,811	298,216	397,622	497,028	596,433	695,839	795,245	894,650	45
16	99,4024	198,804	298,207	397,609	497,012	596,414	695,817	795,219	894,622	44
17	99,3992.	198,798	298,197	397,597	496,996	596,395	695,794	795,194	894,593	43
18	99,3960	198,792	298,188	397,584	496,980	596,376	695,772	795,168	894,564	42
19	99,3929	198,785	298,178	397,571	496,964	596,357	695,750	795,143	894,536	41
20	99,3896	198,779	298,169	397,558	496,948	596,338	695,727	795,117	894,507	40
21	99,3864	198,772	298,159	397,545	496,932	596,318	695,705	795,091	894,478	39
22	99,3832	198,766	298,149	397,533	496,916	596,299	695,682	795,066	894,449	38
23	99,3800	198,760	298,140	397,520	496,900	596,280	695,660	795,040	894,420	37
24	99,3767	198,753	298,130	397,507	496,883	596,260	695,637	795,014	894,391	36
25	99,3735	198,747	298,120	397,494	496,867	596,241	695,614	794,988	894,361	35
26	99,3702	198,740	298,110	397,481	496,851	596,221	695,592	794,962	894,332	34
27	99,3670	198,734	298,101	397,468	496,835	596,202	695,569	794,936	894,303	33
28	99,3637	198,727	298,091	397,455	496,818	596,182	695,546	794,910	894,273	32
29	99,3604	198,720	298,081	397,441	4%,802	596,162	695,523	794,883	894,244	31
30	99,3571	198,7141	298,071	397,428	496,785	596,143	695,500	794,857	894,214	30
'	100	200	300	400	500	600	700	800	900	
d	3	в	10	13	16	19	22	25	29	d

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100	99 109	119 129	139 149	159 169 179	189 6	0 1 1	1 2	2 2	3 3
200	199 209	219 229	239 249	258 268 278	288 7	0 1 1	1 2	2 3	3 3
300	298 308	318 328	338 348	358 368 378	388 8	0 1 1	2 2	3 3	3 4
400	398 408	418 427	437 447	457 467 477	487 9	0 1 1	2 2	3 3	4 4
500	497 507	517 527	537 547	557 567 577	586 10	1 1 2	2 3	3 4	4 5
600	596 606	616 626	636 646	656 666 676	686 20	1 2 3	4 5	6 7	8 10
700	696 706	716 726	7-36 746	755 765 775	785 30	2 3 5	6 8	10 11	13 14
800	795 805	815 825	835 845	855 865 875	885 40	2 4 6	8 11	13 15	1? 19
900	985 905	915 924	934 944	954 964 974	984 50	3 5 8	11 13	16 19 :	21 : 24

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'	100	200	300	400	500	600	700	800	900	t
0	10,4528	20,905	31,358	41,811	52,264	62,717	73,169	83,622	94,075	60
1	10,4817	20,963	31,445	41,927	52,408	62,890	73,372	83,854	94,335	59
2	10,5107	21,021	31,532	42,042	52,553	63,064	73,574	84,085	94,596	58
3	10,5396	21,079	31,618	42,158	52,698	63,237	73,777	84,317	94,856	57
4	10,5685	21,137	31,705	42,274	52,842	63,411	73,979	84,548	95,117	56
5	10,5974	21,194	31,792	42,389	52,987	63,584	74,182	84,779	95,377	55
6	10,6264	21,252	31,879	42,505	53,132	63,758	74,384	85,011	95,637	54
7	10,6553	21,310	31,966	42,621	53,276	63,931	74,587	85,242	95,897	53
8	10v6842	21,368	32,052	42,737	•53,421	64,105	74,789	85,474	96,158	52
9	10,7131	21,426	32,139	42,852	53,565	64,279	74,992	85,705	96,418	51
10	10,7420	21,484	32,226	42,968	53,710	64,452	75,194	85,936	96,678	50
11	10,7710	21,542	32,313	43,084	53,855	64,626	75,397	86,168	96,939	49
12	10,7999	21,599	32,399	43,199	53,999	64,799	75,599	86,399	97,199	48
13	10,8288	21,657	32,486	43,315	54,144	64,973	75,801	86,630	97,459	47
14	10,8577	21,715	32,573	43,431	54,288	65,146	76,004	86,862	97,719	46
15	10,8806	21,773	32,660	43,546	54,433	65,320	76,206	87,093	97,980	45
lß	10,9156	21,831	32,746	43,662	54,578	65,493	76,409	87,324	98,240	44
17	10,9445	21,889	32,833	43,778	54,722	65,667	76,611	87,556	98,500	43
18	10,9734	21,946	32,920	43,893	54,867	65,840	76,814	87,787	98,760	42
19	11,0023	22,004	33,007	44,009	55,011	66,014	77,016	88,018	99,021	41
20	11,0312	22,062	33,093	44,125	55,156	66,187	77,218	88,250	99,281	40
21	11,0601	22,120	33,180	44,240	55,300	66,361	77,421	88,481	99,541	39
22	11,0890	22,178	33,267	44,356	55,445	66,534	77,623	88,712	99,801	38
23	11,1179	22,235	33,353	44,471	55,589	66,707	77,825	88,943	100,061	37
24-	11,1468	22,293	33,440	44,587	55,734	66,881	78,028	89,175	100,322	36
25	11,1758	22,351	33,527	44,703	•05,879	67,054	78,230	89,406	100,582	35
26'	11,2047	22,409	33,614	44,818	56,023	67,228	78,432	89,637	100,842	34
27	11,2336	22,467	33,700	44,934	56,168	67,401	78,635	89,868	101,102	33
28	11,2625	22,525	33,787	45,050	56,312	67,575	78,837	90,100	101,362	32
29	11,2914	22,582	33,874	45,165	56,457	67,748	79,039	90,331	101,622	31
30	11.3203	22,640	33,960	45,281	56,601	67,921	79,242	90,562	101,882	30
'	100	200	300	400	500	600	700	800	900	'
d	29	58	87	116	145	173	202	231	260	*d*

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100 11 12	13	14	15	16	17	19	¿0	21	6 3 6 9	12	14	17	20	23 26
1200 22 23	24	25	26	27	28	29	30	32	7 3 7 10	13	17	20	24	27 30
300 33 34	35	36	37	38	39	40	41	42	8 4 8 12	15	19	23	27	31 35
400 44 45	46	47	48	49	50	51	52	53	9 4 9 13	17	22	26	30	35 39
500 54 56	57	58	59	60	61	62	63	64	10 5 10 14	19	24	29	34	39 43
600 65 66	67	69	70	71	72	73	74	75	20 10 19 29	39	48	, 58	67	77 87
700 76 77	78	79	81	82	83	84	85	86	30 14 29 43	58	72	87	101	116 130
800 87 88	89	90	91	93	94	95	96	97	40 19 39 58	77	96	116	135	154 174
900 98 99	100	101	102	1<8	10И	106	107	108	50 24 48 72	96	120	145	169	193 217

*	100	200	300	400	500	600	•700	800	900	'
30	99,3571	198,714	298,071	397,428	496,785	596,143	695,500	794,857	894,214	30
31	99,3538	198,707	298,061	397,415	496,769	596,123	695,477	794,831	894,184	29
32	99,3505	198,701	298,051	397,402	496,752	.596,103	695,454	794,804	894,155	28
33	99,3472	198,694	298,041	397,389	496,736	596,083	695,430	794,778	894,125	27
34	99,3439	198,687	298,031	397,375	496,719	596,063	695,407	794,751	894,095	26
35	99,3406	198,681	298,021	397,362	496*703	596,043	695,384	794,724	894,065	25
36	99,3372	198,674	298,011	397,349	496,686	596,023	695,360	794,698	894,035	24
37	99,3339	198,667	298,001	397,335	496,669	596,003	695,337	794,671	894,005	23
38	99,3305	198,661	297,991	397,322	496,652	595,983	695,314	794,644	893,975	22
39	99,3272	198,654	297,981	397,308	496,636	595,963	695,290	794,617	893,944	21
40	99,3238	198,647	297,971	397,295	496,619	595,943	695,266	794,590	893,914	20
41	99,3204	198,640	297,961	397,281	496,602	595,922	695,243	794,563	893,884	19
42	99,3170	198,634	297,951	397,268	496,585	596,902	695,219	794,536	893,853	18
43	99,3136	198,627	297,941	397,254	496,568	595,882	695,195	794,509	893,823	17
44	99,3102	198,620	297,930	397,241	496,551	595,861	695,171	794,482	893,792	16
45	99,3068	198,613	297,920	397,227	496,534	595,841	695,147	794,454	893,761	15
46	99,3034	198,606	297,910	397,213	496,517	595,820	695,123	794,427	893,730	14
47	99,2999	198,599	297,899	397,199	496,499	595,799	695,099	794,399	893,699	13
48	99,2965	198,593	297,889	397,186	496,482	595,779	695,075	794,372	893,668	12
49	99,2931	198,586	297,879	397,172	496,465	595,758	695,051	794,344	893,637	11
50	99,2896	198,579	297,868	397,158	496,448	595,737	695,027	794,317	893,606	10
51	99,2861	198,572	297,858	397,144	496,430	595,717	695,003	794,289	893,575	9
52	99,2827	198,565	297,848	397,130	496,413	595,696	694,978	794,261	893,544	8
53	99,2792	198,558	297,837	397,116	496,396	595,675	694,954	794,233	893,513	7
54	99,2757	198,551	297,827	397,102	496,378	595,654	694,930	794,205	893,481	6
55	99,2722	198,544	297,816	397,088	496,361	595,633	694,905	794,177	893,450	5
56	99,2687	198,537	297,806	397,074	496,343	595,612	694,881	794,149	893,418	4
57	99.2652	198,530	297,795	397,060	496,326	595,591	694,856	794,121	893,386	3
58	99,2616	198,523	297,785	397,046	496,308	595,570	694,831	794,093	893,355	2
59	99,2581	198,516	297,774	397,032	496,290	595,548	694,807	794,065	893,323	1
60	99,2546	198,509	297,763	397,018	496,273	595,527	694,782	794,036	893,291	0
'	100	200	300	400	500	600	700	800	900	'
d	3	'7	10	14	17	21	24	27	31	*d*

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100	99	109	119	129	139	149	159	169	179	189	6	0	1	1	1	2	2	2	3	3
200	199	209	218	228	238	248	258	268	278	288	7	0	1	1	2	2	2	3	3	4
300	298	309	318	328	338	348	358	367	377	387	8	0	1	1	2	2	3	3	4	4
400	397	407	417	427	437	447	457	467	477	487	9	1	1	2	2	3	3	4	4	5
500	497	506	516	526	536	546	556	566	576	586	10	1	1	2	2	3	3	4	5	5
600	596	606	616	626	636	645	655	665	675	685	20	1	2	3	4	6	7	8	9	10
700	695	705	715	725	735	745	755	765	775	785	30	2	3	5	7	9	10	12	14	15
800	794	804	814	824	834	844	854	864	874	884	40	2	5	7	9	11	14	16	18	21
900	894	904	914	924	933	943	953	963	973	983	50	3	6	9	11	14	17	20	23	26

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'	100	200	300	400	500	600	700	800	900	1
30	11,3203	22,640	33,960	45,281	56,601	67,921	79,242	90,562	101,882	30
31	11,3492	22,698	34,047	45,396	56,746	68,095	79,444	90,793	102,143	29
32	11,3781	22,756	34,134	45,512	56,890	68,268	79,646	91,024	102,403	28
33	11,4070	22,814	34,221	45,628	57,035	68,442	79,849	91,256	102,663	27
34	11,4359	22,871	34,307	45,743	57,179	68,615	80,051	91,487	102,923	26
35	11,4648	22,929	34,394	45,859	57,324	68,788	80,253	91,718	103,183	25
36	11,4937	22,987	34,481	45,974	57,468	68,962	80,456	91,949	103,443	24
37	11,5226	23,045	34,567	46,090	57,613	69,135	80,658	92,180	103,703	23
38	11,5515	23,103	34,654	46,206	57,757	69,309	80,860	92,412	103,963	22
39	11,5803	23,160	34,741	46,321	57,902	69,482	81,062	92,643	104,223	21
40	11,6092	23,218	34,827	46,437	58,046	69,655	81,265	92,874	104,483	20
41	11,6381	23,276	34,914	46,552	58,190	69,829	81,467	93,105	104,743	19
42	11,6670	23,334	35,001	46,668	58,335	70,002	81,669	93,336	105,003	18
43	11,6959	23,391	35,087	46,783	58,479	70,175	81,871	93,567	105,263	17
44	11,7248	23,449	35,174	46,899	58,624	70,349	82,073	93,798	105,523	16
45	11,7537	23,507	35,261	47,014	58,768	70,522	82,276	94,029	105,783	15
46	11,7826	23,565	35,347	47,130	58,913	70,695	82,478	94,261	106,043	14
47	11,8115	23,623	35,434	47,246	59,057	70,869	82,680	94,492	106,303	13
48	11,8403	23,680	35,521	47,361	59,201	71,042	82,882	94,723	106,563	12
49	11,«692	23,738	35,607	47,477	59,346	71,215	83,084	94,954	106,823	11
50	11,8981	23,796	35,694	47,592	59,490	71,388	83,287	95,185	107,083	10
51	11,9270	23,854	35,781	47,708	59,635	71,562	83,489	95,416	107,343	9
52	11,9559	23,911	35,867	47,823	59,779	71,735	83,691	95,647	107,603	8
53	11,9848	23,969	35,954	47,939	59,924	71,908	83,893	95,878	107,863	7
54	12,-0136	24,027	36,041	48,054	60,068	72,082	84,095	96,109	108,123	в
55	12,0425	24,085	36,127	48,170	60,212	72,255	84,297	96,340	108,383	5
56	12,0714	24,142	36,214	48,285	60,357	72,428	84,500	96,571	108,642	4
57	12,1003	24,200	36,300	48,401	60,501	72,601	84,702	96,802	108,902	3
58	12,1291	24,258	36,387	48,516	60,645	72,775	84,904	97,033	109,162	2
59	12,1580	24,316	36,474	48,632	60,790	72,948	85,106	97,264	109,422	1
60	12,1869	24,373	36,560	48,747	60.934	73,121	85,308	97,495	109,682	0
Г	100	200	300	400	500	600	700	800	900	0
d	29	58	87	116	144	173	202	231	260	d

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мм	00	10	20	30	40	50	60	70	80	90	'Id	29	58	87	116	144	173	202	231	260
100	12	13	14	15	16	18	19	20	21	22	6	3	6	9	12	14	17	20	23	26
200	24	25	26	27	28	29	31	32	33	34	7	3	7	10	13	17	20	24	27	30
300	35	36	38	39	40	41	42	43	45	46	8	4	8	12	15	19	23	27	31	35
400	47	48	49	51	52	53	54	55	56	58	9	4	9	13	17	22	26	30	35	39
500	59	60	61	62	63	65	66	67	68	69	10	5	10	14	19	24	29	34	39	43
600	71	72	73	74	75	76	78	79	80	81	20	10	19	29	39	48	58	68	77	87
700	82	83	85	86	87	88	89	91	92	93	30	14	29	43	58	72	87	101	116	130
800	94	95	96	98	99	100	101	102	103	105	40	19	39	58	77	96	116	135	154	173
900	106	107	108	109	110	112	ИЗ	114	115	116	50	24	48	72	96	120	144	169	193	217

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'	100	200	300	400	500	600	700	800	900	■
0	99,2546	198,509	297,763	397,018	496,273	595,527	694,782	794,036	893,291	60
1	99,2510	198,502	297,753	397,004	496,255	595,506	694,757	794,008	893,259	59
2	99,2475	198,495	297,742	396,990	496,237	595,485	694,732	793,980	893,227	58
3	99,2439	198,487	297,731	396,975	496,219	595,463	694,707	793,951	893,195	57
4	99,2403	198,480	297,721	396,961	496,201	595,442	694,682	793,922	893,163	56
5	99,2367	198,473	297,710	396,947	496,183	595,420'	694,657	793,894	893,131	55
6	99,2331	198,406	297,699	396,932	496,165	595,399	694,632	793,865	893,098	54
7	99,2295	198,459	297,688	396,918	496,147	595,377	694,607	793,836	893,066	53
8	99,2259	198,451	297,677	396,903	496,129	595,355	694,581	793,807	893,033	52
9	99,2223	198,444	297,66?	396,889	496,111	595,334	694,556	793,778	893,001	51
10	99,2187	198,437	297,656	396.874	496,093	595,312	694,531	793,749	892,968	50
11	99,2151	198,430	297,645	396,860	496.075	595,290	694,505	793,720	892,936	49
12	99,2114	198,422	297,634	396,845	496,057	595,268	694,480	793,691	892,903	48
13	99,2078	198,415	297,623	396,831	496,039	595,246	694,454	793,662	892,870	47
14	99,2041	198,408	297,612	396,816	496,020	595,224	694,429	793,633	892,837	46
15	99,2004	198,400	297,601	396,801	496,002	595,202	694,403	793,603	892,804	45
16	99,1968	198,393	297,590	396,787	495,984	595,180	694,377	793,574	892,771	44
17	99,1931	198,380	297,579	396,772	495,965	595,158	694,351	793,545	892,738	43
18	99,1894	198,378	297,568	396,757	495,947	595,136	694,326	793,515	892,705	42
19	99,1857	198,371	297,557	396,742	495,928	595,114	694,300	793,485	892,671	41
20	99,1820	198,364	297,546	396,728	495,910	595,092	694,274	793,456	892,638	40
21	99,1783	198,356	297,534	396,713	495,891	595,069	694,248	793,426	892,604	39
22	99,1745	198,349	297,523	396,698	495,872	595,047	694,222	793,396	892,571	38
23	99,1708	198,341	297,512	396,683	495,854	595,025	694,196	793,366	892,537	37
24	99,1671	198,334	297,501	396,668	495,835	595,002	694,169	793|,336	892,504	36
25	99,1033	198,326	297,490	396,653	495,816	594,980	694.143	793,306	892,470	35
2t>		198,319	297,478	396,638	495,798	594,957	694,117	793,276	892,436	34
•27	99,1558	198,311	297,467	396,623	495,779	594,935	694,090	793,246	892,402	33
28	99,1520	198,304	297,456	396,608	495,760	594,912	694,064	793,216	892,368	32
29	99,1482	198,296	297,444	390,593	495,741	594,889	694,037	79Ĭ.186	892,334	31
30	99,1444	198,288	297,433	396,577	495,722	594,866	694,011	798,155	892,300	30
	100	200	300	400	500	600	700	BOO	900	-
d	4	7	11	15	18	22	26	29	33	*d*

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MM	00	10	20	30	40	50	60	70	80	90	*'Id*	4	7	'(1	15	18	22	26	29	33
100	99	109	119	129	139	149	159	109	179	188	6	0	1	1	1	2	2	3	3	3
200	198	208	218	228	238	248	258	268	278	288	7	0	1	1	2	2	3	3	3	4
300	298	308	317	327	337	347	357	307	377	387	8	0	1	1	2	2	3	3	4	4
400	397	407	417	427	436	446	456	466	476	486	9	1	1	2	2	3	3	4	4	5
500	496	500	510	526	536	546	556	565	575	585	10	1	1	2	2	3	4	4	5	5
600	595	605	615	625	635	645	655	665	675	684	20	1	2	4	5	6	7	9	10	11
700	694	704	714	724	734	144	754	764	774	784	30	2	4	5	7	9	11	13	15	17
800	794	804	813	823	*m*	843	853	863	873	883	40	2	5	7	10	12	15	17	20	22
900	893	903	913	923	932	942	952	962	972	982	50	3	6	9	12	15	18	21	24	27

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'	100	200	300	400	500	600	700	800	900	/
0	12,1869	24,373	36,560	48,747	60,934	73,121	85,308	97,495	109,682	60
1	12,2158	24,431	36,647	48,863	61,079	73,294	85,510	97,726	109,942	59
2	12,2446	24,489	36,734	48,978	61,223	73,468	85,712	97,957	110,202	58
3	12,2735	24,547	36,820	49,094	61,367	73,041	85,914	98,188	110,461	57
4	12,3024	24,604	36,907	49,209	61,512	73,814	80,116	98,419	110,721	56
5	12,3312	24,662	36,993	49,325	61,656	73,987	86.318	98,650	110,981	55
6	12,3601	24,720	37,080	49,440	61,800	74,100	86,521	98,881	111,241	54
7	12,3890	24,778	37,167	49,556	61,945	74,334	86,723	99,112	111,501	53
8	12,4178	24,835	37,253	49,671	02,089	74,507	86,925	99,343	111,760	52
9	12,4467	24,893	37,340	49,786	62,233	74,680,	8,7,127	99,573	112,020	51
10	12,4756	24,951	37,426	49,902	62,378	74,853	87,329	99,804	112,280	50
11	12,5044	25,008	37,513	50,017	62,522	75,026	87,531	100,035	112,540	49
12	12,5333	25,066	37,599	50,133	62,666	75,199	87,733	100,266	112,799	48
13	12,5621	25,124	37,686	50,248	62,810	75,373	87,935	100.497	113,059	47
14	12,5910	25,182	37,773	50,364	62,955	75,546	88,137	100,728	113,319	- 46
15	12,6198	25,239	37,859	50,479	63,099	75,719	88,339	100,959	113,579	45
16	12,6487	25,297	37,946	50,585	63,243	75,892	88,541	101,190	113,838	44
17	12,6776	25,355	38,032	50,710	63,388	76,065	88,743	101,420	114,098	43
18	12,7064	25,412	38,119	50,825	63,532	76,238	88,945	101,651	114,358	42
19	12,7353	25,470	38,205	50,941	63,676	76,411	89,147	101,882	114,617	41
20	12,7641	25,528	38,292	51,050	63,820	76,584	89,349	102,113	114,877	40
21	12,7930	25,586	38,379	51,172	63,905	76,758	89,551	102,344	115,137	39
22	12,8218	25,643	38,465	51,287	84,109	76,931	89,753'	102,574	115,396	38
23	12,8507	25,701	38,552	51,402	64,253	77,104	89,954	102,805.	115,656	37
24	12,8795	25,759	38,638	51,518	64,397	77,277	90,156	103,036	115,916	36
25	12,9084	25,816	38,725	51,633	64,542	77,450	90,358	103,267	116,175	35
26	12,9372	25,874	38,811	51,749	64,686	77,623	90,560	103,498	116,435	34
27	12,9660	25,932	38,898	51.864	64,830	77,796	90,762	103,728	116,694	33
28	12,9949	25,989	38,984	51,979	64,974	77,969	90,964	103,959	116,954	32
29	13,0237	26,047	39,071	52,095	65,118	78,142	91,166	104,190	117,214	31
30	13,0526	26,105	39,157	52,210	65,263	78,315	91,308	104,420	117,473	30

'	100	200	:«Xi	400	500	600	700	800	900
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MM	00	10	20	ao	40	50	60	70	80	90
100	13	14	15	16	18	19	20	21	23	24
200	25	27	28	29	30	32	33	34	35	37
300	38	39	40	42	43	44	45	47	48	49
400	50	52	53	54	56	57	58	59	61	62
500	63	64	66	67	68	69	71	72	73	74
eoo	76	77	78	80	81	82	83	85	8	87
700	88	90	91	92	93	95	96	97	98	100
800	101	102	103	105	106	107	109	110	111	112
900	114	115	116	117	119	120	121	122	124	125

"Id	29	58	87	115	144	173	202	231	260
6	3	6	9	12	14	17	20	23	26
7	3	7	10	13	17	20	24	27	30
8	4	8	12	15	19	23	27	31	35
9	4	9	13	17	22	26	30	35	39
10	5	10	14	19	24	29	34	38	43
20	10	19	29	38	48	58	67	77	87
30	14	29	43	58	72	87	101	115	130
40	19	38	58	77	96	115	135	154	173
50	24	48	72	96	120	144	168	192	216

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9	100	200	300	400	500	600	700	800	900	’
30	99,1444	198,288	297,433	396,577	495,722	594,866	694,011	793,155	892,300	30
31	99,1406	198,281	297,422	396,562	495,703	594,844	693,984	793,125	892,266	29
32	99,1368	198,273	297,410	396,547	495,684	594,821	693,958	793,095	892,231	28
33	99,1330	198,266	297,399	396,532	495,665	594,798	693,931	793,064	892,197	27
34	99,1292	198,258	297,3^7	396,516	495,646	594,775	693,904	793,033	892,163	26
35	99,1253	198,250	297,376	396,501	495,626	594,752	693,877	793,003	892,128	25
36	99,1215	198,243	297,364	396,486	495,607	594,729	693,850	792,972	892,093	24
37	99,1177	198,235	297,353	396,470	495,588	594,706	693,823	792,941	892,059	23
38	99,1138	198,227	297,341	396,455	495,569	594,683	693,796	792,910	892,024	22
39	99,1099	198,219	297,329	396,439	495,549	594,659	693,769	792,879	891,989	21
40	99,1060	198,212	297,318	396,424	495,530	594,636	693,742	792,848	891,954	20
41	99,1022	198,204	297,306	396,408	495,511	594,613	693,715	792,817	891,919	19
42	99,0983	198,196	297,294	396,393	495,491	594,589	693,688	792,786	891,884	18
43	99,0944	198,188	297,283	396,377	495,472	594,566	693,660	792,755	891,849	17
44	99,0905	198,181	297,271	396,362	495,452	594,543	693,633	792,724	891,814	16
45	99,0865	198,173	297,259	396,346	495,432	594,519	693,606	792,692	891,779	15
46	99,0826	198,165	297,248	396,330	495,413	594,495	693,578	792,661	891,743	14
47	99,0787	198,157	297,236	396,314	495,393	594,472	693,551	792,629	891,708	13
48	99,0747	198,149	297,224	396,299	495,373	594,448	693,523	792,598	891,673	12
49	99,0708	198,141	297,212	396,283	495,354	594,425	693,495	792,566	891,637	11
50	99,0668	198,133	297,200	396,267	495,334	594,401	693,468	792,534	891,601	10
51	99,0629	198,125	297,188	396,251	495,314	594,377	693,440	792,503	891,566	9
52	99,0589	198,117	297,176	396,235	495,294	594,353	693,412	792,471	891,530	8
53	99,0549	198,109	297,164	396,219	495,274	594,329	693,384	792,439	891,494	7
54	99,0509	198,101	297,152	396,203	495,254	594,305	693,356	792,407	891,458	6
55	99,0469	198,093	297,140	396,187	495,234	594,281	693,328	792,375	891,422	5
56	99,0429	198,085	297,128	396,171	495,214	594,257	693,300	792,343	891,386	4
57	99,0389	198,077	297,116	396,155	495,194	594,233	693,272	792,311	891,350	3
58	99,0348	198,069	297,104	396,133	495,174	594,209	693,244	792,279	891,313	2
59	99,0308	198,061	297,092	396,123	495,154	594,185	693,215	792,246	891,277	1
60	99,0268	198,053	297,080	396,107	495,134	594,160	693,187	792,214	891,241	0
’	100	200	300	400	500	600	700	800	900	’
d	4	8	12	16	20	24	28	31	35	*d*

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MM	00	10	20	30	40	50	60	70	80	90	*Vd*	4	8	12	16	20	24	28	31	35
100	99	109	119	129	139	149	159	168	178	188	6	0	1	1	2	2	2	3	3	4
200	198	208	218	228	238	248	258	268	277	287	7	0	1	1	2	2	3	3	4	4
300	297	307	317	327	337	347	357	367	377	386	8	1	1	2	2	3	3	4	4	5
400	396	406	416	426	436	446	456	466	476	486	9	1	1	2	2	3	4	4	5	b
500	495	505	515	525	535	545	555	565	575	585	10	1	1	2	3	3	4	5	5	6
600	595	604	614	624	634	644	654	664	674	684	20	1	3	4	5	7	8	8	10	12
700	694	704	713	723	733	743	753	763	773	783	30	2	4	6	8	10	12	14	t6	18
800	793	803	813	822	832	842	852	862	872	882	40	3	5	8	10	13	16	18	21	24
900	892	902	912	922	931	941	951	961	971	981	50	3	7	10	13	16	20	23	26	29

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/ i	100	200	300	400	500	600	700	800	900 *	
30	13,0526	26,105	39,157	52,210	65,263	78,315	91,368	104,420	117,473	30
31	13,0814	26,162	39,244	52,325	65,407	78,488	91,570	104,651	117,733	29
32'	13,1102	26,220	39,330	52,441	65,551	78,661	91,772	104,882	117,992	28
33	13,1391	26,278	39,417	52,556	65,695	78,834	91,973	105,113	118,252	27
34	13,1679	26,335	39,503	52,671	65,839	79,007	92,175	105,343	118,511	26
35	13,1968	26,393	39,590	52,787	65,984	79,180	92,377	105,574	118,771	25
36	13,2256	26,451	39,676	52,902	66,128	79,353	92,579	105,805	119,030	24
37	13,2544	26,508'	39,763	53,017	66,272	79,526	92,781	106,035	119,290	23
38	13,2833	26,566	39,849	53,133	66,416	79,699	92,983	106,266	119,549	22
39	13,3121	26,624	39,936	53,248	66,560	79,872	93,184	106,497	119,809	21
' 40	13,3409	26,681	40,022	53,363	66,704	80,045	93,386	106,727	120,068	20
41	13,3697	26,739	40,109	53,479	66,848	80,218	93,588	106,958	120,328	19
42	13,3986	26,797	40,195	53,594	66,993	80,391	93,790	107,188	120,587	18
43	13,4274	26,854	40,282	53,709	67,137	80,564	93,992	107,419	120,846	17
44	13,4562	26,912	40,368	53,825	67,281	80,737	94,193	107,650	121,106	16
45	13,4850	26,970	40,455	53,940	67,425	80,910	94,395	107,880	121,365	15
46	13,5139	27,027	40,541	54,055	67,569	81,083	94,597	108,111	121,625	14
47	13,5427	27,085	40,628	54,170	67,713	81,256	94,799	108,341	121,884	13
48	13,5715	27,143	40,714	54,286	67,857	81,429	95,000	108,572	122,144	12
49	13,6003	27,200	40,801	54,401	68,001	81,602	95,202	108,803	122,403	11
50	13,6291	27,258	40,887	54,516	68,145	81,775	95,404	109,033	122,662	10
51	13,6580	27,316	40,974	54,632	68,290	81,948	95,606	109,264	122,922	9
52	13,6868	27,373	41,060	54,747	68,434	82,120	95,807	109,494	123,181	8
53	13,7156	27,431	41,146	54,862	68,578	82,293	96,009	109,725	123,440	7
54	13,7444	27,488	41,233	54,977	68,722	82,466	96,211	109,955	123,700	6
55	13,7732	27,546	41,319	55,093	68,866	82,639	96,412	110,186	123,959	5
56	13,8020	27,604	41,406	55,208	69,010	82,812	96,614	110,416	124,218	4
57	13,8308	27,661	41,492	55,323	69,154	82,985	96,816	110,647	124,477	3
58	13,8596	27,719	41,579	55,438	69,298	83,158	97,017	110,877	124,737	2
59	13,8885	27,777	41,665	55,554	69,442	83,331	97,219	111,108	124,996	1
60	13,9173	27,834	41,751	55,669	69,586	83,503	97,421	111,338	125,255	0
	100	200	300	400	500	600	700	800	900 ‘	
d	29	58	88	115	144	173	202	230	259 i	*i*

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им	00 10	20 30	40 50	60 70	80 90	*Id	29 58 86	115 144 173 202 230	259
100	13 15	16 18	19 20	22 23	24 26	6	3 6 9	12 14 17 20 23	26
200	27 28	30 31	32 34	35 36	38 39	7	3 7 10	13 17 20 24 27	30
300	40 42	43 45	46 47	49 50	51 53	8	4 8 12	15 19 23 27 31	35
400	54 55	57 58	59 61	62 63	65 66	9	4 9 13	17 22 28 30 35	39
500	67 69	70 71	73 74	76 77	78 80	10	5 10 14	19 24 29 34 38	43
600	81 82	84 85	86 88	89 90	92 93	20	10 19 29	38 48 58 67 77	86
700	94 96	97 98	100 101	102 104	105 107	30	14 29 43	58 72 86 101 115	130
800	108 109	111 112	113 115	116 117	119 120	40	19 38 58	77 96 115 135 154	173
900	121 123	124 125	127 128	129 131	132 136	50	24 48 72	96 120 144 168 192	216

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	100	200	300	400	500	«00	700	800	900	J
0	99,0208	198,053	297,080	396,107	495,134	594,160	693,187	792,214	891,241	
1	99,0227	198.045	297,068	396,091	495,113	594,136	693,159	792,182	891,204	59
2	99,0180	198,037	297.056	396,074	495,093	594,112	693,130	792,149	891,168	58
3	99,p146	198,029	297.043	396,058	495,073	594,087	693,102	792,116	891,131	51
4	99,0105	198,021	297,031	396,042	495,052	594,063	693,073	792,084	891,094	5«
5	99,0064	198,012	297,019	396,025	495,032	594,038	693,045	792,051	891,058	55
6	99,0023	198,004	297,007	396,009	495,011	594,014	693,016	792,018	891,021	54
7	98,9982	197,996	296,994	395,993	494,991	593,989	692,987	791,986	890,984	53
8	98,9941	197,988	296,982	395,976	494,970	593,964	692,959,	791,953	890,947	52
g	98,9900	197,980	296,970	395,960	494,950	593,940	692,930	79t,920	890,910	51
10	98,9859	197,971	296 »95T	395,943	494,929	593,915	692,901	791,887	890,873	50
il	98,9817	197,963	296,945	395,927	494,908	593,890	692,872	791,854	890,835	49
12	98,9776	197,955	296,932	395,910	494,888	593,865	692,843	791,820	890,798	48
13	98,9734	197,946	296,920	395,893	494,867	593,840	692,814	791,787	890,761	47
14	98,9093	197,938	296,SOT	395,877	494,846	593,815	692,785	791,754	890,723	46
15	98,9651	197,930	296,895	395,860	494,825	593,790	692,755	791,721	890,686	45
16	98,9609	197,921	296,882	395,843	494,804	593,765	692,726	791,687	890,648	44
17	98,9567	197,913	296,870	395,827	494,783	593,740	692,697	791,654	890,610	43
18	98,9525	197,905	296,857	395,810	494,762	593,715	682,668	791,620	890,573	42
19	98,9483	197,896	296,845	395,793	494,741	593,690	692,638	791,587	890,53b	41
20	98,9441	197.888	296,832	395,776	494,720	593,664	692,609	791,553	890,497	40
21	98,9309	197,879	296,819	395.759	494,699	593,639	692,579	791,519	890,459	39
22	98,9357	197,871	296,807	395,742	494,678	593,614	692,550	791,485	890,421	38
23	98,9314	197,862	296,794	395,725	494,657	593,588	692,520	791,451	890,383	37
24	08,9272	197,854	296,781	395,708	494,636	593,563	692,490	791,417	890,345	36
25	98,9229	197,845	296,768	395,691	494,614	593,537	692,460	791,383	890,306	35
26	98,9187	197,837	296,756	395,674	494,593	593,512	692,431	791,349	890,268	34
27	98,9144	197,828	296,743	395,657	494,572	593,486	692,401	791.315	890,230	33
28	98,9101	197,820	296,730	395,640	494,550	593,461	692,371	791,281	890,191	32 i
29	98,9058	197,811	296,747	395,623	494,529	593,435	692,341	791,247	890,152	31
30	98,9015	197,803	296,704	395,606	494,507	593,409	692,311	791,212	890,114	30

	100	200	300	400	500	600	700	800	900	■
d	4	8	' 13	17	21	25	29	33	38	*d*

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мм	00	10	20	30	40	50	60	70	80	90	'Id	4	8	13	17	21	25	29	33	38
100	99	109	119	129	139	148	158	168	178	188	6	0	1	1	2	2	2	3	3	4
200	198	208	218	228	238	247	257	2«7	277	287	7	0	1	1	2	2	3	4	4	4
300	297	307	317	317	336	346	356	366	376	386	8	1	1	2	2	3	3	4	4	5
400	396	406	416	426	435	445	455	465	475	485	9	1	1	2	2	3	4	5	5	6
500	495	505	515	525	534	544	554	564	574	584	10	1	1	2	3	3	4	6	6	6
600	594	604	614	623	633	643	653	663	673	683	20	1	2	4	6	7	8	11	11	13
700	093	703	713	722	732	742	752	762	772	782	30	2	4	6	8	10	13	15	17	19
800	792	802	812	821	831	841	851	861	871	881	40	3	6	8	11	14	17	19	22	25
900	891	901	910	920	930	940	950	960	970	980	50	3	7	10	14	17	21	24	28	31

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	100	' 200	300	400	500	600	700	800	900	
	139173	27,834	41.751	55,669	69,586	83,503	97,421J	î J	125,255	60
	13*9461	27,892	41,838	55,784	69,730	83,676	97,622		125,515	59
	13*9749	27 949	41,924	55,899	69,874	83,849	97,824		125,774	58
	140037	28 007	42,011	56,014	70,018	84,022	98,026	112,029	126,033	57
	14 0325	28|065	42,097	56,130	70,162	84,195	98,227	]]2,2b0	126,292	56
*t		28 122	42 183	56,245	70,306	84,367	98,4291	1¿.,490	126,551	55
1	14 0901	28 180	42,270	56,360	70,450	84,540	98,630]	12,720	126,811	54
?	141189	28¿37	42^356	56Л75	70,594	84,713	98,832	2,95	127,070	53
B	14 1477	28,295	42,443	56,590	70,738	84,886	99,034		127,329	52
9	14,1765	28,353	42,529	56,706	70,882	85,059	99,235	113,412	127,588	51
10	14.2053	28,410	42,615	56,821	71,026	85,231	99,437	113,642	127,847	50
11	14 2341	28 468	42,702	56,936	71,170	85,404			128,106	49
12	142628	28 525	42,788	57,051	71,314	85,577	99,8*0	114,103	128,366	48
13	14 2916	28 583	42,875	57,166	71,458	85,750	100,041	114,333	•128,625	47
14	143204	28640	42,961	57,281	71,602	85-,922	100,243	114,J63	128,884	46
15	143492	28Í698	43,047	57,397	71,746	86,095	¡00,444	¡¡4,734	129,143	45
lfi	143780	28 756	43,134	57,512	71,890	86,268	100,646	115,024	129,402	44
?	4 4068	28:813	43 220	57',627	721034	86,441	100,847	5,254	129,601	43
18	14 435?	28 871	43,306	57,742	72,178	86,613	0 ,049	15,484	129,920	42
19	14,4644	28,928	43,393	57,857	72,322	86,786	101,250	115,715	130,179	41
on	,Л /,QQ4	ояояк	43 479	57.972	72,465	86,959	101,452	115,945	130,438	40
П	145219		43 ¡565		72^09	87 И31	101,653	116,175	130,697	39
22	145507	29 101	43,652	58,202	72,753	87,304	101,855	1¡b,-*05	130,056	38
23	14 5795	29 159	43 738	58!з18	72,897	87,477	102,056	116,636	131,215	37
од	}д'й083	29 216	43 824	58,433	73,041	87,649	102,258	116.866	131,474	36
nr	*A'i-vi(*	24 274	43 911	58 548	73,185	87,822	102,459	117,096	131,733	35
1 ÎÂ	1:1з1		43$7	58!663		87 ^95	102,660	117,326	131,992	34
27	14t>946	29 389	44,083	58,778	73,473	88,167	102,862	117,557	132,251	:«
28	14 7233	29,446	44,170	*№,III*	73,616	88,340	103,063	7,787	132,510	32
29	14^7521	29,504	44,256	59,008	73,760	88,513	10н,*.65	118,017	132,769	31
30	14,7809	29,561	44,342	59,123	73,904	88,685	1 03,466	118,247	133,028	30

г	100	200.	300	400	500	600	700	800	900	•
i	29	58	86	115	144	173	202	230	259	*. d*

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ии	00	10	20	30	40	50	60	70	80	90
100	14	16	17	19	20	22	23	24	26	27
200	29	30	32	33	34	36	37	39	40	42
300	43	44	46	47	49	50	52	53	55	56
400	57	59	60	62	63	65	66	67	69	70
500	72	73	75	76	77	79	80	82	83	85
600	86	88	89	90	92	93	95	96	98	99
700	100	102	103	105	106	108	109	110	112	113
800	115	116	118	119	121	122	123	125	126	128
900	129	131	132	133	135	136	138	139	141	142

'Id	29	58	86	115	144	173	202	230	
6	3	6	9	12	14	17	20	23	26
7	3	7	10	13	17	20	24	27	30
8	4	8	12	t5	19	23	27	31	35
9	4	9	13	17	22	26	30	3b	39
10	5	10	14	19	24	29	34	38	43
?,0	10	19	29	38	48	58	67	7'/	86
30	1'4	29	43	58	72	86	101	115	130
40	19	38	58	77	96	115	134	154	173
50	24	48	72	96	120	144	168	192	216

	1---------- A 100	200	300	400	500	600	700	800	900	1
30	98,9015	197,803	296,704	395,606	494,507	593,409	692,311	791,212	890,114	
31	98,8972	197,794	296,691	395,589	494,486	593,383	692,280	791,178	890,075	29
32	98,8929	197,785	296,678	395,571	494,464	593,357	692,250	791,143	890,036	28
33	98,8886	197,777	296,665	395,554	494,443	593,331	692,220	791,109	889,997	27
34	98,8843	197,768	296,652	395,537	494,421	593,305	692,190	791,074	889,958	26
35	98,8799	197,759	296,639	395,519	494,399	593,279	692,159	791,039	889,919	25
36	98,8756	197,751	296,626	395,502	494,378	593,253	692,129	791,005	889,880	24
37	98,8712	197,742	296,613	395,485	494,356	593,227	692,098	790,970	889,841	23
38	98,8669	197,733	296,600	395,467	494,334	593,201	692,068	790,935	889,802	22
39	98,8625	197,725	296,587	395,450	494,312	593,175	692,037	790,900	889,762	21
40	98,8581	197,716	296,574	395,432	494,290	593,149	692,007	790,865	889,723	20
41	98,8537	197,707	296,561	395,415	494,268	593,122	691,97«	790,830	889,684	19
42	98,8493	197,698	296,548	395,397	494,246	593,096	691,945	790,795	889,644	18
43	98,8449	197,689	296,534	395,379	494,224	593,069	691,914	790,759	889,604	17
44	98,8405	197,681	296,521	395,362	494,202	593,043	691,884	790,724	889,565	16
45	98,8361	197,672	296,508	395,344	494,180	593,016	691,853	790,689	889,525	15
46	98,8317	197,663	296,495	395,326	494,158	592,990	691,822	790,653	889,485	14
47	98,8272	197,654	296,481	395,309	494,136	592,963	691,790	790,618	889,445	13
48	98,8228	197,645	296,468	395,291	494,114	592,937	691,759	790,582	889,405	12
49	98,8183	197,636	296,455	395,273	494,091	592,910	691,728	790,547	889.365	11
50	9b,8139	107,627	296,441	395,255	494,069	592,883	691,697	790,511	889,325	10
51	98,8094	197,618	296,428	395,237	494,047	592,856	691,666	790,475	889,285	9
52	98,8049	197,609	-296,414	395,219	494,024	592,829	691,634	790,439	889,244	8
53	98,8004	197,600	296,401	395,201	494,002	592,802	691,603	790,403	889,204	7
54	98,7959	197,591	296,387	395,183	493,979	592,775	691,571	790,367	889,163	6
55	98,7914	197,582	296,374	395,165	493,957	592,748	691,540	790,331	889,123	5
56	98,7869	197,573	296,360	395,147	493,934	592,721	691,508	790,295	889,082	4
57	98,7824	197,564	296,347	395,129	493,912	592,694	691,477	790,259	889,042	3
58	98,7779	197,555	296,333	395,111	493,889	592,667	691,445	790,223	889,001	2
59	98,7733	197,546	296,320	395,093	493,866	592,640	691,413	790,187	888,960	1
60	98,7688	197,537	296,306	395,075	493,844	592,613	691,381	790,150	888,919	0
0	100	200	300	400	500	600	700	800	900	'
a	4	9	13	18	22	27	31	35	40	*d*

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мм 00	10	20	30	40	50	60 *4*	70	80	90	*4d*	4	9	13	18	22	27	31	35	40
100 99	109	119	128	138	148.	158	168	178	188	fi	0	1	1	2	?	3	3	/,	4
200 198	208	217	227	237	247	257	267	277	287	7	1	1	?	?	3	3	4	/,	5
300 297	306	316	326	336	346	356	366	376	385	8	1	1	?,	?	3	4	/,	5	5
400 395	405	415	425	435	445	455	465	474	484	9	1	1	?,	3	3	4	*4*	■i	g
bOO 494	504	514	524	534	544	553	563	573	583	10	1	1	2	3	4	4	5	6	7
600 593	603	613	623	633	642	652	662	672	682	20	1	3	4	6	7	9	10	1?	13
vuo 692	/02	712	722	731	741	751	761	771	781	30	2	4	T	9	11	13	16	18	20
«00 791	801	810	820	830	840	850	860	870	880	40	3	6	9	12	15	18	?*1*	9/,	?7
«00 89(1	899	909	919	929	939	949	959	969	978	50	4	7	11	15	19	22	26	30	33

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0	100	200	300	400	500	600	700	800	900	'
30	14,7809	29,561	44,342	59,123	73,904	88,685	103,466	118,247	133,028	30
31	14,8097	29,619	44,429	59,238	74,048	88,858	103,667	118,477	133,287	29
32	14,8384	29,676	44,515	59,353	74,192	89,030	103,869	118,707	133,546	28
33	14,8672	29,734	44,601	59,468	74,330	89,203	104,070	118,937	133,805	27
34	14,8960	29,792	44,688	59,584	74,480	89,376	104,272	119,168	134,064	26
35	14,9247	29,849	44,774	59,699	74,623	89,548	104,473	119,398	134,322	25
36	14,9535	29,907	44,860	59,814	74,767	89,721	104;674	119,628	134,581	24
37	14,9822	29,964	44,946	59,929	74,911	89,893	104,876	119,858	134,840	23
38	15,0110	30,022	45,033	60,044	75,055	90,066	105,077	120,088	135,099	22
39	15,0398	30,079	45,119	60,159	75,199	90,238	105,278	120,318	135,358	21
40	15,0685	30,137	45,205	60,274	75,342	90,411	105,479	120,548	135,617	20
41	15,0973	30,194	45,291	60.389	75,486	90,583	105,681	120,778	135,875	19
42	15.1260	30,252	45,378	60,504	75,630	90,756	105,882	121,008	136,134	18
43	15,1548	30,309	45,464	60,619	75,774	90,929	106,083	121,238	136,393	17
44	15,1835	30,367	45,550	60,734	75,917	91,101	106,285	121,468	136,652	16
45	15.2123	30,424	45,637	60,849	76,061	91,274	106,486	121,698	136,911	15
46	15,2410	30,482	45,723	60,964	76,205	91,446	106,687	121,928	137,169	14
47	15,2698	30,539	45,809	61,079	76,349	91,619	106,888	122,158	137,428	13
48	15,2985	30,597	45,895	61,194	76,492	91,791	107,090	122,388	137,687	12
49	15,3273	30,654	45,981	61,309	76,636	91,963	107,291	122,618	137,945	11
50	15,3560	30,712	46,068	61,424	76,780	92,136	107,492	122,848	138,204	10
51	15,3848	30,769	46,154	61,539	76,924	92,308	107,693	123,078	138,463	9
52	15,4135	30,827	46,240	61,654	77,067	92,481	107,&94	123,308	138,722	8
53	15,4422	30,884	46,326	61,769	77,211	92,653	108,096	123,538	138,980	7
54	15,4710	30,942	46,413	61,884	77,355	92,826	108,297	123,768	139,239	6
55	15,4997	30,999	46,499	61,999	77,498	92,998	108,498	123,998	139,497	5
56	15,5285	31,057	46,585	62,114	77,642	93,171	108,699	124,228	139,756	4
57	15,5572	31,114	46,671	62,228	77,786	93,343	108 900	124,457	140,015	3
58	15,5859	31,171	46,757	62,343	77,929	93,515	109,101	124,687	140,273	2
59	15,6147	31,229	46,844	62,458	78,073	93,688	109,302	124,917	140,532	1
60	15,6434	31,286	46,930	62,573	78,217	93,860	109,504	125,147	140,791	0

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d	29	58	86	115	144	172	201	230	259	*d*

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100	15 17 18	20 21	23 24	26	27 29	6 3	6 9 11	14 17	20 23 26
200	30 32 33	35 37	38 40	41	43 44	7 3	7 10 13	17 20	23 27 30
300	46 47 49	50 52	53 55	56	58 59	8 4	8 11 15	19 23	27 31 34
400	61 62 64	65 67	68 70	71	73 75	9 4	9 13 17	22 26	30 34 39
500	76 78 79	81 82	84 85	87	88 90	10 5 10 14 19		24 29	34 38 43
600	91 93 94	96 97	99 100	102	103 1*05*	20 10 19 29 38		48 57	67 77 86
700	106 108 110	111 113	114 116	117 :	119 120	30 14 29 43 57		72 86	101 115 129
800	122 123 125	126 128	429 131	132	134 135	40 19 38 57 77		96 115	134 153 172
900	137 138 140	141 143	145 146	148	149 151	50 24 48 72 96		120 144	168 192 216

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‹	100	200	300	400	500	600	700	800	900	*
0	98,7688	197,537	296,306	395,075	493,844	592,613	691,381	790,150	888,919	60
1	98,7642	197,528	296,292	395,057	493,821	592,585	691,349	790,114	888,878	59
2	98,7597	197,519	296,279	395,038	493,798	592,558	691,318	790,077	888,837	58
3	98,7551	197,510	296,265	395,020	493,775	592J530	691,286	790,041	888,796	57
4	98,7505	197,501	296,251	395,002	493,752	592,503	691,253	790,004	888,755	56
5	98,7459	197,491	296,237	394,983	493,729	592,475	691,221	789,967	888,713	55
6	98,7413	197,482	296,224	394,965	493,706	592,448	691,189	789,931	888,672	54
7	98,7367	197,473	296,210	394,947	493,683	592,420	691,157	789,894	888,630	53
8	98,7321	197,464	296,196	394,928	493,660	592,392	691,125	789,857	888,589	52
9	98,7275	197,455	296,182	394,910	493,637	592,365	691,092	789,820	888,547	51
10	98,7229	197,445	296,168	394,891	493,614	592,337	691,060	789,783	888,506	50
11	98,7182	197,436	296,154	394,873	493,591	592,309	691,027	789,746	888,464	49
12	98,7136	197,427	296,140	394 354	493,568	592,281	690,995	789,709	888,422	48
13	98,7089	197,417	296,126	394,835	493,544	592,253	690,962	789,671	888,380	47
14	98,7043	197,408	296,112	394,817	493,521	592,225	690,930	789,634	888,338	46
15	98,6996	197,399	296,098	394,798	493,498	592,197	690,897	789,597	888,296	45
16	98,6949	197,389	296,084	394,779	493,474	592,169	690,864	789,559	888,254	44
17	98,6902	197,380	296,070	394,761	493,451	592,141	690,831	789,522	888,212	43
18	98,6855	197,371	296,056	394,742	493,427	592,113	690,799	789,484	888,170	42
19	98,6808	197,361	296,042	394,723	493,404	592,085	690,766	789,446	888,127	41
20	98,6761	197,352	296,028	394,704	493,380	592,056	690,733	789,409	888,085	40
21	98,6714	197,342	296,014	394,685	493,357	592,028	690,700	789,371	888,042	39
22	98,6667	197,333	296,000	394,666	493,333	592,000	690,666	789,333	888,000	38
23	98,6619	197,323	295,985	394,647	493,309	591,971	690,633	789,295	887,957	37
24	98,6572	197,314	295,971	394,628	493,286	591,943	690,600	789,257	887,914	36
25	98,6524	197,304	295,957	394,609	493,262	591,914	690,567	789,219	887,872	35
26	98,6476	197,295	295,943	394,590	493,238	591,886	690,533	789,181	887,829	34
27	98,6429	197,285	295,928	394,571	493,214	591,857	690,500	789,143	887,786	33
28	98,6381	197,276	295,914	394,552	493,190	591,828	690,467	789,105	887,743	32
29	98,6333	197,266	295,900	394,533	493,166	591,800	690,433	789,066	887,700	31
30	98,6285	197,257	295,885	394,514	493,142	591,771	690,399	789,028	887,657	30
/	100	200	300	400	500	600	700	800	900	'
d	5	9	14	19	23	28	33	37	42	*d*

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им	00	10	20	30	40	50	60	70	80	90
100	99	109	118	128	138	148	158	168	178	188
200	197	207	217	227	237	247	257	266	276	286
'300	296	306	316	326	336	345	355	365	375	385
400	395	405	415	424	434	444	454	464	474	484
500	493	503	513	523	533	543	553	563	572	582
600	592	602	612	622	632	642	651	661	671	681
700	691	701	711	721	730	740	750	760	770	780
800	790	'/99	809	819	829	839	849	859	869	878
«00	888	00	908	918	928	938	948	957	967	977

'Id	5	9	14	19	23	28	33	37	42
fi	0	1	1	2	2	3	3	4	4
	7	1	1	2	2	3	3	4	4
	8	1	1	2	2	3	4	4	fi . 6
	9	1	1	2	3	4	4	5	fj A
	10	1	2	2	3	4	5	ñ	fi 7
	20	2	3	5	6	8	9	11	1? 14
	30	2	5	7	9	12	14	16	19 ?1
	40	3	6	9	12	16	19	22	?,5 ?8
	50	4	8	12	16	20	23	27	31 35

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-	100	200	300	400	500	600	700	800	900	θ
0	15,6434	31,286	46,930	62,573	78,217	93,860	109,504	125,147	140,791	60
1	15,6721	31,344	47,016	62,688	78,360	94,033	109,705	125,377	141,049	59
2	15,7009	31,401	47,102	62,803	78,504	94,205	109,906	125,607	141,308	58
3	15,7296	31,459	47,188	62,918	78,648	94,377	110,107	125,837	141,566	57
4	15,7583	31,516	47,275	63,033	78,791	94,550	110,308	126,066	141,825	56
5	15,7870	31,574'	47,361	63,148	78,935	94,722	110,509	126,296	142,083	55
6	15,8158	31,631	47,447	63,263	79,079	94,894	110,710	126,526	142,342	54
7	15,8445	31,689	47,533	63,378	79,222	95,067	110,911	126,756	142,600	53
8	15,8732	31,746	47,619	63,493	79,366	95,239	111,112	126,985	142,859	52
9	15,9019	31,803	47,705	63,607	79,509	95,411	111,313	127,215	143,117	51
10	15,9306	31,861	47,792	63,722	79,653	95,584	111,514	127,445	143,376	50
И	15,9594	31,918	47,878	63,837	79,797	95,756	111,715	127,675	143,634	49
12	15,9881	31,976	47,964	63,952	79,940	95,928	111,916	127,904	143,893	48
13	16,0168	32,033	48,050	64,067	80,084	96,100	112,117	128,134	144,151	47
14	16,0455	32,091	48,136	64,182	80,227	96,273	112,318	128,364	144,409	46
15	16,0742	32,148	48,222	64,297	80,371	96,445	112,519	128,594	144,668	45
16	16,1029	32,205	48,308	64,411	80,514	96,617	112,720	128,823	144,926	44
17	16,1316	32,263	48,395	64,526	80,658	96,790	112,921	129,053	145,185	43
18	16,1603	32,320	48,481	64,641	80,801 '	96,962	113,122	129,283	145,443	42
19	16,1890	32,378	48,567	64,756	80,945	97,134	113,323	129,512	145,701	41
20	16,2177	32,435	48,653	64,871	81,088	97,306	113,524	129,742	145,960	40
21	16,2464	32,492	48,739	64,985	81,232	97,478	113,725	129,971	146,218	39
22	16,2751	32,550	48,825	65,100	81,375	97,651	113,926	130,201	146,476	38
23	16,3038	32,607	48,911	65,215	81,519	97,823	114,127	130,431	146,735	37
24	16,3325	32,665	48,997	65,330	8*662	97,995	114,328	130,660	146,993	36
25	16,3612	32,722	49,083	65,445	81,806	98,167	114,529	130,890	147,251	35
26	16,3899	32,779	49,169	65,559	81,949	98,339	114,729	131,119	147,509	34
27	16,4186	32,837	49,256	65,674	82,093	98,512	114,930	131,349	147,768	33
28	16,4473	32,894	49,342	65,789	82,236	98,684	115,131	131,579	148,026	32
29	16,4760	32,952	49,428	65,904	82,380	98,856	115,332	131,808	148,284	31
30	16,5047	33,009	49,514	66,019	82,523	99,028	115,533	132,038	148,542	30
	100	200	300	400	500	600	700	800	900	θ φ
d	29	57	86	115	144	172	201	230	258	d

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MM	00	10	20	30	40	50	60	70	80	90	'/d	29	57	86	115	144	172	201	230	258
100	16	18	19	21	23	24	26	27	29	31	6	3	6	9	11	14	17	20	23	26
200	32	34	35	37	39	40	42	43	45	47	7	3	7	10	13	17	20	23	27	30
300	48	50	51	53	55	56	58	59	61	63	8	4	8	11	15	19	23	27	31	34
400	64	66	68	69	71	72	74	76	77	79	9	4	9	13	17	22	26	30	34	39
500	80	82	84	85	87	88	90	92	93	95	10	5	10	14	19	24	29	33	38	43
600	96	98	100	101	103	104	106	108	109	111	20	10	19	29	38	48	57	67	76	86
700	113	114	116	117	119	121	122	124	125	127	30	14	29	43	57	72	86	100	115	129
800	129	130	132	133	135	137	138	140	141	143	40	19	38	57	76	96	115	134	453	172
900	145	146	148	149	151	153	154	156	158	159	50	24	48	72	96	120	143	167	1-91	215

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'	100	200	300	400	500.	600	700	800	900	*t*
30	98,6285	197,257	295,885	394,514	493,142	591,771	690,399	789,028	887,657	30
31	98,6237	197,247	295,871	394,495	493,11-8	591,742	690,366	788,990	887,613	29
32	98,6189	197,237	295,856	394,475	493,094	591,713	690,332	788,951	887,570	28
33	98,6141	197,228	295,842	394,456	493,070	591,684	690,298	788,912	887,527	27
34	98,6092	197,218	295,827	394,437	493,046	591,655	690,265	788,874	887,483	26
35	98,6044	197,208	295,813	394,417	493,022	591,626	690,231	788,835	887,440	25
36	98,5996	197,199	295,798	394,398	492,998	591,597	690,197	788,796	887,396	24
37	98,5947	197,189	295,784	394,379	492,973	591,568	690,163	788,757	887,352	23
• 38	98,5898	197,179	295,769	394,359	492,949	591,539	690,129	788,719	887,308	22
39	98,5850	197,170	295,755	394,340	492,925	591,510	690,095	788,680	887,265	21
40	98,5801	197,160	295,740	394,320	492,900	591,480	690,060	788,641	887,221	20
41	98,5752	197,150	295,725	394,300	492,876	591,451	690,026	788,601	887,177	19
42	98,57.03	197,140	295,711	394,281	492,851	591,422	689,992	788,562	887,133	18
43	98,5654	197,130	295,696	394,261	492,827	591,392	689,958	788,523	887,088	17
44	98,5605	197,121	295,681	394,242	492,802	591,363	689,923	788,484	887,044	16
45	98,5556	197,111	295,666	394,222	492,778	591,333	689,889	788,444	887,000	15
46	98,5506	197,101	295,652	394,202	492,753	591,304	689,854	788,405	886,956	14
47	98,5457	197,091	295,637	394,182	492,728	591,274	689,820	788,365	886,911	13
48	98,5407	197,081	295,622	394,163	492,703	591,244	689,785	788,326	886,867	12
49	98,5358	197,071	295,607	394,143	492,679	591,215	689,750	788,286	886,822	11
50	98,5308	197,061	295,592	394,123	492,654	591,185	689,716	788,246	866,777	10
51	98,5258	197,051	295,577	394,103	492,629	591,155	689,681	788,207	886,733	9
52	98,5209	197,041	295,562	394,083	492,604	591,125	689,646	788,167	886,688	8
53	98,5159	197,031	295,547	394,063	492,579	591,095	689,611	788,127	886,643	7
54	98,5109	197,021	295,532	394,043	492,554	591,065	689,576	788,087	886,598	6
55	98,5059	197,011	295,517	394,023	492,529	591,035	689,541	788,047	886,553	5
56	98,5009	197,001	295,502	394,003	492,504	591,005	689,506	788,007	886,508	4
57	У8,4958	196,991	2b5,487	393,983	492,479	590,975	689,471	787,967	886,463	3
58	98,4908	196,981	295,472	393,963	492,454	590,945	689,436	787,926	886,417	2
59	98,4858	196,971	295,457	393,943	492,429	590,914	689,400	787,886	886,372	1
60	98,4807	196,961	295,442	393,923	492,403	590,884	689,365	787,846	886,326	0

	100	200	300	400	500	600	700	800	900	'
ṙi	5	10	15	20	25	30	35	39	44	*d*

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MU	00	10	20	30	40	50	60	70	80	90	*'Id*	5	10	15	20	25	30	35	39	44
100	99	108	118	128	138	148	158	168	177	187	6	0	1	1	2	2	3	3	4	4
200	197	207	217	227	237	246	256	266	276	286	7	1	1	2	2	3	3	4	5	5
300	296	306	315	325	335	345	355	365	375	384	8	1	1	2	3	3	4	5	5	6
400	394	404	414	424	434	444	453	463	473	483	9	1	1	2	3	• 4	4	5	6	7
500	493	503	512	522	532	542	552	562	572	581	10	1	2	2	3	4	5	6	7	7
600	591	601	611	621	631	641	650	660	670	680	20	2	3	5	7	8	10	12	13	15
700	690	700	710	719	729	739	749	759	769	779	30	2	5	7	10	12	15	17	20	22
800	788	798	808	818	828	838	848	857	867	877	40	3	7	10	13	17	20	23	27	30
800	887	897	907	917	926	936	946	956	966	976	50	4	8	12	17	21	25	29	33	38

'	100	200	300	400	500	600	700	800	900	'
30	16,5047	33,009	49,514	66,019	82,523	99,028	115,533	132,038	148,542	30
31	16,5334	33,066	49,600	66.133	82,667	99,200	115,734	132,267	148,801	29
32	16,5621	33,124	49,686	66,248	82,810	99,372	115,934	132,497	149,059	28
33	16,5908	33,181	49,772	66,363	82,954	99,544	116,135	132,726	149,317	27
34	16,6195	33,239	49,858	66,478	83,097	99,717	116,336	132,956	149,575	26
35	16,6481	33,2%	49,944	66,592	83,240	99,889	116,537	133,185	149,833	25
36	16,6768	33,353	50,030	66,707	83,384	100,061	116,738	133,414	150,091	24
37	16,7055	33,411	50,116	66,822	83,527	100,233	116,938	133,644	150,349	23
38	16,7342	33,468	50,202	66,936	83,671	100,405	117,139	133,873	150,608	22
39	16,7629	33,525	50,288	67,051	83,814	100,577	117,340	134,103	150,866	21
40	16,7915	33,583	50,374	67,166	83,957	100,749	117,541	134,332	151,124	20
41	16,8202	33,640	50,460	67,281	84,101	100,921	117,741	134,562	151,382	19
42	16,8489	33,697	50,546	67,395	84,244	101,093	117,942	134,791	151,640	18
43	16,8776	33,755	50,632	67,510	84,388	101,265	118,143	135,020	151,898	17
44	16,9062	33,812	50,718	67,625	84,531	101,437	118,343	135,250	152,156	16
45	16,9349	33,869	50,804	67,739	84,674	101,609	118,544	135,479	152,414	15
46	16,9636	33,927	50,890	67,854	84,818	101,781	118,745	135,708	152,672	14
47	16,9922	33,984	50,976	67,969	84,961	101,953	118,945	135,938	152,930	13
48	17,0209	34,041	51,062	68,083	85,104	102,125	119,146	136,167	153,188	12
49	17,0496	34,099	51,148	68,198	85,248	102,297	119,347	136,396	153,446	И
50	17,0782	34,156	51,234	68,313	85,391	102,469	119,547	136,626	153,704	10
51	17,1069	34,213	51,320	68,427	85,534	*102,641	119,748	136,855	153,962	9
52	17,1355	34,271	51,406	68,542	85,677	102,813	119,949	137,084	154,220	8
53	17,1642	34,328	51,492	68,657	85,821	102,985	120,149	137,314	154,478	7
54	17,1929	34,385	51,578	68,771	85,964	103,157	120,350	137,543	154,736	6
55	17,2215	34,443	51,664	68,886	86,107	103,329	120,550	137,772	154,994	5
56	17,2502	34,500	51,750	69,000	86,251	103,501	120,751	138,001	155,251	4
57	17,2788	34,557	51,836	69,115	86,394	103,673	120,952	138,230	155,509	3
58	17,3075	34,615	51,922	. 69,230	86,537	103,845	121,152	138,460	155,767	2
59	17,3361	34,672	52,008	69,344	86,680	104,017	121,353	138,689	156,025	1
60	17,3648	34,729	52,094	69,459	86,824	104,188	121,553	138,918	156,283	0
'	100	200	300	400	500	600	700	800	900	#
d	29	57	86	115	143	172	201	229	258	***d***

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им	00	10	20	30	40	50	60	70	80	90
100	17	19	20	22	24	25	27	29	30	32
200	34	36	37	39	41	42	44	46	47	49
300	51	52	54	56	58	59	61	63	64	66
400	68	69	71	73	75	76	78	80	81	83
500	85	86	88	90	91	93	95	97	98	100
600	102	103	105	107	108	110	112	113	115	117
700	119	120	122	124	125	127	129	130	132	134
800	135	137	139	141	142	144	146	147	149	151
900	152	154	156	157	159	161	163	164	166	168

'Id	29	57	86	.115	143	172	201	229	258
6	3	6	9	11	14	17	20	23	26
7	3	7	10	13	17	20	23	27	30
8	4	8	11	15	19	23	27	31	34
9	4	9	13	17	22	26	30	34	39
10	5	10	14	19	24	29	33	38	43
20	10	19	29	38	48	57	67	76	86
30	14	29	43	57	72	86	100	115	129
40	19	38	57	76	96	115	134	153	172
50	24	48	72	96	120	143	167	191	215

	100	200	300	400	500	COO	700	800	900	’
0	98,4S07	196,961	295,442	393,923	492,403	590,884	689,365	787,846	886,326	60
1	98,4757	196,951	295,427	393,902	492,378	590,854	689,330	787,805	886,281	59
2	98,4706	196,941	295,411	393,882	492,353	590,823	689,294	787,765	886,235	58
3	08,4655	196,931	295,396	393,862	492,327	590,793	689,259	787,724	886,190	57
4	98,4605	196,921	295,381	393,842	492,302	590,763	689,223	787,684	886,144	56
5	98,4554	196,910	295,366	■393,821	492,277	590,732	689,187	787,643	886,098	55
6	98,4503	196,900	295,350	393,801	492,251	590,701	689,152	787,602	886,052	54
7	98,4452	196,890	295,335	393,780	492,226	590,671	689,116	787,561	886,006	53
8	98,4400	196,880	295,320	393,760	492,200	590,640	689,080	787,520	885,960	52
9	98,4349	196,869	295,304	393,739	492,174	590,609	689,044	787,479	885,914	51
10	98,4298	196,859	295,289	393,719	492,149	590,579	689,008	787,438	885,868	50
И	98,4247	196,849	295,274	393.698	492,123	590,548	688,972	787,397	885,822	49
12	98,4195	196,839	295,258	393,678	492,097	590,517	688,936	787,356	885,776	48
13	98,4144	196,828	295,243	393,657	492,072	590,486	688,900	787,315	885,729	47
14	98,4092	196,818	295,227	393,636	492,046	590,455	688,864	787,273	885,683	46
15	98,4040	196,808	295,212	393,616	492,020	590,424	688,828	787,232	885,636	45
16	98,3988	196,797	295,196	393,595	491,994	590,393	688,792	787,191	885,590	44
17	98,3937	196,787	295,181	393,574	491,968	590,362	688,755	787,149	885,543	43
18	98,3885	196,777	295,165	393,554	491,942	590,331	688,719	787,108	885,496	42
19	98,3832	196,766	295,149	393,533	491,916	590,299	688,683	787,066	885,449	41
20	98,3780	196,756	295,134	393,512	491,890	590,268	688,640	787,024	885,402	40
21	98,3728	196,745	295,118	393,491	491,864	590,237	688,610	786,982	885,355	39
22	<>8,3676	196,735	295,102	393,470	491,838	590,205	688,573	786,941	885,308	38
23	98,3623	196,724	295,087	393,449	491,811	590,174	688,536	786,899	885,261	37
24	98,3571	196,714	295,071	393,428	491,785	590,142	688,500'	786,857	885,214	36
25	98,3518	196,703	295,055	393,407	491,759	590,111	688,463	786,815	885,167	35
26	98,3466	196,693	295,039	393,386	491,733	590,079	688,426	786,773	885,119	34
27	Я8,3413	196,682	295,024	393,365	491,706	590,048	688,389	786,730	885,072	33
28	98,3360	196,672	295,008	393,344	491,680	590,016"	688,352	786,688	885,024	32
29	98,3307	196,661	294,992	393,323	491,653	589,984	688,315	786,646	884,977	31
30	98,3254	196,650	294,976	393,301	491,627	589,952	688,278	786,603	884,929	30

	100	200	300	400	500	600	700	800	900	
d	5	10	16	21	26	31	36	41	47	***d***

юл	00	10	20	30	40	SO	60	TO	80	90	7 ***d*** 5	10	16	21	26	31	36	41	47
100	98	108	118	128	138	148	157	167	177	187	6	1	1	2	2	3	3	4	4	5
200	197	207	216	226	236	246	256	266	276	285	7	1	1	2	2	3	4	4	5	5
300	295	305	315	325	335	344	354	364	374	384	8	1	1	2	3	3	4	5	6	Ö
400	394	403	413	423	433	443	453	462	472	482	9	1	2	2	3	4	5	5	6	7
500	492	502	512	522	531	541	551	561	571	581	10	1	2	3	3	4	5	6	7	8
600	590	600	610	620	630	640	649	659	669	679	20	2	3	5	7	9	10	12	14	16
700	689	•699	709	718	728	738	748	758	768	777	30	3	5	8	10	13	16	18	21	23
800	787	797	807	817	827	836	846	856	866	876	40	4	7	10	14	17	21	24	28	31
900	886	895	905	915	925	935	945	955	964	974	50	4	9	13	17	21	26	30	35	39

'	100	200	300	400	500	600	700	800	900	•
0	17,3648	34,729	52,094	69,459	86,824	104,188	121,553	138,918	156,283	60
1	17,3934	34,786	52,180	69,573	86,967	104,360	121,754	139,147	156,541	59
2	17,4221	34,844	52,266	69,688	87,110	104,532	121,954	139,376	156,798	58
3	17,4507	34,901	52,352	69,803	87,25Э	104,704	122,155	139,606	157,056	57
4	17,4793	34,958	52,438	69,917	87,396	104,876'	122,355	139,835	157,314	56
5	17,5080	35,016	52,524	70,032	87,540	105,048	122,556	140,064	157,572	55
6	17,5366	35,073	52,610	70,146	87,683	105,220	122,756	140,293	157,830	54
7	17,5653	35,130	52,695	70,261	87,826	105,391	122,957	140,522	158,087	53
8	17,5939	35,187	52,781	70,375	87,969	105,563	123,157	140,751	158,345	52
9	17,6225	35,245	52,867	70,490	88,112	105,735	123,358	140,980	158,603	51
10	17,6512	35,302	52,953	70,604	88,256	105,907	123,558	141,209	158,860	50
И	17,6798	35,359	53,039	70,719	88,399	106,079	123,758	141,438	159,118	49
12	17,7084	35,416	53,125	70,833	88,542	106,250	123,959	141,667	159,376	48
13	17,7371	35,474	53,211	70,948	88,685	106,422	124,159	141,896	159,633	47
14	17,7657	35,531	53,297	71,062	88,828	106,594	124,360	142,125	159,891	46
15	17,7943	35,588	53,383	71,177	88,971	106,766	124,'560	142,354	160,149	45
16	17,8229	35,645	53,468	71,291	89,114	106,937	124,700	142,583	160,406	44
17	17,8515	35,703	53,554	71,406	89,258	107,109	124,961	142,812	160,664	43
18	17,8802	35,760	53,640	71,520	89,401	107,281	125,161	143,041	160,921	42
19	17,9088	35,817	53,726	71,635	89,544	107,453	125,361	143,270	161,179	41
20	17,9374	35,874	53,812	71,749	89,687	107,624	125,562	143,499	161,437	40
21	17,9660	35,932	53,898	71,864	89,830	107,796	125,762	143,728	161,694	39
22	17,9946	35,989	53,984	71,978	89,973	107,968	125,962	143,957	161,952	38
23	18,0233	36,046	54,069	72,093	90,116-	108,139	126,163	144,186	162,209	37
24	18,0519	36,103	54,155	72,207	90,259	108,311	126,363	144,415	162,467	36
25	18,0805	36,161	54,241	72,322	90,402	108,483	126,563	144,644	162,724	35
26	18,1091	36,218	54,327	72,436	90,545	108,654	126,763	144,873	162,982	34
27	18,1377	36,275	54,413	72,550 ■	90,688	108,826	126,964	145,101	163,239	33
28	18,1663	36,332	54,499	72,665	90,831	108,998	127*164	145,330	163,497	32
29	18,1949	36,389	54,584	72,779	90,974	109,169	127,364	145,559	163,754	31
30	18,2235	36,447	54,670	72,894	91,117	<09,341	127,56«	145,788	164,011	30
<'	100	200	300	400	500	SOO	700	800	900	•
d	29	57	86	115	143	172	200	229	258	***d***

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Ю1	00	10	20	30	40	50	60	70	80	90	7***d*** 29	57	1	36	115	143	172	200	229	258
100	18	20	21	23	25	27	28	30	32	34	6	3	6	9	11	14	17	20	23	26
200	36	37	39	41	43	44	46	48	50	52	7	3	7	10	13	17	20	23	27	30
300	53	55	57	59	fil	62	64	66	68	69	8	4	8	11	15	19	23	27	31	34
400	71	73	75	77	78	80	82	84	85	87	9	4	9	13	17	21	26	30	34	39
500	89	91	93	94	96	98	100	101	103	105	10	5	10	14	19	24	29	33	38	43
600	107	109	110	112	114	116	117	11Й	121	123	20	10	19	29	38	48	57	67	76	86
700	125	126	128	130	132	133	135	137	139	141	30	14	29	43	57	72	86	100	114	129
800	142	144	146	148	149	151	153	155	157	158	40	19	38	57	76	95	114	134	153	172
900	160	162	164	165	167	169	171	173	174	176	50	24	48	72	95	119	143	167	191	215

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θ	100	200	300	400	500	600	700	800	900	t
30	98,3254	196,650	294,976	393,301	491,627	589,952	688,278	786,603	884,929	30
31	98,3201	196,640	294,960	393,280	491,600	589,921	688,241	786,561	884,881	29
32	98,3148	196,629	294,944	393,259	491,574	589,889	688,204	786,518	884,833	28
33	98,3095	196,619	294,928	393,238	491,547	589,857	688,166	786,476	884,785	27
34	98,3042	196,608	294,912	393,216	491,521	589,825	688,129	786,433	884,737	26
35	98,2988	196,597	294,896	393,195	491,494	589,793	688,092	786,391	884,689	25
36	98,2935	196,587	294,880	393,174	491,467	589,761	688,054	786,348	884,641	24
37	98,2881 •	196,576	294,864	393,152	491,440	589,729	688,017	786,305	884,593	23
38	98,2828	196,565	294,848	393,131	491,414	589,696	697,979	786,262	884,545	22
39	98,2774	196,554	294,832	393,109	491,387	589,664	697,942	786,219	884,497	21
40	98,2720	196,544	294,816	393,088	491,360	589,632	687,904	786,176	884.448	20
41	98,2666	196,533	294,800	393,066	491,333	589,600	687,866	786,133	884,400	19
42	98,2612	196,522	294,783	393,045	491,306	589,567	687,828	786,090	884,351	18
43	98,2558	196,511	294,767	393,023	491,279	589,535	687,791	786,047	884,302	17
44	98,2504	196,500	294,751	393,001	491,252	589,502	687,753	786,003	884,254	16
45	98,2450	196,490	294,735	392,980	491,225	589,470	687,715	785,960	884,205	15
4f>	98,2396	196.479	294,718	392,958	491,198	589,437	687,677	785,916	884,156	14
47	98,2341	196,468	294,702	392,936	491,170	589,405	687,639	785,873	884,107	13
48	98,2287	196,457	294,686	392,914	491,143	589,372	687,601	785,829	884,058	12
49	98,2232	196,446	294,669	392,893	491,116	589,339	687,562	785,786	884,009	И
50	98,2178	196,435	294,653	392,871	491,089	589,306	687,524	785,742	883,960	10
51	98,2123	196,424	294,637	392,849	491,061	589,274	687,486	785,698	883,911	9
52	98,2068	196,413	294,620	392,827	491,034	589,241	687,447	785,654	883,861	8
53	98,2013	196,402	294,604	392,805	491,006	589,208	687,409	785,610	883,812	7
54	98,1958	196,391	294,587	392,783	490,979	589,175	687,371	785,566	883,762	6
55	98,1903	196,380	294,571	392,761	490,951	589,142	697,332	785,522	883,713	5
56	98,1848	196,369	294,554	392,739	490,924	589,109	697,293	785,478	883,663	■A
57	98,1793	196,358	294,538	392,717	490,896	589,076	697,255	785,434	883,613	3
58	98,1738	196,347	294,521	392,695	490,869	589,042	697,216	785,390	883,564	2
59	98,1682	196,336	294,504	392,673	490,841	589,009	697,177	785,346	883,514	1
60	98,1627	196,325	294,488	392,650	490,813	588,976	697,139	785,301	883,464	0
t	100	200	300	400	500	600	700	800	900	'
d	5	11	16	22	27	33	38	43	49	***d***

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MM	00	10	20	30	40	50	60	70	80	90	***%d***	5	11	16	22	27	33	38	43	49
100	98	108	118	128	138	147	157	167	177	187	6	1	1	2	2	3	3	4	4	5
200	196	206	216	226	236	246	255	265	275	285	7	1	1	2	3	3	4	4	5	6
300	295	305	314	324	334	344	354	364	373	383	8	1	1	2	3	4	4	5	6	7
400	393	403	413	422	432	442	452	462	472	481	9	1	2	2	3	4	5	6	7	7
500	491	501	511	521	531	540	550	560	570	580	10	1	2	3	4	5	5	6	7	8
600	589	599	609	619	629	639	648	658	668	678	20	2	4	5	7	0	11	13	14	16
700	688	698	707	717	727	737	747	756	766	776	30	3	5	8	11	14	16	19	22	24
800	786	796	806	815	825	835	845	855	865	874	40	4	7	11	14	18	22	25	29	33
900	884	894	904	914	924	933	943	953	963	973	50'	5	9	14	18	23	27	32	36	41

'	100	200	300	400	500	600	700	*800	900	•
30	18,2235	36,447	54,670	72,894	91,117	109,341	127,564	145,788	164,011	30
31	18,2521	36,504	54,756	73,008	91,260	109,512	127,765	146,017	164,269	29
32	18,2807	36,561	54,842	73,123	91,403	109,684	127,965	146,246	164,526	28
33	18,3093'	36,618	54,928	73,237	91,546	109,856	128,165	146,474	164,784	27
34	18,3379	36,675	55,013	73,351	91,689	110,027	128,365	146,703	165,041	26
35	18,3665	36,733/	55,099	73,466	91,832	110,199	128,565	146,932	165,298	25
36	18,3951	36,790	55,185	73,580	91,975	110,370	128,765	147,161	165,556	24
37	18,4237	36,847	55,271	73,694	92,118	110,542	128,966	147,389	165,813	23
38	18,4523	36,904	55,356	73,809	92,261	110,713	129,166	147,618	166,070	22
39	18,4809	36,961	55,442	73,923	92,404	110,885	129,366	147,847	166,328	21
40	18,5094	37,018	55,528	74,037	92,547	111,056	129,566	148,075	166,585	20
41	18,5380	37,076	55,614	74,152	92,690	111,228	129,766	148,304	166,842	19
42	18,5666	37,133	55,699	74,266	92,833	111,399	129,966	148,533	167,099	18
43	18,5952	37,190	55,785	74,380	92,976	111,571	130,166	148,761	167,357	17
44	18,6238	37,247	55,871	74,495	93,119	111,742	130,366	148,990	167,614	16
45	18,6524	37,304	55,957	74,609	93,262	111,914	130,566	149,219	167,871	15
46	18,6809	37,361	56,042	74,723	93,404	112,085	130,766	149,447	168,128	14
47	18,7095	37,419	56,128	74,838	93,547	112,257	130,966	149,676	168,386	13
48	18,7381	37,476	56,214	74,952	93,690	112,428	131,166	149,905	168,643	12
49	18,7667	37,533	56,300	75,066	93,833	112,600	131,366	150,133	168,900	11
50	18,7952	37,590	56,385	75,181	93,976	112,771	131,566	150,362	169,157	10
51	18,8238	37,647	56,471	75,295	94,119	112,943	131,766	150,590	169,414	9
52	18,8524	37,704	56,557	75,409	94,262	113,114	131,966	150,819	169,671	8
53	18,8809	37,761	56,642	75,523	94,404	113,285	132,166	151,047	169,928	7
54	18,9095	37,819	56,728	75,638	94,547	113,457	132,366	151,276	170,185	6
55	18,9381	37,876	56,814	75,752	94,690	113,628	132,566	151,504	170,442	5
56	18,9666	37,933	56,900	75,866	94,833	113,800	132,766	151,733	170,700	4
57	18,9952	37,990	56,985	75,980	94,976	113,971	132,966	151,961	170,957	3
58	19,0237	38,047	57,071	76,095	95,118	114,142	133,166	152,190	171,214	2
59	19,0523	38,104	57,157	76,209	95,261	114,314	133,366	152,418	171,471	1
60	19,0808	38,161	57,242	76,323	95,404	114,485	133,566	152,647	171,728	0
	100	200	300	400	500	600	700	800	900	⁹
d	29	57	86	114'	143	172	200	229	257	***d***

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им	00	10	20	30	40	50	60	70	80	90	*;*d*	29	57	86	114	143	172	200	229	257
100	19	21	22	24	26	28	30	32	34	35	6	3	6	9	11	14	17	20	23	26
200	37	39	41	43	45	47	48	50	52	54	7	3	7	10	13	17	20	23	27	30
300	56	58	60	62	63	65	67	69	71	73	8	4	8	11	15	19	23	27	30	34
400	75	76	78.	80	82	84	86	88	90	91	9	4	9	13	17	21	26	30	34	39
500	93	95	97	99	101	103	104	106	108	110	10	5	10	14	19	24	29	33	38	43
600	112	114	116	118	119	-121	123	125	127	129	20	10	19	29	38	48	57	67	76	86
700	131	132	134	136	138	140	142	144	145	147	30	14	29	43	57	72	86	100	114	129
800	149	151	153	155	157	159	160	162	164	166	40	19	38	57	76	95	114	133	152	172
900	168	170	172	173	175	177	179	181	183	185	50	24	48	71	95	119	143	167	191	214

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§	100	200	300	400	500	600	700	800	900	-
0	98,1627	196,325	294,488	392,650	490,813	588,976	687,139	785,304	883,464	60
1	98,1571	496,314	294,471	392,628	490,785	588,942	687,400	785,257	883,414	59
2	98,1516	196,303	294,454	392,606	490,758	588,909	687,064	785,242	883,364	58
3	98,1460	196,292	294,438	392,584	490,730	588,876	687,022	785,468	883,314	57
4	98,1404	196,280	294,421	392,561	490,702	588,842	686,983	785,423	883,264	56
5	98,1348	196,269	294,404	392,539	490,674	588,809	686,944	785,078	883,213	55
6	98,1292	196,258	294,387	392,517	490,646	588,775	686,904	785,034	883,163	54
7	98,1236	196,247	294,370	392,494	490,618	588,741	686,865	784,989	883,112	53
8	98,4180	196,236	294,354	392,472	490,590	588,708	686,826	784,944	883,062	52
9	98,1124	196,224	294,337	392,449	490,562	588,674	686,787	784,899	883,011	54
10	98,1068	196,213	294,320	392,427	490,534	588,640	686,747	784,854	882,961	50
11	98,1011	196,202	294,303	392,404	490,505	588,606 ■	686,708	784,809	882,940	49
12	98,0955	196,191	294,286	392,382	490,477	588,573	686,668	784,764	882,859	48
13	98,0899	196,479	294,269	392,359	490,449	588,539	686,629	784,748	882,808	47
14	98,0841	196,468	294,252	392,336	490,421	588,505	686,589	784,673	882,757	46
15	98,0785	496,157	294,235	392,314	490,392	588,471	686,549	784,628	882,706	45
16	98,0728	496,445	294,218	392,291	490,364	588,437	686,509	784,582	882,655	44
17	98,0671	496,434	294,201	392,268	490,335	588,402	686,470	784,537	882,604	43
18	98,0614	496,422	294,484	392,245	490,307	588,368	686,430	784,491	882,553	42
19	98,0557	496,441	294,467	392,223	490,278	588,334	686,390	784,446	882,501	44
20	98,0500	196,100	294,450	392,200	490,250	588,300	686,350	784,400	882,450	40
21	98,0443	196,088	294,432	392,177	490,221	588,265	686,340	784,354	882,398	39
22	98,0386	196,077	294,445	392,454	490,193	588,231	585,270	784,308	882,347	38
23	98,0328	196,065	294,098	392,434	490,164	588,197'	686,230	784,262	882,295	37
24	98,0271	196,054	294,084	392,108	490,135	588,162	686,489	784,216	882,244	36
25	98,0213	196,042	294,064	392,085	490,106	588,128	686,449	7S4.170	882,192	35
26	98,0156	196,031	294,046	392,062	490,078	588,093	686,409	784,124	882,140	34
27	98,0098	196,049	294,029	392,039	490,049	588,058	686,068	784,078	882,088	33
28	98,0040	196,008	294,042	392,016	490,020	588,024	686,028	784,032	882,036	32
29	97,9982	195,996	293,994	391,993	489,991	587,989	685,987	783,986	881,984	34
30	97,9924	195,984	293,977	391,969	489,962	587,954	685,947	783,939	881,932	30
'	100	200	300	400	500	600	700	800	900	-
d	6	11	17	23	28	34	40	45	51	***d***

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UM	00	10	20	30	40	50	60	70	80	90	7<¿	6	11	17	23	28	34	40	45	51
100	98	108	118	428	437	447	457	167	. 177	186	6	1	1	2	2	3	3	4	5	5
200	496	206	216	226	235	245	255	265	275	284	7	1	4	2	3	3	4	5	5	6
300	294	304	314	324	333	343	353	363	373	383	8	1	2	2	3	4	5	5	6	7
400	392	402	412	422	432	444	451	464	471	481	9	1	2	3	3	4	5	6	7	8
500	490	500	510	520	530	539	549	559	569	579	10	1	2	3	4	5	6	7	8	9
600	588	598	608	648	628	638-	647	657	667	677	20	2	4	6	8	9	И	13	15	17
700	687	696	706	746	726	736	745	755	765	775	30	3	6	9	44	14	17	20	23	26
800	785	794	804	844	824	834	843	853	863	873	40	4	8	44	45	19	23	26	30	34
900	883	893	902	942	922	932	942	951	961	971	50	5	9	44	49	24	28	33	38	43

*	100	200	300	400	500	600	700	800	900	-
0	19,0808	38,161	57,242	76,323	95,404	114,485'	133,566	152,647	171,728	60
1	19,1094	38,218	57,328	76,437	95,547	114,656	133,766	152,875	171,985	59
2	19,1380	38,276	57,414	76,552	95,690	114,828	133,966	153,104	172,242	58
3	19,1665	38,333	57,499	76,666	95,832	114,999	134,165	153,332	172,498	57
4	19,1951	38,390	57,585	76,780	95,975	115,170	134,365	153,560	172,755	56
5	19,2236	38,447	57,670	76,894	96,118	115,341	134,565	153,789	173,012	55
в	19,2521	38,504	57,756	77,008	96,260	115,513	134,765	154,017	173,269	54
7	19,2807	38,561	57,842	77,122	96,403	115,684	134,965	154,245	173,526	53
8	19,3092	38,618	57,927	77,237	96,546	115,855	135,164	154,474	173,783	52
9	19,3378	38,675	58,013	77,351	96,689	116,026	135,364	154,702	174,040	51
10	1-9,3663	38,732	58,099	77,465	96,831	116,198	135,564	154,930	174,297	50
11	19,3948	38,789	58,184	77,579	96,974	116,369	135,764	155,159	174,554	49
12	19,4234	38,846	58,270	77,693	97,117	116,540	135,964	155,387	174,810	48
13	19,4519	38,903	58,355	77,807	,97,259	116,711	136,163	155,615	175,067	47
14	19,4805	38,961	58,441	77,922	97,402	116,883	136,363	155,844	175,324	46
15	19,5090	39,018	58,527	78,036	97,545	117,054	136,563	156,072	175,581	45
16	19,5375	39,075	58,612	78,150	97,687	117,225	136,762	156,300	175,838	44
17	19,5660	39,132	58,698	78,264	97,830	117,396	136,962	156,528	176,094	43
18	19,5946	39,189	58,783	78,378	97,973	117,567	137,162	156,756	176,351	42
19	19,6231	39,246	58,869	78,492	98,115	117,738	137,361	156,985	176,608	41
20	19,6516	39,303	58,954	78,606	98,258	117,909	137,561	157,213	176,864	40
21	19,6801	39,360	59,040	78,720	98,400	118,081	137,761	157,441	177,121	39
22	19,7086	39,417	59,126	78,834	98,543	118,252	137,960	157,669	177,378	38
23	19,7372	39,474	59,211	78,948	98,686	118,423	138,160	157,897	177,634	37
24	19,7657	39,531	59,297	79,062	98,828	118,594	138,360	158,125	177,891	36
25	19,7942	39,588	59,382	79,176	98,971	118,765	138,559	158,353	178,148	35
26	19,8227	39,645	59,468	79,291	99,113	118,936	138,759	158,582	178,404	34
27	19,8512	39,702	59,553	79,405	99,256	119,107	138,958	158,810	178,661	33
28	19,8797	39,759	59,639	79,519	99,398	119,278	139,158	159,038	178,918	32
29	19,9082	39,816	59,724	79,633	99,541	119,449	139,357	159,266	179,174	31
30	19,9367	39,873	59,810	79,747	99,683	119.620	139,557	159,494	179.431	30
	100	200	300	400	500	600	700	800	900	
d	29	57	86	114	143	171	200	228	257	***d***

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258°—

UM	00	10	20	30	40	50	60	70	80	90
100	20	21	23	25	27	29	31	33	35	37
200	39	41	43	45	47	49	51	53	55	57
300	59	60	62	64	66	68	70	72	74	76
400	78	80	82	84	86	88	90	92	94	96
500	98	99	101	103	105	107	109	111	ИЗ	115
600	117	119	121	123	125	127	129	131	133	135
700	137	139	140	142	144	146	148	150	152	154
800	156	158	160	162	164	166	168	170	172	174
900	176	178	179	181	183	185	187	189	191	193

7***d***	29	57	86	114	143	171	200	228	257
6	3	6	9	11	14	17	20	23	26
7	3	7	10	13	17	20	23	27	30
8	4	8	и	\5	19	23	27	30	34
9	4	9	13	17	21	26	30	34	39
10	5	9	14	19	24	29	33	38	43
20	10	19	29	38	48	57	67	76	86
30	14	29	43	57	71	86	100	114	128
40	19	38	57	76	95	114	133	152	171
50	24	48	71	95	119	143	166	190	214

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°	100	200	300	400	500	600	700	800	900	'
30	97,'9924	195,984	293,977	391,969	489,962	587,954	685,947	783,939	881,932	30
31	97,9866	195,973	293,960	391,946	489,933	587,920	685,906	783,893	881,880	29
32	97,9808	195,961	293,942	391,923	489,904	587,885	685,865	783,846	881,827	28
33	97,9750	195,950	293,925	391,900	489,875	587,850	685,825	783,800	881,775	27
34	97,9692	195,938	293,907	391,876	489,846	587,815	685,784	783,753	881,722	26
35	97,9633	195,926	293,890	391,853	489,816	587,780	685,743	783,706	881,670	25
36	97,9575	195,915	293,872	391,830	489,787	587,745	685,702	783,660	881,617	24
37	97,9516	195,903	293,855	391,806	489,758	587,710	685,661	783,613	881,565	23
38	97,9458	195,891	293,837	391,783	489,729	587,674	685,620	783,566	881,512	22
39	97,9399	195,879	293,819	391,759	489,699	587,639	685,579	783,519	881,459	21
40	97,9340	195,868	293,802	391,736	489,670	587,604	685,538	'783,472	881,406	20
41	97,9281	195,856	293,784	391,712	489,640	587,569	685,497	783,425	881,353	19
42	97,9222	195,844	293,766	391,689	489,611	587,533	685,455	783,378	881,300	18
43	97,9163	195,832	293,749	391,665	489,581	587,498	685,414	783,331	881,247	17
44	97,9104	195,820	293,731	391,641	489,552	587,462	685,373	783,283	881,194	16
45	97,9045	195,809	293,713	391,618	489,522	587,427	685,331	783,236	881,140	15 >
46	97,8986	195,797	293,695	391,594	489,493	587,391	685,290	783,188	881,087	14
47	97,8926	195,785	293,678	391,570	489,463	587,356	685,248	783,141	881,034	13
48	97,8867	195,773	293,660	391,546	489,433	587,320	685,207	783,093	880,980	12
49	97,8807	195,761	293,642	391,523	489,403	587,284	685,165	783,046	880,927	11
50	97,8748	195,749	293,624	391,499	489,374	587,248	685,123	782,998	880,873	10
51	97,8688	195,737	293,606	391,475	489,344	587,213	685,082	782,950	880,819	9
52	97,8628	195,725	293,588	391,451	489,314	587,177	685,040	782,903	880,765	8
53	97,8568	195,713	293,570	391,427	489,284	587,141	684.998	782,855	880,712	7
54	97,8508	195,701	293,552	391,403	489,254	587,105	684,956	782,807	880,658	6
55	97,8448	195,689	293,534	391,379	489,224	587,069	684,914	782,759	880,604	5
56	97,8388	195,677	293,516	391,355	489,194	587,033	684,872	782,711	880,549	4
57	97,8328	195,665	293,498	391,331	489,164	586,997	684,830	782,662	880,495	3
58	97,8268	195,653	293,480	391,307	489,134	586,961	684,787	782,614	880,441	2
59	97,8208	195,641	293,462	391,283	489,104	586,924	684,745	782,566	880,387	1
60	97,8147	195,629	293,444	391,259	489,073	586,888	684,703	782,518	880,332	0
'	100	200	300	400	500	600	700	800	900	°
d	6	12	18	24	30	36	42	47	53	***d***

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258°—

III	00	10	20	30	40	50	60	70	80	90
100	98	108	117	127	137	147	157	166	176	186
200	196	206	215	225	235	245	255	264	274	284
300	294	304	313	323	333	343	352	362	372	382
400	392	401	411	421	431	441	450	460	470	480
500	490	499	509	519	529	538	548	558	568	578
600	587	597	607	617	627	636	646	656	666	676
700	685	(595	705	715	724	734	744	754	764	773
800	783	793	803	813	822	832	842	852	862	871
900	881	891	901	911	920	930	940	950	959	969

'/ ***d***	6	12	18	24	30	36	42	47	53
6	1	1	2	2	3	4	4	5	5
7	1	1	2	3	3	4	5	6	6
8	1	2	2	3	4	5	6	6	7
9	1	2	3	4	4	5	6	7	8
10	1	2	3	4	5	6	7	»	9
20	2	4	6	8	10	12	14	16	18
30	3	6	9	12	15	18	21	24	27
40	4	8	12	16	20	24	28	32	36
50	5	9	15	20	25	30	35	40	45

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'	100	200	300	400	500	600	700	800	900	-
30	19,9367	39,873	59,810	79,747	99,683	119,620	139,557	159,494	179,431	30
31	19,9652	39,930	59,895	79,861	99,826	119,791	139,757	159,722	179,687	29
32	19,9937	39,987	59,981	79,975	99,969	119,962	139,956	159,950	179,944	28
33	20,0223	40,044	60,066	80,089	100,111	120,133	140,156	160,178	180,200	27
34	20,0507	40,101	60,152	80,203	100,253	120,304	140,355	160,406	180,457	26
35	20,0792	40,158	60,237	80,317	100,396	120,475	140,555	160,634	180,713	25
36	20,1077	40,215	60,323	80,431	100,538	120,646	140,754	160,862	180,970	24
37	20,1362	40,272	60,408	80,545	100,681	120,817	140,953	161,090	181,226	23
38	20,1647	40,329	60,494	80,659	100,823	120,988	141,153	161,318	181,482	22
39	20,1932	40,386	60,579	80,773	100,966	121,159	141,352	161,546	181,739	21
40	20,2217	40,443	60,665	80,887	101,108	121,330	141,552	161,774	181,995	20
41	20,2502	40,500	60,750	81,000	101,251	121,501	141,751	162,001	182,252	19
42	20,2787	40,557	60,836	81,114	101,393	121,672	141,951	162,229	182,508	18
43	20,3072	40,614	60,921	81,228	101,536	121,843	142,150	162,457	182,764	17
44	20,3356	40,671	61,007	81,342	101,678	122,014	142,349	162,685	183,021	16
45	20,3641	40,728	61,092	81,456	101,820	122,185	142,549	162,913	183,277	15
46	20,3926	40,785	61,177	81,570	101,963	122,355	142,748	163,141	183,533	14
47	20,4211	40,842	61,263	81,684	102,105	122,526	142,947	163,369	183,790	13
48	20,4496	40,899	61,348	81,798	102,248	122,697	143,147	163,596	184,046	12
49	20,4780	40,956	61,434	81,912	102,390	122,868	143,346	163,824	184,302	И
50	20,5065	41,013	61,519	82,026	102,532	123,039	143,545	164,052	184,558	10
51	20,5350	41,070	61,605	82,140	102,675	123,210	143,745	164,280	184,815	9
52	20,5634	41,126	61,690	82,253	102,817	123,380	143,944	164,507	185,071	8
53	20,5919	41,183	61,775	82,367	102,959	123,551	144,143	164,735	185,327	7
54	20,6204	41,240	61,861	82,481	103,102	123,722	144,342	164,963	185,583	6
55	20,6488	41,297	61,946	82,595	103,244	123,893	144,542	165,191	185,839	5
56	20,6773	41,354	62,032	82,709	103,386	124,064	144,741	165,418	186,096	4
57	20,7057	41,411	62,117	82,823	103,529	124,234	144,940	165,646	186,352	3
58	20,7342	41,468	62,202	82,937	103,671	124,405	145,139	165,874	186,608	2
59	20,7627	41,525	62,288	83,050	103,813	124,576	145,338	166,101	186,864	1
60	20,7911	41,582	62,373	83,164	103,955	124,747	145,538	166,329	187,120	0
	100	200	300	400	500	600	700	800	900	*f*
d	28	57	85	114	142	171	199	228	256	***d***

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мм	00	10	20	30	40	50	60	70	80	90
100	20	22	24	26	29	31	33	35	37	39
200	41	43	45	47	49	51	53	55	57	59
300	61	63	65	67	69	71	73	75	77	79
400	81	83	86	88	90	92	94	96	98	100
500	102	104	106	108	110	112	114	116	118	120
600	122	124	126	128	130	132	134	136	138	141
700	143	145	147	149	151	153	155	157	159	161
800	163	165	167	169	171	173	175	177	179	181
900	183	185	187	189	191	193	195	198	200	202

"d	28	57	85	114	142	.171	199	228	256
6	3	6	9	11	14	17	20	23	26
7	3	7	10	13	17	20	23	27	30
8	4	8	11	15	19	23	27	30	34
9	4	9	13	17	21	26	30	34	38
10	5	9	14	19	24	28	33	38	43
20	9	19	28	38	47	57	66	76	85
30	14	28	43	57	71	85	100	114	128
40	19	38	57	76	95	114	133	152	171
50	24	47	71	95	119	142	166	190	214

•	. 100	200	300	400	500	600	700	800	900	•
0	97,8147	195,629	293,444	391,259	489,073	586,88$	684,703	782,518	880,332	60
1	97,8087	195,617	293,426	391,234	489,Ш	586,852	684,661	782,469	880,278	59
2	97,8026	195,605	293,408	391,210	489,013	586,815	684,618	782,421	880,223	58
3	97,79e5	195,593	293,389	391,186	488,982	586,779	684,576	782,372	880,169	57
4	97,7905	195,581	293,371	391,162	488,952	586,743	684,533	782,324	880,114	56
5	97,7844	195,568	293,353	391,137	488И22,	586,706	684,491	782,275	880,059	55
6	97,7783	195,556	293,335	391,113	48SÍ891	586,670	684,448	782,226	880,005	54
7	97,7722	195,544	293,316	391,088	48&861	586,633	684,405	782,177	879,950	53
8	97,7661	195,532	293,298	391,064	488,830	586,596	684,362	782,128	879,895	52
9	97,7600	195,520	293,280	391,040	488,800	586,560	684,320	782,080	879,840	51
10	97,7538	195,507	293,261	391,015	488,769	586,523	684,277	782,031	879,784	50
11	97,7477	195,495	293,243	390,991	488,738	586,486	£84,234	7.81,981	879,729	49
12	97,7415	195,483	•293,224	390,966	488,708	586,449	684,191	781,932	879,674	48
13	97,7354	195,470	293,206	390,941	488,677	586,412	684,148	781,883	879,619	47
14	97,7292	195,458	293,187	390,917	488,646	586,375	684,105	781,834	879,563	46
15	97,7231	195,446	293,169	390,892	488,615	586,338	684,061	781,784	879,508	45
16	97,7169	195,433	293,150	390,867	488,584	586,301	684,018	781,735	879,452	44
17	97,7107	195,421	293,132	390,843	488 553	586,264	683,975	781,686	879,396	43
18	97,7045	195,409	293,113	390,818	488,522	586,227	683,931	781,636	879,341	42
19	97,6983	195,396	293,095	390,793	488,491	586,190	683,888	781,586	879,285	41
20	97,6921	195,384	293,076	390,768	488,460	586,152	683,845	781,537	879,229	40
21	97,6859	195,371	293,057	390,743	488,429,	586,115	683,801	781,487	879,173	39
22	97,6797	195,359	293,039	390,718	488,398	586,078	683,758	781,437	879,117	38
23	97,6734	195,347	293,020	390,693	488,367	586,040	683,714	781,387	879,061	37
24	97,6672	195,334	293,001	390,669	488,336	586,003	683,670	781,337	879,005	36
25	97,6609	195,322	292,983	390,644	488,304	585,965	683,626	781,287	878,948	35
26	97,6547	195,309	292,964	390,618	488,273	585,928	683,583	781,237	878,892	34
27	97,6484	195,297	292,945	390,593	488,242	585,890	683,539	781,187	878,836	33
28	97,6421	195,284	292,926	390,568	488,210	585,853	683,495	781,137	878,779	32
29	97,6359	195,271	292,907	390,543	488,179	585,815	683,451	781,087	878,723	31
30	97,6296	*05,259	292,888	390,518	488,148	585,777	683,407	781,036	878,666	30
'	100	200	300	400	500	600	700	800	900	■
d	fi	12	19	25	31	37	43	49,	56	*d*

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ш	00	10	?0	30	40	50	60	70	80	90	*'Id*	6	12	19	25	31	37	43	49	56
100	98	107	117	127	137	147	156	166	176	186	6	1	1	2	2	3	4	4	5	6
?00	195	205	215	225	235	244	254	264	274	283	7	1	1	2	3	4	4	b	6	6
300	293	зга	313	322	332	342	352	362	371	381	8	1	2	2	3	4	b	6	*!*	/
400	391	401	410	420	430	440	450	459	469	479	9	1	■*i*	3	4	b	6	6	*1*	8
500	489	498	508	518	528	537	547	557	567	577	10	1	2	3	4	b	6	7	8	9
600	586	59«	606	616	625	635	645	655	665	674	20	2	4	6	8	10	12	14	IB	19
700	684	694	704	713	723	733	743	752	762	772	30	3	6	9	12	la	19	22	2b	28
800	78?,	79?	801	811	821	831	840	850	860	870	40	4	8	12	16	21	2b	29		3/
900	880	889	899	909	919	928	938	948	958	967	50	5	to	15	21	26	31	36	Ч1	4b

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-	100	200	300	400	500	600	700	800	900	'
0	20,7911	41,582	62,373	83,164	103,955	124,747	145,538	166,329	187,120	60
1	20,8196	41,639	62,458	83,278	104,098	124,917	145,737	166,556	187,376	59
2	20,8480	41,696	62,544	83,392	104,240	125,088	145,936	166,784	187,632	58
3	20,8765	41,753	62,629	83,506	104,382	125,259	146,135	167,012	187,888	57
4	20,9049	41,809	62,714	83,619	104,524	125,429	146,334	167,239	188,144	56
5	20,9334	41,866	62,800	83,733	104,667	125,600	146,533	167,467	188,40Q	55
6	20,9618	41,923	62,g85	83,847	104,809	125,771	146,732	167,694	188,656	54
7	20,9902	41,980	62,970	83,961	104,951	125,941	146,932	167,922	188,912	53
8	21,0187	42,037	63,056	84,074	105,093	126,112	147,131	168,149	189,168	52
9	21,0471	42,094	63,141	84,188	105,235	126,283	147,330	168,377	189,424	51
10	21,0756	42,151	63,226	84,302	105,378	126,453	147,529	168,604	189,680	50
11	21,1040	42,208	63,312	84,416	105,520	126,624	147,728	168,832	189,936	49
12	21,1324	42,264	63,397	84,529	105,662	126,794	147,927	169,059	190,192	48
13	21,1609	42,321	63,482	84,643	105,804	126,965	148,126	169,287	190,448	47
14	21,1893	42,378	63,568	84,757	105,946	127,136	148,325	169,514	190,704	46
15	21,2177	42,435	63,653	84,871	106,088	127,306	148,524	169,742	190,959	45
16	21,2461	42,492	63,738	84,984	106,230	127,477	148,723	169,969	191,215	44
17	21,2746	42,549	63,823	85,098	106,373	127,647	148 ,£22	170,196	191,471	43
18	21,3030	42,606	63,909	85,212	106,515	127,818	149,121	170,424	191,727	42
19	21,3314	42,662	63,994	85,325	106,657	127,988	149,320	170,651	191,983	41
20	21,3598	42,719	64,079	85,439	106,799	128,159	149,519	170,879	192,238	40
21	21,3882	42,776	64,164	85,553	106,941	128,329	149,718	171,106	192 494	39
22	21,4167	42,833	64,250	85,666	107,083	128,500	149,916	171,333	192,750	38
23	21,4451	42,890	64,335	85,780	107,225	128,670	150,115	171,560	193,006	37
24	21,4735	42,947 ■	64,420	85,894	107,367	128,841	150,314	171,788	193,261	36
25	21,5019	43,003	64,505	86,007	107,509	129,011	150,513	172,015	193,517	35
26	21,5303	43,060	64,591	86,121	107,651	129,182	150,712	172,242	193,773	34
27	21,5587	43,117	64,676	86,235	107,793	129,352	150,911	172,470	194,028	33
28	21,5871	43,174	64,761	86,348	107,935	129,522	151,110	172,697	194,284	32
29	21,6155	43,231	64,846	86,462	108,077	129,693	151,308	172,924	194,540	31
30	21,6439	43,287	64,931	86,575	108,219	129,863	151,507	173,151	194,795	30

	100	200	300	400	500	600	700	800	900	-
d	28	57	85	114	142	171	199	227	256	*d*

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un	00	10	20	30	40	50	60	70	80	90	*4d*	28	57	85	114	142	171	199	227	256
100	21	23	25	28	30	32	34	36	38	40	6	3	6	9	11	14	17	20	23	26
200	42	45	47	49	51	53	55	57	59	62	7	3	7	10	13	17	20	23	27	30
300	64	66	68	70	72	74	76	79	81	83	8	4	8	11	15	19	23	27	30	34
400	85	87	89	91	93	95	98	100	102	104	9	4	9	13	17	21	26	30	34	38
500	106	108	110	112	115	117	119	121	123	125	10	5	9	14	19	24	28	33	38	43
600	127	129	132	134	136	138	140	1*2	144	146	20	9	19	28	38	47	57	66	76	85
700	149	151	153	155	157	159	161	163	165	168	30	14	28	43	57	71	85	99	114	128
800	170	172	174	176	178	180	1R2	185	187	189	40	19	38	57	.76	95	114	133	152	170
900	191	193	195	197	199	202	204	206	208	210	50	'ÍA	47	71	95	118	142	166	189	213

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t	100	200	300	400	500	600	700	800	900	/
30	97,6296	195,259	292,888	390,518	488,148	585,777	683,407	781,036	878,666	30
31	97,6233	195,246	292,870	390,493	488,116	585,739	683,363	780,986	878,609	29
32	97,6170	195,234	292,851	390,468	488,085	585,702	683,319	780,936	878,553	28
33	97,6106	195,221	292,832	390,442	488,053	585,664	683,274	780,885	878,496	27
34	97,6043	195,208	292,813	390,417	488,021	585,626	683,230	780,834	878,439	26
35	97,5980	195,196	292,794	390,392	487,990	585,588	683,186	780,784	878,382	25
36	97,5916	195,183	292,775	390,366	487,958	585,550	683,141	780,733	878,325	24
37	97,5853	195,170	292,756	390,341	487,926	585,512	683,097	780,682	878,268	23
38	97,5789	195,158	292,737	390,315	487,894	585,473	683,052	780,631	878,210	22
39	97,5726	195,145	292,717	390,290	487,863	585,435	683,008	780,580	878,153	21
40	97,5662	195,132	292,698	390,265	487,831	585,397	682,963	780,529	878,096	20
41	97,5598	195,119	292,679	390,239	487,799	585,359	682,919	780,478	878,038	19
42	97,5534	195,107	292,660	390,213	487,767	585,320	682,874	780,427	877,981	18
. 43	97,5470	195,094	292,641	390,188	487,735	585,282	682,829	780,376	877,923	17
44	97,5406	195,081	292,622	390,162	487,703	585,243	682,784	780,325	877,865	16
45	97,5342	195,068	292,602	390,137	487,671	585,205	682,739	780,273	877,808	15
46	97,5278	195,055	292,583	390,111	487,639	585,166	682,694	780,222	877,750	14
47	97,5213	195,042	292,564	390,085	487,606	585,128	682,649	780,171	877,692	13
48	97,5149	195,029	292,544	390,059	487,574	585,089	682,604	780,119	877,634	12
49	97,5084	195,017	292,525	390,034	487,542	585,051	682,559	780,067	877,576	11
50	97,5020	195,004	292,506	390,008	487,510	585,012	682,514	780,016	877,518	10
51	97,4955	194,991	292,486	389,982	487,477	584,973	682,469	779,964	877,460	9
52	97,4891	194,978	292,467	389,956	487,445	584,934	682,423	779,912	877,401	8
53	97,4826	194,965	292,447	389,930	487,413	584,895	682,378	779,860	877,343	7
54	97,4761	194,952	292,428	389,904	487,380	584,856	682,332	779,809	877,285	6
55	97,4696	194,939	292,408	389,878	487,348	584,817	682,287	779,757	877,226	5
56	97,4631	194,926	202,389	389,852	487,315	584,778	682,241	779,705	877,168	4
57	97,4566	194,913	292,369	389,826	487,283	584,739	682,196	779,652	877,109	3
58	97,4500	194,900	292,350	389,800	487,250	584,700	682,150	779,600	877,050	2
59	97,4435	194,887	292,330	389,774	487,217	584,661	682,104	779,548	876,992	1
60	97,4370	194,874	292,311	389,748	487,185	584,622	682,059	779,496	876,933	0
ϕ	100	200	300	400	500	600	700	800	900	'
á	6	13	19	26	32	39	45	51	58	*d*

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мм	00	10	20	30	40	50	60	70	80	-90	'/d	6	13	19	26	32	39	45	51	58
100	98	107	117	127	137	146	156	166	176	185	6	1	1	2	3	3	4	4	5	6
200	195	205	215	224	234	244	254	263	273	283	7	1	1	2	3	4	4	5	6	7
300	293	302	312	322	332	341	351	361	371	380	8	1	2	3	3	4	5	6	7	8
400	390	400	410	419	429	439	449	458	468	478	9	1	2	3	4	5	6	7	8	9
500	488	497	507	517	527	536	546	556	566	575	10	1	2	3	4	5	6	7	9	10
600	585	595	605	614	624	634	644	653	663	673	20	2	4	6	9	11	13	15	17	19
700	683	692	702	712	722	732	741	751	761	771	30	3	6	10	13	16	19	22	26	29
800	780	.790	800	810	819	829	839	849	858	868	40	4	9	13	17	21	26	30	34	39
900	878	888	897	907	917	927	936	946	956	966	50	5	11	16	21	27	32	37	43	48

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'	100	200	300	Г	500	600	700	800	900	0
30	21,6439	43,287	64,931	86,575	108,219	129,863	151,507	173,151	194,795	30
31	21,6723	43,344	65,017	86,689	108,361	130,034	151,706	173,378	195,051	29
32	21,7007	43,401	65,102	86,803	108,503	130,204	151,905	173,606	195,306	28
33	21,7291	43,458	65,187	86,916	108,645	130,374	152,104	173,833	195,562	27
34	21,7575	43,515	65,272	87,030	108,787	130,545	152,302	174,060	195,817	26
35	21,7859	43,571	65,357	87,143	108,929	130,715	152,501	174,287	196,073	25
36	21,8143	43,628	65,442	87,257	109,071	130,885	152,700	174,514	196,328	24
37	21,8427	43,685	65,528	87,370	109,213	131,056	152,898	174,741	196,584	23
38	21,8710	43,742	65,613	87,484	109,355	131,226	153,097	174,908	196,839	22
39	21,8994	43,798	65,698	87,597	109,497	131,396	153,296	175,195	197,095	21
40	21,9278	43,855	65,783	87,711	109,639	131,567	153,495	175,422	197,350	20
41	21,9562	43,912	65,868	87,824	109,781	131,737	153,693	175,649	197,606	19
42	21,9846	43,969	65,953	87,938	109,923	131,907	153,892	175,876	197,861	18
43	22,0129	44,025	66,038	88,051	110,064	132,077	154,090	176,103	198,116	17
44	22,0413	44,082	66,124	88,165	110,206	132,248	154,289	176,330	198,372	16
45	22,0697	44,139	66,209	88,278	110,348	132,418	154,488	176,557	198,627	15
46	22,0981	44,196	66,294	88,392	110,490	132,588	154,686	176,784	198,883	14
47	22,1264	44,252	66,379	88,505	110,632	132,758	154,885	177,011	199,138	13
48	22,1548	44,309	66,464	88,619	110,774	132,929	155,083	177,238	199,393	12
49	22,1832	44,366	66,549	88,732	110,916	133,099	155,282	177,465	199,648	11
50	22,2115	44,423	66,634	88,846	111,057	133,269	155,481	177,692	199,904	10
51	22,2399	44,479	66,719	88,959	111,199	133,439	155,679	177,919	200,159	9
52	22,2682	44,536	66,804	89,073	111,341	133,609	155,878	178,146	200,414	S
53	22,2966	44,593	66,889	89,186	111,483	133,779	156,076	178,373	200,669	7
54	22,3250	44,650	66,975	89,300	111,625	133,950	156,275	178,600	200,925	6
55	22,3533	44,706	67,060	89,413	111,766	134,120	156,473	178,826	201,180	5
56	22,3817	44,763	67,145	89,526	111,908	134,290	156,672	179,053	201,435	4
57	22,4100	44,820	67,230	89,640	112,050	134,460	156,870	179,280	201,690	3
58	22,4384	44,876	67,315	89,753	112,192	134,630	157,068	179,507	201,945	2
59	22,4667	44,933	67,400	89,867	112,333	134,800	157,267	179,734	202,200	1
60	22,4951	44,990	67,485	89,980	112,475	134,970	157,465	179,960	202,455	0

°	100	200	300	400	500	600	700	800	900	'
d	28	57	85	114	142	170	199	227	255	d

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мы	00	10	20	30	40	50	60	70	80	90	4d	28	57	85	114	142	170	199	227	255
100	22	24	26	29	31	33	35	38	40	42	6	3	6	9	11	14	17	20	23	26
200	44	46	49	51	53	55	57	60	62	64	7	3	7	10	13	17	20	23	26	30
300	66	68	71	73	75	77	79	82	84	86	8	4	8	11	15	19	23	26	30	34
400	88	90	93	95	97	99	102	104	106	108	9	4	9	13	17	21	26	30	34	38
500	110	113	115	117	119	121	124	126	128	130	10	5	9	14	19	24	28	33	38	43
600	132	135	137	139	141	143	146	148	150	152	20	9	19	28	38	47	57	66	76	85
700	154	157	159	161	163	166	168	170	172	174	30	14	28	43	57	71	85	99	114	128
800	177	179	181	183	185	188	190	192	194	196	40	19	38	57	76	95	114	132	151	170
900	199	201	203	205	207	210	212	214	216	218	50	24	47	71	95	118	142	166	189	213

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■	100	200	300	400	500	600	700	800	900	■
0	97,4370	194,874	292,311	389,748	487,185	584,622	682,059	779,496	876,933	60
1	97,4304	194,861	292,291	389,721	487,152	584,582	682,013	779,443	878,874	59
2	97,4239	194,847	292,271	389,695	487,119	584,543	681,967	779,391	876,815	58
3	97,4173	194,834	292,252	389,669	487,086	584,504	681,921	779,338	876,756	57
4	97,4107	194,821	292,232	389,643	487,053	584,464	681,875	779,286	876,696	56
5	97,4041	194,808	292,212	389,616	487,021	584,425	681,829	779,233	878,637	55
в	97,3876	194,795	292,192	389,590	486,988	584,385	681,783	779,180	876,578	54
7	97,3910	194,782	292,173	389,564	486,955	584,346	681,737	779,128	876,519	53
8	97,3844	194,768	292,153	389,537	486,922	584,306	681,690	779,075	876,459	52
0	97,3777	194.755	292,133	389,511	486,888	584,266	681,644	779,022	876,400	51
10	97,3711	194,742	292,113	389,484	486,855	584,227	681,598	778,969	876,340	50
11	97,3645	194,729	292,093	389,458	486,822	584,187	681,551	778,916	876,280	49
12	97,3578	194,715	292,073	389,431	486,789	584,147	681,505	778,863	876,221	48
13	97,3512	194.70JÍ	292,053	389,405	486,756	584,107	681,458	778,810	876,161	47
14	97,3445	194,689	292,033	389,378	486,723	584,067	681,412	778,756	876,101	46
• 15	97,3379	194,675	292,013	389,351	486,689	584,027	681,365	778,703	876,041	45
10	97,3312	194,662	291,993	389,325	486,658	583,987	681,318	778,650	875,981	44
17	97,3245	194,649	291,973	389,298	486,622	583,947	681,272	778,598	875,921	43
18	97,3178	194,635	291,953	389,271	486,589	583,907	881,225	778,543	875,861	42
19	97,3112	194,622	291,933	389,244	486,556	583,887	681,178	778,489	875,800	41
20	97,3044	194,609	291,913	389,218	486,522	583,827	681,131	778,435	875,740	40
21	97,2977	194,595	291,893	389,191	486,488	583,786	681,084	778,382	875,680	39
22	97,2910	194,582	291,873	389,164	486,455	583,746	681,037	778,328	875,619	38
23	97,2843	194,568	291,853	389,137	486,421	583,706	680,990	778,274	875,559	37
24	97,2775	194,555	291.832	389,110	486,388	583,665	680,943	778,220	875,498	36
25	97,2708	194,541	291,812	389,083	486,354	583,625	680,895	778,166	875,437	35
26	97,2640	194,528	291,792	389,056	486,320	583,584	680,848	778,112	875,376	34
27	97,2573	194,514	291,772	389,029	486,286	583,544	680,801	778,058	875,318	33
28	97,2505	194,501	291,751	389,002	486,252	583,503	680,753	778,004	875,255	32
29	97,2437	194,487	'291,731	388,975	486,218	583,462	680,706	777,950	875,194	31
30	97,2370	194,474	291,711	388,948	488,185	583,422	680,659	777,896	875,133	30

	100	200	300	400	500	600	700	800	900	
a	7	13	20	27	33	40	47	53	60	***d***

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мм	00	10	20	30	40	50	60	70	80	90	•/d	7	13	20	27	33	40	47	53	60
100	97	107	117	127	136	146	156	165	175	185	6	1	1	2	3	3	4	5	5	6
200	195	204	214	224	234	243	253	263	273	282	7	1	2	2	3	4	5	5	6	7
300	292	302	311	321	331	341	350	360	370	380	8	1	2	3	4	4	5	6	7	8
400	389	399	409	419	428	438	448	457	467	477	9	1	2	3	4	5	6	7	8	9
500	487	496	506	516	526	535	545	555	565	574	10	1	2	3	4	6	7	8	9	10
600	584	594	603	613	623	633	642	652	662	672	20	2	4	7	9	11	13	16	If	20
700	681	691	701	711	720	730	740	750	759	769	30	3	7	10	13	17	20	23	27	30
800	779	788	798	808	818	827	837	847	857	866	40	4	9	13	18	22	27	31	36	40
«00	876	886	8(1«	905	915	925	934	944	954	964	50	6	11	17	22	28	33	39	44	50

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	100	200	300	400	500	600	700	800	900	
0	22,4951	44,990	67,485	89,980	112,475	134,970	157,465	179,960	202,455	60
1	22,5234	45,046	67,570	90,093	112,617	135,140	157,664	180,187	202,711	59
, 2	22,5517	45,103	67,655	90,207	112,758	135,310	157,862	180,414	202,966	58
3	22,5801	45,160	67,740	90,320	112,900	135,480	158,060	180,641	203,221	57
4	22,6084	45,216	67,825	90,433	113,042	135,650	158,259	180,807	203,476	56
5	22,6367	45,273	67,910	90,547	113,183	135,820	158,457	181,094	203,731	55
6	22,6651	45,330	67,995	90,660	113,325	135,990	158,655	181,321	203,986	54
7	22,6934	45,386	68,080	90,773	113,467	136,160	158,854	181,547	-204,241	53
8	22,7217	45,443	68,165	90,887	113,608	136,330	159,052	181,774	204,496	52
9	22,7501	45,500	68,250	91,000	113,750	136,500	159,250	182,000	204,751	51
10	22,7784	45,556	68,335	91,113	113,892	136,070	159,449	182,227	205,005	50
11	22,8067	45,613	68,420	91,227	114,033	136,840	159,647	182,454	205,260	49
12	22,8350	45,670	68,505	91,34t	114,175	137,010	159,845	182,680	205,515	48
13	22,8634	45,726	68,590	91,453	114,317	137,180	160,043	182,907	205,770	47
14	22,8917	45,783	68,675	91,566	114,458	137,350	160,242	183,133	206,025	46
15	22,9200	45,840	68,760	91,680	114,600	137,520	160,440	183,360	206,280	45
16	22,9483	45,896	68,845	91,793	114,741	137,690	160,638	183,586	206,535	44
17	22,9766	45,953	68,929	91,906	114,883	137,859	160,836	183,813	206,789	43
18	23,0049	46,009	69,014	92,019	115,024	138,029	161,034	184,039	207,044	42
•19	23,0332	46,066	69,099	92,133	■115,166	138,199	161,232	184,266	207,299	41
20,	23,0615	46,123	69,184	92,246	115,307	138,369	161,431	184,492	207,554	40
21	23,0898	46,179	69,269	92,359	115,449	138,539	161,629	184,719	207,809	39
22	23,1181	46,236	69,354	92,472	115,590	138,709	161,827	184,945	208,063	38
23	23,1464	46,292	69,439	92,585	115,732	138,878	162,025	185,171	208,318	37
24	23,1747	46,349	69,524	92,699	115,873	139,048	162,223	185,396	208,573	36
25	23,2030	46,406	69,609	92,812	116,015	139,218	162,421	185,624	208,827	35
26	23,2313	46,462	69,694	92,925	116,156	139,388	162,619	185,851	209,082	34
27	23,2596	46,519	69,779	93,038	116,298	139,558	162,817	186,077	209,337	33
28	23,2879	46,575	69,863	93,151	116,439	139,727	163,015	186,303	209,591	32
29	23,3162	46,632	69,948	93,265	116,581	139,897	163,213	186,529	209.846	31
30	23,3445	46,689	70,033	93,378	116,722	140,067	163,411	186,756	210,100	30

	100	2Ô0	300	400	500	600-	700	800	УОО	
d	28	57	85	113	142	170	198	226	255	*à*

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мы	00	10	20	30	40	50	60	70	80	90
100	23	25	28	30	32	34	37	39	41	44
200	46	48	50	53	55	57	СО	62	64	66
300	69	71	73	76	78	80	83	85	87	89
400	92	94	96	99	101	103	105	108	110	112
500	115	117	119	121	124	126	128	131	133	135
600	138	140	142	144	147	149	151	154	156	158
700	160	163	165	167	170	172	174	176	179	181
800	183	186	188	190	193	195	197	199	202	204
900	206	209	211	213	215	218	220	222	225	227

"Id	28	57	85	ИЗ	142	170	198	226	255
6	3	6	8	11	14	17	20	23	25
7	3	7	10	13	17	20	23	26	30
8	4	8	11	15	19	23	26	30	34
9	4	8	13	17	21	25	30	34	38
10	5	9	14	19	24	28	33	38	42
20	9	19	28	38	47	57	66	76	85
30	14	28	42	57	71	85	99	ИЗ	127
40	19	38	57	76	94	113	132	151	170
50	24	47	71	94	118	142	165	189	212

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#	100	200	300	400	500	600	700	800	900	'
30	97,2370	194,474	291,711	388,948	486,185	583,422	680,659	777,896	875,133	30
31	97,2302	194,460	291,690	388,920	486,151	583,381	680,611	777,841	875,071	29
32	97,2234	194,446	291,670	388,893	486,117	583,340	680,563	777,787	875,010	28
33	97,2165	194,433	291,649	388,866	486,083	583,299	680,516	777,732	874,949	27
34	97,2097	194,419	291,629	388,839	486,048	583,258	680,468	777,678	874,887	26
35	97,2029	194,405	291,608	388,811	486,014	583,217	680,420	777,623	874,826	25
36	97,1961	194,392	291,588	388,784	485,980	583,176	680,372	777,568	874,764	24
37	97,1892	194,378	291,567	388,757	485,946	583,135	680,324	777,514	874,703	23
38	97,1824	194,364	291,547	388,729	485,912	583,094	680,276	777,459	874,641	22
39	97,1755	194,351	291,526	388,702	485,877	583,053	680,228	777,404	874,579	21
40	97,1686	194,337	291,506	388,674	485,843	583,012	680,180	777,349	874,518	20
41	97,1618	194,323	291,485	388,647	485,809	582,970	680,132	777,294	874,456	19
42	97,1549	194,309	291,464	388,619	485,774	582,929	680,084	777,239	874,394	18
43	97,1480	194,296	291,444	388,592	485,740	582,888	680,036	777,184	874,332	17
44	97,1411	194,282	291,423	388,564	485,705	582,846	679,987	777,129	874,270	16
45	97,1342	194,268	291,402	388,536	485.671	582,805	679,939	777,073	874,207	15
46	97,1272	194,254	291,381	388,509	485,636	582,763	679,891	777,018	874,145	14
47	97,1203	194,240	291,361	388,481	485,601	582,722	679,842	776,962	874,083	13
48	97,1134	194,226	291,340	388,453	485,567	582,680	679,794	776,907	874,020	12
49	97,1064	194,213	291,319	388,426	485,532	582,639	679,745	776,851	873,958	11
50	97,0995	194,199	291,298	388,398	485,497	582,597	679,696	776,796	873,895	10
51	97,0925	194,185	291,277	388,370	485,462	582,555	679,648	776,740	873,833	9
52	97,0856	194,171	291,256	388,342	485,428	582,513	679,599	776,684	873,1770	8
53	97,0786	194,157	291,235	388,314	485,393	582,471	679,550	776,629	873,707	7
54	97,0716	194,143	291,215	388,286	485,358	582,429	679,501	776,573	873,644	6
55	97,0646	194,129	291,194	388,258	485,323	582,388	679,452	776,517	873,582	5
56	97,0576	194,115	291,173	388,230	485,288	582,346	679,403	776,461	873,519	4
57	97,0506	194,101	291,152	388,202	485,253	582,303	679,354	776,405	873,455	3
58	97,0436	194,087	291,130	388,174	485,218	582,261	679,305	776,349	873,392	2
59	97,0366	194,073	291,109	388,146	485,183	582,219	679,256	776,292	873,329	1
60	97,0295	194,059	291,088	388,118	485,147	582,177	679,207	776,236	873,266	0
'	Í00	200	300	400	500	600	700	800	900	'
d	7	14	21	28	35	42	48	55	62	*d*

■И 03° —283° &y 76° sin 76°+ 256°—

мм	00	10	20	30	40	50	60	70	80	90	'/*d*	7	14	21	28	35	42	48	55	62
100	97	107	117	126	136	146	155	165	175	185	6	1	1	2	3	3	4	5	6	6
200	194	204	214	223	233	243	253	262	272	282	7	1	2	2	3	4	5	6	6	7
300	291	301	311	321	330	340	350	359	369	379	8	1	2	3	4	5	6	6	7	8
400	389	398	408	418	427	437	447	457	466	476	9	1	2	3	4	5	6	7	8	9
£00	486	495	505	515	525	534	544	554	563	573	10	1	2	3	5	6	7	8	У	ÎU
f.OO	583	593	602	612	622	631	641	651	661	670	20	1	5	7	9	12	14	16	18	21
700	680	690	699	709	719	729	738	748	758	767	30	3	7	10	14	17	21	24	28	31
800	777	787	797	806	816	826	836	845	855	864	40	5	9	14	18	23	28	32	37	41
noo	874	884	894	903	913	923	932	942	952	962	50	6	12	17	23	29	34	40	46	52

/	100	200	300	400	500	600	700	800	900	'
30	23,3445	46,689	70,033	93,378	116,722	140,067	163,411	286,756	210,100	30
31	23,3728	46,745	70,118	93,491	116,864	140,236	163,609	186,982	210,355	29
32	23,4011	46,802	70,203	93,604	117,005	140,406	163,807	187,208	210,609	28
33	23,4293	46,858	70,288	93,717	117,146	140,576	164,005	187,435	210,864	27
34	23,4576	46,915	70,372	93,830	117,288	140,745	164,203	187,661	211,118	26
35	23,4859	46,971	70,457	93,943	117,429	140,915	164,401	187,887	211,373	25
36	23,5142	47,028	70,542	94,056	117,571	141,085	164,599	188,113	211,627	24
37	23,5424	47,084	70,627	94,169	117,712	141,254	164,797	188,339	211,882	23
38	23,5707	47,141	70,712	94,283	117,853	141,424	164,995	188,566	212,136	22
39	23,5990	47,198	70,797	94,396	117,995	141,594	165,193	188,792	212,391	21
40	23,6272	47,254	70,881	94,509	118,136	141,763	165,391	189,018	212,645	20
41	23,6555	47,311	70,966	94,622	118,277	141,933	165,588	189,244	212,899	19
42	23,6838	47,367	71,051	94,735	118,419	142,102	165,786	189,470	213,154	18
43	23,7120	47,424	71,136	94,848	118,560	142,272	165,984	189,696	213,408	17
44	23,7403	47,480	71,221	94,961	118,701	142,442	166,182	189,922	213,662	16
45	23,7685	47,537	71,305	95,074	118,842	142,611	166,380	190,148	213,917	15
46	23,7968	47,593	71,390	95,187	118,984	142,781	166,577	190,374	214,171	14
47	23,8250	47,650	71,475	95,300	119,125	142,950	166,775	190,600	214,425	13
48	23,8533	47,706	71,560	95,413	119,266	143,120	166,973	190,826	214,680	12
49	23,8815	47,763	71,644	95,526	119,407	143,289	167,171	191,052	214,934	11
50	23,9098	47,819	71,729	95,639	119,549	143,459	167,368	191,278	215,188	10
51	23,9380	47,876	71,814	95,752	119,690	143,628	1(17,566	191,504	215,442	9
52	23,9663	47,932	71,898	95,865	119,831	143,797	167,764	191,730	215,696	8
53	23,9945	47,989	71,983	95,978	119,972	143,967	167,961	191,956	215,951	7
54	24,0228	48,045	72,068	96,091	120,114	144,136	168,159	192,182	216,205	6
55	24,0510	48,102	72,153	96,204	120,255	144,306	168,357	192,408	216,459	5
56	24,0792	48,158	72,237	96,317	120,396	144,475	168,554	192,634	216,713	4
57	24,1075	48,215	72,322	96,430	120,537	144,645	168,752	192,860	216,967	3
58	24,1357	48,271	72,407	96,542	120,678	144,8i4	168,950	193,085	217,221	2
59	24,1639	48,327	72,491	96,655	120,819	144,983	169,147	193,311	217,475	1
60	24,1921	48,384	72,576	96,768	120,960	145,153	169,345	193,537	217,729	0
'	100	200	300	400	500	600	700	800	900	'
d	28	56	85	ИЗ	141	170	198	226	254	***d***

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мм	00	10	20	30	40	50	60	70	80	90
100	24	26	29	■31	33	36	38	40	43	45
200	48	50	52	55	57	59	62	64	67	69
300	71	74	76	78	81	83	86	88	90	93
400	95	97	100	102	105	107	109	112	114	116
500	119	121	124	126	128	131	133	135	138	140
600	143	145	147	150	152	154	157	159	162	164
700	166	169	171	174	176	178	181	183	185	188
800	190	193	195	197	200	202	204	207	209	212
—900	214	216	219	221	223	226	228	231	233	235

"Id	28	56	85	113	141	170	198	226	254
6	3	6	8	il	14	17	20	23	25
7	3	7	10	13	16	20	23	26	30
8	4	8	11	15	19	23	26	30	34
9	4	8	13	17	21	25	30	34	38
10	5	9	14	19	24	28	33	38	42
20	9	19	28	38	47	57	66	75	85
30	14	28	42	57	71	85	99	113	127
40	19	38	57	75	94	113	132	151	170
50	24	47	71	94	118	141	165	188	212

g	100	200	300	400	500	600	700	800	900	g
0	97,0295	194,059	291,088	388,118	485,147	582,177	679,207	776,236	873,266	60
1	97,0225	194,045	291,067	388,090	485,112	582,135	679,157	776,180	873,202	59
2	97,0154	194,031	291,046	388,062	485,077	582,092	679,108	776,123	873,139	58
S	97,0084	194,016	291,025	388,033	485,042	582,050	679,059	776,067	873,075	57
4	97,0013	194,002	291,004	388,005	485,006	582,008	679,009	776,010	873,012	56
S	96,9942	193,988	290,982	387,977	484,971	581.965	678,960	775,954	872,948	55
6	96,9872	193,974	290,961	387,948	484,936	581,923	678,910	775,897	872,884	54
7	96,9801	193,960	290,940	387,920	484,900	581,880	678,860	775,840	872,821	53
8	96,9730	193,946	290,919	387,892	484,865	581,838	678,811	775,784	872,757	52
9	96,9659	193,931	290,897	387,863	484,829	581,795	678,761	775,727	872,693	51
10	96,9587	193,917	290,876	387,835	484,794	581,752	678,711	775,670	872,629	50
11	96,9516	193,903	290,855	387,806	484,758	581,710	678,661	775,613	872,565	49
12	96,9445	193,889	290,833	387,778	484,722	581,667	678,611	775,556	872,500	48
13	96,9374	193,874	290,812	387,749	484,687	581,624	678,561	775,499	872,436	47
14	96,9302	193,860	290,790	387,721	484,651	581,581	678,511	775,442	872,372	46
15	96,9231	193,846	290,769	387,692	484,615	581,538	678,461	775,384	872,307	45
16	96,9159	193,831	290,747	307,663	484,579	581,495	678,411	775,327	872,243	44
17	96,9087	193,817	290,726	387,635	484,543	581,452	678,361	775,270	872,178	43
18	96,9015	193,803	290,704	387,606	484,507	581,409	678,311	775,212	872,114	42
19	96,8943	193,788	290,683	387,577	484,472	581,366	678,260	775,155	872,049	41
20	96,8871	193,774	290,661	387,548	484,436	581,323	678,210	775,097	871,984	40
21	96,8799	193,760	290,640	387,520	484,400	581,279	678,159	775,039	871,919	39
22	96,8727	193,745	290,618	387,491	484,363	581,236	678,109	774,982	871,855	38
23	96,8655	193,731	290,596	387,462	484,327	581,193	678,058	774,924	871,790	37
24	96,8583	193,716	290,575	387,433	484,291	581,149	678,008	774,866	871,724	36
25	96,8510	193,702	290,553	387,404	484,255	581,106	677,957	774,808	871,659	35
26	96,8438	193,687	290,531	387,375	484,219	581,063	677,906	774,750	871,594	34 .
27	96,8365	193,673	290,509	387,346	484,182	581,019	677,856	774,692	871,529	33
28	96,8293	193,658	290,488	387,317	484,146	580,975	677,805	774,634	871,463	32
29	96,8220	193,644	290,466	387,288	484,110	580,932	677,754	774,576	871,398	31
30	96,8147	193,629	290,444	387,259	484,073	580,888	677,703	774,518	871,332	30

■	100	200	300	400	500	600	700	800	900	•
d	7	14	21	29	36	43	50	57	64	d

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III	00	10	20	30	40	50	60	70	80	90	*4à* 7	14	21	29	36	43	50	57	64
100	97	107	116	126	136	145	155	165	174	184	6 1	1	2	3	4	4	5	6	B
200	194	204	213	223	233	242	252	262	271	281	7 1	2	2	3	4	5	6	7	7
300	291	300	310	320	330	339	349	359	368	378	8 1	2	3	4	5	6	7	8	9
400	388	397	407	417	426	236	446	456	465	475	9 1	2	3	4	5	6	7	9	10
500	485	494	504	514	523	533	543	552	562	572	10 1	2	4	5	6	7	8	9	11
600	582	591	601	611	620	630	640	649	659	669	20 2	5	7	10	12	14	17	19	21
700	678	688	698	708	717	727	737	746	756	766	30 4	7	11	14	18	21	25	29	32
800	775	785	795	804	814	824	834	843	853	863	40 5	10	14	19	24	29	33	38	43
900	872	882	892	901	911	921	930	940	950	960	50 6	12	18	24	30	36	42	48	54

<	100	200	300	400	500	600	700	800	900	t
0	24,1921	48,384	72,576	96,768	120,961	145,153	169,345	193,537	217,729	60
1	24,2204	48,440	72,661	96,881	121,102	145,322	169,542	193,763	217,983	59
2	24,2486	48,497	72,746	96,994	121,243	145,491	169,740	193,989	218,237	58
3	24,2768	48,553	72,830	97,107	121,384	145,661	169,938	194,214	218,491	57
4	24,3050	48,610	72,915	97,220	121,525	145,830	170,135	194,440	218,745	56
5	24,3332	48,666	72,999	97,333	121,666	145,999	170,333	194,666	218,999	55
6	24,3615	48,723	73,084	97,446	121,807	146,169	170,530	194,892	219,253	54
7	24,3897	48,779	73,169	97,558	121,948	146,338	170,728	195,117	219,507	53
8	24,4179	48,835	73,253	97,671	122,089	146,507	170,925	195,343	219,761	52
9	24,4461	48,892	73,338	97,784	122,230	146,676	171,122	195,569	220,015	51
10	24,4743	48,948	73,423	97,897	122,371	146,846	171,320	195,794	220,269	50
И	24,5025	49,005	73,507	98,010	122,512	147,015	171,517	196,020	220,522	49
12	24,5307	49,061	73,592	98,123	122,653	147,184	171,715	196,246	220,776	48
13	24,5589	49,117	73,676	98,235	122,794	147,353	171,912	196,471	221,030	47
14	24,5871	49,174	73,761	98,348	122,935	147,522	172,110	196,697	221,284	46
15	24,6153	49,230	73,846	98,461	123,076	147,692	172,307	196,922	221,538	45
16	24,6435	49,287	73,930	98,574	123,217	147,861	172,504	197,148	221,791	44
17	24,6717	49,343	74,015	98,686	123,358	148,030	172,702	197,373	222,045	43
18	24,6999	49,399	74,099	98,799	123,499	148,199	172,899	197,599	222,299	42
19	24,7280	49,456	74,184	98,912	123,640	148,368	173,096	197,824	222,552	41
20	24,7562	49,512	74,268	99,025	123,781	148,537	173,293	198,050	222,806	40
21	24,7844	49,569	74,353	99,137	123,922	148,706	173,491	198,275	223,060	39
22	24,8126	49,625	74,438	99,250	124,063	148,875	173,688	198,501	223,313	38
23	24,8408	49,681	74,522	99,363	124,204	149,044	173,885	198,726	223,567	37
24	24,8689	49,738	74,60T	99,476	124,345	149,214	174,083	198,952	223,820	36
25	24,8971	49,794	74,691	99,588	124,485	149,383	174,280	199,177	224,074	35
26	24,9253	49,850	74,776	99,701	124,626	149,552	174,477	199,402	224,328	34
27	24,9535	49,907	74,860	99,814	124,767	149,721	174,674	199,628	224,581	33
28	24,9816	49,963	74,945	99,926	124,908	149,890	174,871	199,853	224,835	32
29	25,0098	50,019	75,029	100,039	125,049	150,059	175,068	200,078	225,088	31
30	25,0380	50,076	75,114	100,152	125,190	150,228	175,266	200,304	225,342	30
-	100	200	300	400	500	600	700	800	900	t
d	28	56	85	113	141	169	197	226	253	***d***

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	100	*?ñ*	?,7	30	32	34	37	39	42	44	47
	200	49	5?	54	57	59	62	64	66	69	71
	300	74	76	79	81	84	86	89	91	94	96
	400	98	101	m	1(16	108	111	113	116	118	121
	500	га	*m*	m	130	133	135	138	140	143	145
	600	148	150	153	155	158	160	162	165	167	170
	700	17?,	175	177	180	182	185	187	190	192	194
	800	197	199	?0?,	?Л4	207	209	ai я	214	217	219
	900	222	224	226	229	231	234	236	239	241	244

’/*d*	28	.56	85	113	141	169	197	226	253
в	3	6	8	11	14	17	20	23	25
7	3	7	10	13	16	20	23	26	30
8	4	8	11	15	19	23	26	30	34
9	4	8	13	17	21	2b	30	34	38
10	5	9	14	19	24	28	33	38	42
20	9	19	28	38	47	56	66	75	8b
30	14	28	42	56	70	8b	99	113	127
40	19	38	56	75	94	113	132	150	169
50	24	47	70	94	118	141	164	188	*LU*

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/	100	200	300	400	500	600	700	800	900	t
30	96,8147	193,629	290,444	387,259	484,073	580,888	677,703	774,518	871,332	30
31	96,8074	193,615	290,422	387,230	484,037	580,844	677,652	774,459	871,267	29
' 32	96,8001	193,600	290,400	387,200	484,001	580,801	677,601	774,401	871,201	28
33	96,7928	193,585	290,378	387,171	483,964	580,757	677,550	774,343	871,135	27
34	96,7855	193,571	290,356	387,142	483,927	580,713	677,499	774,284	871,070	26
35	96,7782	193,556	290,334	387,113	483,891	580,669	677,447	774,226	871,004	25
36	96,7709	193;541	290,312	387,083	483,854	580,625	677,396	774,167	870,938	24
37	96,7635	193,527	290,290	387,054	483,818	580,581	677,345	774,108	870,872	23
38	96,7562	193,512	290,268	387,025	483,781	580,537	677,293	774,049	870,806	22
39	96,7488	193,497	290,246	386,995	483,744	580,493	677,242	773,991	870,740	21
40	96,7415	193,483	290,224	386,966	483,707	580,449	677,190	773,932	870,673	20
41	96,7341	193,468	290,202	386,936	483,670	580,405	677,139	773,873	870,607	19
42	96,7267	193,453	290,180	386,907	483,633	580,360	677,087	773,814	870,541	18
43	96,7193	193,438	290,158	386,877	483,597	580,316	677,035	773,755	870,474	17
44	96,7120	193,424	290,136	386,848	484,560	580,272	676,984	773,696	870,408	16
45	96,7046	193,409	290,113	386,818	483,523	580,227	676,932	773,636	870,341	15
46	96,6971	193,394	290,091	386,788	483,486	580,183	676,880	773,577	870,274	14
47	96,6897	193,379	290,069	386,759	483,448	580,138	676,828	773,518	870,207	13
48	96,6823	193,364	290,047	386,729	483,411	580,094	676,776	773,458	870,141	12
49	96,6749	193,349	290,024	386,699	483,374	580,049	676,724	773,399	870,074	И
50	96,6674	193,335	290,002	386,669	483,337	580,004	676,672	773,339	870,007	10
51	96,6600	193,320	289,980	386,640	483,300	579,960	676,620	773,280	869,940	9
52	96,6525	193,305	289,957	386,610	483,262	579,915	676,567	773,220	869,873	8
53	96,6450	193,290	289,935	386,580	483,225	579,870	676,515	773,160	869,805	7
54	96,6376	193,275	289,912	386,550	483,188	579,825	676,463	773,100	869,738	6
55	96,6301	193,260	289,890	386.520	483,150	579,780	676,410	773,041	869,671	5
56	96,6226	193,245	289,867	386,490	483,113	579,735	676,358	772,981	869,603	4
57	96,6151	193,230	289,845	386,460	483,075	579,690	676,306	772,921	869,536	3
58	96,6076	193,215	289,822	386,430	483,038	579,645	676,253	772,861	869,468	2
59	96,6001	193,200	289,800	386,400	483,000	579,600	676,200	772,800	869,401	1
60	96,5925	193,185	289,777	386,370	482,963	579,555	676,148	772,740	869,333	0
!	100	200	300	400	500	600	700	800	900	-
d	7	15	22	30	37	44	52	59	67	d

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ДО	00	10	20	30	40	50	60	70	80	90
100	97	106	116	126	135	145	155	164	174	184
200	193	203	213	222	232	242	251	261	271	280
300	290	300	309	319	328	338	348	358	367	377
400	387	396	406	416	426	435	445	455	464	474
500	484	493	503	513	522	532	542	551	561	571
600	580	590	600	609	619	629	638	648	658	667
700	677	687	696	706	716	725	735	745	754	764
800	774	783	793	803	812	822	832	841	851	861
900	870	880	890	899	909	919	928	938	948	957

'/d	7	15	22	30	37	44	52	59	67
6	1	1	2	3	4	4	5	6	7
7	1	2	3	3	4	5	6	7	8
8	1	2	3	4	5	6	7	8	9
9	1	2	3	4	6	7	8	9	10
10	1	2	4	5	6	7	9	10	11
20	2	5	7	10	12	15	17	20	22
30	4	7	11	15	19	22	26	30	33
40	5	10	15	20	25	30	35	40	44
50	6	12	19	25	31	37	43	49	56

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4	100	200	300	400	500	600	700	800	900	'
30	25,0380	50,076	75,114	100,152	125,Ьо	150,228	175,266	200,304	225,342	30
31	25,0661	50,132	75,198	100,264	125,330	150,397	175,463	200,529	225,595	29
32	25,0943	50,188	75,283	100,377	125,471	150,566	175,660	200,754	225,848	28
33	25,1224	50,245	75,367	100,490	125,612	150,734	175,857	200,979	226,102	27
34	25,1506	50,301	75,451	100,602	125,753	150,903	176,054	201,205	226,355	26
35	25,1787	50,357	75,536	100,715	125,894	151,072	176,251	201,430	226,609	25
36	25,2069	50,413	75,620	100,827	126,034	151,241	176,448	201,655	226,862	24
37	25,2350	50,470	75,705	100,940	126,175	151,410	176,645	201,880	227,115	23
38	25,2632	50,526	75,789	101,053	126,316	151,579	176,842	202,105	227,369	22
39	25,2913	50,582	75,874	101,165	126,450	151,748	177,039	202,331	227,622	21
40	25,3195	50,639	75,958	101,278	126,597	151,917	177,236,	202,556	227,875	2П
41	25,3476	50,695	76,043	101,390	126,738	152,086	177,433	202,781	228,129	19
42	25,3758	50,751	76,127	101,503	126,879	152,254	177,630	203,006	228,382	18
43	25,4039	50.807	76,211	101,615	127,019	152,423	177,827	203,231	228,635	17
44	25,4320	50,864	76,296	101,728	127,160	152,592	178,024	203,456	228,888	16
45	25,4602	50,920	76,380	101,840	127,301	152,761	178,221	203,681	229,141	15
46	25,4883	50,976	76,465	101,953	127,441	152,930	178,418	203,906	229,395	14
47	25,5164	51,033	76,549	102,065	127,582	153,098	178,615	204,131	229,648	13
48	25,5445	51,089	76,633	102,178	127,722	153,267	178,812	204,356	229,901	12
49	25,5727	51,145	76,718	102,290	127,863	153,436	179,009	204,581	230,154	11
50	25,6008	51,201	76,802	102,403	128,004	153,605	179,205	204,806	230,407	10
51	25,6289	51,257	76,886	102,515	128,144	153,773	179,402	205,031	23C:,660	9
52	25,6570	51,314	76,971	102,628	128,285	153,942	179,599	205,256	230,913	8
53	25,6851	51,370	77,055	102,740	128,425	154,111	179,796	205,481	231,166	7
54	25,7132	51,426	77,139	102,853	128,566	154,279	179,993	205,706	231,419	6
55	25,7414	51,482	77,224	102,965	128,707	154,448	180,189	205,931	231,672	5
56	25,7695	51,539	77,308	103,078	128,847	154,617	180,386	206,156	231,925	5
57	25,7976	51,595	77,392	103,190	128,988	154,785	180,583	206,380	232,178	3
58	25,8257	51,651	77,477	103,302	129,128	154,954	180,780	206,605	232,431	2
59	25,8538	51,707	77,561	103,415	129,269	155,122	180,976	206,830	232,684	1
60	25,8819	51,763	77,645	103,527	129,409	155,291	181,173	207,055	232,937	0

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UM	00	10	20	30	40	50	60	70	80	90
100	25	28	31	33	36	38	41	43	46	48
200	51	53	56	59	61	64	66	69	71	74
800	76	79	81	84	87	89	92	94	97	99
400	102	104	107	109	112	115	117	120	122	125
500	127	130	132	135	137	140	143	145	148	150
600	153	155	158	160	163	165	168	171	173	176
700	178	181	183	186	188	191	193	196	199	201
800	204	206	209	211	214	216	219	222	224	227
900	229	232	234 "237		239	242	244	247	250	252

"Id	28	56	84	113	141	169	197	225	253
6	3	6	8	11	14	17	20	23	25
7	3	7	10	13	16	20	23	?,fi	30
8	4	8	11	15	19	23	26	30	34
9	4	8	13	17	21	25	30	34	38
10	5	9	14	19	23	28	33	38	42
20	9	19	28	38	47	56	66	75	84
30	14	28	42	56	70	84	98	113	121
40	19	38	56	75	94	113	131	150	167
50	23	47	70	94	117	141	164	188	211

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'	100	200	300	400	500	600	700	800	900	-
0	96,5925	193,185	289,777	386,370	482,963	579,555	676,148	772,740	869,333	60
1	96,5850	193,170	289,755	386,340	482,925	579,510	676,095	772,680	869,265	59
2	96,5775	193,155	289,732	386,310	482,887	579,465	676,042	772,620	869,197	58
3	96,5699	193,140	289,709	386,279	482,849	579,419	675,989	772,559	869,129	57
4	96,5624	193,124	289,687	386,249	482,812	579,374	675,936	772,499	869,061	56
5	96,5548	193,109	289,664	386,219	482,774	579,329	675,883	772,438	868,993	55
С	96,5472	193,094	289,641	386,189	482,736	579,283	675,830	772,378	868,925	54
7	96,5396	193,079	289,619	386,158	482,698	579,238	675,777	772,317	868,857	53
8	96,5321	193,064	289,596	386,128	482,660	579,192	675,724	772,256	868,788	52
9	96,5245	193,049	289,573	386,098	482,622	579,147	675,671	772,196	868,720	51
10	96,5168	193,033	289,550	386,067	482,584	579,101	675,618	772,135	868,652	50
И	96,5092	193,018	289,527	386,037	482,546	579,055	675,565	772,074	868,583	49
12	96,5016	193,003	289,505	386,006	482,508	579,009	675,511	772,013	868,514	48
13	96,4940	192,988	289,482	385,976	482,470	578,964	675,458	771,952	868,446	47
14	96,4863	192,972	289,459	385,945	482,431	578,918	675,404	771,891	868,377	46
15	96,4787	192,957	289,436	385,915	482,393	578,872	675,351	771,829	868,308	45
16	96,4710	192,942	289,413	385,884	482,355	578,826	675,297	771,768	868,239	44
17	96,4634	192,926	289,390	385,853	482,317	578,780	675,243	771,707	868,170	43
18	96,4557	192,911	289,367	385,823	482,278	578,734	675,190	771,646	868,101	42
19	96,4480	192,896	289,344	385,792	482,240	578,688	675,136	771,584	868,032	41
20	96,4403	192,880	289,321	385,761	482,201	578,642	675,082	771,523	867,963	40
21	96,4326	192,865	289,298	385,730	482,163	578,596	675,028	771,461	867,894	39
22	96,4249	192,850	289,275	385,699	482,124	578,549	674,974	771,399	867,824	38
23	96,4172	192,834	289,251	385,669	482,086	578,503	674,920	771,338	867,755	37
24	96,4095	192,819	289,228	385,638	482,047	578,457	674,866	771,276	867,685	36
25	96,4018	192,803	289,205	385,607	482,009	578,410	674,812	771,214	867,616	35
26	96,3940	192,788	289,182	385,576	481,970	578,364	674,758	771,152	867,546	34
27	96,3863	192,772	289,159	385,545	481,931	578,318	674,704	771,090	867,477	33
28	96,3785	192,757	289,135	385,514	481,892	578,271	674,650	771,028	867,407	32
29	96,3708	192,741	289,112	385,483	481,854	578,224	674,595	770,966	867,337	31
30	96,3630	192,726	289,089	385,452	481,815	578,178	674,541	770,904	867,267	30
'	100	200	300	400	500	600	700	900	900	'
a	8	15	22	30	38	46	54	61	69	***d***

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нм	00	10	20	30	40	50	60	70	80	90	•/d	8	15	22	30	38	46	54	61	69
100	96	106	116	125	135	145	154	164	174	183	6	1	2	2	3	4	5	5	6	7
200	193	203	212	222	232	241	251	260	270	280	7	1	2	3	4	4	5	6	7	8
300	289	299	309	318	328	338	347	357	367	376	8	1	2	3	4	5	6	7	8	Я
400	386	396	405	415	425	434	444	453	463	473	9	1	2	3	5	6	7	8	9	10
500	482	492	502	511	521	531	540	550	560	569	10	1	3	4	5	6	8	9	10	11
600	579	589	598	608	617	627	637	646	656	666	20	3	5	8	10	13	15	18	20	23
700	675	685	695	704	714	724	733	743	753	762	30	4	8	11	15	19	23	27	30	34
800	772	781	791	801	810	820	830	839	849	859	40	5	10	15	20	26	31	36	40	46
аоо	868	878	888	897	907	917	926	936	945	955	50	6	13	19	26	32	38	45	50	57

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t	100	200	300	400	500	600	700	800	900	-
0	25,8819	51,763	77,645	103,527	129,409	155,291	181,173	207,055	232,937	60
1	25,9100	51,820	77,730	103,640	129,550	155,460	181,370	207,280	233,190	59
2	25,9381	51,876	77,814	103,752	129,690	155,628	181,566	207,504	233,442	58
3	25,9661	51,932	77,898	103,864	129,831	155,797	181,763	207,729	233,695	57
4	25,9942	51,988	77,982	103,977	129,971	155,965	181,960	207,954	233,948	56
5	26,0223	52,044	78,067	104,089	130,111	156,134	182,156	208,179	234,201	55
6	26,0504	52,101	78,151	104,201	130,252	156,302	182,353	208,403	234,454	54
7	26,0785	52,157	78,235	104,314	130,392	156,471	182,549	208,628	234,706	53
8	26,1066	52,213	78,319	104,426	130,533	156,639	182,746	208,853	234,959	52 »
9	26,1347	52,269	78,404	104,538	130,673	156,808	182,942	209,077	235,212	51
10	26,1627	52,325	78,488	104,651	130,813	156,976	183,139	209,302	235,465	50
И	26,1908	52,381	78,572	104,763	130,954	157,145	183,336	209,526	235,717	49
12	26,2189	52,437	78,656	104,875	131,094	157,313	183,532	209,751	235,970	48
13	26,2469	52,494	78,741	104,988	131,235	157,482	183,729	209,976	236,223	47
14	26,2750	52,550	78,825	105,100	131,375	157,650	183,925	210,200	236,475	46
15	26,3031	52,606	78,909	105,212	131,515	157,818	184,121	210,425	236,728	45
16	26,3311	52,662	78,993	105,324	131,656	157,987	184,318	210,649	236,980	44
17	26,3592	52,718	79,077	105,437	131,796	158,155	184,514	210,874	237,233	43
18	26,3873	52,774	79,162	105,549	131,936	158,323	184,711	■211,098	237,485	42
19	26,4153	52,830	79,246	105,661	132,076	158,492	184,907	211,323	237,738	41
20	26,4434	52,886	79,330	105,773	132,217	158,660	185,104	211,547	237,990	40
21	26,4714	52,943	79,414	105,885	132,35*ti*	158,828	185,300	211,771	238,243	39
22	26,4995	52,999	79,498	105,998	132.49Г7	158,997	185,496	211,996	238,495	38
23	26,5275	53,055	79,582	106,110	132,$7	159,165	185,693	212,220	238,748	37
24	26,5556	53,111	79,666	106,222	132,778	159,333	185,889	212,445	239,000	36
25	26,5836	53,167	79,751	106,334	132,918	159,502	186,085	212,669	239,253	35
26	26,6117	53,223	79,835	106,446	133,058	159,670	186,281	212,893	239,505	34
27	26,6397	53,279	79,919	106,559	133,198	159,838	186,478	213,118	239,757	33
28	26,6677	53,335	80,003	106,671	133,338	160,000	186,674	213,342	240,010	32
29	26,6958	53,391	80,087	106,783	133,479	160,174	186,870	213,566	240,262	31
30	26,7238	53,447	80,171	106,895	133,619	160,343	187,066	213,790	240,514	30
	100	200	300	400	500	600	700	800	900	•
d	28	56	84	112	140	168	196	224	253	***d***

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мм	00	10	20	30	40	50	60	70	80	90.
100	26	29	32	34	37	39	42	45	47	50
200	53	55	58	60	63	66	68	71	74	76
300	79	82	84	87	89	92	95	97	100	103
400	105	108	110	ИЗ	116	118	121	124	126	129
500	132	134	137	139	142	145	147	150	153	155
600	158	160	163	166	168	171	174	176	179	181
700	184	187	189	192	195	197	200	203	205	208
800	210	213	216	218	221	224	226	229	231	234
900	237	239	242	245	247	250	253	255	258	260

%d	28	56	84	112	140	168	196	224	253
6	3	6	8	И	14	17	20	22	25
7	3	7	10	13	16	20	23	26	29
8	3	7	И	15	19	22	26	30	34
9	4	8	13	17	21	25	29	34	•38
10	5	9	14	19	23	28	33	37	42
20	9	19	28	37	47	56	65	75	84
30	14	28	42	56	70	84	98	112	126
40	19	37	56	75	93	112	131	150	168
50	23	47	70	94	117	140	164	187	210

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	100	200	300	400	500	600	700	800	900	
30	96,3630	192,726	289,089	385,452	481,815	578,178	674,541	770,904	867,267	30
31	96,3552	192,710	289,065	385,421	481,776	578,131	674,486	770,842	867,197	29
32	96,3474	192,695	289,042	385,390	481,737	578,084	674,432	770,779	867,127	28
33	96,3396	192,679	289,019	385,358	481,698	578,038	674,377	770,717	867,057	27
34	96,3318	192,663	288,995	385,327	481,659	577,991	674,323	770,655	866,987	26
35	96,3240	192,648	288,972	385,296	481,620	577,944	674,268	770,592	866,916	25
36	96,3162	192,632	288,948	385,265	481,581	577,897	674,213	770,530	866,846	24
37	96,3084	192,616	288,925	385,233	481,542	577,850	674,159	770,467	866,775	23
38	96,3006	192,601	288,901	385,202	481,503	577,803	674,104	770,404	866,705	22
39	96,2927	*92,585	288,878	385,171	481,463	577,756	674,049	770,342	866,634	21
40	96,2849	192,569	288,854	385,139	481,424	577,709	673,994	770,279	866,564	20
41	96,2770	192,554	288,831	385,108	481,385	577,662	673,939	770,216	866,493	19
42	96,2691	192,538	288,807	385,076	481,345	577,615	673,884	770,153	866,422	18
43	96,2613	192,522	288,783	385,045	481,306	577,567	673,829	770,090	866,351	17
44	96,2534	192,506	288,760	385,013	481,267	577,520	673,774	770,027	866,280	16
45	96,2455	192,491	288,736	384,982	481,227	577,473	673,718	769,964	866,209	15
46	96,2376	192,475	288,712	384,950	481,188	577,425	673,663	769,901	866,138	14
47	96,2297	192,459	288,689	384,918	481,148	577,378	673,608	769,837	866,067	13
48	96,2218	192,443	288,665	384,887	481,109	577,330	673,552	769,774	865,996	12
49	96,2138	192,427	288,641	384,855	481,069	577,283	673,497	769,711	865,924	11
50	96,2059	192,411	288,617	384,823	481,029	577,235	673,441	769,647	865,853	10
51	96,1980	192,396	288,594	384,792	480,990	577,188	673,386	769,584	865,782	9
52	96,1900	192,380	288 570	384,760	480,950	577,140	673,330	769,520	865,710	8
53	96,1821	192,364	288,546	384,728	480,910	577,092	673,274	769,456	865,638	7
54	96,1741	192,348	288,522	384,696	480,870	577,044	673,219	769,393	865,567	6
55	96,1661	192,332	288,498	384,664	480,830	576,997	673,163	769,329	865,495	5
56	96,1581	192,316	288,474	384,632	480,790	576,949	673,107	769,265	865,423	4
57	96,1501	192,300	288,450	384,600	480,751	576,901	673,051	769,201	865,351	3
58	96,1421	192,284	288,426	384,568	480,711	576,853	672,995	769,137	865,279	2
59	96,1341	192,268	288,402	384,536	480,671	576,805	672,939	769,073	865,207	1
60	96,1261	192,252	288,378	384,504	480,630	576,757	672,883	769,009	865,135	0
1	100	200	300	400	500	600	700	800	900	'
d	8	16	24	32	40	47	55	63	71	***d***

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им 00	10		2 0	30	40	50	60	70	80	90	½*d*	8	16	24	32	40	47	55	63	71
100	96	106	115	125	**135**	**144**	**154**	**164**	**173**	**183**	**6**	**1**	**2**	**2**	**3**	**4**	**5**	**6**	**6**	**7**
200	192	202	2ї2	221	**231**	**241**	**250**	**260**	**269**	**279**	**7**	**1**	**2**	**3**	**4**	**5**	**6**	**6**	**7**	**8**
300	289	298	308	318	**327**	**337**	**346**	**356**	**366**	**375**	**8**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
400	385	395	404	414	**423**	**433**	**443**	**452**	**462**	**472**	**9**	**1**	**2**	**4**	**5**	**6**	**7**	**8**	**9**	**11**
500	481	491	500	510	**520**	**529**	**539**	**549**	**558**	**568**	**10**	**1**	**3**	**4**	**5**	**7**	**8**	**9**	**11**	**12**
600	577	587	597	606	**616**	**626**	**635**	**645**	**654**	**664**	**20**	**3**	**5**	**8**	**11**	**13**	**16**	**18**	**21**	**24**
700	674	683	693	703	**712**	**722**	**731**	**741**	**751**	**760**	**30**	**4**	**8**	**12**	**16**	**20**	**24**	**28**	**32**	**36**
800	770	780	789	799	**808**	**818**	**828**	**837**	**847**	**857**	**40**	**5**	**11**	**16**	**21**	**26**	**32**	**37**	**42**	**47**
800	866	876	885	895	**905**	**914**	**924**	**934**	**943**	**953**	**50**	**6**	**13**	**20**	**26**	**33**	**39**	**46**	**53**	**59**

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	100	200	300	400	500	600	700	800	900	
30	26,7238	53,447	80,171	106,895	133,619	160,343	187,066	213,790	240,514	30
31	26,7518	53,503	80,255	107,007	133,759	160,511	187,263	214,015	240,766	29
32	26,7799	53,559	80,339	107,119	133,899	160,679	187,459	214,239	241,019	28
33	26,8079	53,615	80,423	107,231	134,039	160,847	187,655	214,463	241,271	27
34	26,8359	53,671	80,507	107,343	134,179	161,015	187,851	214,687	241,523	26
35	26,8639	53,728	80,591	107,455	134,319	161,183	188,047	214,911	241,775	25
36	26,8919	53,784	80 676	107,568	134,460	161,351	188,243	215,135	242,027	24
37	26,9200	53,840	80,760	107,680	134,600	161,520	188,440	215,360	242,280	23
38	26,9480	53,896	80,844	107,792	134,740	161,688	188,636	215,584	242,532	22
39	26,9760	53,952	80,928	107,904	134,880	161,856	188,832	215,808	242,784	21
40	27,0040	54,008	81,012	108,016	135,020	162,024	189,028	216,032	243,036	20
41	27,0320	54,064	81,096	108,128	135,160	162,192	189,224	216,256	243,288	19.
42	27,0600	54,120	81,180	108,240	135,300	162,360	189,420	216,480	243,540	18
43	27,0880	54,176	81,264	108,352	135,440	162,528	189,616	216,704	243,792	17
44	27,1160	54,232	81,348	108,464.	135,580	162,696	189,812	216,928	244,044	16
45	27,1440	54,288	81,432	108,576	135,720	162,864	190,008	217,152	244,296	15
46	27,1720	54,344	81,516	108,688	135,860	163,032	190,204	217,376	244,548	14
47	27,2000	54,400	81,600	108,800	136,000	163,200	190,400	217,600	244,800	13
48	27,2280	54,456	81,684	108,912	136,140	163,368	190,596	217,824	245,052	12
49	27,2560	54,512	81,768	109,024	136,280	163,536	190,792	218,048	245,304	11
50	27,2840	54,568	81,852	109,136	136,420	163,704	190,988	218,272	245,556	10
51	27,3119	54,624	81,936	109,248	136,560	163,872	191,183	218,495	245,807	9
52	27,3399	54,680	82,020	109,359	136,699	164,039	191,379	218,719	246,059	8
53	27,3679	54,735	82,103	109,471	136,839	164,207	191,575	218,943	246,311	7
54	27,3959	54,791	82,187	109,583	136,979	164,375	191,771	219,167	246,563	6
55	27,4239	54,847	82,271	109,695	137,119	164,543	191,967	219,391	246,815	5
56	27,4518	54,903	82,355	109,807	137,259	164,711	192,163	219,615	247,066	4
57	27,4798	54,959	82,439	109,919	137,399	164,879	192,358	219,838	247,318	3
58	27,5078	55,015	82,523	110,031	137,539	165,046	192,554	220,062	247,570	2
59	27,5357	55,071	82,607	110,143	137,678	165,214	192,750	220,286	247.822	1
60	27,5637	55,127	82,691	110,255	137,818	165,382	192,946	220,510	248,073	0
	100	200	300	400	500	600	700	800	900	'
	28	56	84	112	140	168	196	224	252	

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	00	10	20	30	40	50	60	70	80	90
100	27	30	33	35	38	41	43	46	49	52
200	54	57	60	62	65	68	71	73	76	79
300	81	84	87	90	92	95	98	100	103	106
400	109	Ul	114	117	119	122	125	128	130	133
500	136	138	141	144	147	149	152	155	157	160
600	163	166	168	171	174	176	179	182	185	187
700	190	193	195	198	201	204	206	209	212	214
800	217	220	223	225	228	231	233	236	239	242
900	244	247	250	252	255	258	261	263	266	269

Id	**28**	56	84	112	140	168	196	224	252
6	3	6	8	11	14	17	20	22	25
7	3	7	10	13	16	20	23	26	29
8	4	7	11	15	19	22	26	30	34
9	4	8	13	17	21	25	29	34	38
10	5	9	14	19	23	28	33	37	42
20	9	19	28	37	47	56	65	75	84
30	14	28	42	56	70	84	98	112	126
40	19	37	56	75	93	112	131	149	168
50	23	47	70	93	117	140	163	187	210

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*	100	200	300	400	500	600	700	800	900	<
0	96,1261	192,252	288,378	384,504	480,630	576,757	672,883	769,009	865,135	60
1	96,1181	192,236	288,354	384,472	480,590	576,708	672,827	768,945	865,063	59
2	96,1101	192,220	288,330	384,440	480,550	576,660	672,770	768,881	864,991	58
3	96,1020	192,204	288,306	384,408	480,510	576,612	672,714	768,816	864,918	57
4	96,0940	192,188	288,282	384,376	480,470	576,564	672,658	768,752	864,846	56
5	96,0859	192,172	288,258	384,344	480,429	576,515	672,601	768,687	864,773	55
6	96,0779	192,155	288,233	384,311	480,389	576,467	672,545	768,623	864,701	54
7	96,0698	192,139	288,209	384,279	480,349	576,419	672,489	768,558	864,628	53
8	96,0617	192,123	288,185	384,247	480,308	576,370	672,432	768,494	864,555	52
9	96,0536	192,107	288,161	384,214	480,268	576,322	672,375	768,429	864,483	51
10	96,0455	192,091	288,136	384,182	480,228	576,273	672,319	768,364	864,410	50
11	96,0374	192,075	288,112	384,150	480,187	576,224	672,262	768,299	864,337	49
12	96,0294	192,058	288,088	384,117	480,146	576,176	672,205	768,235	864,264	48
13	96,0212	192,042	288,063	384,085	480,106	/476,127	672,148	768,170	864,191	47
14	96,0131	192,026	288,039	384,052	480,065	576,078	672,091	768,105	864,118	46
15	96,0049	192,010	288,015	384,020	480,025	576,030	672,034	768,039	864,044	45
16	95,9968	191,993	287,990	383,987	479,984	575,981	671,977	767,974	863,971	44
17	95,9886	191,977	287,966	383,954	479,943	575,932	671,920	767,909	863,898	43
18	95,9805	191,961	287,941	383,922	479,902	575,883	671,863	767,844	863,824	42
19	95,9723	191,944	287,917	383,889	479,861	575,834	671,806	767,778	863,751	41
20	95,9641	191,928	287,892	383,856	479,821	575,785	671,749	767,713	863,677	40
21	95,9560	191,912	287,868	383,824	479,780	575,736	671,692	767,648	863,604	39
22	95,9478	191,895	287,843	383,791	479,739	575,686	671,634	767,582	863,530	38
23	95,9396	191,879	287,818	383,758	479,698	575,637	671,577	767,516	863,456	37
24	95,9314	191,862	287,794	383,725	479,657	575,588	671,519	767,451	863,382	36
25	95,9231	191,846	287,769	383,692	479,615	575,539	671,462	767,385	863,308	35
26	95,9149	191,830	287,744	383,659	479,574	575,489	671,404	767,319	863,234	34
27	95,9067	191,813	287,720	383,626	479,533	575,440	671,347	767,253	863,160	33
28	95,8984	191,797	287,695	383,594	479,492	575,390	671,289	767,187	863,086	32
29	95,8902	191,780	287,670	383,561	479,451	575,341	671,231	767,121	863,012	31 '
30	95,8819	191,764	287,646	383,527	479,409	575,291	671,173	767,055	862,937	30

Φ	100	200	300	400	500	600	700	800	900	
i	8	16	24	33	41	49	57	65	73	*d*

4-106° —286° *Ay* 73° sin 73°+ 253°—

мм	00	10	20	*30*	40	50	60	70	80i	90	7*d*	8	16	24	33	41	49	57	65	73
100	96	106	115	125	134	144	154	163	173	182	6	1	2	2	3	4	5	6	7	7
200	192	*Ш*	211	221	230	240	250	259	269	278	7	1	2'	3	4	5	fi	7	8	9
300	288	298	307	317	326	336	346	355	365	374	8	1	2	3	4	5	7	8	9	10
400	384	394	403	413	422	432	442	451	461	470	9	1	2	4	fi	6	7	9	10	11
500	480	490	499	509	518	528	538	547	557	566	10	1	3	4	5	7	8	9	11	12
600	576	586	595	605	614	624	634	643	653	662	20	3	5	8	11	14	16	19	22	24
'/00	672	682	691	701	710	720	730	739	749	758	30	4	8	12	16	20	24	28	33	37
8UU	768	778	787	797	806	816	826	835	845	854	40	5	11	16	22	27	33	38	43	49
UDO	864	874	883	893	902	912	922	931	941	950	50	7	14	20	27	34	41	47	54	61

'	100	200	300	400	500	600	700	800	900	»
0	27,5637	55,127	82,691	110,255	137,818	165,382	192,946	220,509	248,073	60
1	27,5917	55,183	82,775	110,366	137,958	165,550	193,141	220,733	248,325	59
2	27,6196	55,239	82,859	110,478	138,098	165,718	193,337	220,957	248,576	58
3	27,6476	55,295	82,942	110,590	138,238	165,885	193,533	221,180	248,828	57
4	27,6755	55,351	83,026	110,702	138,377	166,053	193,729	221,404	249,080	56
5	27,7035	55,407	83,110	110,814	138,517	166,221	193,924	221,628	249,331	55
6	27,7314	55,463	83,194	110,925	138,657	166,388	194,120	221,851	249,583	54
7	27,7594	55,518	83,278	111,037	138,797	166,556	194,315	222,075	249,834	53
8	27,7873	55,574	83,362	111,149	138,936	166,724	194,511	222,298	250,086	52
9	27,8153	55,630	83,445	111,261	139,076	166,891	194,707	222,522	250,337	51
10	27,8432	55,686	83,529	111,373	139,216	167,059	194,902	222,746	250,589	50
11	27,8711	55,742	83,613	111,484	139,355	167,227	195,098	222,969	250,840	49
12	27,8991	55,798	83,697	111,596	139,495	167,394	195,293	223,192	251,092	48
13	27,9270	55,854	83,781	111,708	139,635	167,562	195,489	223,416	251,343	47
14	27,9549	35,910	83,865	111,819	139,774	167,729	195,684	223,639	251,594	46
15	27,9829	55,965	83,948	111,931	139,914	167,897	195,880	223,863	251,846	45
16	28,0108	56,021	84,032	112,043	140,054	168,065	196,075	224,086	252,097	44
17	28,0387	56,077	84,116	112,155	140,193	168,232	196,271	224,310	252,348	43
18	28,0666	56,133	84,200	112,266	140,333	168,400	196,466	224,533	252,600	42
19	28,0946	56,189	84,283	112,378	140,473	168,567	196,662	224,756	252,851	41
20	28,1225	56,245	84,367	112,490	140 612	168,735	196,857	224,980	253,102	40
21	28,1504	56,300	84,451	112,601	140,752	168,902	197,053	225,203	253,353	39
22	28,1783	56,356	84,535	112,713	140,891	169,070	197,248	225,426	253,605	38
23	28,2062	56,412	84,618	112,825	141,031	169,237	197,443	225,650	253,856	37
24	28,2341	56,468	84,702	112,936	141,170	169,404	197,639	225,873	254,107	3a
25	28,2620	56,524	84,786	113,048	141,310	169,572	197,834	226,096	254,358	35
26	28,2899	56,580	84,869	113,159	141,449	169,739	198,029	226,319	254,609	34
27	28,3178	56,635	84,953	113,271	141,589	169,907	198,225	226,542	254,860	33
28	28,3457	56,691	85,037	113,383	141,728	170,074	198,420	226,766	255,111	32
29	28,3736	56,747	85,121	113,494	141,868	170,241	198,615	226,989	255,362	31
30	28,4015	56,803	85,204	113,606	142,007	170,409	198,810	227,212	255,613	30

'	100	200	300	400	500	600	700	800	900	*t*
d	28	56	84	112	140	168	196	223	251	*d*

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III	00	10	20	30	40	50	60	70	80	90
100	28	31	34	36	39	42	45	48	50	53
200	ñfi	59	62	64	67	70	73	76	78	81
300	84	87	90	92	95	98	101	104	106	109
400	m	115	118	120	123	126	129	132	134	137
500	140	143	146	148	151	154	157	160	162	165
600	168	171	173	176	179	182	185	187	190	193
700	196	199	201	204	207	210	213	215	218	221
800	?,24	*m*	229	232	235	238	241	243	246	249
900	252	255	257-	260	263	266	269	271	274	277

Id	28	56	84	112	140	168	196	223	:251
6	3	6	8	11	14	17	20	22	25
7	3	7	10	13	16	20	23	20	29
8	4	7	11	15	19	22	26	30	34
9	4	8	13	17	21	25	29	34	»8
10	5	9	14	19	23	28	33	37	42
20	9	19	28	37	47	56	65	74	84
30	14	28	42	56	70	84	98	112	12»
40	19	37	56	74	93	112	130	149	168
50	23	47	70	93	116	140	163	186	209

	100	200	300	400	500	600	700	800	900	
30	95,8819	191,764	287,646	383,527	479,409	575,291	671,173	767,055	862,937	30
31	95,8737	191,747	287,621	383,494	479,368	575,242	671,116	766,989	862,863	29
32	95,8654	191,730	287,596	383,461	479,327	575,192	671,058	766,923	862,789	28
33	95,8571	191,714	287,571	383,428	479,285	575,143	671,000	766,857	862,714	27
34	95,8488	191,697	287,546	383,395	479,244	575,093	670,942	766,790	862,639	26
35	95,8405	191,681	287,521	383,362	479,202	575,043	670,884	766,724	862,565	25
36	95,8322	191,664	287,496	383,329	479,161	574,993	670,825	766,658	862,490	24
37	95,8239	191,647	287,471	383,295	479,119	574,943	670,767	766,591	862,415	23
38	95,8156	191,631	287,446	383,262	479,078	574,893	670,709	766,525	862,340	22
39	95,8072	191,614	287,421	383,229	479,036	574,843	670,651	766,458	862,265	21
40	95,7989	191,597	287,396	383,195	478,994	574,793	670,592	766,391	862,190	20
41	95,7906	191,581	287,371	383,162	478,953	574,743	670,534	766,324	862,115	19
42	95,7822	191,564	287,346	383,129	478,911	574,693	670,475	766,258	862,040	18
43	95,7738	191,547	287,321	383,095	478,869	574,643	670,417	766,191	861,965	17
44	95,7655	191,531	287,296	383,062	478,827	574,593	670,358	766,124	861,889	16
45	95,7571	191,514	287,271	383,028	478,785	574,542	670,300	766,057	861,814	15
46	95,7487	191,497	287,246	382,995	478,743	574,492	670,241	765,990	861,738	14
47	95,7403	191,480	287,221	382,961	478,701	574,442	670,182	765,922	861,663	13
48	95,7319	191,463	287,195	382,927	478,659	574,391	670,123	765,855	861,587	12
49	95,7235	191,447	287,170	382,894	478,617	574,341	670,064	765,788	861,511	11
50	95,7151	191,430	287,145	382,860	478,575	574,290	670,005	765,721	861,436	10
51	95,7066	191,413	287,120	382,826	478,533	574,240	669,946	765,653	861,360	9
52	95,6982	191,396	287,094	382,793	478,491	574,189	669,887	765,586	861,284	8
53	95,6898	191,379	287,069	382,759	478,449	574,138	669,828	765,518	861,208	7
54	95,6813	191,362	287,044	382,725	478,406	574,088	669,769	765,450	861,132	6
55	95,6729	191,345	287,018	382,691	478,364	574,037	669,710	765,383	861,056	5
56	95,6644	191,328	286,993	382,657	478,322	573,986	669,651	765,315	860,979	4
57	95,6559	191,312	286,967	382,623	478,279	573,935	669,591	765,247	860,903	3
58	95,6474	191,295	286,942	382,589	478,237	573,884	669,532	765,179	860,827	2
59	95,6389	191,278	286,917	382,555	478,194	573,833	669,472	765,111	860,750	1
60	95,6304	191,261	286,891	382,521	478,152	573,782	669,413	765,043	860,674	0
	100	200	300	400	500	600	700	800	900	'
<*	8	17	25	34	42	50	59	67	76	

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им 00	10	20	30	40	50	60	70	80	90	"jd	8	17	25	34	42	50	59	67	76
100 96	105	115	124	134	144	153	163	172	182	6	1	2	3	3	4	5	6	7	8
200 192	201	211	220	230	239	249	259	268	278	7	1	2	3	4	5	6	7	8	9
300 287	297	306	316	326	335	345	354	364	373	8	1	2	3	4	6	7	8	9	10
400 383	393	402	412	421	431	440	450	460	469	9	1	3	4	5	6	8	9	10	11
500 479	488	498	508	517	527	536	546	555	565	10	1	3	4	6	7	8	10	11	13
600 575	584	594	603	613	622	632	642	651	661	20	3	6	8	11	14	17	20	22	25
700 670	680	689	699	709	718	728	737	747	756	30	4	8	13	17	21	25	29	33	38
800 766	776	785	795	804	814	824	833	843	852	40	6	11	17	22	28	33	39	45	50
900 862	871	881	891	900	910	919	929	938	948	50	7	14	21	28	35	42	49	56	63

$	100	200	300	400	500	600	700	800	900	
30	28.4015	56,803	85,204	113,606	142,007	170,409	198,810	227,212	255,613	30
31	28,4294	56,858	85,288	113,717	142,147	170,576	199,006	227,435	255,864	29
32	28,4573	56,914	85,372	113,829	142,286	170,743	199,201	227,658	256,115	28
33	28,4852	56,970	85,455	113,940	142,426	170,911	199,396	227,881	256,366	27
34	28,5130	57,026	85,539	114,052	142,565	171,078	199,591	228,104	256,617	26
35	28,5409	57,082	85,622	114,163	142,704	171,245	199,786	228,327	256,868	25
' 36	28,5688	57,137	85,706	114,275	142,844	171,413	199,981	228,550	257,119	24
37	28,5967	57,193	85,790	114,386	142,983	171,580	200,177	228,773	257,370	23
38	28,6245	57,249	85,873	114,498	143,123	171,747	200,372	228,996	257,621	22
39	28,6524	57,305	85,957	114,609	143,262	171,914	200,567	229,219	257,872	21
40	28,6803	57,360	86,041	114,721	143,401	172,082	200,762	229,442	258,123	20
41	28,7081	57,416	86,124	114,832	143,541	172,249	200,957	229,665	258,373	19
42	28,7360	57,472	86,208	114,944	143,680	172,416	201,152	229,888	258,624	18
43	28,7639	57,527	86,291	115,055	143,819	172,583	201,347	230,111	258,875	17
44	28,7917	57,583	86,375	115,167	143,958	172,750	201,542	230,334	259,126	16
45	28,8196	57,639	86,458	115,278	144,098	172,917	201,737	230,557	259,376	15
46	28,8474	57,695	86,542	115,390	144,237	173,084	201,932	230,779	259,627	14
47	28,8753	57,750	86,626	115,501	144,376	173,252	202,127	231,002	259,878	13
48	28,9031	57,806	86,709	115,612	144,516	173,419	202,322	231,225	260,128	12
49	28,9310	57,862	86,793	115,724	144,655	173,586	202,517	231,448	260,379	11
50	28,9588	57,917	86,876	115,835	144,794	173,753	202,712	231,671	260,629	10
51	28,9867	57,973	86,960	115,946	144,933	173,920	202,907	231,893	260,880	9
52	29,0145	58,029	87,043	116,058	145,072	174,087	203,101	232,116	261,131	8
53	29,0423	58,084	87,127	116,169	145,212	174,254	203,296	232,339	261,381	7
54	29,0702	58,140	87,210	116,280	145,351	174,421	203,491	232,561	261,632	6
55	29,0980	58,196	87,294	116,392	145,490	174,588	203,086	232,784	261,882	5
56	29,1258	58,251	87,377	116,503	145,629	174,755	203,881	233,007	262,133	4
57	29,1537	58,307	87,461	116,614	145,708	174,922	204,076	233,229	262,383	3
58	29,1815	58,363	87,544	116,726	145,907	175,089	204,270	233,452	262,633	2
59	29 2093	58,418	87,628	116,837	146,046	175,256	204,465	233,674	262,884	1
60	29,2371	58,474	87,711	116,948	146,185	175,423	204,660	233,897	263,134	0
'	100	200	300	400	500	600	* 700	800	900	Φ
d	28	56	84	111	139	167	195	223	251	à

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мм	00	10	20	30	40	50	60	70	80	90
100	29	32	35	37	40	43	46	49	52	55
200	58	61	63	66	69	72	75	78	81	84
300	86	89	92	95	98	101	104	107	110	112
400	115	118	121	124	127	130	133	135	138	141
500	144	147	150	153	156	159	161	164	167	170
600	173	176	179	182	184	187	190	193	196	199
700	202	205	208	210	213	21 fl	219	222	225	228
800	231	233	236	239	242	245	248	251	254	256
900	259	262	265	268	271	274	277	280	282	285

"Id	28	56	84	111	139	167	195	223	251
6	3	6	8	11	14	17	20	22	25
7	3	7	10	13	16	20	23	26	29
8	4	7	11	15	19	22	26	30	33
9	4	8	13	17	21	25	29	33	38
10	5	9	14	19	23	28	33	37	42
20	9	19	28	37	46	56	65	74	84
30	14	28	42	56	70	84	98	111	125
40	19	37	56	74	93	111	130	149	Ш
50	23	46	70	93	116	139	163	186	209

t	100	200	300	400	500	600	700	800	900	t
0	95,6304	191,261	286,891	382,521	478,152	573,782	669,413	765,043	860,674	60
1	95,6219	191,244	286,865	382,487	478,109	573,731	669,353	764,975	860,597	59
2	95,6134	191,226	286,840	382,453	478,067	573,680	669,294	764,907	860,521	58
3	95,6049	191,209	286,814	382,419	478,024	573,629	669,234	764,839	860,444	57
4	95,5964	191,192	286,789	382,385	477,982	573,578	669,174	764,771	860,367	56
5	95,5878	191,175	286,763	382,351	477,939	573,527	669,115	764,702	860,290	55
6	95,5793	191,158	286,738	382,317	477,896	573,475	669,055	764,634	860,213	54
7	95,5707	191,141	286,712	382,283	477,853	573,424	668,995	764,566	860,136	53
8	95,5621	191,124	286,686	382,248	477,810	573,373	668,935	764,497	860,059	52
9	95,5536	191,107	287,660	382,214	477,768	573,321	668,875	764,428	859,982	51
10	95,5450	191,090	286,635	382,180	477,725	573,270	668,815	764,360	859,905	50
11	95,5364	191,072	286,609	382,145	477,682	573,218	668,755	764,291	859,827	49
12	95,5278	191,055	286,583	382,111	477,639	573,167	668,694	764,222	859,750	48
13	95,5192	191,038	286,557	382,077	477,596	573,115	668,634	764,153	859,673	47
14	95,5106	191,021	286,531	382,042	477,553	573,063	668,574	764,085	859,595	46
15	95,5020	191,004	286,506	382,008	477,510	573,012	668,514	764,016	859,518	45
16	95,4933	190,986	286,480	381,973	477,466	572,960	668,453	763,947	859,440	44
17	95,4847	190,969	286,454	381,938	477,423	572,908	668,393	763,877	859,362	43
18	95,4760	190,952	286,428	381,904	477,380	572,856	668,332	763,808	859,284	42
19	95,4674	190,934	286,402	381,869	477,337	572,804	668,272	763,739	859,206	41
20	95,4587	190,917	286,376	381,835	477,293	572,752	668,211	763,670	859,128	40
21	95,4501	190,900	286,350	381,800	477,250	572,700	668,150	763,600	859,050	39
22	95,4414	190,882	286,324	381,765	477,207	572,648	668,089	763,531	858,972	38
23	95,4327	190,865	286,298	381,731	477,163	572,596	668,029	763,461	858,894	37
24	95,4240	190,848	286,272	381,696	477,120	572,544	667,968	763,392	858,816	36
25	95,4153	190,830	286,246	381,661	477,076	572,492	667,907	763,322	858,738	35
26	95,4066	190,813	286,219	381,626	477,033	572,439	667,846	763,253	858,659	34
27	95,3979	190,795	286,193	381,591	476,989	572,387	667,785	763,183	858,581	33
28	95,3891	190,778	286,167	381,556	476,945	572,335	667,724	763,113	858,502	32
29	95,3804	190,760	286,141	381,521	476,902	572,282	667,663	763,043	858,424	31
30	95,3717	190,743	286,115	381,486	476,858	572,230	667,601	762,973	858,345	30
t	100	200	300	400	500	600	700	800	900	t
d	9	17	26	35	43	52	60	69	78	*d*

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III	00	10	20	30	40	50	60	70	80	90	"*Id*	9	17	26	35	43	52	60	69	78
100	96	105	115	124	134	143	153	162	172	181	6	1	2	3	3	4	5	6	7	4
200	191	201	210	220	229	239	248	258	267	277	7	1	2	3	4	5	6	7	8	9
300	287	296	306	315	325	334	344	353	363	372	8	1	2	3	5	6	7	8	9	10
400	382	392	401	411	420	430	439	449	458	468	9	1	3	3	5	6	8	9	10	12
500	478	487	497	506	516	525	535	544	554	563	10	1	3	4	6	7	9	10	12	13
600	573	583	592	602	611	621	630	640	649	659	20	3	6	9	12	14	17	20	23	26
700	669	678	688	697	707	716	726	735	745	754	30	4	9	13	17	22	26	30	35	39
800	764	774	783	793	802	812	821	831	840	850	40	6	12	17	23	29	35	40	46	52
900	860	869	879	888	898	907	917	926	936	945	50	7	14	22	29	36	43	50	58	65

t	100	200	300	400	500	600	700	800	900	'
0	29,2371	58,474	87,711	116,948	146,185	175,423	204,660	233,897	263,134	60
1	29,2649	58,530	87,795	117,060	146,325	175,590	204,855	234,119	263,384	59
2	29,2928	58,585	87,878	117,171	146,464	175,756	205,049	234,342	263,635	58
3	29,3206	58,641	87,961	117,282	146,603	175,923	205,244	234,565	263,885	57
4	29,3484	58,696	88,045	117,393	146,742	176,090	205,439	234,787	264,135	56
5	29,3762	58,752	88,128	117,505	146,881	176,257	205,633	2á5,009	264,386	55
6	29,4040	58,808	88,212	117,616	147,020	176,424	205,828	235,232	264,636	54
7	29,4318	58,863	88,295	117,727	147,159	176,591	206,022	235,454	264,886	53
8	29,4596	58,919	88,379	117,838	147,298	176,757	206,217	235,677	265,136	52
9	29,4874	58,974	88,462	117,949	147,437	176,924	206,412	235,899	265,386	51
10	29,5152	59,030	88,545	118,060	147,576	177,091	206,606	236,121	265,637	50
11	29,5430	59,086	88,629	118,172	147,715	177,258	206,801	236,344	265,887	49
12	29,5708	59,141	88,712	118,283	147,854	177,424	206,995	236,566	266,137	48
13	29,5986	59,197	88,795	118,394	147,993	177,591	207,190	236,788	266,387	47
14	29,6263	59,252	88,879	118,505	148,131	177,758	207,384	237,011	266,637	46
15	29,6541	59,308	88,962	118,616	148,270	117,925	207,579	237,233	266,887	45
16	29,6819	59,363	89,045	118,727	148,409	178,091	207,773	237,455	267,137	44
17	29,7097	59,419	89,129	118,838	148,548	178,258	207,968	237,677	267,387	43
18	29,7374	59,475	89,212	118,950	148,687	178,425	208,162	237,900	267,637	42
19	29,7652	59,530	89,295	119,061	148,826	178,591	208,356	238,122	267,887	41
20	29,7930	59,586	89,379	119,172	148,965	178,758	208,551	238,344	268437	40
21	29,8208	59,641	89,462	119,283	149,104	178,924	208,745	238,566	268,387	39
22	29,8485	59,697	89,545	119,394	149,242	179,091	208,940	238,788	268,637	38
23	29,8763	59,752	89,629	119,505	149,381	179,258	209,134	239,010	268,887	37
24	29,9040	59,808	89,712	119,616	149,520	179,424	209,328	239,232	269,136	36
25	29,9318	59,863	89,795	119,727	149,659	179,591	209,522	239,454	269,386	35
26	29,9596	59,919	89,878	119,838	149,798	179,757	209,717	239,676	269,636	34
27	29,9873	59,974	89,962	119,949	149,936	179,924	209,911	239,898	269,886	33
28	30,0151	60,030	90,045	120,060	150,075	180,090	210,105	240,120	270,135	32
29	30,0428	60,085	90,128	120,171	150,214	180,257	210,299	240,342	270,385	31
30	30,0705	60,141	90,211	120,282	150,353	180,423	210.494	240,564	270,635	30

'	100	200	300	400	500	600	700	800	900	
d	23	56	83	111	139	167	194	222	250	*d*

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MU	00	10	20	30	40	50	60	70	80	90
100	80	33	36	39	42	44	47	50	53	56
200	59	62	65	68	71	74	77	80	83	86)
300	89	92	95	98	101	104	107	110	113	116
400	119	122	125	128	130	133	Í36	139	142	145
600	148	161	154	157	160	183	166	169	172	175
600	178	181	184	187	190	193	196	199	202	205
700	208	211	214	216	219	222	225	228	231	234
800	237	240	243	246	249	252	255	258	261	264
900	267	270	273	276	279	282	285	288	291	294

•*Id*	28	56	83	:111	139	167	194	222	250
6	3	6	8	11	14	17	19	22	25
7	3	6	10	13	16	19	23	26	29
8	4	7	11	15	19	22	26	30	33
9	4	8	13	17	21	25	29	33	38
10	5	8	14	19	23	28	32	37	42
20	9	19	28	37	46	56	65	74	83
80	14	28	42	56	70	83	97	111	125
40	19	37	56	74	93	111	130	148	167
50	23	46	70	93	116	139	162	185	209

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s	100	200	300	400	500	600	700	800	900	-
30	95,3717	190,743	286,115	381,486	476,858	572,230	667,601	762,973	858,345	30
31	95,3629	190,725	286,088	381,451	476,814	572,177	667,540	762,903	858,266	29
32	95,3541	190,708	286,062	381,416	476,771	572,125	667,479	762,833	858,187	28
33	95,3454	190,690	286,036	381,381	476,727	572,072	667,418	762,763	858,108	27
34	95,3366	190,673	286,«10	381,346	476,683	572,019	667,356	762,693	858,029	26
35	95,3278	190,655	285,983	381,311	476,639	571,967	667,295	762,622	857,950	25
36	95,3190	190,638	285,957	381,276	476,595	571,914	667,233	762,552	857,871	24
37	95,3102	190,620	285,930	381,241	476,551	571,861	667,171	762,482	857,792	23
38	95,3014	190,603	285,904	381,205	476,507	571,808	667,110	762,411	857,713	22
39	95,2926	190,585	285,878	381,170	476,463	571,755	667,048	762,341	857,633	21
40	95,2838	190,567	285,851	381,135	476,419	571,703	666,986	762,270	857,554	20
41	95,2749	190,550	285,825	381,100	476,375	571,650	666,925	762,200	857,474	19
42	95,2661	190,532	285,798	381,064	476,330	571,596	666,863	762,129	857,395	18
43	95,2573	190,514	285,771	381,029	476,286	571,543	666,801	762,058	857,315	17
44	95,2484	190,496	285,745	380,993	476,242	571,490	666,739	761,987	857,236	16
45	95,2395	190,479	285,718	380,958	476,197	571,437	666,677	761,916	857,156	15
46	95,2307	190,461	285,692	380,922	476,153	571,384	666,615	761,845	857,076	14
47	95,2218	190,443	285,665	380,887	476,109	571,331	666,552	761,774	856,996	13
48	95,2129	190,425	285,638	380,851	476,064	571,277	666,490	761,703	856,916	12
49	95,2040	190,408	285,612	380,816	476,020	571,224	666,428	761,632	856,836	11
50	95,1951	190,390	285,585	380,780	475,975	571,170	S66.366	761,561	856,756	10
51	95,1862	190,372	285,558	380,744	475,931	571,117	666,303	761,489	856,676	9
52	95,1773	190,354	285,532	380,709	475,886	571,063	666,241	761,418	856,595	8
53	95,1683	190,336	285,505	380,673	475,841	571,010	666,178	761,347	856,515	7
54	95,1594	190,318	285,478	380.637	475,797	570,956	666,116	761,275	856,435	6
55	95,1505	190,301	285,451	380,602	475,752	570,903	666,053	761,204	856,354	5
56	95,1415	190,283	285,424	380,566	475,707	570,849	665,990	761,132	856,273	4
57	95,1325	190,265	285,397	380,530	475,663	570,795	665,928	761,060	856,193	3
58	95,1236	190,247	285,370	380,494	475,618	570,741	665,865	760,988	856,112	2
59	85,1146	190,229	285,344	380,458	475,573	570,687	665,802	760,917	856,031	1
60	95,1056	190,211	285,317	380,422	475,528	570,634	665,739	760,845	855,950	0

-	100	200	300	400	500	600	700	800	900	t
d	9	18	27	35	44	53	62	71	80	d

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un	00	10	20	30	40	50	60	70	80	90	"/d	9	18	27	35	44	53	62	71	80
100	95	105	114	124	133	143	152	162	171	181	6	1	2	3	4	4	5	6	7	8
200	190	200	210	219	229	238	248	257	267	276	7	1	2	3	4	5	6	7	8	9
300	286	295	305	314	324	333	343	352	362	371	8	1	2	4	5	6	7	8	9	11
400	381	390	400	410	419	429	438	448	457	467	9	1	3	4	5	7	8	9	11	12
500	476	486	495	505	514	524	533	543	552	562	10	1	3	4	6	7	9	10	12	13
600	571	581	590	600	610	619-	629	638	648	657	20	3	6	9	12	15	18	21	24	27
700	667	676-	686	695	705	714	?24	733	743	752	30	4	9	13	18	22	27	31	35	40
800	762	771	781	790	800	810	819	829	838	848	40	6	12	18	24	30	35	41	47	53
800	857	867	876	886	895	905	914	924	933	943	50	7	15	22	30	37	44	52	59	66

'	100	200	300	400	500	600	700	800	900	/
30	30,0705	60,141	90,211	120,282	150,352	180,423	210,494	240,564	270,635	30
31	30,0983	60,196	90,295	120,393	150,491	180,590	210,688	240,786	270,884	29
32	30,1260	60,252	90,378	120,504	150,630	180,756	210,882	241,008	271,134	28
33	30,1538	60,307	90,461	120,615	150,769	180,922	211,076	241,230	271,384	27
34	30,1815	60,363	90,544	120,726	150,907	181,089	211,270	241,452	271,633	26
35	30,2092	60,418	90,627	120,837	151,046	181,255	211,464	241,674	271,883	25
36	30,2369	60,474	90,711	120,948	151,185	181,422	211,659	241,896	272,133	24
37	30,2647	60,529	90,794	121,058	151,323	181,588	211,853	242,117	272,382	23
38	30,2924	60,584	90,877	121,169	151,462	181,754	212,047	242,339	272,632	22
39	30,3201	60,640	90,960	121,280	151,600	181,921	212,241	242,561	272,881	21
40	30,3478	60,695	91,043	121,391	151,739	182,087	212,435	242,783	273,131	20
41	30,3756	60,751	91,126	121,502	151,878	182,253	212,629	243,004	273,380	19
42	30,4033	60,806	91,210	121,613	152,016	182,419	212,823	243,226	273,629	18
43	30,4310	60,862	91,293	121,724	152,155	182,586	213,017	243,448	273,879	17
44	30,4587	60,917	91,376	121,835	152,293	182,752	213,211	243,669	274,128	16
45	30,4864	60,972	91,459	121,945	152,432	182,918	213,405	243,891	274,377	15
46	30,5141	61,028	91,542	122,056	152,570	183,084	213,599	244,113	274,627	14
47	30,5418	61,083	91,625	122,167	152,709	183,251	213,792	244,334	274,876	13
48	30,5695	61,139	91,708	122,278	152,847	183,417	213,986	244,556	275,125	12
49	30,5972	61,194	91,791	122,389	152,986	183,583	214,180	244,777	275,375	11
50	30,6249	61,249	91,874	122,499	153,124	183,749	214,374	244,999	275,624	10
51	30,6526	61,305	91,957	122,610	153,263	183,915	214,568	245,220	275,873	9
52	30,6803	61,360	92,040	122,721	153,401	184,081	214,762	245,442	276,122	8
53	30,7079	61,416	92,124	122,832	153,540	184,247	214,955	245,663	276,371	7
54	30,7356	61,471	92,207	122,942	153,67,8	184,414	215,149	245,885	276,621	6
55	30,7633	61,526	92,290	123,053	153,816	184,580	215,343	246,106	276,870	5
56	30,7910	61,582	92,373	123,164	153,955	184,746	215,537	246,328	277,119	4
57	30,8187	61,637	92,456	123,274	154,093	184,912	215,730	246,549	277,368	3
58	30,8463	61,692	92,539	123,385	154,231	185,078	215,924	246,771	277,617	2
59	30,8740	61,748	92,622	123,496	154,370	185,244	216,118	246,992	’277,866	1
60	30,9017	61,803	92,705	123,606	154,508	185,410	216,312	247,213	278,115	0
'	100	200	300	400	500	600	700	800	900	'
d	28	55	83	111	138	166	194	222	249	*d*

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Ax 72° eos

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UM	00	10	20	30	40	50	60	70	80	90	"*Id*	28	55	83	111	138	166	194	222	249
100	30	34	37	40	43	46	49	52	55	58	6	3	6	8	1.	14	17	19	22	25
?,00		64	67	70	73	76	79	82	85	88	7	3	ü	10	13	16	19	23	26	29
300	91	95	98	101	104	107	110	113	116	119	8	4	7	11	15	18	22	26	30	33
400	122	125	128	131	134	137	140	143	146	149	9	4	8	12	17	21	25	29	33	37
500	15?,	155	159	162	165	168	171	174	177	180	10	5	У	14	18	23	28	32	*31*	42
600	183	18(1	189	192	195	198	201	204	207	210	20	9	18	28	37	46	55	65	74	83
700	213	21 (i	220	223	226	229	232	235	238	241	30	14	28	42	55	69	83	97	111	12b
800 .	244	247	250	253	256	259	262	265	268	271	40	18	37	65	74	92	111	12;)	148	166
900	274	277	280	284	287	290	293	296	299	302	50	23	46	69	92	115	138	162	185	208

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	100	200	300	400	500	600	700	800	900	'
0	95,1056	190,211	285,317	380,422	475,528	570,634	665,739	760,845	855,950	60
1	95,0966	190,193	285,290	380,386	475,483	570,580	665,676	760,773	855,870	59
2	95,0876	190,175	285,263	380,350	475,438	570,526	665,613	760,701	855,789	58
3	95,0786	190,157	285,236	380,314	475,393	570,471	665,550	760,629	855,707	57
4	95,0696	190,139	285,208	380,278	475,348	570,417	665,487	760,557	855,626	56
fe	95,0606	190,121	285,181	380,242	475,303	570,363	665,424	760,484	855,545	55
6	95,0515	190,103	285,154	380,206	475,257	570,309	665,361	760,412	855,464	54
7	95,0425	190,085	285,127	380,170	475,212	570,255	665,297	760,340	855,382	53
8	95,0334	190,067	285,100	380,134	475,167	570,200	665,234	760,267	855,301	52
9	95,0244	190,048	285,073	380,097	475,122	570,146	665,171	760,195	855,219	51
10	95,0153	190,030	285,046	380,061	475,076	570,092	665,107	760,122	855,138	50
11	95,0062	190,012	285,018	380,025	475,031	570,037	665,044	760,050	855,056	49
12	94,9972	189,994	284,901	379,988	474,986	569,983	664,980	759,977	854,974	48
18	94,9881	189,976	284,964	379,952	474,940	569,928	664,916	759,905	854,893	47
14	94,9790	189,958	284,937	379,916	474,895	569,874	664,853	759,832	854,811	46
15	94,9699	189,939	284,909	379,879	474,849	569,819	664,789	759,759	854,729	45
16	94,9608	189,921	284,882	379,843	474,804	569,764	664,725	759,686	854,647	44
17	94,9516	189,903	284,855	379,806	474,758	569,710	664,661	759,613	854,565	43
18	94,9425	189,885	284,827	379,770	474,712	569,655	664,597	759,540	854,483	42
19	94,9334	189,866	284,800	379,733	474,667	569,600	664,533	759,467	854,400	41
20	94,9242	189,848	284,772	379,697	474,621	569,545	664,469	759,394	854,318	40
21	94,9151	189,830	284,745	379,660	474,575	569,490	664,405	759,320	854,236	39
22	94,9059	189,811	284,717	379,623	474,529	569,435	664,341	759,247	854,153	38
23	94,8967	189,793	284,690	379,587	474,483	569,380	664,277	759,174	854,071	37
24	94,8876	189,775	284,662	379,550	474,438	569,325	664,213	759,100	853,988	36
25	94,8784	189,756	284,635	379,513	474,392	569,270	664,149	759,027	853,905	35
26	94.8692	189,738	284,607	379,476	474,346	569,215	664,084	758,953	853,823	34
27	943600	189,720	284,580	379,440	474,300	569,160	664,020	758,880	853,740	33
28	94,8508	189,701	284,552	379,403	474,254	569,104	663,955	758,806	853,657	32
29	94,8416	189,683	284,524	379,366	474,208	569,049	663,891	758,732	853,574	31
30	94,8323	189,664	284,497	379,329	474,161	568,994	663,826	758,659	853,491	30
•	100	200	300	400	500	600	700	800	900	!
d	9	18	27	36	46	55	64	73	82	***ti***

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Ay 71° sin

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IOI	00	10	20	30	40	50	60	70	80	90	'/d	9	18	27	36	46	55	64	73	82
100	95	104	114	123	133	142	152	161	171	180	6	1	2	3	4	5	5	6	7	8
200	190	199	209	218	228	237	247	256	266	275	7	1	2	3	4	5	6	7	9	10
300	285	294	304	313	323	333	342	351	361	370	8	1	2	4	5	6	7	9	10	11
400	380	389	399	408	418	427	437	446	456	465	9	1	3	4	5	7	8	10	11	12
500	475	484	494	503	513	522	532	541	551	560	10	2	3	5	6	8	9	11	12	14
600	570	579	589	598	608	617	627	636	646	655	20	3	6	9	12	15	18	21	24	27
700	665	674	68f	693	703	712	722	731	741	750	30	5	9	14	18	23	27	32	36	41
800	760	769	779	788	798	807	817	826	836	845	40	6	12	18	24	30	86	43	49	55
900	855	864	874	883	893	902	912	921	931	940	50	8	15	23	30	38	46	53	61	68

'	100	200	300	400	500	600	700	800	900	
0	30,9017	61,803	92,705	123,606	154,508	185,410	216,311	247,213	278,115	60
1	30,9293	«1,858	92,788	123,717	154,646	185,576	216,505	247,435	278,364	59
2	30,9570	61,914	92,871	123.828	154,785	185,742	216,699	247,656	278,613	58
3	30,9846	61,969	92,954	123,938	154,923	185,908	216,892	247,877	278,862	57
4	31,0123	62,024	93,037	124,049	155,061	186,074	217,086	248,098	279,111	56
5	31,0400	62,080	93,120	124,160	155,200	186,240	217,280	248,320	279,360	55
6	31,0676	62,135	93,203	124,270	155,338	186,405	217,473	248,541	279,608	54
7	31,0953	62,190	93,285	124,381	155,476	186,571	217,667	248,762	279,857	53
8	31,1229	62,245	93,368	124,491	155,614	186,737	217,860	248,983	280,106	52
9	31,1505	62,301	93,451	124,602	155,752	186,903	218,054	249,204	280,355	51
10	31,1782	62,356	93,534	124,712	155,891	187,069	218,247	249,425	280,604	50
11	31,2058	62,411	93,617	124,823	156,029	187,235	218,441	249,646	280,852	49
12	31,2335	62,467	93,700	124,934	156,167	187,401	218,634	249,868	281,101	48
13	31,2611	62,522	93,783	125,044	156,305	187,566	218,827	250,089	281,350	47
14	31,2887	62,577	93,866	125,155	156,443	187,732	219,021	250,310	281,598	46
15	31,3163	62,632	93,949	125,265	156,582	187,898	219,214	250,531	281,847	45
16	31,3440	62,688	94,032	125,376	156,720	188,064	219,408	250,752	282,096	44
17	31,3716	62,743	94,114	125,486	156,858	188,229	219,601	250,973	282,344	43
18	31,3992	62,798	94,197	125,597	156,996	188,395	219,794	251,194	282,593	42
19	31,4268	62,853	94,280	125,707	157,134	188,561	219,988	251,415	282,841	41
20	31.4544	62,909	94,363	125,818	157,272	188,726	220,181	251,635	283,090	40
21	31,4820	62,964	94,446	125,928	157,410	188,892	220,374	251,856	283,338	39
22	31,5097	63,019	94,529	126,038	157,548	189,058	220,567	252,077	283,587	38
23	31,5373	63,074	94,612	126.149	157,686	189,223	220,761	252,298	283,835	3?
24	31,5649	63,129	94,694	126,259	157,824	189,389	220,954	252,519	284,084	3(6
25	31,5925	63,185	94,777	126,370	157,962	189,555	221,147	252,740	284,332	315
26	31,6201	63,240	94,860	126,480	158,100	189,720	221,340	252,960	284,581	34
27	31,6477	63,295	94,943	126,590	158,238	189,886	221,533	253,181	284,829	33
28	31,6753	63,350	95,025	126,701	158,376	190,051	221,727	253,402	285,077	32
29	31,7028	63,405	95,108	126,811	158,514	190,217	221,920	253,623	285,326	31
30	31,7304	63,461	95,191	126,921	158,652	190,382	222,113-	253,843	285,574	30

'	100	200	300	400	500	600	700	800	900	t
d	28	55	83	110	138	166	193	221	249	*d*

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MM	00	10	20	30	40	50	60	70	80	90
100	31	34	38	41	44	47	50	53	56	(JO
200	63	66	69	72	75	78	81	85	88	»1
300	94	97	100	103	106	110	113	116	119	1*2
400	125	128	132	135	138	141	144	147	150	163
500	157	160	163	166	169	172	175	179	182	«85
600	188	191	194	197	200	204	207	210	213	216
700	219	222	225	229	232	235	238	241	244	847
800	251	254	257	260	268	266	269	272	276	*tl* 79
900	282	285	288	291	294	298	301	304	307	310

'/*d*	28	55	83	110	138	166	193	221	249
6	3	6	8	11	14	17	19	22	25
7	3	6	10	13	16	19	23	26	29
8	4	7	11	15	18	22	26	29	33
9	4	8	12	17	21	25	29	33	37
10	5	9	14	18	23	28	32	37	41
20	9	18	28	37	46	55	64	74	83
30	14	28	41	55	69-	83	97	111	124
40	18	37	55	74	92	111	129	147	166
50	23	46	69	92	115	138	161	184	207

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	100	200	300	400	500	600	700	800	900	*1*
30	94,8323	189,664	284,497	379,329	474,161	568,994	663,826	758,659	853,491	30
31	94,8231	189,646	284,469	379,292	474,115	568,938	663,762	758,585	853,408	29
32	94,8138	189,627	284.441	379,255	474,069	568,883	663,697	758,511	853,325	28
33	94,8046	189,609	284,414	379,218	474,023	568,827	663,632	758,437	853,241	27
34	94,7953	189,590	284,386	379,181	473,977	568,772	663,567	758,363	853,158	26
35	94,7861	189,572	284,358	379,144	473,930	568,716	663,502	758,289	853,075	25
36	94,7768	189,553	284,330	379,107	473,884	568,661	663,437	758,214	852,991	24
37	94,7675	189,535	284,302	379,070	473,837	568,605	663,373	758,140	852,908	23
38	94,7582	189,516	284,274	379,033	473,791	568,549	663,307	758,066	852,824	22
39	94,7489	189,498	284,247	378,995	473,744	568,493	663,242	757,991	852,740	21
40	94.7396	189,479	284,219	378,958	473,698	568,438	663,177	757,917	852,657	20
41	94,7303	189,460	284,191	378,921	473,651	568,382	663,112	757,842	852,573	19
42	94,7210	189,442	284,163	378,884	473,605	568,326	663,047	757,768	852,489	18
43	94,7117	189,423	284,135	378,846	473,558	568,270	662,981	757,693	852,405	17
44	94,7023	189,404	284,107	378,809	473,511	568,214	662,916	757,618	852,321	16
45	94,6930	189,386	284,079	378,772	473,465	568,158	662,851	757,544	852,237	15
46	94,6836	189,367	284,051	378,734	473,418	568,102	662,785	757,469	852,153	14
47	94,6743	189,348	284,022	378,697	473,371	568,045	662,720	757,394	852,068	13
48	94,6649	189,329	283,994	378,659	473,324	567,989	662,654	757,319	851,984	12
49	94,6555	189,311	283,966	378,622	473,277	567,933	662,588	757,244	851,900	11
50	94,6461	189,292	283,938	378,584	473,230	567,877	662,523	757,169	851,815	10
51	94,6367	189,273	283,910	378,547	473,183	567,820	662,457	757,094	851,730	9
52	94,6273	189,254	283,882	378,509	473,136	567,764	662,391	757,019	851,646	8
53	94,6179	189,236	283,853	378,471	473,089	567,707	662,325	756,943	851,561	7
54	94,6085	189,217	283,825	378,434	473,042	567,651	662,259	756,868	851,476	6
55	94,5991	189,198	283,797	378,396	472,995	567,594	662,193	756,792	851,392	5
56	94,5896	189,179	283,769	378,358	472,948	567,538	662,127	756,717	851,307	4
57	94,5802	189,160	283,740	378,321	472,901	567,481	662,061	756,641	851,222	3
58	94,5707	189,141	283,712	378,283	472,854	567,424	661,995	756,566	851,137	2
59	94,5613	189,122	283,684	378,245	472,806	567,368	661,929	756,490	851,052	1
60	94,5518	189,103	283,655	378,207	472,759	567,311	661,863	756,414	850,966	0
'	100	200	300	400	500	600	700	800	900	'
d	9	19	28	37	47	56	65	75	84	*d*

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мм	00	10	20	30	40	50	60	70	80	90	*'Id*	9	19	28	37	47	56	65	75	84
100	95	104	114	123	133	142	152	161	170	180	6	1	2	3	4	5	6	7	7	8
200	189	199	208	218	227	237	246	256	265	275	7	1	2	3	4	5	6	8	9	10
300	284	294	303	312	322	331	341	350	360	369	8	1	2	4	5	6	7	9	10	11
400	379	388	398	407	417	426	436	445	455	464	9	1	3	4	6	7	8	10	11	13
500	473	483	492	502	511	521	530	540	549	559	10	2	3	5	6	8	9	11	12	14
600	568	578	587	597	606	616	625	634	644	653	20	3	6	9	12	16	19	22	25	28
700	663	672	682	691	701	710	720	729	739	748	30	5	9	14	19	23	28	33	37	42
800	758	767	776	786	795	805	814	824	833	843	40	6	12	19	25	31	37	44	50	56
900	852	862	871	881	890	900	909	919	928	937	50	8	16	23	31	39	47	55	62	70

$	100	200	300	400	500	600	700	800	900	'
30	31,7304	63,461	95,191	126,921	158,652	190,382	222,113	253,843	285,574	30
31	31,7580	63,516	95,274	127,032	158,790	190,548	222,306	254,064	285,822	29
32	31,7856	63,571	95,356	127,142	158,928	190,713	222,499	254,285	286,070	28
33	31,8132	63,626	95,439	127,252	159,066	190,879	222,692	254,505	286,318	27
34	31,8407	63,681	95,522	127,363	159,204	191,044	222,885	254,726	286,567	26
35	31,8683	63,736	95,605	127,473	159,341	191,210	223,078	254,946	286,815	25
36	31,8959	63,791	95,687	127,583	159,479	191,375	223,271	255,167	287,063	24
37	31,9235	63,847	95,770	127,694	159,617	191,541	223,4ß4	255,388	287,311	23
38	31,9510	63,902	95,853	127,804	159,755	191,706	223,657	255,608	287,559	22
39	31 9786	63,957	95,935	127,914	159,893	191,871	223,850	255,829	287,807	21
40	32,0061	64,012	96,018	128,024	160,031	192,037	224,043	256,049	288,055	20
41	32,0337	64,067	96,101	128,135	160,168	192,202	224,236	256,270	288,303	19
42	32,0613	64,122	96,183	128,245	160,306	192,367	224,429	256,490	288,551	18
43	32,0888	64,177	96,266	128,355	160,444	192,533	224,622	256,710	288,799	17
44	32,1164	64,232	96,349	128,465	160,582	192,698	224,814	256,931	289,047	16
45	32,1439	64,287	96,431	128,575	160,719	192,863	225,007	257,151	289,295	15
46	32,1715	64,343	96,514	128,686	160,857	193,029	225,200	257,372	289,543	14
47	32,1990	64,398	96,597	128,796	160,995	193,194	225,393	257,592	289,791	13
48	32,2265	64 ¡453	96,679	128,906	161,132	193,359	225,586	257,812	290,039	12
49	32,2541	64,508	96,762	129,016	161,270	193,524	225,778	258,032	290,287	11
50	32,2816	64,563	96,845	129,126	161,408	193,689	225,971	258,253	290,534	10
51	32,3091	64,618	96,927	129,236	161,545	193,855	226,164	258,473	290,782	9
52	32,3367	64,673	97,010	129,346	161,683	194,020	226,356	258,693	291,030	8
53	32,3642	64,728	97,092	129,456	161,821	194,185	226,549	258,913	291,278	7
54	32,3917	64,783	97,175	129,567	161,958	194,350	226,742	259,134	291,525	6
55	32,4192	64,838	97,257	129,677	162,096	194,515	226,934	259,354	291,773	5
56	32,4467	64,893	97,340	129,787	162,233	194,680	227.127	259,574	292,021	4
57	32,4743	64,948	97,422	129,897	162,371	194,845	227,320	259,794	292,268	3
58	32,5018	65,003	97,505	130,007	162,509	195,010	227,512	260,014	292,516	2
59	32,5293	65,058	97,588	130,117	162,646	195,175	227,705	260,234	292,763	1
60	32,5568	65,113	97,670	130,227	162,784	195,341	227,897	260,454	293,011	0

'	100	200	300	400	500	600	700	800	900	-
d	28	55	83	110	138	165	193	220	248	*d*

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MM	00	10	20	30	40	50	60	70	80	90
100	32	35	39	42	45	48	51	55	58	61
200	64	68	71	74	77	81	84	87	90	93
300	96	100	103	106	109	113	116	119	122	125
400	129	132	135	138	141	145	148	151	154	158
500	161	164	167	170	174	177	180	183	186	190
600	193	196	199	203	206	209	212	215	219	222
700	225	228	231	235	238	241	244	248	251	254
800	257	260	264	267	270	273	276	280	283	286
900	289	293	296	299	302	305	309	312	315	318

7*d*	28	55	83	110	138	165	193	220	248
6	3	в	8	11	14	17	19	22	25
7	4	6	10	13	16	19	22	26	29
8	4	7	12	15	18	22	26	29	33
9	5	8	14	17	21	25	29	33	37
10	5	9	14	18	23	28	32	37	41
20	9	1«	28	37	46	55	64	73	83
30	14	28	41	55	69	83	96	110	124
40	18	37	55	73	92	110	129	147	165
50	23	46	69	92	115	138	161	184	207

t	100	200	300	400	500	600	700	800	900	•
0	94,5518	189,103	283,655	378,207	472,759	567,311	661,863	756,414	850,966	60
1	94,5423	189,084	283,627	378,169	472,712	567,254	661,796	756,339	850,881	59
2	94,5329	189,065	283,598	378,131	472,664	567,197	661,730	756,263	850,796	58
3	94,5234	189,046	283,570	378,093	472,617	567,140	661,663	756,187	850,710	57
4	94,5139	189,027	283,541	378,055	472,569	567,083	661,597	756,111	850,625	56
5	94,5044	189,008	283,513	378,017	472,522	567,026	661,530	756,035	850,539	55
6	94,4948	188,989	283,484	377,979	472,474	566,969	661,464	755,959	850,454	54
7	94,4853	188,970	283,456	377,941	472,426	566,912	661,397	755,883	850,368	53
8	94,4758	188,951	283,427	377,903	472,379	566,855	661,330	755,806	850,282	52
9	94,4663	188,932	283,398	377,865	472,331	566,797	661,264	755,730	850,196	51
10	94,4567	188,913	283,370	377,827	472,283	566,740	661,197	755,654	850,110	50
11	94,4472	188,894	283,341	377,788	472,236	566,683	661,130	755,577	850,024	49
12	94,4376	188,875	283,313	377,750	472,188	566,625	661,063	755,501	849,938	48
13	94,4280	188,856	283,284	377,712	472,140	566,568	660,996	755,424	849,852	47
14	94,4184	188,837	283,255	377,674	472,092	566,511	660,929	755,347	849,766	46
15	94,4089	188,817	283,226	377,635	472,044	566,453	660,862	755,271	849,680	45
16	94,3993	188,798	283,198	377,597	471,996	586,395	660,795	755,194	849,593	44
17	94,3897	188,779	283,169	377,558	471,948	566,338	660,728	755,117	849,507	43
18	94,3801	188,760	283,140	377,520	471,900	566,280	660,666	755,040	849,420	42
19	94,3704	188,741	283,111	377,482	471,852	566,222	660,593	J54,963	849,334	41
20	94,3608	188,721	283,082	377,443	471,804	566,165	660,526	754,886	849,247	40
21	94,3512	188,702	283,053	377,404	471,756	566,107	660,458	754,809	849,161	39
22	94,3415	188,683	283,024	377,366	471,707	566,049	660,391	754,732	849,074	38
23	94,3319	188,663	282,995	377,327	471,659	565,991	660,323	754,655	848,987	37
24	94,3222	188,644	282,966	377,289	471,611	565,933	660,255	754,578	848,900	36
25	94,3126	188,625	282,937	377,250	471,563	565,875	660,188	754,500	848,813	35
26	94,3029	188,605	282,908	377,211	471,514	565,817	660,120	754,423	848,726	34
27	94,2932	188,586	282,879	377,173	471,486	565,759	660,052	754,346	848,639	33
28	94,2835	188,567	282,850	377,134	471,417	585,701	659,984	754,268	848,552	32
29	94,2738	188,547	282,821	377,095	471,369	565,643	659,917	754,190	848,464	31
30	94,2641	188,528	282,792	377,059	471,320	565,584	659,849	754,113	848,377	30
-	100	200	300	400	500	600	700	800	900	'
d	10	19	29	38	48	58	67	77	86	d

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HM	00	10	20	30	40	50	60	70	80	90	•¡d	10	19	29	38	48	58	67	77	86
100	94	104	113	123	132	142	151	160	170	179	6	1	2	3	4	5	6	7	8	9
200	189	198	208	217	227	236	245	255	264	274	7	1	2	3	4	6	7	8	9	10
300	283	293	302	312	321	330	340	349	359	368	8	1	3	4	5	6	8	9	10	12
400	378	387	397	406	415	425	434	444	453	463	9	1	3	4	6	7	9	10	12	13
500	472	481	491	500	510	519	529	538	548	557	10	2	3	5	6	8	10	11	13	14
600	566	576	585	595	604	614	623	633	642	651	20	3	6	10	13	16	19	22	26	29
700	661	670	680	689	699	708	718	727	736	746	30	5	10	14	19	24	29	34	38	43
800	755	765	7-74	784	793	802	812	821	831	840	40	6	13	19	26	32	38	45	51	58
900	850	859	869	878	887	897	906	916	925	935	50	8	16	24	32	40	48	56	64	72

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160°+

	100	200	300	- 400	500	600	700	800	900	
0	32,5568	65,113	97,670	130,227	162,784	195,340	227,897	260,454	293,011	60
1	32,5843	65,168	97,753	130,337	162,921	195,506	228,090	260,674	293,258	59
2	32,6118	65,223	97,835	130,447	103,059	195,671	228,282	260,894	293,506	58
3	32,6393	65,278	97,918	130,557	163,196	195,835	228,475	261,114	293,753	57
4	32,6668	65,333	98,000	130,6ß7	163,334	196,000	228,667	261,334	294,001	56
5	32,6943	65,388	98,083	130,777	163,471	196,165	228,860	261,554	294,248	55
6	32,7218	65,443	98,165	130,887	163,609	196,330	229,052	261,774	294,496	54
7	32,7492	65,498	98,247	130,997	163,746	196,495	229,245	261,994	294,743	53
8	32,7767	65,553	98,330	131,107	163,883	196,660	229,437	262,214	294,990	52
9	32,8042	65,608	98,412	131,217	164,021	196,825	229,629	262,434	295,238	51
10	32,8317	65,663	98,495	131,326	164,158	196,990	229,822	262,653	295,485	50
11	32,8592	65,718	98,577	131,436	164,296	197,155	230,014	262,873	295,732	49
12	32,8866	65,773	98,660	131,546	164,433	197,320	230,206	263,093	295,980	48
13	32,9141	65,828	98,742	131,656	164,570	197,484	230,399	263,313	296,227	47
14	32,9416	65,883	98,824	131,766	164,708	197,649	230,591	263,532	296,474	46
15	32,9690	65,938	98,907	131,876	164,845	197,814	230,783	263,752	296,721	45
16	32,9965	65,993	98,989	131,986	164,982	197,979	230,975	263,972	296,968	44
17	33,0239	66,048	99,072	132,096	165,120	198,144	231,167	264,191	297,215	43
18	33,0514	66,102	99,154	132,205	165,257	1.98,308	231,360	264,411	297,463	42
19	33,0789	66,157	99,236	132,315	165,394	.198,473	231,552	264,631	297,710	41
20	33,1063	66,212	99,319	132,425	165,531	198,638	231,744	264,850	297,957	40
21	33,1338	66,267	99,401	132,535	165,669	198,802	231,936	265,070	298,204	39
22	33,1612	66,322	99,483	132,645	165,806	198,967	232,128	265,289	298,451	38
23	33,1886	66,377	99,566	132,754	165,943	199,132	232,320	265,509	298,698	37
24	33,2161	66,432	99,648	132,864	166,080	199,296	232,512	265,729	298,945	36
25	33,2435	66,487	99,730	132,974	166,217	199,461	232,704	265,948	299,192	35
26	33,2709	66,542	99,813	133,084	166,355	199,626	232,896	266,167	299,438	34
27	33,2984	66,596	99,895	133,193	166,492	199,790	233,089	266,387	299,685	33
28	33,3258	66,651	99,977	133,303	166,629	199,955	233,280	266,606	299,932	32
29	33,3532	66,706	100,059	133,413	166,766	200,119	233,472	266,826	300,179	31
30	33,3806	66,761	100,142	133,522	166,903	200,284	233,664	267,045	300,426	30
	100	200	300	400	500	600	700	800	900	'
d	27	55	82	110	137	165	192	220	247	*d*

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100	33	36	40	43	46	49	53	56	59	63
200	66	69	73	76	79	82	86	89	92	96
300	99	102	106	109	112	115	119	122	125	,129
400	132	135	138	142	145	148	152	155	158	162
500	165	168	171	175	178	181	185	188	191	195
600	198	201	204	208	211	214	218	221	224	227
700	231	234'	237	241	244	247	251	254	257	260
800	264	267	2Î0	274	277	280	284	287	290	293
900	297	300	303	307	310	313	317	320	323	326

7 *d*	27	55	82	110	137	165	192	220	247
6	3	5	8	11	14	ltf'	19	22	25
7	3	6	10	13	16	19	22	26	29
8	4	7	11	15	18	22	26	29	33
9	4	8	12	16	21	25	29	33	37
10	5	9	14	18	23	27	32	37	41
20	9	18	27	37	46	55	64	73	82
30	14	27	41	55	69	82	96	110	124
40	18	37	55	73	92	110	128	146	165
50	23	46	69	92	114	137	160	183	206

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-	100	200	300	400	500	600	700	800	900	t
30	94,2641	188,528	282,792	377,056	471,320	565,584	659,849	754,113	848,377	30
31	94,2544	188,508	282,763	377,017	471,272	565,526	659,781	754,035	848,290	29
32	94,2447	188,489	282,734	376,978	471,223	565,468	659,713	753,957	848,202	28
33	94,2349	188,470	282,705	376,940	471,175	565,409	659,644	753,879	848,114	27
34	94,2252	188,450	282,675	376,901	471,126	565,351	659,576	753,802	848,027	26
35	94,2155	188,431	282,646	376,862	471,077	565,293	659,508	753,724	847,939	25
36	94,2057	188,411	282,617	376,823	471,028	505,234	659,440	753,646	847,851	24
37	94,1959	188,392	282,588	376,784	470,980	565,175	659,371	753,567	847,763	23
38	94,1862	188,372	282,558	376,744	470,931	565,117	659,303	753,489	847,676	22
39	94,1764	188,352	282,52a	376,705	470,882	565,058	659,235	753,411	847,588	21
40	94,1666	188,333	282,500	376,666	470,833	564,999	659 166	753,333	847,499	20
41	94,1568	188,313	282,470	376,627	470,784	564,941	659,098	753,254	847,411	19
42	94,1470	188,294	282,441	376,588	470,735	564,882	659,029	753,176	847,323	18
43	94,1372	188,274	282,411	376,549	470,686	564,823	658,960	753,098	847,235	17
44	94,1274	188,254	282,382	376,509	470,637	564,764	658,892	753,019	847,146	16
45	94,1176	188,235	282,352	376,470	470,588	564,705	658,823	752,940	847,058	15
46	94,1077	188,215	282,323	376,431	470,538	564,646	658,754	752,862	846,970	14
47	94,0979	188,195	282,293	376,391	470,489	564,587	658,685	752,783	846,881	13
48	94,0880	188,176	282,264	376,352	470,440	564,528	658,616	752,704	846,792	12
49	94,0782	188,156	282,234	376,312	470,391	564,469	658,547	752,625	846,704	11
50	94,0683	188,136	282,205	376,273	470,341	564,410	658,478	752,546	846;615	10
51	94,0584	188,117	282,175	376,234	470,292	564,350	658,409	752,467	846,526	9
52	94,0486	188,097	282,145	376,194	470,243	564,291	658,340	752,388	846,437	8
53	94,0387	188,077	282,116	376,154	470,193	564,232	658,271	752,309	846,348	7
54	94,0288	188,057	282,086	376,115	470,144	564,172	658,201	752,230	846,259	6
55	94,0189	188,037	282,056	376,075	470,094	564,113	658,132	752,151	846,470	5
56 ■	94,0090	188,018	282,027	376,036	470,045	564,054	658,063	752,072	846,081	4
57	93,9990	187,998	281,997	375,996	469,995	563,994	657,993	751,992	845,991	3
58	93,9891	187,978	281,967	375,956	469,945	563,934	657,924	751,913	845,902	2
59	93,9792	187,958	281,937	375,916	469,896	563,875	657,854	751,833	845,812	1
60	93,9692	187,938	281,907	375,877	469,846	563,815	657,784	751,754	845,723	0

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100	94	104	113	122	132	141	151	160	169	179	6	1	2	3	4	5	6	7	8	9
200	188	198	207	216	226	235	245	254	264	273	7	1	2	3	5	6	7	8	9	10
300	282	292	301	311	320	329	339	348	358	367	8	1	3	4	5	7	8	9	10	12
400	376	386	395	405	414	424	433	442	452	461	9	1	3	4	6	7	9	10	12	13
500	471	480	489	499	508	518	527	536	546	555	10	2	3	5	7	8	10	11	13	15
600	565	574	584	593	602	642	621	631	640	649	20	3	7	10	13	16	20	23	26	30
700	659	668	678	687	696	706	715	725	734	744	30	5	10	15	20	25	30	34	39	44
800	753	762	772	781	791	800	809	819	828	838	40	7	13	20	26	33	39	46	52	59
900	847	856	866	875	885	894	90Í	913	922	932	50	8	16	25	33	41	49	57	66	74

t	100	200	300	400	500	600	700	800	900	•
30	33,3806	66,761	100,142	133,522	166,903	200,284	233,664	267,045	300,426	30
31	33,4081	66,816	100,224	133,632	167,040	200,448	233,856	267,264	300,673	29
32	33,4355	66,871	100,306	133,742	167,177	200,613	234,048	267,484	300,919	28
33	33,4629	66,925	100,388	133,851	167,314	200,777	234,240	267,703	301,166	27
34	33,4903	66,980	100,471	133,961	167,451	200,942	234,432	267,922	301,413	26
35	33,5177	67,035	100,553	134,071	167,588	201,106	234,624	268,142	301,659	25
36	33,5451	67,090	100,635	134,180	167,725	201,271	234,816	268,361	301,906	24
37	33,5725	67,145	100,717	134,290	167,862	201,435	235,008	268,580	302,153	23
38	33,5999	67,200	100,799	134,399	167,999	201,599	235,199	268,799	302,399	22
39	33,6273	67,254	100,882	134,509	168,136	201,764	235,391	269,018	302,646	21
40	33,6547	67,309	100,964	134,619	168,273	201,928	235,583	269,238	302,892	20
41	33,6821	67,364	101,046	134,728	168,410	202,092	235,775	269,457	303,139	19
42	33,7095	67,419	101,128	134,838	168,547	202,257	235,966	269,676	303,385	18
43	33,7369	67,473	101,210	134,947	168,684'	202,421	236,158	269,895	303,632	17
44	33,7643	67,528	101,292	135,057	168,821	202,585	236,350	270,114	303,878	16
45	33,7916	67,583	101,375	135,166	168,958	202,750	236,541	270,333	304,125	15
46	33,8190	67,638	101,457	135,276	169,095	202,914	236,733	270,552	304,371	14
47	33,8464	67,692	101,539	135,385	169,232	203,078	236,925	270,771	304,617	13
48	33,8738	67,747	101,621	135,495	169,369	203,242	237,116	270,990	304,864	12
49	33,9011	67,802	101,703	135,604	169,505	203,407	237,308	271,209	305,110	11
50	33,9285	67,857	101,785	135,714	169,642	203,571	237,499	271,428	305,356	10
51	33,9558	67,911	101,867	135,823	169,779	203,735	237,691	271,647	305,603	9
52	33,9832	67,966	101,949	135,933	169,916	203,899	237,882	271,866	305,849	8
53	34,0106	68,021	102,031	136,042	170,053	204,063	238,074	272,084	306,095	7
54	34,0379	68,076	102,113	136,151	170,189	204,227	238,265	272,303	306,341	6
55	34,0653	68,130	102,196	136,261	170,326	204,391	238,457	272,522	306,587	5
56	34,0926	68,185	102,278	136,370	170,463	204,556	238,648	272,741	306,833	4
57	34,1200	68,240	102,360	136,480	170,600	204,720	238,840	272,960	307,080	3
58	34,1473	68,294	102,442	136,589	170,736	204,884	239,031	273,178	307,326	2
59	34,1746	68,349	102,524	136,698	170,873	205,048	239,222	273,397	307,572	1
60	34,2020	68,404	102,606	136,808	171,010	205,212	239,414	273,616	307,818	0
s	100 1	200	300	400	500	600	700	800	900	'
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100	34	37	41	44	47	51	54	57	61	64
200	68	71	74	78	81	84	88	91	95	98
300	101	105	108	112	115	118	122	125	128	132
400	135	139	142	145	149	152	155	159	162	166
500	169	172	176	179	182	186	189	193	196	199
600	203	206	210	213	216	220	223	226	230	233
700	237	240	243	247	250	253	257	260	264	267
800	270	274	277	280	284	287	291	294	297	301
900	304	308	311	314	318	321	324	328	331	335

"/d	27	55	82	110	137	164	192	219	246
6	3	5	8	11	14	16	19	22	25
7	3	6	10	13	16	19	22	26	29
8	4	7	11	15	18	22	2«	29	33
9	4	8	12	16	21	25	29	33	37
10	5	9	14	18	23	27	:s2	36	41
20	9	18	27	36	46	55	64	73	82
30	14	27	41	55	68	8?,	96	109	123
40	18	36	55	73	91	109	128	146	164
50	23	46	68	91	114	137	160	182	205

'	100	200	300	400	500	600	700	800	900	'
0	93,9692	187,938	281,907	375,877	469,846	563,815	657,784	751,754	845,723	60
1	93,9593	187,918	281,878	375,837	469,796	563,755	657,715	751,674	845,633	59
2	93,9493	187,898	281,848	375,797	4(19,746	563,696	657,645	751,594	845,544	58
3	93,9393	187,878	281,818	375,757	469;696	563,636	657,575	751,515	845,454	57
4	93,9294	187,858	281,788	375,717	469,647	563,576	657,505	751,435	845,364	56
5	93,9194	187,838	281,758	375,677	469,597	563,516	657,436	751,355	845,274	55
в	93,9094	187,818	281,728	375,637	469,547	563,456	657,386	751,275	845,184	54
7	93,8994	187,788	281,698	375,597	469,497	583,396	657,296	751,155	845,094	53
8	93,8894	187,778	281,668	375,557	469,447'	563,336	657,226	751,115	845,004	52
9	93,8794	187,758	281,638	375,517	469,397	563,276	657,155	751,035	844,914	51
10	93,8693	187,738	281,608	375,477	469,346	563,216	657,085	750,955	844,824	50
11	93,8593	187,718	281,578	375,437	469,296	563,156	657,015	750,874	844,734	49
12	93,8493	187,698	281,548	375,397	469,246	563,095	656,945	750,794	844,843	48
13	93,8392	187,678	281,517	375,357	469,196	563,035	656,874	750,714	844,553	47
14	93,8292	187,658	281,487	375,316	469,146	562,975	656,804	750,633	844,462	48
15	93,8191	187,838	281,457	375,278	469,095	562,914	656,734	750,553	844,372	45
16	93,8090	187,618	281,427	375,238	469,045	562,854	658,663	750,472	844,281	44
17	93,7989	187,598	281,397	375,196	468,995	562,793	656,592	750,391	844,190	43
18	93,7889	187,577	281,363	375,155	468,944	562,733	656,522	750,311	844,100	42
19	93,7788	187,557	281,336	375,115	468,894	562,672	656,451	750,230	844,009	41
20	93,7687	187,537	281,306	375,074	468,843	562,612	656,380	750,149	843,918	40
21	93,7586	187,517	281,275	375,034	468,793	562,551	656,310	750,068	843,827	39
22	93,7484	187,497	281,245	374,993	468,742	562,490	656,239	749,987	843,736	38
23	93,7383	187,476	281,215	374,953	468,691	562,430	656,168	749,906	843,645	37
24	93,7282	187,456	281,184	374,912	468,641	562,369	658,097	749,825	843,553	38
25	93,7180	187,436	281,154	374,872	468,590	562,308	656,026	749,744	843,462	35
26	93,7079	187,415	281,123	374,831	468,539	562,247	655,955	749,663	843,371	34
27	93,6977	187,395	281,093	374,791	468,488	562,186	655,884	749,582	843,279	33
28	93,6875	187,375	281,062	374,750	463,437	562,125	655,813	749,500	843,188	32
29	93,6774	187,354	281,032	374,709	468,387	• 562,064	655,741	749,419	843,096	31
30	93,6672	187,334	281,001	374,668	468,336	562,003	655,670	749,337	843,005	30

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100	94	103	ИЗ	122	131	141	150	159	169	178	8	1	2	3	4	5	в	7	8	9
200	188	197	206	216	225	235	244	253	263	272	7	1	2	4	5	6	7	8	9	И
300	281	291	300	310	319	328	338	347	357	366	8	1	3	4	5	7	8	9	11	12
400	375	385	394	403	413	422	432	441	450	460	9	2	3	5	6	8	9	И	12	14
500	469	478	488	497	507	516	525	535	544	554	10	2	3	5	7	8	10	12	13	15
воо	563	572	582	591	600	610	619	629	638	647	20	3	7	10	13	17	20	24	27	30
700	657	666	675	685	694	704	713	722	732	741	30	5	10	15	20,	25	30	35	40	45
800	751	760	769	779	788	797	807	816	826	835	40	7	13	20	27	34	40	47	54	61
900	844	854	863	873	882	891	901	910	919	929	50	8	17	25	34	42	50	59	67	76

'	100	200	300	400	500	600	700	800	900	-■ ■
0	34,2020	68,404	102,606	136,808	171,010	205,212'	239,414	273,616	307,818	60
1	34,2293	68,458	102,688	136,917	171,146	205,376	239,605	273,834	308,064	59
2	34,2566	0ß,513	102,770	137,026	171,283	205,540	239,796	274,053	308,310	58
3	34,2840	68,568	102,852	137,136	171,420	205,704	239,988	274,272	308,556	57
4	34,3113	68,622	102,934	137,245	171,556	205,868	240,179	274,490	308,802	56
5	34,3386	68,677	103,016	137,354	171,693	206,032	240,370	274,709	309,047	55
6	34,3659	68j732	103,098	137,463	171,829	206,195	240,561	274,927	309,293	54
7	34,3932	68,786	103,179	137,573	171,966	206,359	240,753	275,146	309,539	53
8	34,4206	68,841	103,261	137,682	172,103	206,523	240,944	275,364	309,785	52
9	34,4479	68,895	103,343	137,791	172,239	206,687	241,135	275,583	310,031	51
10	34,4752	68,950	103,425	137,900	172,376	206,851	241,326	275,801	310,277	50
11	34,5025	69,005	103,507	138,010	172,512	207,015	241,517	276,020	310,522	49
12	34,5298	69,059	103,589	138,119	172,649	207,179	241,708	276,238	310,768	48
13	34,5571	69,114	103,671	138,228	172,785	207,342	241,899	276,457	311,014	47
14	34,5844	69,168	103,753	138,337	172,922	207,506	242,091	276,675	311,259	46
15	34,6117	69,223	103,835	138,446	173,058	207,670	242,282	276,893	311,505	45
16	34,6390	69,278	103,917	138,556	173,195	207,834	242,473	277,112	311,751	44
17	34,6662	69,332	103,998	138,665	173,331	207,997	242,664	277,330	311,996	43
18	34,6935	69,387	104,080	138,774	173,467	208,161	242,855	277,548	312,242	42
19	34,7208	69,441	104,162	138,883	173,604	208,325	243,046	277,766	312,487	41
20	34,7481	69,496	104,244	138,992	173,740	208,488	243,236	277,985	312,733	40
21	34,7754	69,550	104,326	139,101	173,877	208,652	243,427	278,203	312,978	39
22	34,8026	69,605	104,408	139,210	174,013	208,816	243,618	278,421	313,224	38
23	34,8299	69,659	104,489	139,319	174,149	208,979	243,809	278,639	313,469	37
24	34,8572	69,714	104,571	139,428	174,286	209,143	244,000	278,857	313,714	36
25	34,8844	69,769	104,653	139,537	174,422	209,306	244,191	279,075	313.960	35 .
26	34,9117	69,823	104,735	139,647	174,558	209,470	244,382	279,293	314,205	34
27	34,9389	69,878	104,817	139,756	174,695	209,634	244,573	279,514	314,450	33
28	34,9662	69,932	104,898	139,865	174,831	209,797	244,763	279,730	314,696	32
29	34,9935	69,987	104,980	139,974	174,967	209,961	244,954	279,948	314,941	31
30	35,0207	70,041	105,062	140,083	175,103	210,124	245,145	280,166	315,186	30
•	100	200	300	400	500	600	700	800	900	■ -
d	27	55	82	109	136	164	191	218	246	*d*

мм	00	10	20	30	40	50	60	70	80	90
100	35	38	42	45	48	52	55	59	62	66
200	69	73	76	80	83	87	90	93	97	100
300	104	107	111	114	118	121	125	128	132	135
400	138	142	145	149	152	156	159	163	166	170
500	173	177	180	183	187	190	194	197	201	204
600	208	211	215	218	222	225	228	232	235	239
700	242	246	249	253	256	260	263	267	270	273
800	277	280	284	287	291	294	298	301	305	308
900	312	315	318	322	325	329	332	336	339	343

'Id	27	55	82	109	136	164	191	218	246
6	3	5	8	11	14	16	19	22	25
7	3	6	10	13	16	19	22	25	29
8	4	7	11	15	18	22	25	29	33
9	4	8	12	16	20	25	29	33	37
10	5	9	14	18	23	27	32	36	41
' 20	9	18	27	36	46	55	64	73	82
30	14	27	41	55	68	82	96	109	123
40	18	36	55	73	91	109	127	146	164
50	23	46	68	91	114	137	159	182	205

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»	100	200	300	400	500	600	700	800	900	'
30	93,6672	187,334	281,001	374,668	468,336	562,003	655,670	749,337	843,005	30
31	93,6570	187,314	280,971	374,628	468,285	561,942	655,599	749,256	842,913	29
32	93,6468	187,293	280,940	374,587	468,234	561,881	655,527	749,174	842,821	28
33	93,6366	187,273	280,909	374,546	468,183	561,819	655,456	749,093	842,729	27
34	93,6264	187,252	280,879	374,505	468,132	561,758	655,384	749,011	842,637	26
35	93,6161	187,232	280,848	374,464	468,081	561,697	655,313	748,929	842,545	25
36	93,6059	187,21-2	280,817	374,423	468,029	561,635	655,241	748,847	842,453	24
37	93,5957	187,191	280,787	374,382	467,978	561,574	655,170	748,765	842,361	23
38	93,5854	187,171	280,756	374,341	467,927	561,512	655,098	748,683	842,269	22
39	93,5752	187,150	280,725	374,300	467,876	561,451	655,026	748,601	842,177	21
40	93,5649	187,130	280,694	374,259	467,824	561,389	654,954	748,519	842,084	20
41	93,5546	187,109	280,664	374,218	467,773	561,328	654,882	748,437	841,992	19
42	93,5444	187,088	280,633	374,177	467,722	561,266	654,810	748,355	841,899	18
43	93,5341	187,068	280,602	374,136	467,670	561,204	654,738	748,273	841,807	17
44	93,5238	187,047	280,571	374,095	467,619	561,143	654,666	748,190	841,714	16
45	93,5135	187,027	280,540	374,054	467,567	561,081	654,594	748,108	841,621	15
46	93,5032	187,006	280,509	374,012	467,516	561,019	654,522	748,025	841,528	14
47	93,4929	186,985	280,478	373,971	467,464	560,957	654,450	747,943	841,436	13
48	93,4825	186,965	280,447	373,930	467,412	560,895	654,378	747,860	841,343	12
49	93,4722	186,944	280,416	373,889	467,361	560,833	654,305	747,777	841,250	И
50	93,4619	186,923	280,385	373,847	467,309	560,771	654,233	747,695	841,157	10
51	93,4515	186,903	280,354	373,806	467,257	560,709	654,160	747,612	841,063	9
52	93,4411	186,882	280,323	373,764	467,206	560,647	654,088	747,529	840,970	8
53	93,4308	186,861	280,292	373,723	467,154	560,585	654,015	747,446	840,877	7
54	93,4204	186,840	280,261	373,681	467,102	560,522	653,943	747,363	840,784	6
55	93,4100	186,820	280,230	373,640	467,050	560,460	653,870	747,280	840,690	5
56	93,3996	186,799	280,199	373,598	466,998	560,398	653,797	747,197	840,597	4
57	93,3892	186,778	280,167	373,557	466,946	560,335	653,725	747,114	840,503	3
58	93,3788	186,757	280,136	373,515	466,894	560,273	653,652	747,031	840,409	2
59	93,3684	186,737	280,105	373,473	466,842	560,210	653,579	746,947	840,316	1
60	93,3580	186,716	280,074	373,432	466,790	560,148	653,506	746,864	840,222	0

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	100	200	300	400	500	600	700	800	900	ē
d	10	21	31	41	52	62	72	82	93	*d*

+110° —290° A *y* 69° SIS 69°+ 249°—

MUT	00	10	20	30	40	50	60	70	80	90	7 *d*	1C	21	31	41	52	62	72	82	93
100	94	103	112	122	131	140	150	159	168	17b	6	1	2	3	4	5	b	7	8	9
200	187	ISb	206	215	224	234	243	252	262	271	7	1	2	4	5	6	7	8	10	11
300	281	290	299	309	318	327	337	346	355	365	8	1	3	4	6	7	8	10	11	12
400	374	383	393	402	411	421	430	440	449	458	9	2	3	5	6	8	9	11	12	14
500	468	477	486	496	505	514	524	533	542	562	10	2	3	5	7	9	10	12	14	15
600	561	570	580	589	598	608	617	627	636	b Í5	20	3	7	10	14	17	21	24	28	31
700	655	«64	673	683	692	701	711	720	729	739	30	5	10’	15	21	26	31	3b	41	46
800	748	757	767	776	786	795	804	814	823	832	40	7	14	21	28	34	41	48	55	62
900	842	851	8Ö0	870	879	888	898	907	916	926	50	9	17	26	34	43	52	60	69	77

/	100	200	300	400	500	600	700	800	900	Г
30	35,0207	70,041	105,062	140,083	175,103	210,124	245,145	280,166	315,186	30
31	35,0479	70,096	105,144	140,192	175,240	210,287	245,335	280,383	315,431	29
32	35,0752	70,150	105,225	140,301	175,376	210,451	245,526	280,601	315,677	28
33	35,1024	70,205	105,307	140,409	175,512	210,614	245,717	280,819	315,922	27
34	35,1297	70,259	105,389	140,518	175,648	210,778	245,908	281,037	316,167	26
35	35,1569	70,313	105,470	140,627	175,784	210,941	246,098	281,255	316,412	25
36	35,1841	70,368	105,552	140,736	175,920	211,105	246,289	281,473	316,657	24
37	35,2114	70,422	105,634	140,845	176,057	211,268	246,479	281,691	316,902	23
38	35,2386	70,477	105,715	140,954	176,193	211,431	246,670	281,909	317,147	22
39	35,2658	70,531	105,797	141,063	176,329	211,595	246,860	282,126	317,392	21
40	35,2930	70,586	105,879	141,172	176,465	211,758	247,051	282,344	317,637	20
41	35,3202	70,640	105,960	141,281	176,601	211,921	247,242	282,562	317,882	19
42	35,3474	70,695	106,042	141,390	176,737	212,085	247,432	282,779	318,127	18
43	35,3747	70,749	106,124	141,498	176,873	212,248	247,622	282,997	318,372	17
44	35,4019	70,803	106,205	141,607	177,009	212,411	247,813	283,215	318,617	16
45	35,4291	70,858	106,287	141,716	177,145	212,574	248,003	283,432	318,862	15
46	35,4563	70,912	106,369	141,825	177,281	212,737	248,194	283,650	319,106	14
47	35,4835	70,967	106,450	141,934	177,417	212,901	248,384	283,868	319,351	13
48	35,5107	71,021	106,532	142,042	177,553	213,064	248,574	284,085	319,596	12
49	35,5378	71,075	106,613	142,151	177,689	213,227	248,765	284,303	319,841	11
50	35,5650	71,130	106,695	142,260	177,825	213,390	248,955	284,520	320,085	10
51	35,5922	71,184	106,776	142,369	177,961	213,553	249,145	284,738	320,330	9
52	35,6194	71,238	106,858	142,477	178,097	213,716	249,336	284,955	320,575	8
53	35,6466	71,293	106,939	142,586	178,233	213,879	249,526	285,173	320,819	7
54	35,6738	71,347	107,021	142,695	178,369	214,042	249,716	285,390	321,064	6
55	35,7009	71,402	107,103	142,804	178,504	214,205	249,906	285,607	321,308	5
56	35,7281	71,456	107,184	142,912	178,640	214,368	250,097	285,825	321,553	4
57	35,7553	71,510	107,266	143,021	178,776	214,531	250,287	286,042	321,797	3
58	35,7824	71,565	107,347	143,130	178,912	214,694	250,477	286,259	322,042	2
59	35,8096	71,619	107,429	143,238	179,048	214,857	250,667	286,477	322,286	1
60	35,8368	71,673	107,510	143,347	179,184	215,020	250,857	286,694	322,531	0

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/ ■	100	200	300	400	500	600	700	800	900	!
d	27	54	82	109	136	163	190	218	245	d

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im	00	10	20	30	40	50	60	70	80	90
100	35	39	43	46	50	53	57	60	64	67
200	71	74	78	81	85	89	92	96	99	103
dOO	10b	110	113	117	120	124	128	131	135	138
400	142	145	149	152	156	159	163	167	170	174
500	*Ui*	181	184	188	191	195	198	202	205	209
bOO	*2U*	216	220	223	227	230	234	237	241	244
700	248	252	255	259	262	266	269	273	276	280
UDO	283	287	291	294	298	301	305	308	312	315
900	319	322	326	329	333	337	340	344	347	351

'/d	27	54	82	109	136	163	190	218	245
6	3	5	8	11	14	16	19	22	24
7	3	6	10	13	16	19	22	25	29
8	4	7	11	15	18	22	25	29	33
9	4	8	1?	16	?0	24	29	33	37
10	5	9	14	18	23	27	32	36	41
20	Я	18	?,7	36	45	54	63	73	8?
30	14	27	41	54	68	82	95	109	122
40	18	3«	54	73	91	109	127	145	163
50	23	45	68	91	113	136	159	181	204

—201°
•+21°
i

cos 21° *Ax*

338°+
158°—
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-	100	200	300	400	500	600	700	800	900	-
0	93,3580	186,716	280,074	373,432	466,790	560,148	653,506	746,864	840,222	60
1	93,3476	186,695	280,042	373,390	466,738	560,085	653,433	746,781	840,128	59
2	93,3371	180,674	280,011	373,348	466,685	560,023	653,360	746,697	840,034	58
3	93,3267	186,653	279,980	373,307	466,633	559,960	653 ¡287	746,613	839,940	57
4	93,3162	186,632	279,948	373,265	466,581	559,897	653,214	746,530	839,846	56
5	93,3058	186,611	279,917	373,223	466,529	559,835	653,140	746,446	839,752	55
6	93,2953	186,590	279,886	373,181	466,476	559,772	653,067	746,362	839,658	54
7	93,2848	186,569	279,854	373,139	466,424	559,709	652,994	746,279	839,563	53
8	93,2744	186,548	279,823	373,097	466,372	559,646	652.920	746,195	839,469	52
9	93,2639	186,527	279,791	373,055	466,319	559,583	652,847	746,111	839,375	51
10	93,2534	186,506	279,760	373,013	466,267	559,520	652,773	746,027	839,280	50
11	93,2429	186,485	279,728	372,971	466,214	559,457	652,700	745,943	839,186	49
12	03,2323	186,464	279,697	372,929	466,161	559,394	652,626	745,859	839,091	48
13	93,2218	186,443	279,665	372,887	466,109	559,331	652,553	745,774	838,996	47
14	93,2113	186,422	279,634	372,845	466,056	559,268	652,479	745,690	838,902	46
15	93,2007	186,401	279,602	372,803	466,004	559,204	652,405	745,606	838,807	45
16	93,1902	186,380	279,570	372,761	465,951	559,141	652,331	745,522	838,712	44
17	93,1796	186359	279,539	372,718	465,898	559,078	652,257	745,437	838,617	43
18	93,1691	186,338	279,507	372,676	465,845	559,014	652,183	745,353	838 522	42
19	93,1585	186,317	279,475	372,634	465,792	558,951	652,109	745,268	838,427	41
20	93,1479	186,296	279,444	372,591	465,739	558,887	652,035	745,183	838,331	40
21	93,1373	186,274	279,412	372,549	465,687	558,824	651,961	745,099	838,236	39
22	93,1268	186,253	279,380	372,507	465,634	558,760	651,887	745,014	838,141	38
23	93,1162	186,232	279,348	372,464	465,581	558,f>97	651,813	744,929	838,045	37
24	93,1055	186,211	279,316	372,422	465,528	558,633	651,739	744,844	837,950	36
25	93,0949	186,190	279,284	372,379	465,474	558,569	651,664	744,759	837,854	35
26	93,0843	186,168	279,253	372,337	465,421	558,506	651,590	744,674	837,759	34
¿7	93,0737	186,147	279,221	372,294	465,368	558,442	651,516	744,589	837,663	33
28	93,0630	186,126	279,189	372,252	465,315	558,378	651,441	744,504	837,567	32
29	93,0524	186,104	279,157	372,209	465,262	558,314	651,366	744,419	837,471	31
30	93,0417	186,083	279,125	372,167	465,208	558,250	651,292	744,334	837,375	30

-	100	200	300	400	500	OOO	700	800	900	-
d	»	21	32	*42*	53	*63*	74	84	95	*d*

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—291°

Ay 68° sin

68°+
248°-

Ш	00	10	20	30	40	50	60	70	80	90	"*Id*	11	21	32	42	53	63	74	84	95
100	93	103	112	121	130	140	149	158	168	177	6	1	2	3	4	5	6	7	8	10
200	186	196	205	214	224	233	242	252	261	270	7	1	2	4	4	6	7	9	10	11
300	280.	289	298	308	317	326	336	345	354	363	8	1	3	4	5	7	8	10	11	13
400	373	382	391	401	410	419	429	438	447	457	9	2	3	5	6	8	10	11	13	14
500	466	475	485	494	503	513	522	531	541	550	10	2	4	5	7	9	11	12	14	16
600	559	569	578	587	596	606	615	624	634	643	20	4	7	11	14	18	21	25	28	32
700	652	662	671	680	690	699	708	718	727	736	30	5	11	16	21	26	32	37	42	48
800	746	755	764	774	783	792	802	811	820	829	40	7	14	21	28	35	42	49	56	63
900	839	■848	857	867	876	885	895	904	913	923	50	9	18	26	35	44	53	62	70	79

	100	200	300	400	500	600	700	800	900	
ü	35,8368	71,673	107,510	143,347	179,184	215,020	250,857	286,694	322,531	60
1	35,8639	71,727	107,591	143,455	179,319	215,183	251,047	286,911	322,775	59
2	35,8911	71,782	107,673	143,564	179,455	215,346	251,237	287,128	323,020	58
3	35,9182	71,838	107,754	143,673	179,591	215,509	251,427	287,346	323,264	57
4	35,9454	71,890	107,838	143,781	179,727	215,672	251,617	287,563	323,508	56
5	35,9725	71,945	107,917	143,890	179,862	215,835	251,807	287,780	323,752	55
6	35,9996	71,999	107,999	143,998	179,998	215,998	251,997	287,997	323,997	54
7	36,0268	72,053	108,080	144,107	180,134	216,161	252,187	288,214	324,241	53
8	36,0539	72,108	108,161	144,215	180,269	216,323	252,377	288,431	324,485	52
9	36,0810	72,162	108,243	144,324	180,405	216,486	252,567	288,648	324,729	51
10	36,1082	72,216	108,324	144,432	180,541	216,649	252,757	288,865	324,973	50
11	36,1353	72,270	108,406	144,541	180,676	216,812	252,947	289,082	325,218	49
12	36,1624	72,325	108,487	144,649	180,812	216,974	253,137	289,299	325,462	48
13	36,1895	72,379	108,568	144,758	180,947	217,137	253,327	289,516	325,706	47
14	36,2167	72,433	108,650	144,866	181,083	217,300	253,516	289,733	325,950	46
15	36,2438	72,487	108,731	144,975	181,219	217,462	253,706	289,950	326,194	45
16	36,2709	72,541	108,812	145,083	181,354	217,625	253,896	290,167	326,438	44
17	36,2980	72,596	108,894	145,192	181,490	217,788	254,086	290,384	326,682	43
18	36,3251	72,650	108,975	145,300	181,625	217,950	254,275	290,601	326,926	42
19	36,3522	72,704	109,056	145,408	181,761	218,113	254,465	290,817	327,170	41
20	36,3793	72,758	109,138	145,517	181,896	218,276	254,655	291,034	327,413	40
21	36,4064	72,812	109,219	145,625	182,032	218,438	254,845	291,251	327,657	39
22	36,4335	72,867	109,300	145,734	182,167	218,601	255,034	291,468	327,901	38
23	36,4606	72,921	109,381	145,842	182,303	218,763	255,224	291,684	328,145	37
24	36,4876	72,975	109,463	145,950	182,438	218,926	255,413	291,901	328,389	36
25	36,5147	73,029	109,544	146,059	182,573	219,088	255,603	292,118	328,632	35
26	36,5418	73,083	109,625	146,167	182,709	219,251	255,792	292,334	328,876	34
27	36,5689	73,137	109,706	146,275	182,844	219,413	255,982	292,551	329,120	33
28	36,5959	73,192	109,788	146,384	182,980	219,576	256,172	292,768	329,364	32
29	36,6230	73,246	109,869	146,492	183,115	219,738	256,361	292,984	329,607	31
30	36,6501	73,300	109,950	146,600	183,250	219,900	256,550	293,201	329,851	.30
'	100	200	300	400	500	600	700	800	900	-
d	27	54	81	108	136	163	190	217	244	***d***

ни	00	10	20	30	40	50	60	70	80	90
100	36	40	43	47	51	54	58	62	65	69
200	72	76	80	83	87	91	94	98	101	105
300	109	112	116	120	123	127	130	134	138	141
400	145	149	152	156	159	163	167	170	174	178
500	181	185	188	192	196	199	203	207	210	214
600	217	221	225	228	232	236	239	243	246	250
700	254	257	261	265	263	272	275	279	283	286
800	290	293	297	301	304	308	312	315	319	323
900	326	330	333	337	341	344	348	352	355	359

7 ***d***	27	54	81	108	136	163	190	217	244
6	3	5	8	11	14	16	19	22	24
7	3	6	9	13	16	19	22	25	28
8	4	7	11	14	18	22	25	29	33
9	4	8	12	16	20	24	28	33	37
10	5	9	14	18	23	27	32	36	41
20	9	18	27	36	45	54	63	72	81
30	14	27	41	54	68	81	95	108	122
40	18	38	54	72	90	108	126	144	163
50	23	45	68	90	113	135	158	181	203

/	100	200	300	400	500	600	700	800	900	t
30	93,0417	186,083	279,125	372,167	465,208	558,250	651,292	744,334	837,375	30
31	93,0311	186,062	279,093	372,124	465,155	558,186	651,217	744,248.	837,279	29
32	93,0204	186,040	279,061	372,081	465,102	558,122	651,143	744,163	837,183	28
33	93,0097	186,019	279,029	372,039	465,048	558,058	651,068	744,078	837,087	27
34	92,9990	185,998	278,997	371,996	464,995	557,994	650,993	743,992	836,991	26
35	92,9883	185,976	278,965	371,953	464,941	557,930	650,918	743,906	836,895	25
36	92,9776	185,955	278,933	371,910	464,888	557,865	650,843	743,821	836,798	24
37	92,9669	185,933	278,900	371,867	464,834	557,801	650,768	743,735	836,702	23
38	92,9562	185,912	278,868	371,824	464,781	557,737	650,693	743,649	836,606	22
39	92,9454	185,891	278,836	371,782	464,727	557,673	650,618	743,564	836,509	21
40	92,9347	185,869	278,804	371,739	464,673	557,608	650,543	743,478	836,412	20
41	92,9240	185,848	278,772	371,696	464,620	557,544	650,468	743,392	836,316	19
42	92,9132	185,826	278,739	371,653	464,566	557,479	650,392	743,306	836,219	18
43	92,9025	185,805	278,707	371,610	464,512	557,415	650,317	743,220	836,122	17
44	92,8917	185,783	278,675	371,567	464,458	557,350	650,242	743,133	836,025	16
45	92,8809	185,762	278,642	371,523	464,404	557,285	650,166	743,047	835,928	15
46	92,8701	185,740	278,610	371,480	464,350	557,221	650,091	742,961	835,831	14
47	92,8593	185,718	278,578	371,437	464,297	557,156	650,015	742,875	835,734	13
48	92,8485	185,697	278,545	371,394	464,243	557,091	649,940	742,788	835,637	12
49	92,8377	185,675	278,513	371,351	464,188	557,026	649,864	742,702	835,540	11
50	92,8269	185,654	278,480	371,307	464,134	556,961	649,788	742,615	835,442	10
51	92,3161	185,632	278,448	371,264	464,080	556,896	649,713	742,529	835,345	9
52	92,8053	185,610	278,416	371,221	464,026	556,831	649,637	742,442	835,247	8
53	92,7944	185,589	278,383	371,177	463,972	556,766	649,561	742,355	835,150	7
54	92,7836	185,567	278,350	371,134	463,918	556,701	649,485	742,269	835,052	6
55	92,7727	185,545	278,318	371,091	463,863	556,636	649,409	742,182	834,955	5
56	92,7619	185,523	278,285	371,047	463,809	556,571	649,333	742,095	834,857	4
57	92,7510	185,502	278,253	371,004	463,755	556,506	649,257	742,008	834,759	3
58	92,7401	185,480	278,220	370,960	463,700	556,441	649,181	741,921	834,661	2
59	92,7292	185,458	278,187	370,917	463,646	556,375	649, Ю5	741,834	834,563	1
60	92,7183	185,436	278,155	370,873	463,592	556,310	649,028	741,747	834,465	0
'	100	200	300	400	500	600	700	800	900	'
d	11	22	32	43	54	65	76	86	97	*d*

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мм	00	10	20	30	40	50	60	70	80	90	'Id	11	22	32	43	54	65	76	86	97
100	93	102	111	121	130	139	149	158	167	176	6	1	2	3	4	5	6	8	9	10
200	186	195	204	214	223	232	241	251	260	269	7	1	3	4	5	6	8	9	10	11
300	279	288	297	307	316	325	334	344	353	362	8	1	3	4	6	7	9	10	11	13
400	372	381	390	399	409	418	427	437	446	455	9	2	3	5	6	8	10	11	13	15
500	464	474	483	492	502	511	520	529	539	548	10	2	4	5	7	9	11	13	14	16
600	557	567	576	585	594	604	613	622	632	641	20	4	7	11	14	18	22	25	29	32
700	650	659	669	678	687	697	706	715	724	734	30	5	11	16	22	27	32	-38	43	48
800	743	752	762	771	780	789	799	808	817	827	40	7	14	22	29	36	43	50	57	65
900	836	845	855	864	873	882	892	901	910	920	50	9	18	27	36	45	54	63	72	81

'	100	200	300	400	500	600	700	800	900	•
30	36,6501	73,300	109,950	146,600	183,250	219,900	256,550	293,201	329,851	30
31	36,6771	73,354	110,031	146,708	183,386	220,063	256,740	293,417	330,094	29
32	36,7042	73,408	110,112	146,817	183,521	220,225	256,929	293,634	330,338	28
33	36,7313	73,462	110,194	146,925	183,656	220,387	257,119	293,850	330,581	27
34	36,7583	73,516	110,275	147,033	183,791	220,550	257,308	294,066	330,825	26
35	36,7854	73,570	110,356	147,141	183,927	220,712	257,497	294,283	331,068	25
36	36,8124	73,625	110,437	147,249	184,062	220,874	257,687	294,499	331,312	24
37	36,8395	73,679	110,518	147,358	184,197	221,037	257,876	294,716	331,555	23
38	36,8665	73,733	110,599	147,466	184,332	221,199	258,065	294,932	331,798	22
39	36,8935	73,787	110,680	147,574	184,467	221,361	258,255	295,148	332,042	21
40	36,9206	73,841	110,761	147,682	184,603	221,523	258,444	295,365	332,285	20
41	36,9476	73,895	110,843	147,790	184,738	221,685	258,633	295,581	332,528	19
42	36,9746	73,949	110,924	147,898	184,873	221,848	258,822	295,797	332,772	18
43	37,0017	74,003	111,005	148,006	185,008	222,010	259,012	296,013	333,015	17
44	37,0287	74,057	111,086	148,114	185,143	222,172	259,201	296,229	333,258	16
45	37,0557	74,111	111,167	148,223	185,278	222,334	259,390	296,446	333,501	15
46	37,0827	74,165	111,248	148,331	185,413	222,496	259,579	296,662	333,744	14
47	37,1097	74,219	111,329	148,439	185,548	222,658	259,768	296,878	333,988	13
48	37,1367	74,273	111,410	148,547	185,684	222,820	259,957	297,094	334,231	12
49	37,1638	74,327	111,491	148,655	185,819	222,982	260,146	297,310	334,474	11
50	37,1908	74,381	111,572	148,763	185,954	223,144	260,335	297,526	334,717	10
51	37,2178	74,435	111,653	148,871	186,089	223,306	260,524	297,742	334,960	9
52	37,2448	74,489	111,734	148,979	186,224	223,468	260,713	297,958	335,203	8
53	37,2717	74,543	111,815	149,087	186,359	223,630	260,902	298,174	335,446	7
54	37,2987	74,597	111,896	449,195	186,493	223,792	261,091	298,390	335,689	6
55	37,3257	74,651	111,977	149,303	186,628	223,954	261,280	298,606	335,932	5
56	37,3527	74,705	112,058	149,411-,	186,763	224,116	261,469	298,822	336,174	4
57	37,3797	74,759	112,139	149,519	186,898	224,278	261,658	299,037	336,417	3
58	37,4067	74,813	112,220	149,626	187,033	224,440	261,847	299,253	336,660	2
59	37,4336	74,867	112,301	149,734	187,168	224,602	262,035	299,469	336,903	1
60	37,4606	74,921	112,382	149,842	187,303	224,764	262,224	299,685	337,146	0
'	100	200	300	400	500	600	700	800	900	/
d	27	54	81	108	135	162	189	216	243	*d*

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?on	74	78	8?,	85	89	93	96	100	104	107
aṇo	111	115	119	*m*	126	130	133	137	141	145
4ÍKI	148	15V,	156	159	163	167	170	174	178	182
500	185	189	493	196	200	204	208	211	215	219
600	?.??.	*Ш*	230	233	237	241	245	248	252	256
700	259	263	267	271	274	Я78	282	285	289	293
ROO	?,96	300	304	308	311	3U5	319	322	326	330
U00	334	337	341	345	348	352	356	359	363	367

'/*d*	27	54	81	108	135	162	189	216	243
6	3	5	8	11	14	16	19	22	24
7	3	6	9	13	16	19	22	2b	28
8	4	7	11	14	18	22	2b	29	32
9	4	8	12	16	20	24	28	32	36
10	5	9	14	18	23	27	32	36	41
20	9	18	27	36	4b	54	63	72	81
30	14	27	41	54	68	81	9b	108	122
40	18	36	54	72	90	108	126	144	162
50	23	45	68	90	113	135	158	180	203

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t	100	200	300	400	500	600	700	800	900	■
0	92,7183	185,436	278,155	370,873	463,592	556,310	649,028	741,747	834,465	60
1	,92,7074	185,415	278,122	370330	463,537	556,245	648,952	741,659	834367	59
2	92,6965	185,393	278,089	370,786	463,482	556,179	648,876	741,572	834,269	58
3	92,6856	185,371	278,057	370,742	463,428	556,114	648,799	741,485	834,171	57
4	92,6747	185,349	278,024	370,699	463,373	556,048	648,723	741,397	834,072	56
5	92,6638	185,327	277,991	370,655	463,319	555,982	648,646	741310	833,974	55
в	92,6528	185,305	277,958	370,611	463,264	555,917	648370	741,223	833375	54
7	92,6419	185,283	277,925	370,567	463,209	555,851	648,493	741,135	833,777	53
8	92,6309	185,262	277,892	370,523	463,154	555,785	648,416	741,047	833,678	52
9	92,6200	185,240	277 360	370,480	463,100	555,720	648,340	740,960	833,580	51
10	92,6090	185,218	277,827	370,436	463,045	555,654	648,263	740,872	833,481	50
11	92,5980	185,196	277,794	370,392	462,990	555,588	648,186	740,784	833,382	49
12	92,5870	185,174	277,761	370,348	462,935	555,522	648,109	740,696	833,283	48
13	92,5760	185,152	277,728	370,304	462 380	555,456	648,032	740,608	833,184	47
14	92,5650	185,130	277,695	370,260	462,825	555390	647,955	740,520	833,085	46
1Б	92,5540	185,108	277,662	370,216	462,770	555,324	647,878	740,432	832,986	45
16	92,5430	185,086	277,629	370,172	462,715	555,258	647,801	740,344	832,887	44
17	92,5320	185,064	277,596	370,128	462,660	555,192	647,724	740,256	832,788	43
18	92,5209	185,042	277,563	370,083	462,604	555,125	647,646	740,167	832,688	42
19	92,5099	185,019	277,529	370,039	462,549	555,059	647,569	740,079	832,589	41
20	92,4988	184,997	277,496	369,995	462,494	554,993	647,492	739,991	832,490	40
21	92,4878	184,975	277,463	369,951	462,439	554,927	647,414	739,902	832,390	39
22	92,4767	184,953	277,430	369,907	462,383	554,860	647,337	739314	832,290	38
23	92,4656	184,931	277,397	369,862	462,328	554,794	647,259	739,725	832,191	37
24	92,4546	184,909	277,363	369,818	462,273	554,727	647,182	739,636	832,091	36
25	92,4435	184,887	277,330	369,774	462,217	554,661	647,104	739,548	831,991	35
26	92,4324	184,864	277,297	369,729	462,162	554,594	647,027	739,459	831,891	34
27	92,4213	184,842	277,264	369,685	462,106	554,527	646,949	739,370	831,791	33
28	92,4102	184,820	277,230	369,640	462,051	554,461	646,871	739,281	831,691	32
29	92,3990	184,798	277,197	369,596	461,995	554,394	646,793	739,192	831391	31
30	92,3879	184,776	277,163	369,551	461,939	554,327	646.715	739,103	831,491	30

-	100	200	300	400	500	600	700	800	900
d	11	22	33	44	55	66	77	88	99

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uu	00	10	20	30	40	50	60	70	80	90	7<j	11	22	33	44	55	66	77	88	99
100	93	102	111	120	130	139	148	157	167	176	6	1	2	3	4	6	7	8	9	10
200	185	194	204	213	222	231	241	250	259	268	7	1	3	4	5	6	8	9	10	12
300	278	287	296	305	315	324	333	342	352	361	8	1	3	4	6	7	9	10	*n*	13
400	370	379	389	398	407	416	426	435	444	454	9	2	3	Й	7	8	10	1?.	13	15
500	463	472	481	491	500	509	518	528	537	546	10	2	4	6	7	9	11	13	15	17
600	555	565	574	583	592	602	611	620	629	639	20	4	7	11	15	18	22	26	29	33
700	648	657	666	676	685	694	703	713	722	731	30	6	11	17	22	28	38	39	44	50
800	740	750	759	768	777	787	796	805	814	824	40	7	15	22	29	37	44	51	59	66
900	833	842	851	861	870	879	889	898	907	916	50	9	18	28	37	46	55	64	73	83

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t	100	200	300	400	500	600	700	800	900	'
0	37,4606	74,921	112,382	149,842	187,303	224,764	262,224	299,685	337,146	60
1	37,4876	74,975	112,462	149,950	187,438	224,925	262,413	299,901	337,388	59
2	37,5146	75,029	112,543	150,058	187,573	225,087	262,602	300,116	337,631	58
3	37,5415	75,083	112,624	150,166	187,707	225,249	262,790	300,332	337,874	57
4	37,5685	75,137	112,705	150,274	187,842	225,411	262,979	300,548	338,116	56
5	37,5954	75,191	112,786	150,381	187,977	225,572	263,168	300,763	338 359	55
в	37,6224	75,244	112,867	150,489	188,112	225,734	263,357	300,979	338,601	54
7	37,6493	75,298	112,948	150,597	188,246	225,896	263,545	301,195	338,844	53
8	37,6763	75,352	113,029	150,705	188,381	226,058	263,734	301,410	339,087	52
9	37,7032	75,406	113,109	150,813	188,516	226,219	263,922	301,626	339,329	51
10	37,7302	75,460	113,190	150,920	188,651	226,381	264,111	301,841	339,571	50
11	37,7571	75,514	113,271	151,028	188,785	226,542	264,300	302,057	339,814	49
12	37,7840	75,568	113,352	151,136	188,920	226,704	264,488	302,272	340,056	48
13	37,8110	75,622	113,433	151,244	189,055	226,866	264,677	302,488	340,299	47
14	37,8379	75,675	113,513	151,351	189,189	227,027	264,865	302,703	340,541	46
15	37,8648	75,729	113,594	151,459	189,324	227,189	265,054	302,918	340,783	45
1в	37,8917	75,783	113,675	151,567	189,459	227,350	265,242	303,134	341,026	44
17	37,9187	75,837	113,756	151,674	189,593	227,512	265,431	303,349	341,268	43
18	37,9456	75,891	113,836	151,782	189,728	227,673	265,619	303,565	341,510	42
19	37,9725	75,945	113,917	151,890	189,862	227,835	265,807	303,780	341,752	41
20	37,9994	75,998	113,998	151,997	189,997	227,996	265,996	303,995	341,995	40
21	38,0263	76,052	114,079	152,105	190,131	228,158	266,184	304,210	342,237	39
22	38,0532	76,106	114,159	152,213	190,266	228,319	266,372	304,426	342,479	38
23	38,0801	76,160	114,240	152,320	190,400	228,480	266,561	304,641	342,721	37
24	38,1070	76,214	114,321	152,428	190,535	228,642	266,749	304,856	342,963	36
25	38,1339	76,267	114,401	152,535	190,669	228,803	266,937	305,071	343,205	35
26	38,1608	76,321	114,482	152,643	190,804	228,965	267,125	305,286	343,447	34
27	38,1877	76,375	114,563	152,750	190,938	229,126	267,314	305,501	343,689	33
28	38,2145	76,429	114,643	152,858	191,073	229,287	267,502	305,716	343,931	32
29	38,2414	76,483	114,724	152,965	191,207	229,448	267,690	305,931	344,173	31
30	38,2683	76,536	114,805	153,073	191,341	229,610	267,878	306,146	344,415	30
	100	200	300	400	500	600	700	800	900	-
d	27	54	81	108	135	162	188	215	242	*d*

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HM	00	10	20	30	40	50	60	70	80	90 ,
100	38	41	45	49	53	57	61	64	68	72
200	76	80	83	87	91	95	98	102	106	110
300	114	117	121	125	129	133	136	140	144	148
400	151	155	159	163	167	170	174	178	182	186
500	189	193	197	201	204	208	212	216	220	223
600	227	231	235	239	242	246	250	254	2E7	261
700	265	269	273	276	280	284	288	292	295	299
800	303	307	310	314	318	322	326	329	333	337
900	341	345	348	352	356	360	364	367	371	375

7d	27	54	81	108	135	162	188	215	242
6	3	5	8	11	13	16	19	22	24
7	3	6	9	13	16	19	22	25	28
8	4	7	11	14	18	22	25	29	32
9	4	8	12	16	20	24	28	32	JIH
10	4	9	13	18	22	27	31	36	40
20	9	18	27	36	45	54	63	72	81
30	13'	27	40	54	67	81	94	108	121
40	18	36	54	72	90	108	126	144	161
50	22	45	67	90	112	135	157	179	202

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/	100	200	300	400	500	600	700	800	900	/
30	92,3079	184*776	277,163	369,551	461,939	554,327	646,715	739,103	831,491	30
31	92,3768	184,753	277,130	369,507	461,884	554,261	646,637	739,014	831,391	29
32	92,3656	184,731	277,097	369,462	461,828	554,194	646,559	738,925	831,291	28
33	92,3545	184,709	277,063	369,418	461,772	554,127	646,481	738,836	831,190	27
34	92,3433	184,686	277,030	369,373	461,716	554,060	646,403	738,747	831,090	26
35	92,3322	184,664	276,996	369,328	461,661	553,993	646,325	738,657	830,989	25
36	92,3210	184,642	276,693	369,284	461,605	553,926	646,247	738,568	830,889	24
37	92,3098	184,619	276,929	369,239	461,549	553,859	646,168	738,478	830,788	23
38	92,2986	184,597	276,896	369,194	461,493	553,791	646,090	738,389	830,687	22
39	92,2874	184,574	276,862	369,149	461,437	553,724	646,012	738,299	830,587	21
40	92,2762	184,552	276,828	369,105	461,381	553,657	645,933	738,210	830,486	20
41	92,2650	184,530	276,795	369,060	461,325	553,590	645,855	738,120	830,385	19
42	92,2538	184,507	276,761	369,015	461,269	553,522	645,776	738,030	830,284	18
43	92,2425	184,485	276,727	368,970	461,212	553,455	645,698	737,940	830,183	17
44	92,2313	184,462	276,694	368,925	461,156	553,388	645,619	737,850	830,082	16
45	92,2201	184,440	276,660	368,880	461,100	553,320	645,540	737,760	829,980	15
46	92,2088	184,417	276,626	368,835	461,044	553,253	645,462	737,670	829,879	14
47	92,1975	184,395	276,592	368,790	460,988	553,185	645,383	737,580	829,778	13
48	92,1863	184,372	276,559	368,745	460,931	553,117	645,304	737,490	829,676	12
49	92,1750	184,350	276,525*,	368,700	460,875	553,050	645,225	737,400	829,575	11
50	92,1637	184,327	276,491	368,655	460,818	552,982	645,146	737,310	829,473	10
51	92,1524	184,305	276,457	368,609	460,762	552,914	645,067	737.219	829,372	9
52	92,1411	184,282	276,423	368,564	460,705	552,847	644,988	737,129	829,270	8
53	92,1298	184,259	276,389	368,519	460,649	552,779	644,909	737,038	829,168	7
54	92,1185	184,237	276,355	368,474	460,592	552,711	644,829	736,948	829,066	6
55	92,1072	184,214	276,321	368,428	460,536	552,643	644,750	736,857	828,965	5
56	92,0958	184,191	276,287	368,383	460,479	552,575	644,671	736,767	828,863	4
57	92,0845	184,169	276,253	368,338	460,422	552,507	644,591	736,676	828,761	3
58	92,0732	184,146	276,219	368,292	460,366	552,439	644,512	736,585	828,658	2
59	92,0618	184,123	276,185	368,247	460,309	552,371	644,433	736,494	828,556	1
60	92,0504	184,101	276,151	368,202	460,252	552,303	644,353	736,403	828,454	0
/	100	200	300	400	500	600	700	800	900	/
d	11	23	34	45	56	68	79	90	101	*d*

t + 112“ — 292° Ajr 67° sin t 67°+ 247°—

мм	00	10	20	30	40	50	60	70	80	90
10П	92	101	111	120	129	138	148	157	166	175
?по	184	194	203	212	221	231	240	249	258	267
300	277	286	295	304	314	323	332	341	350	360
400	369	378	387	397	406	415	424	433	443	452
500	4fi1	470	480	489	498	507	516	526	535	544
600	553	563	572	581	590	599	607	618	627	636
700	646	655	664	673	682	692	701	710	719	729
800	738	747	756	765	775	784	793	802	812	821
900	830	839	848	858	867	876	885	895	904	913

"*Id*	11	23	34	45	56	68	79	90	101
6	1	2	3	4	7	7	8	9	10
7	1	3	4	5	8	9	9	10	12
8	2	3	4	6	8	9	10	12	14
9	2	3	5	8	8	10	12	14	15
10	2	4	6	8	9	11	13	lb	17
20	4	8	11	15	19	22	26	30	34
30	6	11	17	22	28	34	39	4b	bl
40	8	15	22	30	38	4b	52	60	68
50	9	19	28	38	47	56	66	7b	84

+22° ; 157°+ *

t	100	200	300	400	500	600	700	800	900	/
30	38,2683	76,536	114,805	153,073	191,341	229,610	267,878	306,146	344,415	30
31	38,2952	76,590	114,885	153,180	191,476	229,771	268,066	306,361	344,657	29
32	38,3220	76,644	114,966	153,288	191,610	229,932	268,254	306,576	344,898	28
33	38,3489	76,698	115,046	153,395	191,744	230,093	268,442	306,791	345,140	27
34	38,3758	76,751	115,127	153,503	191,879	230,254	268,630	307,006	345,382	26
35	38,4026	76,805	115,2,08	153,610	192,013	230,416	268,818	307,221	345,624	25
36	38,4295	76,859	115,288	153,718	192,147	230,577	269,006	307,436	345,865	24
37	38,4563	76,912	115,369	153,825	192,282	230,738	269,194	307,651	346,107	23
38	38,4832	76,966	115,449	153,933	192,416	230,899	269,382	307,865	346,349	22
39	38,5100	77,020	115,530	154,040	192,550	231,060	269,570	308,080	346,590	21
40	38,5369	77,073	115,610	154,147	192,684	231,221	269,758	308,295	346,832	20
41	38,5637	77,127	115,691	154,255	192,818	231,382	269,946	308,510	347,074	19
42	38,5906	77,181	115,771	154,362	192,953	231,543	270,134	308,724	347,315	18
43	38,6174	77,234	115,852	154,469	193,087	231,704	270,322	308,939	347,557	17
44	38,6442	77,288	115,932	154,577	193,221	231,865	270,509	309,154	347,798	16
45	38,6711	77,342	116,013	154,684	193,355	232,026	270,697	309,368	348,039	15
46	38,6979	77,395	116,093	154,791	193,489	232,187	270,885	309,583	348,281	14
47	38,7247	77,449	116,174	154,899	193,623	232,348	271,073	309,798	348,522	13
48	38,7515	77,503	116,254	155,006	193,757	232,509	271,261	310,012	348,764	12
49	38,7783	77,556	116,335	155,113	193,891	232,670	271,448	310,227	349,005	11
50	38,8051	77,610	116,415	155,220	194,026	232,831	271,636	310,441	349,246	10
51	38,8320	77,664	116,496	155,328	194,160	232,992	271,824	310,656	349,488	9
52	38,8588	77,717	116,576	155,435	194,294	233,152	272,011	310,870	349,729	8
53	38,8856	77,771	116,656	155,542	194,428	233,313	272,199	311,084	349,970	7
54	38,9124	77,824	116,737	155,649	194,562	233,474	272,386	311,299	350,211	6
55	38,9392	77,878	116,817	155,756	194,696	233,635	272,574	311,513	350,452	5
56	38,9659	77,932	116,898	155,864	194,830	233,795	272,761	311,727	350,693	4
57	38,9927	77,985	116,978	155,971	194,963	233,956	272,949	311,942	350,935	3
58	39,0195	78,039	117,058	156,078	195,097	234,117	273,136	312,156	351,176	2
59	39,0463	78,092	117,139	156,185	195,231	234,278	273,324	312,370	351,417	1
60	39,0731	78,146	117,219	156,292	195,365	234,438	273,511	312,585	351,658	0
'	100	200	300	400	500	600	700	800	900	/
d	27	54 o	80	107	134	161	188	215	241	***i***

t —112° ,+292° Ai 67“ eos t 67“+ 247“—

им	00	10	20	30	40	50	60	70	80	90
100	39	43	46	50	54	58	62	66	70	73
200	77	81	85	89	93	97	101	104	108	112
300	116	120	124	128	131	135	139	143	147	151
400	155	159	162	166	170	174	178	182	186	189
500	193	197	201	205	209	213	217	220	224	228
600	232	236	240	244	247	251	255	259	263	267
700	271	275	278	282	286	290	294	298	302	306
800	309	313	317	321	325	329	333	336	340	344
900	348	352	356	360	364	367	371	375	379	383

′/d	27	54	80	107	134	[illegible]	188	215	241
6	3	5	8	11	13	16	19	21	24
7	3	6	9	13	16	19	22	25	28
8	4	7	11	14	18	21	25	29	32
9	4	8	12	16	20	24	28	32	36
10	4	9	13	18	22	27	31	36	40
20	9	18	27	36	45	54	63	72	80
30	13	27	40	54	67	80	94	107	121
40	18	36	54	72	89	107	125	143	161
50	22	45	67	89	112	134	156	179	201

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+23°

coe 23° Ax

336°+
156e—
i

t	100	200	300	*400*	500	600	700	800	900	*t*
0	92,0504	164,101	276,151	368,202	460,252	552,303	644,353	736,403	828,454	60
1	92,0391	184,078	276,117	368,156	460,195	552,234	644,273	736,313	828,352	59
2	92,0277	184,055	276,083	368,111	460,138	552,166	644,194	736,222	828,249	58
3	92,0163	184,032	276,049	368,065	460,081	552,098	644,114	736,130	828,147	57
4	92,0049	184,010	276,014	368,019	460,024	552,029	644,034	736,039	828,044	56
5	91,9935	183,987	275,980	367,974	459,967	551,961	643,955	735,948	827,942	55
6	91,9821	183,964	275,946	367,928	459,910	551,892	643,875	735,857	827,839	54
7	91,9707	183,941	275,912	367,883.	459,853	551,824	643,795	735,765	827,736	53
8	91,9593	183,918	275,878	367,837	459,796	551,755	643,715	735,674	827,633	52
9	91,9478	183,895	275,843	367,791	459,739	551,687	643,635	735,583	827,530	51
10	91,9364	183,872	275,809	367,745	459,682	551,618	643,555	735,491	827,428	50
11	91,9249	183,850	275,775	367,700	459,625	551,550	643,475	735,400	827,324	49
12	91,9135	183,827	275,740	367,654	459,567	551,481	643,394	735,308	827,221	48
13	91,9020.	183,804	275,706	367,608	459,510	551,412	643,314	735,216	827,118	47
14	91,8906	183,781	275,671	367,562	459,453	551,343	643,234	735,124	827,015	46
lS	91,8791	183,758	275,637	367,516	459,395	551,274	643,153	735,033	826,912	45
16	91,8676	183,735	275,602	367,470	459,338	551,205	643,073	734,941	826,808	44
17	91,8561	183,712	275,568	367,424	459,280	551,136	642,993	734,849	826,705	43
18	91,8446	183,089	275,534	367,378	459,223	551,067	642,912	734,757	826,601	42
19	91,8331	183,666	275,499	367,332	459,165	550,998	642,831	734,665	826,498	41
20	91,8216	183,643	275,464	367,286	459,108	550,929	642,751	734,572	826,394	40
21	91,8100	183,620	275,430	367,240	459,050	550.860	642,670	734,480	826,290	39
22	91,7985	183,597	275,395	367,194	458,992	550,791	642,589	734,388	826,187	38
23	91,7870	183,574	275,361	367,148	458,935	550,722	643,509	734,296	826,083	37
24	91,7754	183,551	275,326	367,101	458,877	550,652	642,428	734,203	825,979	36
25	91,7639	183,527	275,291	367,055	458,819	550,583	642,347	734,111	825,875	35
26	91,7523	183,504	275,257	367,009	458,761	550,514	642,266	734,018	825,771	34
27	91,7407	183,481	275,222	366,963	458,703	550,444	642,185	733,926	825,667	33
28	91,7291	183,458	275,187	366,916	458,646	550,375	642,104	733,833	829,562	32
29	91,7176	183,435	275,152	366,870	458,588	550,305	642,023	733,740	825/458	31
30	91,7060	183,412	275,118	366,824	458,530	550,236	641,942	733,648	825,354	30
-/	100	200	300	400	500	600	700	800	900	*t*
d	11	23	34	46	57	69	80	92	103	***d***

t
+ 113°
—293°

Ai*r* 66° sin

t
66°+
246°—

им	00	10	20	30	40	50	60	70	80	90	***4d***	11	23	34	46	57	69	80	92	103
100	92	101	110	119	129	138	147	156	165	175	6	1	2	3	5	6	7	8	9	10
200	184	193	202	211	221	230	239	248	257	266	7	1	3	4	5	7	8	9	11	1?
300	276	285	294	303	312	322	331	340	349	358	8	*г*	3	5	6	8	9	11	1?	14
400	368	377	386	395	404	413	423	432	441	450	9	***2***	3	5	7	9	10	11	14	16
500	459	469	478	487	496	505	515	524	533	542	10	***2***	4	6	8	10	11	13	15	17
600	bbl	560	570	579	588	597	606	616	625	634	20	4	8	11	15	19	23	27	31	34
700	643	652	662	671	680	689	698	707	717	726	30	6	11	17	23	29	34	40	46	sa
800	73b	744	763	/63	772	781	790	799	809	818	40	8	15	23	31	38	46	54	61	69
900	827	836	845	854	864	873	882	891	900	910	50	10	19	29	38	48	57	67	77	86

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+23°
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sin 23° A»

336ᵉ—
156*+
i

t	100	200	300	400	500	600	700	800	900	t
0	39,0731	78,146	117,219	156,292	195,365	234,438	273,511	312,584	351,658	60
1	39,0998	78,199	117,299	156,399	195,499	234,599	273,699	312,799	351,899	59
2	39,1266	78,253	117,380	156,506	195,633	234,760	273,886	313,013	352,140	58
3	39,1534	78,306	117,460	156,613	195,767	234,920	274,074	313,227	352,380	57
4	39,1802	78,360	117,540	156,720	195,901	235,081	274,261	313,441	352,621	56
5	39,2069	78,414	117,620	156,827	196,034	235,241	274,448	313,655	352,862	55
6	39,2337	78,467	117,701	156,934	196,168	235,402	274,636	313,869	353,103	54
7	39,2604	78,521	117,781	157,041	196,302	235,562-	274,823	314,083	353,344	53
8	39,2872	78,574	117,861	157,148	196,436	235,723	275,010	314,297	353,585	52
9	39,3139	78,628	117,941	157,255	196,569	235,883	275,197	314,511	353,825	51
10	39,3407	78,681	118,022	157,362	196,703	236,044	275,385	314,725	354,066	50
11	39,3674	78,735	118,102	157,469	196,837	236,204	275,572	314,939	354,307	49
12	39,3942	78,788	118,182	157,576	196,971	236,365	275,759	315,153	354,547	48
13	39 4209	78,841	118,262	157,683	197,104	236,525	275,946	315,367	354,788	47
14	39,4476	78,895	118,343	157,790	197,238	236,686	276,133	315,581	355,029	46
15	39,4743	78,948	118,423	157,897	197,372	236,846	276,320	315,795	355,269	45
16	39,5011	79,002	118,503	158,004 '	197,505	237,006	276,507	316,008	355,510	44
17	39,5278	79,055	118,583	158,111	197,639	237,167	276,694	316,222	355,750	43
18	39,5545	79,109	118,663	158,218	197,772	237,327	276,881	316,436	355,991	42
19	39,5812	79,162	118,743	158,325	197,906	237,487	277,068	316,650	356,231	41
20	39,6079	79,216	118,824	158,432	198,039	237,647	277,255	316363	356,471	40
21	39,6346	79,269	118,904	158,538	198,173	237,808	277,442	317,077	356,712	39
22	39,6614	79,322	118,984	158,645	198,307	237,968	277,629	317,291	356,952	38
23	39,6881	79,376	119,064	158,752	198,440	238,128	277,816	317,504	357,192	37
24	39,7148	79,429	119,144	158,859	198,574	238,288	278,003	317,718	357,433	36
25	39,7414	79,483	119,224	158,966	198,707	238,449	278,190	317,931	357,673	35
26	39,7681	79,536	119,304	159,072	198,840	238,609	278,377	318,145	357,913	34
27	39,7948	79,589	119,384	159,179	198,974	238,769	278,564	318,359	358,153	33
28	39,8215	79,643	119,464	159,286	199,107	238,929	278,750	318,572	358,394	32
29	39,8482	79,696	119,544	159,393	199,241	239,089	278,937	318,785	358,634	31
30	39,8749	79,749	119,624	159,499	199,374	239,249	279,124	318,999	358,874	30
t	100	200	300	400	500	600	700	800	900	t
d	27	53	80	107	134	160	187	214	240	d

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Ax 66° cos

66°+
246°—

им	00	10	20	30	40	50	60	70	80	90
100	з»	43	47	51	55	59	83	67	71	75
200	79	83	87	91	95	99	103	107	111	114
300	118	122	126	130	134	138	142	146	150	154
400	158	162	166	170	174	178	182	186	189	193
500	197	201	205	209	213	217	221	225	229	233
600	237	241	245	249	253	257	261	264	268	272
700	276	280	284	288	292	296	300	304	308	312
800	316	320	324	328	332	336	339	343	347	351
900	355	359	363	367	371	375	379	383	387	391

'Id	27	53	80	107	134	160	187	214	240
в	3	5	8	11	13	16	19	21	24
	7	3	6	9	12	16	19	22	25	28
	8	4	7	11	14	18	21	25	29	32
	9	4	8	12	16	20	24	28	32	36
	10	4	9	13	18	22	27	31	36	40
	20	9	18	27	36	45	54	**62**	71	80
	30	13	27	40	54	67	80	94	107	120
	40	18	36	54	71	89	107	125	143	161
	50	22	45	67	89	112	134	156	178	201

/	100	200	300	400	500	600	700	800	900	*t*
30	91,7060	183,412	275,118	366,824	458,530	550,236	641,942	733,648	825,354	30
31	91,6944	183,388	275,083	366,777	458,472	550,166	641,860	733,555	825,249	29
32	91,6828	183,365	275,048	366,731	458,414	550,096	641,779	733,462	825,145	28
33	91,6711	183,342	275,013	366,684	458,355	550,027	641,698	733,369	825,040	27
34	91,6595	183,319	274,978	366,638	458,297	549,957	641,616	733,276	824,936	26
35	91,6479	183,295	274,943	366,591	458,239	549,887	641,535	733,183	824,831	25
36	91,6362	183,272	274,908	366,545	458,181	549,817	641,454	733,090	824,726	24
37	91,6246	183,249	274,873	366,498	458,123	549,747	641,372	732,997	824,621	23
38	91,6129	183,226	274,838	366,451	458,064	549,677	641,290	732,903	824,516	22
39	91,6013	183,202	274,804	366,405	458,006	549,607	641,209	732,810	824,411	21
40	91,5896	183,179	274,768	366,358	457,948	549,537	641,127	732,717	824,306	20
41	91,5779	183,155	274,733	366,311	457,889	549,467	641,045	732,623	824,201	19
42	91,5662	183,132	274,698	366,265	457,831	549,397	640,963	732,530	824,096	18
43	91,5545	183,109	274,663	366,218	457,772	549,327	640,882	732,436	823,991	17
44	91,5428	183,085	274,628	366,171	457,714	549,257	640,800	732,342	823,885	16
45	91,5311	183,062	274,593	366,124	457,655	549,186	640,718	732,249	823,780	15
46	91,5194	183,038	274,558	366,077	457,597	549,116	640,636	732,155	823,674	14
47	91,5077	183,015	274,523	366,030	457,538	549,046	640,554	732,061	823,569	13
48	91,4959	182,992	274,487	365,983	457,479	548,975	640,471	731,967	823,463	12
49	91,4842	182,968	274,452	365,936	457,421	548,905	640,389	731,873	823,358	11
50	91,4724	182,945	274,417	365,889	457,362	548,834	640,307	731,779	823,252	10
51	91,4607	182,921	274,382	365,842	457,303	548,764	640,225	731,685	823,146	9
52	91,4489	182,897	274,346	365,795	457,244	548,693	640,142	731,591	823,040	8
53	91,4371	182,874	274,311	365,748	457,185	548,623	640,060	731,497	822,934	7
54	91,4254	182,850	274,276	365,701	457,127	548,522	639,977	731,403	822,828	6
55	91,4136	182,827	274,240	365,654	457,068	548,481	639,895	731,308	822,722	5
56	91,4018	182,803	274,205	365,607	457,009	548,410	639,812	731,214	822,616	4
57	91,3900	182,780	274,170	365,560	456,950	548,340	639,730	731,120	822,510	3
58	91,3782	182,756	274,134	365,512	456,891	548,269	639,647	731,025	822,403	2
59	91,3663	182,732	274,099	365,465	456,831	548,198.	639,564	730,931	822,297	1
60	91,3545	182,709	274,063	365,418	456,772	548,127	639,481	730,836	822,191	0

/	100	200	300	400	500	600	70Ô	800	900	#
d	12	23	35	47	59	70	82	94	106	*d*

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MM	00	10	20	30	40	50	60	70	80	90	*4d*	12	23	35	47	59	70	82	94	106
fc																				
100	92	101	110	119	128	137	146	156	165	174	6	1	2	4	5	6	7	8	9	11
200	183	192	201	211	220.	229	238	247	256	265	7	1	3	4	5	7	8	10	11	12
300	275	284	293	302	311	320	330	339	348	357	8	2	3	5	6	8	9	11	13	14
400	366	375	384	394	403	412	421	430	439	449	9	2	4	5	7	9	11	12	14	16
500	458	467	476	485	494	503	51Я	522	531	540	10	2	4	6	8	10	12	14	16	18
600	549	558	567	577	586	595	604	613	622	632	20	4	8	12	16	20	23	27	31	35
700	641	650	659	668	677	686	696	705	714	723	30	6	12	18	23	29	35	41	47	53
800	732	741	751	760	769	778	787	796	805	815	40	8	16	23	31	39	47	55	63	70
900	824	833	842	851	860	870	879	888	897	906	50	10	20	29	39	49	59	68	78	68

1	100	200	300	400	500	600	700	800	900	*t*
30	39,8749	79,749	119,624	159,499	199,374	239,249	279,124	318,999	358,874	30
31	39,9015	79,803	119,704	159,606	199,508	239,409	279,311	319,212	359,114	29
32	39,9282	79,856	119,784	159,713	199,641	239,569	279,497	319,426	359,354	28 ,
33	39,9549	79,909	119,864	159,819	199,774	239,729	279,684	319,639	359,594	27
34	39,9815	79,963	119,944	159,926	199,908	239,889	279,871	319,852	359,834	26
35	40,0082	80,016	120,024	160,033	200,041	240,049	280,057	320,066	360,074	25
36	40,0349	80,069	120,104	160,139	200,174	240,209	280,244	320,279	360,314	24
37	40,0615	80,123	120,184	160,246	200,307	240,369	280,430	320,492	360,554	23
38	40,0882	80,176	120,264	160,352	200,441	240,529	280,617	320,705	360,793	22
39	40,1148	80,229	120,344	160,459	200,574	240,689	280 804	320,918	361,033	21
40	40,1415	80,283	120,424	160,566	200,707	240,849	280,990	321,132	361,273	20
41	40,1681	80,336	120,504	160,672	200,840	241,008	281,177	321,345	361,513	19
42	40,1947	80,389	120,584	160,779	200,973	241,168	281,363	321,558	361,753	18
43	40,2214	80,442	120,664	160,885	201,107	241,328	281,549	321,771	361,992	17
44	40,2480	80,496	120,744	160,992	201,240	241,488	281,736	321,984	362,232	16
45	40,2746	80,549	120,824	161,098	201,373	241,648	281,922	322,197	362,472	15
46	40,3013	80,602	120,903	161,205	201,506	241,807	282,109	322,410	362,711	14
47	40,3279	80,655	120,983	161,311	201,639	241,967	282,295	322,623	362,951	13
48	40,3545	80,709	121,063	161,418	201,772	242,127	282,481	322,836	363,190	12
49	40,3811	80,762	121,143	161,524	201,905	242,286	282,668	323,049	363,430	11
50	40,4077	80,815	121,223	161,631	202,038	242,446	282,854	323,262	363,669	10
51	40,4343	80,868	121,303	161,737	202,171	242,606	283,040	323,474	363,909	9
52	40,4609	80,922	121,382	161,843	202,304	242,765	283,226	323,687	364,148	8
53	40,4875	80,975	121,462	161,950	202,437	242,925	283,413	323,900	364,388	7
54	40,5141	81,028	121,542	162,056	202,570	243,085	283,599	324,113	364,627	6
55	40,5407	81,081	121,622	162,163	202,703	243,244	283,785	324,326	364,866	5
56	40,5673	81,134	121,702	162,269	202,836	243,404	283 971	324,538	365,106	4
57	40,5939	81,187	121,781	162,375	202,969	243,563	284,157	324,751	365,345	3
58	40,6205	81,241	121,861	162,482	203,102	243,723	284,343	324,964	365,584	2
59	40,6471	81,294	121,941	162,588	203,235	243,882	284,529	325,176	365,823	1
60	40,6736	81,347	122,021	162,694	203,368	244,042	284,715	325,389	366,063	0

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100	40	44	48	52	56	60	64	68	72	77
’fio	81	85	89	93	97	101	105	109	113	117
300	1?1	125	129	133	187	141	145	149	153	157
400	161	165	169	173	177	181	185	189	193	197
500	?01	205	209	213	217	222	226	230	234	238
eoo	?4?,	?46	250	254	258	262	266	270	274	278
700	9R9	?86	Я90	294	298	302	306	310	314	318
800	Я??,	m	330	334	338	342	346	350	354	358
900	362	366	371	375	379	383	387	391	395	399

’/d	27	53	80	106	133	160	186	213	240
6	3	5	8	11	13	16	19	21	24
7	3	6	9	12	16	19	22	2b	28
8	4	7	11	14	18	21	25	28	32
9	4	8	12	16	20	24	2«	32	36
10	4	9	13	18	22	27	31	36	40
20	9	18	27	36	44	53	62	71	80
30	13	27	40	53	67	80	93	10/	120
40	18	36	63	*n*	89	·107	124	142	lõO
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	100	200	300	400	500	600	700	800	900	'
0	91,3545	182,709	274,063	365,418	456,772	548,127	639,481	730,836	822,191	60
1	91,3427	182,685	274,028	365,370	456,713	548,056	639,399	730,741	822,084	59
2	91,3308	182,661	273,992	365,323	456,654	547,985	639,316	730,647	821,977	58
3	91,3190	182,638	273,957	365,276	456,595	547,914	639,233	730,552	821,871	57
4	91,3071	182,614	273,921	365,228	456,535	547,843	639,150	730,457	821,764	5в
5	91,2953	182,590	273,885	365,181	456,476	547,771	639,067	730,362	821,657	55
6	91,2834	182,566	273,850	365,133	456,417	547,700	638,984	730,267	821,550	54
7	91,2715	182,543	273,814	365,086	456,357	547,629	638,900	730,172	821,443	53
8	91,2596	182,519	273,779	365,038	456,298	547,557	638,817	730,077	821,336	52
9	91,2477	182,495	273,743	364,991	456,238	547,488	638,734	729,982	821,229	51
10	91,2358	182,471	273,707	364,943	456,179	547,415	638,651	729,886	821,122	50
И	91,2239	182,447	273,671	364,895	456,119	547,343	638,567	729,791	821,015	49
12	91,2120	182,424	273,636	364,848	456,060	547,272	638,484	729,696	820,908	48
13	91,2000	182,400	273,600	364,800	456,000	547,200	638,400	729,600	820,800	47
14	91,1881	182,376	273,564	364,752	455,940	547,128	638,317	729,505	820,693	46
15	91,1762	182,352	273,528	364,704	455,881	547,057	638,233	729,409	820,585	45
16	91,1642	182,328	273,492	364,657	455,821	546,985	638,149	729,314	820,478	44
17	91,1523	182,304	273,456	364,609	455,761	546,913	638,066	729,218	820,370	43
18	91,1403	182,280	273,421	364,561	455,701	546,842	637,982	729,122	820,263	42
19	91,1283	182,256	273,385	364,513	455,641	546,770	637,898	729,026	820,155	41
20	91,1163	182,232	273,349	364,465	455,581	546,698	fc37,814	728,931	820,047	40
21	91,1043	182,208	273,313	364,417	455,521	546,626	637,730	728,835	819,939	39
22	91,0923	182,184	273,277	364,369	455,462	•546,554	637,646	728,739	819,831	38
23	91,0803	182,160	273,241	364,321	455,401	546,482	637,562	728,643	819,723	37
24	91,0683	182,136	273,205	364,273	455,341	546,410	637,478	728,547	819,615	Зв
25	91,0563	182,112	273,169	364,225	455,281	546,338	637,394	728,450	819,507	35
26	91,0443	182,083	273,133	364,177	455,221	546,265	637,310	728,354	819,398	34
27	91,0322	182,064	273,096	364,129	455,161	546,193	637,226	728,258	819,290	33
28	91,0202	182,040	273,060	364,081	455,101	546,121	637,141	728,161	819,182	32
29	91,0081	182,016	273,024	364,032	455,041	546,049	637,057	728,065	819,073	31
30	90,9961	181,992	272,988	363,984	454,980	545,976	636,972	727,969	818,965	30
	100	200	300	400	500	600	700	800	900	"
d	12	24	36	48	60	72	84	96	108	*i*

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мм	00	10	20	30	40	50	60	70	80	90
100	91	100	109	119	128	137	146	155	164	173
200	182	191	201	210	219	228	237	246	255	264
300	274	283	292	301	310	319	328	337	346	356
400	365	374	383	392	401	410	419	429	438	447
500	456	465	474	483	492	501	511	520	529	538
600	547	55в	565	574	584	593	602	611	620	629
700	638	647	656	666	675	684	693	702	711	720
800	729	739	748	757	766	775	784	793	802	811
900	821	830	839	848	957	866	975	884	894	903

'/*d*	12	24	36	48	60	72	84	96	108
6	13	4	5	6	7	8	10	11	
7	13	4	6	7	8	10	11	13	
8	2 4	5	6	8	10	11	13	14	
9	2 4	5	7	9	11	13	14	16	
10	2 4	6	8	la	12	14	16	18	
20	4 8	12	16	2024		28	32	36	
30	6 12	18	24	3036		*a*	48	54	
40	8 16	24	32	4048		56	64	72	
50	10 20	30	40	50	60	70	80	99	

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■	100	200	300	400	500 .	600	700	800	900	
0	40,6736	81,347	122,021	162,694	203,368	244,042	284,715	325,389	366,063	60
1	40,7002	81,400	122,100	162,801	203,501	244,201	284,901	325,601	366,302	59
2	40,7268	81,453	122,180	162,907	203,634	244,360	285,087	325,814	366,541	58
3	40,7533	81,506	122,260	163,013	203,766	244,520	285,273	326,027	366,780	57
4	40,7799	81,559	122,339	163,119	203,899	244,679	285,459	326,239	367,019	56
5	40,8065	81,613	122,419	163,226	204,032	244,839	285,645	326,452	367,258	55
6	40,8330	81,666	122,499	163,332	204,165	244,998	285,831	326,664	367,497	54
7	40,8596	81,719	122,578	163,438	204,298	245,157	286,017	326,876	367,736	53
8	40,8861	81,772	122,658	163,544	204,430	245,316	286,203	327,089	367,975	52
9	40,9127	81,825	122,738	163,650	204,563	•245,476	286,388	327,301	368,214	51
10	40,9392	81,878	122,817	163,757	204,696	245,635	286,574	327,513	368,453	50
11	40,9657	81,931	122,897	163,863	204,828	245,794	286,760	337,726	368,692	49
12	40,9923	81,984	122.977	163,969	204,661	245,953	286,946	327,938	368,930	48
13	41,0188	82,037	123.050	164,075	205,094	246,113	287,131	328,150	369,169	47
14	41,0453	82,090	123,136	164,181	205,226	246,272	287,317	328,362	369,408	40
15	41,0718	82,143	123,215	164,287	205,359	246,431	287,503	328,575	369,647	45
16	41,0984	82,196	123,295	164,393	205,492	246,590	287,688	328,787	369,885	44
17	41,1249	82,249	123,374	164,499	205,624	246,749	287,874	328.999	370,124	43
18	41,1514	82,302	123,454	164,605	205,757	246,908	288,060	329,211	370,363	42
19	41,1779	82,355	123,533	164,711	205,889	247,067	288,245	329,423	370,601	41
20	41,2044	82,409	123,613	164,817	206,022	247,226	288,431	329,635	370,840	40
21	41,2309	82,462	123,692	164,923	206,154	247,385	288,616	329,847	371,078	39
22	41,2574	82,515	123,772	165,029	206,287	247,544	288,802	330,059	371,317	38
23	41,2839	82,568	123,851	165,135	206,419	247,703	288,987	330,271	371,555	37
24	41,3104	82,620	123,931	165,241	206,552	247,862	289,173	330,483	371,794	36
25	41,3369	82,673	124,010	165,347	206,684	248,021	289,358	330,695'	372,032	35
26	41,3634	82,726	124,090	165,453	206,817	248,180	289,544	330,907	372,270	34
27	41,3899	82,779	124,169	165 559	206,949	248,339	289,729	331,119	372,509	33
28	41,4163	82,832	124,249	165,665	207,081	248,498	289,914	331.331	372,747	32
29	41,4428	82,885	124,328	165,771	207,214	248,657	290,100	331,542	372,985	31
30	41,4693	82,938	124,408	165.877	207,346	248,816	290,285	331,754	373,224	30

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' *d*	27	53	80	106	133	159	186	212	239	*d*

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ми	00	10	20	30	40	50	60	70	80	90	•*jd*	27	53	80	106	133	159	186	212	239
100	41	45	49	53	58	62	66	70	74	78	6	3	5	8	11	13	16	19	21	24
200	. 82	86	90	94	99	103	107	111	115	119	7	3	6	9	12	15	t9	22	25	28
300	123	127	131	136	140	144	148	152	156	160	8	4	7	11	14	18	21	25	28	32
400	164	168	173	177	181	185	189	193	197	201	9	4	8	12	16	20	24	28	32	36
500	205	209	214	218	222	226	230	234	238	242	10	4	9	13	18	22	27	31	35	40
600	246	251	255	259	263	267	271	275	279	283	20	9	18	27	35	44	53	62	71	80
700	288	292	296	300	304	308	312	316	320	324	30	13	27	40	53	66	80	93	106	119
800	329	333	337	341	345	349	353	357	361	366	40	18	35	53	71	88	106	124	141	159
900	370	374	378	382	386	390	394	398	403	407	50	22	44	66	88	111	133	155	177	199

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'	100	200	300	400	500	600	700	800	900	/
30	90,9901	181,992	272,988	363,984	454,980	545,976	636,972	727,969	818,965	30
31	90,9840	181,968	272,952	363,936	454,920	545,904	636,888	727,872	818,856	29
32	90,9719	181,944	272,916	363,888	454,860	545,832	636,804	727,775	818,747	28
33	90,9599	181,919	272,879	363,839	454,799	545,759	636,719	727,679	818,639	27
34	90,9478	181,895	272,843	363,791	454,739	545,686	636,634	727,582	818,530	26
35	90,9357	181,871	272,807	363,742	454,678	545,614	636,550	727,485	818,421	25
36	90,9236	181,847	272,770	363,694	454,618	545,541	636,465	727,388	818,312	24
37	90,9115	181,823	272,734	363,646	454,557	545,469	636,380	727,292	818,203	23
38	90,8993	181,798	272,698	363,597	454,496	545,396	636,295	727,195	818,094	22
39	90,8872	181,774	272,661	363,549	454,436	545,323	636,210	727,098	817,985	21
40	90,8751	181,750	272,625	363,500	454,375	545,250	636,125	727,000	817,876	20
41	90,8629	181,726	272,589	363,451	454,314	545,177	636,040	726,903	817,766	19
42	90,8508	181,701	272,552	363,403	454,254	545,104	635,955	726,806	817,657	18
43	90,8386	181,677	272,516	363,354	454,193	545,032	635,870	726,709	817,548	17
44	90,8265	181,653	272,479	363,306	454,132	544,959	635,785	726,612	817,438	16
45	90,8143	181,628	272,443	363,257	454,071	544,885	635,700	726,514	817,328	15
46	90,8021	181,604	272,406	363,208	454,010	544,812	635,615	726,417	817,219	14
47	90,7899	181,579	272,369	363,159	453,949	544,739	635,529	726,319	817,109	13
48	90,7777	181,555	272,333	363,111	453,888	544,666	635,444	726,222	816,999	12
49	90,7655	181,531	272,296	363,062	.453,827	544,593	635,358	726,124	816,889	11
50	90,7533	181,506	272,260	363,013	453,766	544,520	635,273	726,026	816,780	10
51	90,7411	181,482	272,223	362,964	453,705	544,446	635,187	725,928	816,670	9
52	90,7288	181,457	272,186	362,915	453,644	544,373	635,102	725,831	816,560	8
53	90,7166	181,433	272,150	362,866	453,583	544,299	635,016	725,733	816,449	7
54	90,7044	181,408	272,113	362,817	453,522	544,226	634,930	725,635	816,339	6
55	90,6921	181,384	272,076	362,768	453,460	544,152	634,845	725,537	816,229	5
56	90,6798	181,359	272,039	362,719	453,399	544,079	634,759	725,439	816,119	4
57	90,6676	181,335	272,002	362,670	453,338	544,005	634,673	725,341	816,008	3
58	90,6553	181,310	271,966	362,621	453,276	543,932	634,587	725,242	815,898	2
59	90,6430	181,286	271,929	362,572	453,215	543,858	634,501	725,144	815,787	1
60	90,6307	181,261	271,892	362,523	453,153	543,784	634,415	725,046	815,677	0

t	100	200	300	400	500	600	700	800	900	'
d	12	24	37	49	61	73	85	97	110	*d*

t
+ 114°
—294°

Д *y* 65° sin

t
65°—
245°—

MU	00	10	20	30	40	50	60	70	80	90
100	91	100	109	118	127	136	145	154	163	173
200	182	191	200	209	218	227	236	245	254	263
300	272	282	291	300	309	318	327	336	345	354
400	363	372	381	391	400	409	418	427	436	445
500	454	463	472	481	490	499	509	518	527	536
600	545	554	563	572	581	590	599	608	618	627
700	636	645	654	663	672	681	690	699	708	717
800	72*1*	V36	745	754	763	772	781	790	799	808
Ü00	8i ;	826	83b	84b	854	863	872	881	890	899

/d	12	24	37	49	61	73	85	97	110
6	1	?	4	fi	fi	7	g	10	11
7	1	3	4	fi	7	q	10		13
8	?	3	5	6	8	10	11	13	15
9	*?*	4	5	7	q	11	13	15	16
10	*?,*	4	6	8	10	*V*	14	16	18
20	4	8	*1?*	16	’0	*4*	28	32	37
30	6	17	18	?4	30	*V*	43	49	55
40	8	16	?4	3’	41	49	^7	65	73
50	10	20	30	41	51	61	71	81	91

—204° +24° *i* sin 24» Ay 335“— 155°-t- ;

/	100	200	300	400	500	600	700	800	900	'
30	41,4693	82,938	124,408	165,877	207,346	248,816	290,285	331,754	373,224	30
31	41,4958	82,991	124,487	165,983	207,479	248,974	290,470	331,966	373,462	29
32	41,5222	83,044	124,566	166,089	207,611	249,133	290,655	332,178	373,700	28
33	41,5487	83,097	124,646	166,194	207,743	249,292	290,841	332,389	373,938	27
34	41,5751	83,150	124,725	166,300	207,875	249,451	291,026	332,601	374,176	26
35	41,6016	83,203	124,804	166,406	208,008	249,609	291,211	332,813	374,414	25
36	41,6280	83,206	124,884	166,512	208,140	249,768	291,396	333,024	374,652	24
37	41,6545	83,309	124,963	166,618	208,272	249,927	291,581	333,236	374,890	23
38	41,6809	83,362	125,043	166,723	208,404	250,085	291,766	333,447	375,128	22
39	41,7074	83,414	125,122	166,829	208,537	250,244	291,951	333,659	375,366	21
40	41,7338	83,467	125,201	166,935	208,669	250,403	292,137	333,870	375,604	20
41	41,7602	83,520	125,280	167,041	208,801	250,561	292,322	334,082	375,842	19
42	41,7867	83,573	125,360	167,146	208,933	250,720	292,507	334,293	376,080	18
43	41,8131	a3 ,626	125,439	167,252	209,065	250,878	292,692	334,505	376,318	17
44	41,8395	83,679	125,518	167,358	209,197	251,037	292,876	334,716	376,556	16
45	41,8659	83,732	125,598	167,463	209,329	251,195	293,061	334,927	376,793	15
46	41,8923	83,784	125,677	167,569	209,462	251,354	293,246	335,139	377,031	14
47	41,9188	83,837	125,756	167,675	209,594	251,512	293,431	335,350	377,269	13
48	41,9452	83,890	125,835	167,780	209,726	251,671	203,616	335,561	377,506	12
49	41,9716	83,943	125,914	167,886	209,858	251,829	293,801	335,773	.377,744	11
50	41,9980	83,996	125,994	167,992	209,990	251,988	293,986	335,984	377,982	10
51	42,0244	84,048	126,073	168,097	210,122	252,146	294,170	336,195	378,219	9
52	42,0508	84,101	126,152	168,203	210,254	252,304	294,355	336,406	378,457	8
53	42,0772	84,154	126,231	168,308	210,386	252,463	294,540	336,617	378,694	7
54	42,1035	84,207	126,310	168,414	210,518	252,621	294,725	336,828	378,932	6
55	42,1299	84,260	126,389	168,519	210,649	252,779	294,909	337,039	379,169	5
56	42,1563	84,312	126,469	168,625	210,781	252,938	295,094	337,250	379,407	4
57	42,1827	84,365	126,548	168,730	210,913	253,096	295,279	337,461	379,644	3
58	42,2091	84,418	126,627	168,836	211,045	253,254	295,463	337,672	379,881	2
59	42,2354	84,471	126,706	168,941	211,177	253,412	295,648	337,883	380,119	1
(¡0	42,2618	84,523	126,785	169,047	211,309	253,571	295,832	338,094	380,356	0

/	100	200	300	400	500	600	700	800	900	/
d	26	53	79	106	132	159	185	211	238	*d*

—114° +294° *&x* 65° eos 65“+ 245“—

мм	00	10	20	30	40	50	60	70	80	90
100	42	46	50	54	59	63	67	71	75	80
200	84	88	92	96	100	105	109	113	117	121
300	126	130	134	138	142	147	151	155	159	163
400	167	172	176	180	184	188	193	197	201	205
500	209	214	218	222	226	230	234	239	243	247
600	251	255	260	264	268	272	276	281	285	289
700	293	297	301	306	310	314	318	322	327	331
800	335	339	343	347	352	356	360	364	368	373
900	377	381	385	389	394	398	402	406	410	414

7 *d*	26	53	79	106	132	159	185	211	238
6	3	5	8	11	13	16	19	21	24
7	3	6	9	12	15	19	22	25	28
8	4	7	11	14	18	21	25	28	32
9	4	8	12	16	20	24	28	32	36
10	4	9	13	18	22	26	31	35	40
20	9	18	26	35	44	53	62	70	79
30	13	26,	40	53	66	79	93	106	119
40	18	35	53	70	88	106	123	141	159
50	22	44	66	88	110	132	154	17C	198

—205e +25* i | coe | 25e | Âs | 334°+ 154°— *

i	100	200	300	400	500	600	700	800	900	
0	90,6307	181,261	271,892	362,523	453,153	543,784	634,415	725,046	815,677	60
1	90,6184	181,237	271,855	362,474	453,092	543,710	634,329	724,947	815,566	59
2	90,6061	181,212	271,818	362,424	453,030	543,637	634,243	724,849	815,455	58
3	90,5938	181Д87	271,781	362,375	452,969	543,563	634,157	724,751	815,344	57
4	90,5815	181,163	271,744	362,326	452,907	543,489	634,070	724,652	815,233	56
5	90,5692	181,138	271,707	362,276	452,846	543,415	633,984	724,553	815,123	55
6	90,5568	181,113	271,670	362,227	452,784	543,341	633,898	724,455	815,012	54
7	90,5445	181,089	271,633	362,178	452,722	543,267	633,811	724,356	814,900	53
8	90,5321	181,064	271,596	362,128	452,661	543,193	633,725	724,257	814,789	52
9	90,5198	181,039	271,559	362,079	452,599	543,119	633,638	724,158	814,678	51
10	90,5074	181 ,M5	271,522	362,029	452,537	543,044	633,552	724,059	814,567	50
11	90,4950	180,990	271,485	361,980	452,475	542,970	633,465	723,960	814,455	49
12	90,4827	180,965	271,448	361,930	452,413	542,896	633379	723,861	814,344	48
13	90,4703	180,940	271,411	361,881	452,351	542,821	633,292	723,762	814,232	47
14	90,4579	180,915	271,373	361331	452,289	542,747	633,205	723,663	814,121	46
15	90,4455	180,891	271,336	361,782	452,227	542,673	633,118	723,564	814,009	45
16	90,4331	180,866	271,299	361,732	452,165	542,598	633,031	723,464	813,898	44
17	90,4206	180,841	271,262	361,682	452,103	542,524	632,944	723,365	813,786	43
18	90,4082	180,816	271,224	361,633	452,041	542,449	632,857	723,266	813,674	42
19	90,3958	180,791	271,187	361,583	451,979	542,375	632,770	723,166	813,562	41
20	90,3833	180,766	271,150	361,533	451,916	542,300	632,683	723,067	813,450	40
21	90,3709	180,741	271,112	361,483	451,854	542,225	632,596	722,967	813,338.	39
22	90,3584	180,717	271,075	361,433	451,792	542,150	632,509	722,867	813,226	38
23	90,3460	180,692	271,038	361,384	451,730	542,076	632,422	722,768	813,114	37
24	90,3335	180,667	271,000	361,334	451,667	542,001	632,334	722,668	813,001	36
25	90,3210	180,642	270,963	361,284	451,605	541,926	632,247	722,568	812,889	35
26	90,3085	180,617	270,925	361,234	451,542	541,851	632,160	722,468	812,777	34
27	90,2960	180,592	270,888	361,184	451,480	541,776	632,072	722,368	812,664	33
28	90,2835	180,567	270,850	361,134	451,417	541,701	631,985	722,268	812,552	32
29	90,2710	180,542	270,813	361,084	451,355	541,626	631,897	722,168	812,439	31
30	90,2585	180,517	270,775	361,034	451,292	541,551	631,809	722,068	812,326,	30
в	100	200	300	400	500	600	700	800	900	'
d	12	25	37	50	62	74	87	99	112	d

t 4-115° —285° | A? | 64* | sia | t 64°+ 244°—

	00	1 0	20	30	40	50	60	70	80	90
100	90	99	109	118	127	136	145	154	163	172
200	181	190	199	208	217	226	235	244	253	262
300	271	280	289	298	308	317	326	335	344	353
400	382	371	380	388	398	407	416	425	434	443
500	452	461	470	479	488	497	506	516	525	534
600	543	552	561	570	579	588	597	606	615	624
700	633	642	651	660	669	678	687	696	705	715
800	724	733	742	751	760	769	778	7C7	796	805
900	814	823	832	841	850	859	868	877	886	895

*/d	12	25	37	50	62	74	87	99	112
6			5			9	10	11	
7			6			10	12	13	
8			7	8	10	12	13	15	
9			7		11	13	15	17	
10			8	10	12	14	17	19	
20	8	12	17	21	25	29	33	37	
30	12	19	25	31	37	43	50	56	
40	8	17	25	33	41	50	58	66	74
50	10	21	31	41	52	62	72	83	93

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+25*
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•in 25° *Ay* 334°—
154°+
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t	100	200	300	400	500	600	700	800	900	/
0	42,2618	84,523	126,785	169,047	211,309	253,571	295,832	338,094	380,356	60
1	42,2881	.84,576	126,864	169,152	211,441	253,729	296,017	338,305	380,593	59
2	42,3145	84,629	126,943	169,258	211,572	253,887	296,201	338,516	380,831	58
3	42,3409	84,681	12Í.022	169,363	211,704	254,045	296,386	338,727	381,068	57
4	42,3672	84,734	127,101	169,469	211,836	254,203	296,570	338,938	381,305	56
5	42,3936	84,787	127,180	169,574	211,968	254,361	296,755	339,148	381,542	55
6	42,4199	84,839	127,259	169,679	212,099	254,519	296,939	339,359	381,779	54
7	42,4462	84,892	127,338	169,785	212,231	254,677	297,124	339,570	382,016	53
8	42,4726	84,945	127,417	169,890	212,363	254,835	297,308	339,781	382,253	52
9	42,4989	84,998	127,496	169,995	212,494	254,993	297,492	339,991	382,490	51
10	42,5252	85,050	127,575	170,101	212,626	255,151	297,677	340(202	382,727	50
11	42,5516	85,103	127,654	170,206	212,758	255,309	297,861	340,412	382,964	49
12	42,5779	85,155	127,733	170,311	212,889	255,467	298,045	340,623	383,201	48
13	42,6042	85,208	127,812	170,417	213,021	255,625	298,229	340,834	383,438	47
14	42,6305	85,261	127,891	170,522	213,152	255,783'	298,414	341,044	383,675	46
15	42,6568	85,313	127,970	170,627	213,284	255,941	298,598	341,255	383,911	45
16	42,6831	85,366	128,049	170,732	213,416	256,099	298,782	341,465	384,148	44
17	42,7094	85,419	128,128	170,838	213,547	256,257	298,966	341,675	384,385	43
18	42,7357	85,471	128,207	170,943	213,679	256,414	299,150	341,886	384,622	42
19	42,7620	85,524	128,286	171,048	213,810	256,572	299,334	342,096	384,858	41
20	42,7883	85,576	128,365	171,153	213,941	256,730	299,518	342,307	385,095	40
21	42,8146	85,629	128,444	171,258	214,073	256,888	299,702	342,517	385,332	39
22	42,8409	85,682	128,522	171,363	214,204	257,045	299,886	342,727	385,568	38
23	42,8672	-85,734	128,601	171,469	214,336	257,203	300,070	342,937	385,805	37
24	42.8935	85,787	128,680	171,574	214,467	257,361	300,254	343,148	386,041	36
25	42,9198	85,839	128,759	171,679	214,599	257,518	300,438	343,358	386,278	35
26	42,9460	85,892	128,838	171,784	214,730	257,676	300,622	343,568	386,514	34
27	42,9723	85,944	128,917	171,889	214,861	257,834	300,806	343,778	386,751	33
28	42,9986	85,997	128,995	171,994	214 993	257,991	300,990	343,988	386,987	32
29	43,0248	86,049	129,074	172,099	215,124	258,149	301,174	344,198	387,223	31
30	43,0511	86,102	129,153	172,204	215,255	258,306	301,357	344,409	387,460	30

/ •	100	200	300	400	500	600	700	800	900	*t*
d	26	53	79	105	132	158	184	210	237	*d*

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+295°

Ax 64° cos t
64°+
244°—

MM	00	10	20	30	40	50	60	70	80	90
10(i	43	47	51	55	60	64	68	73	77	81
200	85	90	94	98	102	107	111	115	119	124
300	128	132	137	141	145	149	154	158	162	166
400	171	175	179	183	188	192	196	200	205	209
500	213	218	222	226	230	235	239	243	247	252
ROD	256	260	264	269	273	277	282	286	290	294
700	?,9ft	303	307	311	316	320	324	328	333	337
800	341	346	350	354	358	363	367	371	375	380
900	384	388	392	397	401	405	410	414	418	422

•*Id*	26	53	79	105	132	158	184	210	237
6	3	5	8	11	13	16	18	21	24
7	3	6	9	12	15	18	21	2b	28
8	4	7	11	14	18	21	2b	28	32
9	4	8	12	16	20	24	28	32	36
10	4	9	13	18.	22	26	31	35	39
20	9	18	26	35	44	53	61	/0	/9
30	13	26	39	53	66	79	92	105	118
40	18	35	53	70	88	105	123	140	158
50	22	44	66	88	110	132	153	1/5	197

—205° +25° *i* cos 25° ***Ax*** 334°+ 154°— I

/	100	200	300	400	500	600	700	800	900	'
30	90,2585	180,517	270,7Î5	361,034	451,292	541,551	631,809	722,068	812,326	30
31	90,2460	180,492	270,738	360,984	451,230	541,476	631,722	721,968	812,214	29
32	90,2334	180,467	270,700	360,933	451,167	541,400	631,634	721,867	812,101	28
33	90,2209	180,441	270,662	360,883	451,104	541,325	631,546	721,767	811,988	27
34	90,2083	180,416	270,625	360,833	451,041	541,250	631,458	721,667	811,875	26
35	90,1958	180,391	270,587	360,783	450,979	541,175	631,370	721,566	811,762	25
36	90,1832	180,366	270,549	360,733	450,916	541,099	631,282	721,466	811,649	24
37	90,1706	180,341	270,512	360,682	450,853	541,024	631,194	721,365	811,536	23
38	90,1581	180,316	270,474	360,632	450,790	540,948	631,106	721,264	811,422	22
39	90,1455	180,291	270,436	360,582	450,727	540,873	631,018	721,164	811,309	21
40	90,1329	180,265	270,398	360,531	450,664	540,797	630,930	721,063	811,196	20
41	90,1203	180,240	270,361	360,481	450,601	540,721	630,842	720,962	811,082	19
42	90,1077	180,215	270,323	360,430	450,538	540,646	630,754	720,861	810,969	18
43	90,0950	180,190	270,285	360,380	450,475	540,570	630,665	720,760	810,855	17
44	90,0824	180,165	270,247	360,329	450,412	540,494	630,577	720,659	810,742	16
45	90,0698	180,139	270,209	360,279	450,349	540,419	630,488	720,558	810,628	15
46	90,0571	180,114	270,171	360,228	450,286	540,343	630,400	720,457	810,514	14
47	90,0445	180,089	270,133	360,178	450,222	540,267	630,311	720,356	810,400	13
48	90,0318	180,063	270,095	360,127	450,159	540,191	630,223	720,255	810,286	12
49	90,0192	180,038	270,057	360,076	450,096	540,115	630,134	720,153	810,173	11
50	90,0065	180,013	270,019	360,026	450,032	540,039	630,045	720,052	810,058	10
51	89,9938	179,987	269,981	359,975	449,969	539,963	629,957	719,950	809,944	9
52	89,9811	179,962	269,943	359,924	449,905-	539,887	629,868	719,849	809,830	8
53	89,9684	179,937	269,905	359,874	449,842	539,810	629,779	719,747	809,716	7
54	89,9557	179,911	269,867	359,823	449,778	539,734	629,690	719,646	809,602	6
55	89,9430	179,886	269,829	359.772	449,715	539,658	629,601	719,544	809,487	5
56	89,9303	179,860	269,791	359,721	449,651	539,582	629,512	719,442	809,373	4
57	89,9176	179,835	269,752	359,670	449,588	539,505	629,423	719,341	809,258	3
58	89,9049	179,809	269,714	359,619	449,524	539,429	629,334	719,239	809,144	2
59	89,8921	179,784	269,676	359,568	449,460	539,353	629,245	719,137	809,029	1
60	89,8794	179,758	269,638	359,517	449,397	539,276	629,155	719,035	808,914	0
'	100	200	300	400	500	600	700	800	900	'
a	13	25	38	51	63	76	88	101	114	***d***

t —215° + 195° A» 64° sin 6*1* 4- 244>

им <	DO 10	20 30	40 50 60	70 80 !	30 ***4d***	! 13 25	38 51 63	76 88 101 114
100	90 99	108 117	126 135 144 153 162 171 6			1 3	4 5 6	8 9 10 11
200	180 189	198 207	216 225 234 243 252 261 7			1 3	4 6 7	9 10 12 13
300	270 279	288 297	306 315 324 333 342 351 8			2 3	5 7 8	10 12 13 15
400	360 369	378 387	396 405 414 423 432 441 9			2 4	7 8 9	11 13 15 17
500	450 459	468 477	486 495 504 513 522 531 10			2 4	6 8 11	13 15 17 19
600	540 549	558 567	576 585 594 603 612 621 20			4 8	13 17 21	25 29 34 38
700	630 639	649 658	667 676 685 694 703 712 30			6 13	19 25 32	38 44 51 57
800	721 730	739 748	757 766 775 784 793 802 40			8 17	25 34 42	51 59 67 7»
Ç00	811 820	829 838	847 856 865 874 883 892 50			11 21	32 42 53	63 74 84 95

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$	100	200	300	400	500	600	700	800	900	/
30	43,0511	86,102	129,153	\172,204	215,255	258,306	301,357	344,408	387,460	30
31	43,0773	86,154	129,232	172,309	215,386	258,464	301,541	344,618	387,696	29
32	43,1036	86,207	129,310	172,414	215,518	258,621	301,725	344,828	387,932	28
33	43,1298	86,259	129,389	172,519	215,649	258,779	301,909	345,038	388,168	27
34	43,1561	86,312	129,468	172,624	215,780	258,936	302,092	345,248	388,405	26
35	43,1823	86,364	129,547	172,729	215,911	259,094	302,276	345,458	388,641	25
36	43,2085	86,417	129,625	172,834	216,042	259,251	302,460	345,668	388,877	24
37	43,2348	86,469	129,704	172,939	216,174	259,408	302,643	345,878	389,113	23
38	43,2610	86,522	129,783	173,044	216,305	259,566	302,327	346,088	389,349	22
39	43,2872	86,574	129,861	173,149	216,436	259,723	303,010	346,298	389,585	21
40	43,3134	86,627	129,940	173,254	216,567	259,880	303,194	346,507	389,821	20
41	43,3397	86,679	130,019	173,358	216,698	260,038	303,377	346,717	390,057	19
42	43,3659	86,731*	130,097	173,463	216,829	260,195	303,561	346,927	390,293	18
43	43,3921	86,784	130,176	173,568	216,960	260,352	303,744	347,137	390,529	17
44	43,4183	86,836	130,255	173,673	217,091	260 510	303,928	347,346	390,765	16
45	43,4445	86,889	130,333	173,778	217,222	260,667	304,111	347,556	391,000	15
46	43,4707	86,941	130,412	173,883	217,353	260,824	304,295	347,765	391,236	14
47	43,4969	86,993	130,490	173,987	217,484	260,981	304,478	347,975	391,472	13
48	43,5231	87,046	130,569	174,092	217,615	261,138	304,661	348,184	391,708	12
49	43,5493	87,098	130,647	174,197	217,746	261,295	304,845	348,394	391,943	11
50	43,5754	87,151	130,726	174,302	217,877	261,452	305,028	348,603	392,179	10
51	43,6016	87,203	130,805	174,406	218,008	261,610	305 211	348,813	392,415	9
52	43,6278	87,255	130,883	174,511	218,139	261,767	305,394	349,022	392,650	8
53	43,6540	87,308	130,962	174,616	218,270	261,924	305,578	349,232	392,886	7
54	43,6801	87,360	131,040	174,720	218,401	262,081	305,761	349,441	393,121	6
55	43,7063	87,412	131,119	174,825	218,531	262,238	305,944	349,650	393,357	5
56	43,7325	87,465	131,197	174,930	218,662	262,395	306,127	349,860	393,592	4
57	43,7586	87,517	131,276	175,034	218,793	262,552	306,310	350,069	393,828	3
58	43,7848	87,569	131,354	175,139	218,924	262,709	306,493	350,278	394,063	2
59	43,8109	87,622	131,433	175,243	219,054	262,865	306,676	350,487	394,298	1
60	43,8371	87,674	131,511	175,348	219,185	263,022	306,859	350,697	394,534	0

t	100	200 300	400	500	600	700	800	900	/
d	26	52 79	105	131	157	183	210	236	*d*

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IQI	00	10	20	30	40	50	60	70	80	90
100	43	48	52	56	61	65	70	74	78	83
200	87	91	96	100	104	109	113	117	122	126
300	130	135	139	143	147	152	156	161	165	lt>9
400	174	178	182	187	191	196	200	204	209	213
500	217	222	226	230	235	239	243	248	252	256
600	261	265	269	274	278	282	287	291	295	300
700	304	308	313	317	321	326	330	335	339	343
800	348	352	356	361	365	369	374	378	382	387 -
900	391	395	400	404	408	413	417	421	426	430

"Id	23	52	79	105	131	157	183	210	236
6	3	5	8	10	13	16	18	21	24
7	3	6	9	12	15	18	21	24	27
8	3	7	10	14	17	21	24	28	31
9	4	8	12	16	20	24	27	31	35
10	4	9	13	17	22	2tí	31	35	39
20	9	17	26	35	44	52	61	70	79
30	13	26	39	52	65	79	92	105	118
• 40	17	35	52	70	87	105	122	140	157
50	22	44	65	87	109	131	153	175	196

'	100	200	300	400	500	600	700	800	900	'
0	89,8794	179,758	269,638	359,517	449,397	539,276	629,155	719,035	808,914	60
1	89,8666	179,733	269,600	359,466	449,333	539,199	629,066	718,933	808,799	59
2	89,8538	179,707	269,561	359,415	449,269	539,123	628,977	718,831	808,685	58
3	89,8411	179,682	269,523	359,364	449,205	539,046	628,887	718,729	808,570	57
4	89,8283	179,656	269,485	359,313	449,141	538,970	628,798	718,626	808,455	56
5	89,8155	179,631	269,446	359,262	449,077	538,893	628,708	718,524	808,340	55
, в	•89,8027	179,605	269,408	359,211	449,013	538,816	628,619	718,422	808,224	54
7	89,7899	179,580	269,369	359,159	448,949	538,739	628,529	718,319	808,109	53
8	89,7771	179,554	269,331	359,108	448,885	538,662	628,440	718,217	807,994	52
9	89,7643	179,528	269,293	359,057	448.821	538,586	628,350	718,114	807,879	51
10	89,7515	179,503	269,254	359,006	448,757	538,509	628,260	718,012	807,763	50
11	89,7386	179,477	269,216	358,954	448,693	538,432	628,170	717,909	807,648	49
12	89,7258	179,451	269,177	358,903	448,629	538,355	628,080	717,806	807,532	48
13	89,7129	179,426	269,139	358,852	448,565	538,278	627,991	717,704	807,416	47
14	89,7001	179,400	269,100	358,800	448,500	538,200	627,901	717,601	807,301	46
15	89,6872	179,374	269,061	358,749	448,436	538,123	627,811	717,498	807,185	45
16	89,6744	179,348	269,023	358,697	448,372	538,046	627,720	717,395	807,069	44
17	89,6615	179,323	268,984	358,646	448,307	537,969	627,630	717,292	806,953	43
18	89,6486	179,297	268,946	358,594	448,243	537,891	627,540	717,189	806,837	42
19	89,6357	179,271	268,907	358,543	448,178	537,814	627,450	717,086	806,721	41
20	89,6228	179,245	268,868	358,491	448,114	537,737	627,360	716,982	806,605	40
21	89,6099	179,219	268,829	358,439	448,049	537,659	627,269	716,879t	806,489	39
22	89,5970	179,194	268,791	358,388	447,985	537,582	627,179	716,776	806,373	38
23	89,5841	179,168	268,752	358,336	447,920	537,504	627,088	716,672	806,257	37
24	89,5711	179,142	268,713	358,284	447,855	537,427	626,998	716,569	806,140	36
25	89,5582	179,116	268,674	358,233	447,791	537,349	626,907	716,465	806,024	35
26	89,5453	179,090	268,635	358,181	447,726	537,271	626,817	716,362	805,907	34
27	89,5323	179,064	268,597	358,129	447,661	537,194	626,726	716,258	805,791	33
28	89,5193	179,038	268,558	358,077	447,596	537,116	626,635	716,155	805,674	32
29	89,5064	179,012	268,519	358,025	447,532	537,038	626,544	716,051	805,557	31
30	89,4934	178,986	268,480	357,973	447,467	536,960	626,454	715,947	805,441	30
"	100	200	300	400	500	600	700	800	900	t
d	13	26	39	51	64	78	90	103	116	*d*

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мм	00	10	20	30	40	50	60	70	80	90	"Id	13	26	39	51	64	78	90	103	116
100	90	99	108	117	126	135	143	152	161	170	6	1	3	4	5	6	8	9	10	12
200	179	188	197	206	215	224	233	242	251	260	7	2	3	5	6	8	9	И	12	14
300	269	278	287	296	305	314	323	332	341	350	8	2	3	5	7	9	10	12	14	15
400	359	368	377	386	395	404	413	422	430	439	9	2	4	6	8	10	12	14	15	17
500	448	457	466	475	484	493	502	511	520	529	10	2	4	6	9	11	13	15	17	19
600	538	547	556	565	574	583	592	601	610	619	20	4	9	13	17	21	26	30	34	39
700	628	637	646	655	664	673	682	691	700	709	30	6	13	19	26	32	39	45	51	58
800	717	726	735	744	753	762	771	780	789	798	40	9	17	26	34	43	51	60	69	77
900	807	816	825	834	843	852	861	870	879	888	50	11	21	32	43	54	64	75	86	97

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t	100	200	300	400	500	600	700	800	900	
0	43,8371	87,674	131,511	175,348	219,185	263,022	306,859	350,697	394,534	60
1	43,8632	87,726	131,589	175,453	219,316	263,179	307,042	350,906	394,769	59
2	43,8894	87,778	131,668	175,557	219,447	263,336	307,225	351,115	395,004	58
3	43,9155	87,831	131,746	175,662	219,577	263,493	307,408	351,324	■395,239	57
4	43,9416	87,883	131,825	175,766	219,708	263,650	307,591	351,533	395,475	50
5	43,9678	87,935	131,903	175,871	219,839	263,806	307,774	351,742	395,710	55
6	43,9939	87,987	131,981	175,975	219,969	263,963	307,957	351,951	395,945	54
7	44,0200	88,040	132,060	176,080	220,100	264,120	308,140	352,160	39»,180	53
8	44,0461	88,092	132,138	176,184	220,230	264,277	308,323	352,369	396,415	52
9	44,0722	88,144	132,216	176,289	220,361	264,433	308,505	352,578	396,650	51
10	44,0983	88,196	132,295	176,393	220,491	264,590	308,688	352,787	396,885	50
И	44,1244	88,249	132,373	176,498	220,622	264,747	308,871	352,995	397,120	49
12	44,1505	88,301	132,451	176,602	220,753	264,903	309,054	353,204	397,355	48
13	44,1766	88,353	132,530	176,706	220,883	265,060	309,236	353,413	397,590	47
14	44,2027	88,405	132,608	176,811	221,013	265,216	309,419	353,622	397,825	46
15	44,2288	88,457	132,686	176,915	221,144	265,373	309,602	353,831	398,059	45
16	44,2549	88,510	132,764	177,019	221,274	265,529	309,784	354,039	398,294	44
17	44,2810	88,562	132,843	177,124	221,405	265,686	309,967	354,248	398,529	43
18	44,3071	88,614	132,921	177,228	221,535	265,842	310,149	354,457	398,764	42
19	44,3332	88,666	132,999	177,332	221,666	265,999	310,332	354,665	398,998	41
20	44,3592	88,718	133,077	177,437	221,796	266,155	310,514	354,874	399,233	40
21	44,3853	88,770	133,156	177,541	221,926	266,312	310,697	355,082	399,468	39
22	44,4114	88,822	133,234	177,645	222,057	266,468	310,879	355,291	399,702	38
23	44,4374	88,875	133,312	177,749	222,187	266,624	311,062	355,499	399,937	37
24	44,4635	88,927	133,390	177,854	222,317	266,781	311,244	355,708	400,171	36
25	44,4895	88,979	133,468	177,958	222,447	266,937	311,427	355,916	400,406	35
26	44,5156	89,031	133,546	178,062	222,578	267,093	311,609	356,125	400,640	34
27	44,5416	89,083	133,625	178,166	222,708	267,250	311,791	356,333	400,875	33
28	44,5677	89,135	133,703	178,270	222,838	267,406	311,974	356,541	401,109	32
29	44,5937	89,187	133,781	178,375	222,968	267,562	312,156	356,750	401,343	31
30	44,6197	89,239	133,859	178,479	223,099	267,718	312,338	356,958	401,578	30
l	100	200	300	400	500	600	700	800	900	'
d	26	52	78	104	130	156	183	209	235	d

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мм	00	10	20	30	40	50	60	70	80	90
100	44	49	53	57	62	66	71	75	80	84
200	88	93	97	102	106	111	115	119	124	128
300	133	137	142	146	150	155	159	164	168	172
400	177	181	186	190	195	199	203	208	212	217
500	221	226	230	234	239	243	248	252	257	261
600	265	270	274	279	283	287	292	296	301	305
700	310	314	318	323	327	332	336	341	345	349
800	354	358	363	367	372	376	380	385	389	394
900	398	402	407	411	416	420	425	429	433	438

"jd	26	52	78	104	130	156	183	209	235
6	3	5	8	10	13	16	18	21	23
7	3	6	9	12	15	18	21	24	¿7
8	3	7	10	14	17	21	24	28	31
9	4	8	12	16	20	23	27	31	35
10	•4	9	13	17	*22*	26	30	35	39
20	9	17	26	35	43	52	61	70	78‘
30	13	26	39	52	65	78	91	104	117
40	17	35	52	70	87	104	122	139	156
50	22	43	65	87	109	130	152	174	196

!	100	200	300	400	500	600	700	800	900	*/*
30	89,4934	178,986	268,480	357,973	447,467	536,960	626,454	715,947	805,441	30
31	89,4804	178,961	268,441	357,921	447,402	536,882	626,363	715,843	805,324	29
32	89,4674	178,935	268,402	357,869	447,337	536,804	626,272	715,739	805,207	28
33	89,4544	178,909	268,363	357,817	447,272	536,726	626,181	715,635	805,090	27
34	89,4414	178,883	268,324	357,765	447,207	536,648	626,090	715,531	804,973	26
35	89,4284	178,856	268,285	357,713	447,142	536,570	625,999	715,427	804,856	25
36	89,4154	178,830	268,246	357,661	447,077	536,492	625,908	715,323	804,738	24
37	89,4024	178,804	268,207	357,609	447,012	536,414	625,816	715,219	804,621	23
38	89,3893	178,778	268,168	357,557	446,946	536,336	625,725	715,114	804,504	22
39	89,3763	178,752	268,129	357,505	446,881	536,257	625,634	715,010	804,386	21
40	89,3632	178,726	268,089	357,453	446,816	536,179	625,542	714,906	804,269	20
41	89,3502	178,700	268,050	357,400	446,751	536,101	625,451	714,801	804,151	19
42	89,3371	178,674	268,011	357,348	446,685	536,022	625,360	714,697	804,034	18
43	89,3240	178,648	267,972	357,296	446,620	535,944	625,268	714,592	803,916	17
44	89,3109	178,622	267,933	357,244	446,555	535,865	625,176	714,487	803,798	16
45	89,2979	178,595	267,893	357,191	446,489	535,787	625,085	714,383	803,681	15
46	89,2848	178,569	267,854	357,139	446,424	535,708	624,993	714,278	803,563	14
47	89,2717	178,543	267,815	357,086	446,358	535,630	624,901	714,173	803,445	13
48	89,2585	178,517	267,775	357,034	446,293	535,551	624,810	714,068	803,327	12
49	89,2454	178,491	267,736	356,981	446,227	535,472	624,718	713,963	803,209	11
50	89,2323	178,464	267,697	356,929	446,161	535,394	624,626	713,858	803,091	10
51	89,2192	178,438	267,657	356,876	446,096	535,315	624,534	713,753	802,972	9
52	89,2060	178,412	267,618	356,824	446,030	535,236	624,442	713,648	802,854	8
53	89,1929	178,385	267,578	356,771	445,964	535,157	624,350	713,543	802,736	7
54	89,1797	178,359	267,539	356,719	445,898	535,078	624,258	713,438	802,617	6
55	89,1665	178,333	267,499	356,666	445,833	534,999	624,166	713,332	802,499	5
56	89,1534	178,306	267,460	356,613	445,767	534,920	624,074	713,227	802,380	4
57	89,1402	178,280	267,420	356,561	445,701	534,841	623,981	713,121	802,262	3
58	89,1270	178,254	267,381	356,508	445,635	534,762	623,889	713,016	802,143	2
59	89,1138	178,227	267,341	356,455	445,569	534,683	623,797	712,910	802,024	1
60	89,1006	178,201	267,302	356,402	445,503	534,604	623,704	712,805	801,905	0
t	100	200	300	400	500	600	700	800	900	*/*
d	13	26	39	52	65	79	92	105	118	*d*

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MU	00	10	20	30	40	50	60	70	80	90
100	89	98	107	116	125	134	143	152	161	170
200	179	188	196	205	214	223	232	241	250	259
300	268	277	286	295	304	313	321	330	3i)9	348
400	357	366	375	384	393	402	411	420	429	438
500	446	455	464	473	482	491	500	509	518	527
1III0	536	545	554	563	572	580	589	598	607	616
700	625	634	643	652	661	670	679	688	697	705
800	714	723	732	741	750	759	768	777	786	795
WXJ	804	813	822	830	839	848	857	866	875	884

•/*d*	13	26	39	52	65	79	92	105	118
6	1	3	4	5	7	8	9	10	1?
7	2	3	ñ	6	8	9	11	1?	14
8	2	3	5	7	9	10	12	14	16
9	2	4	6	8	10	*1?*	14	16	18
10	2	4	7	9	11	13	15	17	?n
20	4	9	13	17	*?,?,*	26	30	35	39
30	7	13	20	26	33	39	46	5?	59
40	9	17	26	35	44	52	61	70	78
50	11	22	33	44	54	'65	76	87	98

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′	100	200	300	400	500	600	700	800	900	′
30	44,6197	89,239	133,859	178,479	223,099	267,718	312,338	356,958	401,578	30
31	44,6458	89,291	133,937	178,583	223,229	267,874	312,520	357,166	401,812	29
32	44,6718	89,343	134,015	178,687	223,359	268,031	312,702	357,374	402,046	28
33	44,6978	89,395	134,093	178,791	223,489	268,187	312,885	357,582	402,280	27
34	44,7238	89,447	134,171	178,895	223,619	268,343	313,067	357,791	402,515	26
35	44,7499	89,499	134,249	178,999	223,749	268,499	313,249	357,999	402,749	25
36	44,7759	89,551	134,327	179,103	223,879	268,655	313,431	358,207	402,983	24
37	44,8019	89,603	134,405	179,207	224,009	268,811	313,613	358,415	403,217	23
38	44,8279	89,655	134,483	179,311	224,139	268,967	313,795	358,623	403,451	22
39	44,8539	89,707	134,561	179,415	224,269	269,123	313,977	358,831	403,685	21
40	44,8799	89,759	134,639	179,519	224,399	269,279	314,159	359,039	403,919	20
41	44,9059	89,811	134,717	179,623	224,529.	269,435	314,341	359,247	404,153	19
42	44,9319	89,863	134,795	179,727	224,659	269,591	314,523	359,455	404.387	18
43	44,9578	89,915	134,873	179,831	224,789	269,747	314,705	359,663	404,621	17
44	44,9838	89,967	134,951	179,935	224,91?	269,903	314,887	359,871	404,854	16
45	45,0098	90,019	135,029	180,039	225,049	270,059	315,069	360,078	405,088	15
46	45,0358	90,071	135,107	180,143	225,179	270,215	315,250	360,286	405,322	14
47	45,0617	90,123	135,185	180,247	225,309	270,370	315,432	360,494	405,556	13
48	45,0877	90,175	135,263	180,351	225,438	270,526	315,614	360,702	405,789	12
49	45,1137	90,227	135,341	180,454	225,568	270,682	315,796	360,909	406,023	11
50	45,1396	90,279	135,419	180,558	225,698	270,838	315,977	361,117	406,257	10
51	45,1656	90,331	135,496	180,662	225,828	270,993	316,159	361,325	406,490	9
52	45,1915	90,383	135,574	180,766	225,958	271,149	316,341	361,532	406,724	8
53	45,2175	90,435	135,652	180,870	226,087	271,305	316,522	361,740	406,957	7
54	45,2434	90,487	135,730	180,973	226,217	271,460	316,704	361,947	407,191	6
55	45,2694	90,538	135,808	181,077	226,347	271,616	316,885	362,155	407,424	5
56	45,2953	90,590	135,886	181,181	226,476	271,772	317,067	362,362	407,658	4
57	45,3212	90,642	135,963	181,285	226,606	271,927	317,249	362,570	407,891	3
58	45,3472	90,694	136,041	181,388	226,736	272,083	317,430	362,777	408,124	2
59	45,3731	90,746	136,119	181,492	226,865	272,238	317,612	362,985	408,358	1
60	45,3990	90,798	136,197	181,596	226,995	272,394	317,793	363,192	408,591	0
′	100	200	300	400	500	600	700	800	900	***0***
d	26	52	78	104	130	156	182	208	234	***d***

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Ax 63° cos

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im 00	10	20	30	40	50	60	70	80	90
100	45	50	54	59	63	68	72	77	81	86
200	90	95	99	104	108	113	117	122	126	131
300	135	140	144	149	153	158	162	167	171	176
400	180	185	189	194	198	203	207	212	216	221
500	225	230	234	239	243	248	252	257	261	266
600	270	275	279	284	288	293	297	302	306	311
700	315	320	324	329	333	338	342	347	351	356
800	360	365	369	374	378	383	387	392	396	401
900	405	410	414	419	423	428	432	437	442	446

′/***d*** 26	52	78	104	130	156	182	208	234
6	3	5	8	10	13	16	18	21	23
7	3	6	9	12	15	18	21	24	27
8	3	7	10	14	17	21	24	28	31
9	4	8	12	16	19	23	27	31	35
10	4	9	13	17	22	26	30	35	39
20	9	17	26	35	43	52	61	69	78
30	13	26	39	52	65	78	91	104	117
40	17	35	52	69	87	104	121	139	156
50	22	43	65	87	108	130	152	173	195

f	100	200	300	400	500	60Ó	700	800	900	$
0	89,1006	'178,201	267,302	356,402	445,503	534,604	623,704	712,805	801,905	60
1	89,0874	178,174	267,262	356,349	445,437	534,524	623,612	712,699	801,787	59
2	89,0742	178,148	267,222	356,297	445,371	534,445	623,519	712,593	801,668	58
3	89,0610	178,122	267,183	356,244	445,305	534,366	623,427	712,488	801,549	57
4	89,0477	178,095	267,143	356,191	445,238	534,286	623,334	712,382	801,430	56
5	89,0345	178,069	267,103	356,138	445,172	534,207	623,241	712,276	801,310	55
6	89,0212	178,042	267,063	356,085	.445,106	534,127	623,149	712,170	801,191	54
7	89,0080	178,016	267,024	356,032	445,040	534,048	623,056	712,064	801,072	53
8	88,9947	177,989	266,984	355,979	444,973	533,968	622,963	711,958	800,952	52
9	88,9815	177,963	266,944	355,926	444,907	533,889	622,870	711,852	800,833	51
10	88,9682	177,936	266,904	355,872	444,841	533,809	622,777	711,745	800,714	50
11	88,9549	177,909	266,864	355,819	444,774	533,729	622,684	711,639	800,594	49
12	88,9416	177,883	266,825	355,766	444,708	533,649	622,591	711,533	800,474	48
13	88,9283	177,856	266,785	355,713	444,641	533,570	622,498	711,426	800,355	47
14	88,9150	177,830	266,745	355,660	444,575	583,490	622,405	711,320	800,235	46
15	88,9017	177,803	266,705	355,606	444,508	533,410	622,312	711,213	800,115	45
Iß	88,8884	177,776	266,665	355,553	444,442	533,330	622,218	711,107	799,995	44
17	88,8750	177,750	266,625	355,500	444,375	533,250	622,125	711,000	799,875	43
18	88,8617	177,723	266,585	355,446	444,308	533,170	622,032	710,893	799,755	42
19	88,8483	177,696	266,545	355,393	444,241	533,090	621,938	710,787	799,635	41
20	88,8350	177,670	266,505	355,340	444,175	533,010	621,845.	710,680	799,515	40
21	88,8216	177,643	266,465	355,286	444,108	532,930	621,751	710,573	799,395	39
22	88,8083	177,616	266,424	355,233	444,041	532,849	621,658	710,466	799,274	38
23	88,7949	177,589	266,384	355 179	443,974	532,769	621,564	710,359	799,154	37
24	88,7815	177,563	266,344	355,126	443,907	532,689	621,470	710,252	799,033	36
25	88,7681	177,536	266,304	355,072	443,840	532,608	621,377	710,145	798,913	35
26	88,7547	177,509	266,264	355,019	443,773	532,528	621,283	710,038	798,792	34
27	88,7413	177,482	266,224	354,965	443,706	532,448	621,189	709,930	798,672	33
28	88,7279	177,455	266,183	354,911	443,639	532,367	621,095	709,823	798,551	32
29	88,7145	177,429	266,143	354,858	443,572	532,287	621,001	709,716	798,430	31
30	88,7010	177,402	266,103	354,804	443,505	532,206	620,907	709,608	798,309	**ro**

/	100	200	300	400	500	600	700	800	900	•
d	13	27	40	53	67	80	93	107	120	t

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Áy 62° sin 62°+
242°—

UM	00	10	20	30	40	50	60	70	80	90
100	89	98N	107	116	124	133	142	151	160	169
200	178	187	196	204	213	222	231	240	249	258
300	267	276	284	293	302	311	320	329	338	347
400	356	364	373	382	391	40ф	409	418	428	436
500	445	453	462	471	480	489	498	507	516	525
600	533	542	551	560	569	578	587	596	605	613
700	622	631	640	649	658	667	676	685	693	702
800	711	720	729	738	747	756	765	773	782	791
900	800	809	818	827	836	845	853	862	871	880

•*jd*	13	27	40	53	67	80	93	107	120
6	1	3	4	5	7	8	9	11	12
7	2	3	5	6	8	9	11	12	14
8	2	4	5	7	9	11	12	14	16
9	2	4	6	8	10	12	14	16	18
10	2	4'	7	9	11	13	16	18	20
20	4	9	13	18	22	27	31	36	40
30	7	13	20	27	33	40	47	53	60
40	9	18	27	36	44	53	62	71	80
50	11	22	33	44	56	67	78	89	100

/	100	200	300	400	500	600	700	800	900 '	
0	45,3990	90,798	136,197	181,596	226,995	272,394	317,793	363,192	408;591	60
1	45,4249	90,850	136,274	181,699	227,124	272,549	317,974	363,399	408,824	59
2	45,4508	90,901	136,352	181,803	227 254	272,705	318,156	363,607	409,058	58
3	45,4767	90,953	136,430	181,907	227,384	272,860	318,337	363,814	409,291	57
4	45,5027	91,005	136,508	182,010	227,513	273.016	318,518	364,021	409,524	56
5	45,5286	91,057	136,585	182,114	227,643	273,171	318,700	364,228	409,757	55
6	45,5545	91,109	136,663	182,218	227,772	273,327	318,881	364,436	409,990	54
7	45,5803	91,160	136,741	182,321	227,902	273,482	319,062	364,643	410,223	53
8	45,6062	91,212	136,818	182,425	228,031	273,637	319,244	364,850	410,456	52
9	45,6321	91,264	136,896	182,528	228,160	273,793	319,425	365,057	410,689	51
10	45,6580	91,316	136,974	182,632	228,290	273,948	319,606	365,264	410,922	50
11	45,6839	91,367	137,051	182,735	228,419	274,103	319,787	365,471	411,155	49
12	45,7098	91,419	137,129	182,839	228,549	274,258	319,968	365,678	411,388	48
13	45,7356	91,471	137,207	182,942	228,678	274,414	320,149	365,885	411,621	47
14	45,7615	91,523	137,284	183.046	228,807	274,569	320,330	366,092	411,853	46
15	45,7874	91,574	137,362	183,149	228,937	274,724	320,511	366,299	412,086	45
16	45,8132	91,626	137,439	183,253	229,066	274,879	320,692	366,506	412,319	44
17	45,8391	91,678	137,517	183,356	229,195	275,034	320.873	366,712	412,552	43
18	45,8649	91,730	137,594	183,459	229,324	275,189	321,054	366,919	412,784	42
19	45,8908	91,781	137,672	183,563	229,454	275,344	321,235	367,126	413,017	41
20	45,9166	91,833	137,750	183,666	229,583	275,499	321,416	367,333	413.24»	40
21	45,9424	91,885	137,827	183,770	229,712	275,655	321,597	367,539	413,482	39
22	45,9683	91,936	137,905	183,873	229,841	275,810	321,778	367,746	413,714	38
23	45,9941	91,988	137,982	183,976	229,970	275,965	321,959	367,953	413,947	37
24	46,0199	92,040	138,060	184,080	230,100	276,119	322,139	368,159	414,179	36
25	46,0458	92,091	133,137	184,183	230,229	276,274	322,320	368,366	414,412	35
26	46,0716	92,143	138,214	184,286	230,358	276,429	322,501	368,573	414,644	34
27	46,0974	92,194	138,292	184,389	230,487	276,584	322,682	368,779	414,877	33
28	46,1232	92,246	138,369	184,493	230,616	276,739	322,862	368,986	415,109	32
29	46,1490	92.298	138,447	184,596	230.745	276,894	323,043	369 192	415,341	31
30	46.1748	92.349	138,524	184.699	230,874	277,049	323,224	369,399	415,578	30
'	100	200	300	400	500	600	700	800	900	'
d	26	52	78	103	129	155	181	207	233	*d*

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ми 00	10	20	30		40	50	60		70	80	90
100	4Ь	60	55	60	64	69	73	78	82	87	
200	92	96	101	105	110	114	119	124	128	133	
300	137	142	147	151	156	160	165	169	174	179	
400	183	188	192	197	201	206	211	215	220	224	
500	229	234	238	243	247	252	256	261	266	270	
600	275	279	284	288	293	298	302	307	311	316	
700	321	325	330	334	339	343	348	353	357	362	
800	366	371	375	380	385	389	394	398	403	408	
900	412	417	421	426	430	435	440	444	449	453	

4d	26	52	78	103	129	155	181	207	233
6	3	5	8	10	13	16		21	23
7	3	6	9	12	15	18	*21*	24	27
8	3	7	10	14	17	21	24	28	31
9	4	8	12	16	19	23	27	31	35
10	4	9	13	17	22	24	30	34	39
20	9	17	26	34	43	52	60	69	78
30	13	26	39	52	65	78	91	103	116
40	17	34	52	69	86	103	121	138	155
50	22	43	65	86	108	129	151	172	194

/	100	200	300	400	500	600	700	800	900	t
30	88,7010	177,402	266,103	354,804	443,505	532,206	620,907	709,608	798,309	30
31	88,6876	177,375	266,063	354,750	443,438	532,125	620,813	709,501	798,188	29
32	88,6742	177,348	266,022	354,696	443,371	532,045	620,719	709,393	798,067	28
33	88,6607	177,321	265,982	354,643	443,303	531,964	620,625	709,286	797,946	27
34	88,6473	177,294	265,941	354,589	443,236	531,883	620,531	709,178	797,825	26
35	88,6338	177,267	265,901	354,535	443,169	531,803	620,436	709,070	797,704	25
3(5	88,6203	177,240	265,861	354,481	443,101	531,722	620,342	708,962	797,583	24
37	88,6068	177,213	265,820	354,427	443,034	531,641	620,248	708,855	797,461	23
38	88,5933	177,186	265,780	354,373	442,967	531,560	620,153	708,747	797,340	22
39	88,5799	177,159	265,739	354,319	442,899	531,479	620,059	708,639	797,219	21
40	88,5663	177,132	265,699	354,265	442,832	53.1,398	619,964	708,531	797,097	20
41	88,5528	177,105	265,658	354,211	442,764	531,317	619,870	708,423	796,976	19
42	88,5393	177,078	265,618	354,157	442,696	531,236	619,775	708,314	796,854	18
43	88,5258	177,051	265,577	354,103	442,629	531,155	619,680	708,206	796,732	17
44	88,5123	177,024	265,537	354,049	442,561	531,073	619,586	708,098	796,610	16
45	88,4987	176,997	265,496	353,995	442,493	530,992	619,491	707,990	796,488	15
46	88,4852	176,970	265,455	353,940	442,426	530,911	619,396	707,881	796,367	14
47	88,4716	176,943	265,415	353,886	442,358	530,830	619,301	707,773	796,245	13
48	88,4581	176,916	265,374	353,832	442,290	530,748	619,206	707,664	796,122	12
49	88,4445	176,889	265,333	353,778	442,222	530,667	619,111	707,556	796,000	11
50	88,4309	176,861	265,292	353,723	442,154	530,585	619,016	707,447	795,878	10
51	88,4173	176,834	265,252	353,669	442,086	530.504	618,921	707,339	795,756	9
5'.	88,4037	176,807	265,211	353,615	442,018	530,422	618,826	707,230	795,634	8
53	88,3901	176,780	265,170	353,560	441,950	530,341	618,731	707,121	795,511	7
54	88,3765	176,753	265,129	353,506	441,882	530,259	618,636	707,012	795,389	6
55	88,3629	176,725	265,088	353,451	441,814	530,177	618,540	706,903	795,266	5
56	88,3493	176,698	265,048	353,397	441,746	530,096	618,445	706,794	795,144	4
57	88,3357	176,671	265,007	353,342	441,678	530,014	618,349	706,685	795,021	3
• 58	88,3220	176,644	264,966	353,288	441,610	529,932	618,254	706,576	794,898	2
• 59	88,3084	176,616	264,925	353,233	441,542	529,850	618,158	706,467	794,775	1
60	88,2947	176,589	264,884	353,179	441,473	528,768	618,063	706,358	794,652	0
'	100	200	300	400	500	600	700	800	900	/
d	14	27	41	54	68	81	95	108	122	*d*

+ 117° —297° Д *v* 62° sin 62°+ 242“—

им	00	10	20	30	40	50	60	70	80	90	"Id	14	27	41	54	68	81	95	103	122
100	88	97	106	115	123	132	142	150	159	168	6	1	3	4	5	7	8	9	11	12
200	177	186	195	204	212	221	230	239	248	257	7	2	3	5	6	8	9	11	13	14
300	265	274	283	292	301	310	319	327	336	345	8	2	4	5	7	9	11	13	14	16
400	354	.363	372	381	389	398	407	416	425	434	9	2	4	6	8	10	12	14	16	18
500	442	451	460	469	478	487	496	504	513	522	10	2	5	7	9	11	14	16	18	20
600	531	540	549	558	566	575	5S4	593	602	611	20	5	9	14	18	23	27	32	36	41
700	619	628	637	646	655	664	673	681	690	699	30	7	14	20	27	34	41	47	54	61
800	708	717	726	735	743	752	761	770	779	788	40	9	18	27	36	45	54	63	72	81
900	796	805	814	823	832	841	850	858	867	876	50	11	23	34	45	56	68	79	90	102

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i	100	200	300	400	500	600	700	800	900	*t*
30	46,1748	92,349	138,524	184,699	230,874	277,049	323,224	369,398	415,573	30
31	46,2006	92,401	138,602	184,802	231,003	277,204	323,404	369,605	415,806	29
32	46,2264	92,453	138,679	184,905	231,132	277,358	323,585	369,811	416,038	28
33	46,2522	92,504	138,756	185,009	231,261	277,513	323,765	370,018	416,270	27
34	46,2780	92,556	138,834	185,112	231,390	277,668	323,946	370,224	416,502	26
35	46,3038	92,607	138,911	185,215	231,519	277,823	324,126	370,430	416,734	25
36	46,3296	92,659	138,988	185,318	231,648	277,977	324,307	370,636	416,966	24
37	46,3553	92,710	139,066	185,421	231,777	278,132	324,487	370,843	417,198	23
38	46,3811	92,762	139,143	185,524	231,905	278,287	324,668	371,049	417,430	22
39	46,4069	92,813	139,220	185,627	232,034	278,441	324,848	371,255	417,662	21
40	46,4326	92,865	139,298	185,730	232,163	278,596	325,028	371,461	417,894	20
41	46,4584	92,916	139,375	185,833	232,292	278,750	325,209	371,667	418,126	19
42	46,4842	92,968	139,452	185,936	232,421	278,905	325,389	371,873	418,357	18
43	46,5099	93,020	139,529	186,039	232,549	279,059	325,569	372,079	418,589	17
44	46,5357	93,071	139,607	186,142	232,678	279,214	325,750	372,285	418,821	16
45	46,5614	93,123	139,684	186,245	232,807	279,368	325,930	372,491	419 053	15
46	46,5872	93,174	139,761	186,348	232,936	279,523	326,110	372,697	419,284	14
47	46,6129	93,225	139,838	186,451	233,064	279,677	326,290	372,903	419,516	13
48	46,6386	93,277	139,916	186,554	233,193	279,832	326,470	373,109	419,748	12
49	46,6644	93,328	139,993	186,657	233,322	279,986	326,650	373,315	419,979	11
50	46,6901	93,380	140,070	186,760	233,450	280,140	326,830	373,521	420,211	10
51	46,7158	93,431	140,147	186,863	233,579	280,295	327,010	373,726	420,442	9
52	46,7415	93,483	140,224	186,966	233,707	280,449	327,191	373,932	420,674	8
53	46,7672	93,534	140,301	187,069	233,836	280,603	327,371	374,138	420,905	7
54	46,7929	93,586	140,379	187,172	233,965	280,757	327,550	374,343	421,136	6
55	46,8186	93,637	140,456	187,274	234,093	280,912	327,730	374,549	421,368	5
56	46,8444	93,688	140,533	187,377	234,222	281,066	327,910	374,755	421,599	4
57	46,8700	93,740	140,610	187,480	234,350	281,220	328,090	374,960	421,830	3
58	46,8957	93,791	140,687	187,583	234,479	281,374	328,270	375,166	422,062	2
59	46,9214	93,843	140,764	187,685	234,607	281,528	328,450	375,371	422,293	1
60	46,9471	93,894	140,841	187,788	234,735	281,683	328,630	375,577	422,524	0
/	100	200	300	400	500	600	700	800	900	*t*
d	26	51	77	103	129	154	180	206	232	***d***

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+297° ***&x*** 62° cos 242°—

им	00	10	20	30	40	50	60	70	80	90
100	47	51	56	61	65	70	74	79	84	88
200	93	98	102	107	112	116	121	126	130	135
300	140	144	149	154	158	163	168	172	177	182
400	186	191	196	200	205	210	214	219	223	228
500	233	237	242	247	251	256	261	265	270	275
600	279	284	289	293	298	303	307	312	217	321
700	326	331	335	340	345	349	354	359	363	368
800	372	377	382	386	391	396	400	405	410	414
900	419	424	428	433	438	442	447	452	456	461

"Id	26	51	77	102	129	154	180	206	232
6	3	5	8	10	13	15	18	21	23
7	3	6	9	12	15	18	21	24	27
8	3	7	10	14	J7	21	24	27	31
9	4	8	12	15	19	23	27	31	35
10	4	9	13	17	21	26	30	34	39
20	9	17	26	34	43	51	60	69	77
30	13	26	39	51	64	77	90	103	116
40	17	34	51	67	86	103	120	137	154
50	21	43	64	86	107	129	150	172	193

/	100	200	300	400	500	600	700	800	900	
0	88,2947	176,589	264,884	353,179	441,473	529,768	618,063	706,358	794,652	во
1	88,2811	176,562	264,843	353,124	441,405	529,686	617,967	706,248	794,529	59
2	88,2674	176,534	264,802	353,069	441,337	529,604	617,872	706,139	794,406	58
3	88,2537	176,507	264,761	353,015	441,268	529,522	617,776	706,030	794,283	57
4	88,2400	176,480	264,720	352,960	441,200	529,440	617,680	705,920	794,160	56
5	88,2263	176,452	264,679	352,905	441,132	529,358	617,584	705,811	794,037	55
fl	88,2126	176,425	264,638	352,850	441,063	529,276	617,488	705,701	793,914	54
7	88,1989	176,398	264,597	352,796	440,995	529,193	617,392	705,591	793,790	53
8	88,1852	176,370	264,555	352,741	440,926	529,111	617,296	705,482	793,667	52
g	88,1715	176,343	264,514	352,686	440,857	529,029	617,200	705,372	793,544	51
10	88,1578	176,315	264,473	352,631	440,789	528,947	617,104	705,262	793,420	50
11	88,1440	176,288	264,432	352,576	440,720	528,864	617,008	705,152	793,296	49
12	88,1303	176,260	264,391	352,521	440,651	528,782	616,912	705,042	793,173	48
13	88,1166	176,233	264,349	352,466	440,583	528,699	616,816	704,932	793,049	47
14	88,1028	176,205	264,308	352,411	440,514	528,617	616,719	704,822	792,925	46
15	88,0890	176,178	264,267	352,356	440,445	528,534	616,623	704,712	792,801	45
16	88,0753	176,150	264,226	352,301	440,376	528,451	616,527	704,602	792,677	44
17	88,0615	176,123	264,184	352,246	440,307	528,369	616,430	704,492	792,553	43
18	88,0477	176,095	264,143	352,191	440,238	528,286	616,334	704,381	792,429	42
19	88,0339	176,067	204,101	352,135	440,169	528,203	616,237	704,271	792,305	41
20	88,0201	176,040	264,060	352,080	440,100	528,120	616,141	704,161	792,181	40
21	88,0063	176,012	264,019	352,025	440,031	528,038	616,044	704,050	792,057	39
22	87,9925	175,985	263,977	351,970	439,962	527,955	615,947	703,940	791,932	38
23	87,9786	175,957	263,936	351,914	439,893	527,872	615,850	703,829	791,808	37
24	87,9648	175,929	243,894	351,859	439,824	527,789	615,754	703,718	791,683	36
25	87,9510	175,902	263,853	351,804	439,755	527,706	615,657	703,608	791,559	35
26	87,9371	175,874	263,811	351,748	439,685	527,623	615,560	703,497	791,434	34
27	87,9233	175,846	263,770	351,693	439,616	527,540	615,463	703,386	791,309	33
28	87,9094	175,819	263,728	351,637	439,547	527,456	615,366	703,275	791,185	32
29	87,8955	175,791	263,686	351,582	439,478	527,373	615,269	703,164	791,060	31
30	87,8817	175,763	263,645	351,526	439,408	527,290	615,172	703,053	790,935	30
'	100	200	300	400	500	600	700	800	900	'
á	14	27	41	55	69	83	96	110	124	*d*

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мм	00 10	20 30	40 50 60	70 80	90 *Id 14 27	41 55 69	83 96	110 124
100	88 97	106 115	123 132 141 150 159		167 6	1 3	4 6 7	8 10 11 12
200	176 185	194 203	211 220 229 238 247 :		255 7	2 3	5 6 8	10 11 13 14
500	264 273	282 291	300 308 317 326 335 ;		344 8	2 4	6 7 9	11 13 15 17
400	;352 361	370 379	388 396 405 414 423 ■		432 9	2 4	6 8 10	12 14 17 19
500	440 449	458 467	476 484 493 502 911 1		520 10	2 5	7 9 11	14 16 18 21
600	;529 537	546 555	564 573 581 590 599 i		608 20	i 5 9	14 18 23	28 32 37 41
700	617 625	634 643	652 661 669 678 687 i		696 30	i 7 14	21 28 34	41 48 55 62
800	705 714	722 731	740 749 758 766 775		784 40	9 18	28 37 46	55 64 73 83
900	793 802	810 819	828 837 846 854 863 :		872 50	i 11 23	34 46 57	69 80 92 103

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/	100	200	300	400	500	600	700	800	900	*t*
0	46,9471	93,894	140,841	187,788	234,735	281,683	328,630	375,577	422,524	60
1	46,9728	93,945	140,918	187,891	234,864	281,837	328,809	375,782	422,755	59
2	46,9985	93,997	140,995	187,994	234,992	281,991	328,989	375,988	422,986	58
3	47,0241	94,048	141,072	188,096	235,121	282,145	329,169	376,193	423,217	57
4	47,0498	94,099	141,149	188,199	235,249	282,299	329,349	376,398	423,448	56
5	47,0755	94,151	141,226	188,302	235,377	282,453	329,528	376,604	423,679	55
6	47,1011	94,202	141,303	188,404	235,506	282,607	329,708	376,809	423,910	54
7	47,1268	94,253	141,380	188,507	235,634	282,761	329,888	377,014	424,141	53
8	47,1525	94,305	141,457	188,610	235,762	282,915	330,067	377,220	424,372	52
9	47,1781	94,356	141,534	188,712	235,890	283,069	330,247	377,425	424,603	51
10	47,2038	94,407	141,611	188,815	236,019	283,222	330,426	377,630	424,834	50
11	47,2294	94,458	141,688	188,917	236,147	283,376	330,606	377,835	425,065	49
12	47,2550	94,510	141,765	189,020	236,275	283,530	330,785	378,040	425,295	48
13	47,2807	94,561	141,842	189,122	236,403	283,684	330,965	378,245	425,526	47
14	47,3063	94,612	141,919	189,225	236,531	283,838	331,144	378,450	425,757	46
15	47,3319	94,664	141,996	189,327	236,659	283,991	331,323	378,655	425,987	45
16	47,3575	94,715	142,072	189,430	236,788	284,145	331,503	378,860	426,218	44
17	47,3832	94,766	142,149	189,532	236,916	284,299	331,682	379,065	426,448	43
18	47,4088	94,817	142,226	189,635	237,044	284,453	331,861	379,270	426,679	42
19	47,4344	94,868	142,303	189,737	237,172	284,606	332,041	379,475	426,909	41
20	47,4600	94,920	142,380	189,840	237,300	284,760	332,220	379,680	427,140	40
21	47,4856	94,971	142,457	189,942	237,428	284,913	332,399	379,885	427,370	39
22	47,5112	95,022	142,533	190,045	237,556	285,067	332,578	380,090	427,601	38
23	47,5368	95,073	142,610	190,147	237,684	285,221	332,757	380,294	427,831	37
24	47,5624	95,124	142,687	190,249	237,812	285,374	332,937	380,499	428,061	36
25	47,5880	95,176	142,764	190,352	237,940	285,528	333,116	380,704	428,292	35
26	47,6136	95,227	142,840	190,454	238,068	285,681	333,295	380,908	428,522	34
27	47,6391	95,278	142,917	190,556	238,195	285,835	333,474	381,113	428,752	33
28	47,6647	95,329	142,994	190,659	238,323	285,988	333,653	381,318	428,982	32
29	47,6903	95,380	143,071	190,761	238,451	286,141	333,832	381,522	429,212	31
30	47,7158	95,431	143,147	190,863	238,579	286,295	334,011	381,727	429,443	30
′	100	200	300	400	500	600	700	800	900	′
d	26	51	77	102	128	154	179	205	231	*d*

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UM	00	10	20	30	40	50	60	70	80	90
100	47	52	57	62	66	71	76	80	85	90
200	95	99	104	109	114	118	123	128	133	137
300	142	147	151	156	161	166	170	175	180	185
400	189	194	199	204	208	213	218	222	227	232
500	237	241	246	251	256	260	265	270	275	279
600	284	289	293	298	303	308	312	317	322	327
700	331	336	341	346	350	355	360	364	369	374
800	379	383	388	393	398	402	407	412	417	421
900	426	431	435	440	445	450	454	459	464	469

4d	26	51	77	102	128	154	179	205	231
6	3	5	8	10	13	15	18	20	23
7	3	6	9	12	15	18	21	24	27
8	3	7	10	14	17	20	24	27	31
9	4	8	12	15	19	23	27	31	35
10	4	9	13	17	21	26	30	34	38
20	9	17	26	34	43	51	60	68	77
30	13	26	38	51	64	77	90	102	115
40	17	34	51	68	85	102	120	137	154
50	21	43	64	85	107	128	149	171	192

	100	200	300	400	500	600	700	800	900	*f*
30	87,8817	175,763	263,645	351,526	439,408	527,290	615,172	703,053	790,935	30
31	87,8678	175,735	263,603	351,471	439,339	527,207	615,074	702,942	790,810	29
32	87,8539	175,707	263,561	351,415	439,269	527,123	614,977	702,831	790,685	28
33	87,8400	175,680	263,520	351,360	439,200	527.040	614,880	702,720	790,560	27
34	87,8261	175,652	263,478	351,304	439,130	526,956	614,783	702,609	790.435	26
35	87 8122	175,624	263,436	351,248	439,061	526,873	614,685	702,497	790,310	25
36	87,7983	175,596	263,394	351,193	438,991	526,789	614,588	702,386	790,184	24
37	87,7843	175,568	263,353	351,137	438,921	526,706	614,490	702,275	790,059	23
38	87,7704	175,540	263,311	351,081	438,852	526,622	614,393	702,163	789,933	22
39	87,7564	175,513	263,269	351,026	438,782	526,539	614,295	702,052	789,808	21
40	87,7425	175,485	263,227	350,970	438,712	526,455	614,197	701,940	789,682	20
41	87,7285	175,457	263,185	350,914	438,643	526,371	614,100	701,828	789,557	19
42	87,7146	175,429	263,143	350,858	438,573	526,287	614,002	701,717	789,431	18
43	87,7006	175,401	263,102	350,802	438,503	526,203	613,904	701,605	789,305	17
44	87,6866	175,373	263,060	350,746	438,433	526,120	613,806	701,493	789,180	16
45	87,6726	175,345	263,018	350,690	433,363	526,036	613,708	701,381	789,054	15
46	87,6586	175,317	262.976	350,634	438,293	525,952	613,610	701,269	788,928	14
47	87,6446	175,289	262,934	350,578	438,223	525,868	613,512	701,157	788,802	13
48	87,6306	175,261	262,892	350,522	438,153	525,784	613,414	701,045	788,676	12
49	87,6166	175,233	262,850	350,466	438,083	525,700	613,316	700,933	788,549	11
50	87,6026	175,205	262,807	350,410	438,013	525,615	613,218	700,821	788,423	10
il	87,5886	175,177	262,765	350,354	437,943	525,531	613,120	700,708	788,297	9
52	87,5745	175,149	262,723	350,298	437,872	525,447	613,021	700,596	788,171	8
53	87,5605	175,121	262,681.	350,242	437,802	525,363	612,923	700,484	788,044	7
54	87,5464	175,093	262,639	350,185	437,732	525,278	612,825	700,371	787,918	6
55	87,5324	175,064	262,597	350,129	437,662	525,194	612,726	700,259	787,791	5
56	87,5183	175,036	262,555	350,073	437,591	525,110	612,628	700,146	787,665	4
57	87,5042	175,008	262,512	350,017	437,521	525,025	612,529	700,034	787,538	3
58	87,4901	174,980	262,470	349,960	437,450	524,941	612,431	699,921	787,411	2
59	87,4760	174,952	262,428	349,904	437,380	524,856	612,332	699,808	787,284	1
60	87,4619	174,924	262,386	349,847	437,309	524,771	612,233	699,695	787,157	0
/	100	200	300	400	500	600	700	800	900	*t*
d	14	28	42	56	70	84	98	112	126	*d*

+ Îl8° —298° *Ay* 61° sin t 61°+ 241°—

мм	00	10	20	30	40	50	60	70	80	90
100	88	96	105	114	123	132	140	149	158	167
200	175	184	193	202	210	219	228	237	245	254
300	263	272	281	289	298	307	316	324	333	342
400	351	359	368	377	386	395	403	412	421	430
500	438	447	456	465	473	482	491	500	509	517
600	526	535	544	552	561	570	579	587	596	605
700	614	622	631	640	649	658	666	675	684	693
800	701	710	719	728	736	745	754	763	772	780
900	789	798	807	815	824	833	842	850	859	868

'Id	14	28	42	56	70	84	98	112	126
6	1	3	4	6	7	8	10	11	13
7	2	3	5	7	8	10	11	13	15
8	2	4	6	• 7	9	11	13	15	17
9	2	4	6	8	10	13	15	17	19
10	2	5	7	9	12	14	16	19	21
20	5	9	14	19	23	28	33	•37	42
30	7	14	21	28	35	42	49	56	63
40	9	19	28	37	47	56	65	75	84
50	12	23	35	47	58	70	82	93	105

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f	100	200	300	400	500	600	700	800	900	/
30	47,7158	95,431	143,147	190,863	238,579	286.295	334,011	381,727	429,442	30
31	47,7414	95,482	143,224	190,965	238,707	286,448	334,190	381,931	429,673	29
32	47,7670	95,534	143,301	191,068	238,835	286,602	334,369	382,136	429,903	28
33	47,7925	95.585	143,377	191,170	238,962	286,755	334,547	382,340	430,133	27
34	47,8181	95,636	143,454	191,272	239,090	286,908	334,726	382,544	430,362	26
35	47,8436	95,687	143,531	191,374	239,218	287,061	334,905	382,749	430,592	25
36	47,8691	95,738	143,607	191,476	239,346	287,215	335,084	382,953	430,822	24
37	47,8947	95,789	143,684	191,578	239,473	287,368	335,263	383,157	431,052	23
38	47,9202	95,840	143,760	191,681	239,601	287,521	335,441	383,362	431,282	22
39	47,9457	95,891	143,837	191,783	239,729	287,674	335,620	383,566	431,512	21
40	47,9713	95,942	143,914	191,885	239,856	287,827	335,799	383,770	431,741	20
41	47,9968	95,993	143,990	191,987	239,984	287,981	335,977	383,974	431,971	19
42	48,0223	96,044	144,067	192,089	240,111	288,134	336,156	384,178	432,201	18
43	48,0478	96,095	144,143	192,191	240,239	288,287	336,335	384,382	432,430	17
44	48,0733	96,146	144,220	192,293	240,366	288,440	336,513	384,587	432,660	16
45	48,0988	96,197	144,296	192,395	240.494	288,593	336,692	384,791	432,889	15
46	48,1243	96,248	144,373	192,497	240,621	288,746	336,870	384,995	433,119	14
47	48,1498	96,299	144,449	192,599	240,749	288,899	337,049	385,199	433,348	13
48	48,1753	96,350	144,526	192,701	240,876	289,052	337,227	385,403	433,578	12
49	48,2008	96,401	144,602	192,803	241,004	289,205	337,406	385,606	433,807	11
50	48,2263	96,452	144,679	192,905	241,131 '	289,358	337,584	385,810	434,037	10
51	48,2518	96,503	144,755	193,007	241,259	289,511	337,762	386,014	434,266	9
52	48,2773	96,554	144,831	193,109	241,386	289,663	337,941	386,218	434,495	8
53	48,3027	96,605	144,908	193,211	241,513	289,816	338,119	386,422	434,725	7
54	48,3282	96,656	144,984	193,313	241,641	289,969	338,297	386,625	434,954	6
55	48,3537	96,707	145,061	193,414	241,768	290,122	338,475	386,829	435,183	5
56	48,3791	96,758	145,137	193,516	241,895	290,275	338,654	387,033	435,412	4
57	48,4046	96,809	145,213	193,618	242,023	290,427	338,832	387,237	435,641	3
58	48,4300	96,860	145,290	193,720	242,150	290,580	339,010	387,440	435,870	2
59	48,4555	96,911	145,366	193,822	242,277	290,733	339,188	387,644	436,099	1
60	48,4809	96,962	145,442	193,923	242,404	290,885	339,366	387,847	436,328	0
t	100	200	300	400	500	600	700	800	900	/
d	26	51	76	102	128	153	178	204	230	*d*

t
—118°
+298°

Ax 61° cos

61to+
241°—

мм	00	10	20	30	40	50	60	70	80	90	"/*d*	26	51	76	102	128	153	178	204	230
100	48	53	58	63	67	72	77	82	87	91	6	3	5	8	10	13	15	18	20	23
200	96	101	106	111	115	120	125	130	135	139	7	3	6	9	12	15	18	21	24	27
300	144	149	154	159	164	168	173	178	183	188	8	3	7	10	14	17	20	24	27	31
400	192	197	202	207	212	216	221	226	231	236	9	4	8	11	16	19	23	27	*31*	34
500	240	245	250	255	260	265	269	274	279	284	10	4	8	13	17	21	26	30	34	38
600	289	293	298	303	308	313	317	322	327	332	20	8	17	26	34	42	51	60	68	76
700	337	342	346	351	356	361	366	370	375	380	30	13	26	38	51	64	76	89	102	115
800	385	390	394	399	404	409	414	418	423	428	40	17	34	51	68	85	102	119	136	153
900	433	438	443	447	452	457	462	467	471	476	50	21	42	64	85	106	128	149	170	191

—209°
+29°
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cos 29* Ax

330°+
150°—
i

/	100	200	300	400	500	600	700	800	900	/
0	87,4619	174,924	262,386	349,847	437,309	524,771	612,233	699,695	787,157	60
1	87,4478	174,895	262,343	349,791	437,239	524,687	612,135	699,583	787,030	59
2	87,4337	174,867	262,301	349,735	437,168	524,602	612,036	699,470	786,903	58
3	87,4196	174,839	262,258	349,678	437,098	524,517	611,937	699,357	786,776	57
4	87,4055	174,811	262,216	349,622	437,027	524,433	611,838	699,244	786,649	56
5	87,3913	174,782	262,174	349,565	436,956	524,348	611,739	699,131	786,522	55
6	87,3772	174,754	282,131	349,508	436,886	524,263	611,640	699,017	786,395	54
7	87,3630	174,726	262,089	349,452	436,815	524,178	611,541	698,904	786,267	53
8	87,3489	174,697	262,046	349,395	436,744	524,093	611,442	698,791	786,140	52
9	87,3347	174,669	262,004	349.339	436,673	524,008	611,343	698,678	786,012	51
10	87,3205	174,641	261,961	349,282	436,602	523,923	611,244	698,564	785,885	50
11	87,3064	174,612	261,919	349,225	436,532	523,838	611,144	698,451	785,757	49
12	87,2922	174,584	261,876	349,168	436,461	523,753	611,045	698,337	785,629	48
13	87,2780	174,556	261,834	349,112	436,390	523,668	610,946	698,224	785,502	47
14	87,2638	174,527	261,791	349,055	436,319	523,582	610,846	698,110	785,374	46
15	87,2496	174,499	261,748	348,998	436,248	523,497	610,747	697,996	785,246	45
16	87,2353	174,470	261,706	348,941	436,177	523,412	610,647	697,883	785,118	44
17	87,2211	174,442	261,663	348,884	436,105	523,327	610,548	697,769	884,990	43
18	87,2069	174,413	261.620	348.827	436,034	523,241	610,448	697,655	784,862	42
19	87,1927	174,385	261,578	348,770	435,963	523,156	610,348	697,541	784,734	41
20	87,1784	174,356	261,535	348,713	435,892	523,070	610,249	697,427	784,606	40
21	87,1641	174,328	261,492	348,656	435,821	522,985	610,149	697,313	784,477	39
22	87,1499	174,299	261,449	348,599	435,749	522,899	610,049	697,199	784,349	38
23	87,1356	174,271	261,407	348,542	435,678	522,814	609,949	697,085	784,221	37
24	87,1213	174,242	261,364	348,485	435,607	522,728	609,849	696,971	784,092	36
25	87,1071	174,214	261,321	348,428	435,535	522,642	609,749	696,856	783,964	35
26	87,0928	174,185	261,278	348,371	435,464	522,556	609,649	696,742	783,835	34
27	87,0785	174,157	261,235	348,314	435,392	522,471	609,549	696,628	783,706	33
28	87,0642	174,128	261,192	348,256	435,321	522,385	609,449	696,513	783,577	32
29	87,0499	174,099	261,149	348,199	435,249	522,299	609,349	696,399	783,449	31
30	87,0355	174,071	261,106	348,142	435,177	522,213	609,249	696,284	783,320	30
'	100	*200*	300	400	500	600	700	800	900	'
d	14	28	43	57	71	85	100	114	128	*d*

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-H19°
—299°

Av 60° sin

t
60°+
240°—

MM	00	10	20	30	40	50	60	70	80	90	"Id	14	28	43	57	71	85	100	114	128
100	87	96	105	113	122	131	140	148	157	166	6	1	3	4	6	7	9	10	11	13
200	174	183	192	201	209	218	227	236	244	253	7	2	3	5	7	8	10	12	13	15
300	262	270	279	288	297	305	314	323	332	340	8	2	4	6	8	9	11	13	15	17
400	349	358	366	375	384	393	401	410	419	428	9	2	4	6	9	11	13	15	17	19
500	436	445	454	462	471	480	489	497	506	515	10	2	5	7	9	12	14	17	19	21
600	523	532	541	550	558	567	576	585	593	602	20	5	9	14	19	24	28	33	38	43
700	611	619	628	637	646	654	663	672	681	689	30	7	14	21	28	3'6	43	50	57	64
800	698	707	715	724	733	742	750	759	768	777	40	9	19	28	38	47	57	66	76	85
900	785	794	803	811	820	829	838	846	855	864	50	12	24	36	47	59	71	83	95	107

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'	100	200	300	400	500	600	700	800	900	'
0	48,4809	96,962	145,442	193,923	242.404	290,885	339,366	387,847	436,328	60
1	48,5064	97,012	145,519	194,025	242,532	291,038	339,544	388,051	436,557	59
2	48,5318	97.063	145,595	194,127	242,659	291,191	339,722	388,254	436,786	58
3	48,5572	97,114	145,671	194,229	242,786	291,343	339,900	388,458	•437,015	57
4	48,5827	97,165	145,748	194,330	242,913	291,490	340,078	388,661	437,244	56
5	48,6081	97,216	145,824	194,432	243,040	291,648	340,256	388,865	437,473	55
6	48,6335	97,267	145,900	194,534	243,167	291,801	340,434	389,068	437,701	54
7	48,6589	97.318	145.976	194,635	243,294	291,953	340,612	389,271	437,930	53
8	48,6843	97,368	146,053	194,737	243,421	292,106	340,790	389,474	438,159	52
9	48,7097	97,419	146,129	194.839	243,548	292,258	340,968	389,678	438,388	51
10	48,7351	97,470	146,205	194,940	243,675	292,411	341,146	389,881	438,616	50
11	48,7605	97,521	146,281	195,042	243,802	292,563	341,324	390,084	438,845	49
12	48,7859	97,572	146,357	195,143	243,929	292,715	341,501	390,287	439,073	48
13	48,8113	97,622	146,434	195,245	244,056	292,868	341,679	390,490	439,302	47
14	48,8367	97,673	146,510	195,347	244,183	293,020	341,857	390,694	439,530	46
15	48,8621	97,724	146,586	195,448	244,310	293,172	342,034	390,897	439,759	45
16	48,8875	97,775	146,662	195,550	244,437	293,325	342,212	391,100	439,987	44
17	48,9128	97,825	146,738	195,651	244,564	293,477	342,390	391,303	440,215	43
18	48,9382	97,876	146,814	195,753	244,691	293,629	342,567	391,506	440,444	42
19	48,9636	97,927	146,890	195,854	244,818	293,781	342,745	391,708	440,672	41
20	48,9889	97,978	146,966	195,955	244,944	293,933	342,922	391,911	' 440,900	40
21	49,0143	98,028	147,043	196,057	245,071	294,086	343,100	392,114	441,129	39
22	49,0396	98,079	147,119	196,158	245,198	294,238	343,277	392,317	441,357	38
23	49,0650	98,130	147,195	196.260	245,325	294,390	343,455	392,520	441,585	37
24	49,0903	98,180	147,271	196,361	245,451	294,542	343,632	392,723	441,813	36 >
25	49,1157	98,231	147,347	196,462	245,578	294,694	343,810	392,925	442,041	35
26	49,1410	98,282	147,423	196,564	245,705	294,846	343,987	393,128	442,269	34
27	49,1663	98,332	147,499	196,665	245,831	294,998	344,164	393,331	442,497	33
28	49,1917	98,383	147,575	196,766	245,958	295,150	344,342	393,533	442,725	32
29	49,2170	98,434	147,651	196,868	246,085	295,302	344,519	393,736	442,953	31
30	49,2423	98,484	147,727	196,969	246,211	295,454	344,696	393,938	443,181	30

/	too	200	300	400	500	600	700	800	900	-
d	25	51	76	102	127	152	178	203	228	*d*

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60°+
240°—

мм	00	10	20	30	40	50	60	70	80	90
100	49	54	59	64	68	73	78	83	88	93
200	98	103	107	112	117	122	127	132	137	142
300	147	151	156	161	166	171	176	181	186	191
400	195	200	205	210	215	220	225	230	235	239
500	244	249	254	259	264	269	274	279	283	288
600	293	298	303	308	313	318	322	327	332	337
700	342	347	352	357	362	366	371	376	381	386
800	391	396	401	406	410	415	420	425	430	435
900	440	445	450	454	459	464	469*474		479	484

"Id	25	51	76	102	127	152	178	203	228
ñ	3	5	8	10	13	15	18	20	2,3
7	3	fi	9	12	15	18	21	24	27
8	3	7	10	14	17	20	24	27	3o
9	4	8	11	15	19	23	27	30	34
10	4	8	13	17	21	25	30	34	3R
20	8	17	25	34	4?,	51	59	68	7fi
30	13	25	38	51	63	76	89	10?	114
40	17	34	51	68	85	103	118	135	1.5¡>
50	21	42	63	85	106	127	148	169	190

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I

cos 29° A* 330°+
150°—
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'	100	200	300	400	500	600	700	800	900	'
	"V..									
30	87,0355	174,071	261,106	348,142	435,177	522,213	609,249	696,284	783,320	30
31	87,0212	174,042	261,063	348,085	435,106	522,127	609,148	696,170	783,191	29
32	87,0069	174,013	261,020	348,027	435,034	522,041	609,048	696,055	783,062	28
33	86,9925	173,985	260,977	347,970	434,962	521,955	608,948	695,940	782,933	27
34	86,9782	173,956	260,934	347,912	434,891	521,869	608,847	695,825	782,804	26
35	86,9638	173,927	260,891	347,855	434,819	521,783	608,747	695,710	782,674	25
36	86,9495	173,899	260,848	347,798	434,747	521,697	608,646	695,596	782,545	24
37	86,9351	173,870	260,805	347,740	434,675	521,610	608,545	695,481	782,416	23
38	86,9207	173,841	260,762	347,683	434,603	521,524	608,445	695,366	782,286	22
39	86,9063	173,812	260,719	347,625	434,531	521,438	608,344	695,250	782,157	21
40	86,8919	173,784	260,675	347,567	434,459	521,351	608,243	695,135	782,027	20
41	86,8775	173,755	260,632	347,510	434,387	521,265	608,143	695,020	781,898	19
42	86,8631	173,726	260,589	347,452	434,315	521,179	608,042	694,905	781,768	18
43	86,8487	173,697	260,546	347,395	434,243	521,092	607,941	694,790	781,638	17
44	86,8343	173,668	260,503	347,337	434,171	521,005	607,840	694,674	781,508	16
45	86,8,198	173,639	260,459	347,279	434,099	520,919	607,739	694,559	781,379	15
46	86.8054	173,610	260,416	347,221	434,027	520,832	607,638	694,443	781,249	14
47	86,7910	173,582	260,373	347,164	433,955	520,746	607,537	694,328	781,119	13
48	86,7765	173,553	260,329	347,106	433,882	520,659	607,435	694,212	780,989	12
49	86,7620	173,524	260,286	347,048	433,810	520,572	607,334	694,096	780,858	11
50	86,7476	173,495	260,242	346,990	433,738	520,485	607,233	693,981	780,728	10
51	86,7331	173,466	260,199	346,932	433,665	520,398	607,132	693,865	780,598	9
52	86,7186	173,437	260,156	346,874	433,593	520,312	607,030	693,749	780,468	8
53	86,7041	173,408	260,112	346,816	433,520	520,225	606,929	693,633	780,337	7
54	86,6896	173,379	260,069	346,758	433,448	520,138	606,827	693,517	780,207	6
55	86,6751	173,350	260,025	346,700	433,375	520,051	606,726	693,401	780,076	5
56	86,6606	173,321	259,982	346,642	433,303	519,964	606,624	693,285	779,946	4
57	86,6461	173,292	259,938	346,584	433,230	519,876	606,523	693,169	779,815	3
58	86,6316	173,263	259,894	346,526	433,158	519,789	606,421	693,053	779,684	2
59	86,6170	173,234	259,851	346,468	433,085	519,702	606,319	692,936	779,553	1
60	86,6025	173,205	259.807	346,410	433,012	519,615	606,217	692,820	779,423	0

f	100	200	300	400	500	600	700	800	900	'
d	14	29	43	58	72	87	101	116	130	*d*

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—299°

A.V 8°° sin t
60°4-
240°—

MM	00	10	20	30	40	50	60	70	80	90
100	87	96	104	113	122	130	139	148	156	165
200	174	182	191	200	208	217	226	234	243	252
300	260	269	278	287	295	304	313	321	330	339
400	347	356	365	373	382	391	399	408	417	425
500	434	443	451	460	469	478	•486	495	504	512
600	521	530	538	547	556	564	573	582	590	599
700	608	616	625	634	642	651	660	669	677	686
800	695	703	712	721	729	738	747	755	764	773
900	781	790	799	807	816	825	833	842	851	860

"/*d*	14	29	43	58	72	87	101	116	130
6	1	3	4	6	7	9	10	12	13
7	2	3	5	7	8	10	12	13	15
8	2	4	6	8	10	12	13	15	17
9	2	4	6	9	11	13	15	17	19
10	2	5	7	10	12	14	17	19	22
20	5	9	14	19	24	29	34	38	43
30	7	14	22	29	36	43	51	58	65
40	10	19	29	38	48	58	67	77	87
50	12	24	36	48	60	72	84	96	108

г	100	200	300	400	500	600	700	800	900	t
30	49,2423	98,484	147,727	196,969	246,211	295,454	344,696	393,938	443,181	30
31	49,2676	98,535	147,803	197,070	246,338	295,606	344,873	394,141	443,409	29
32	49,2929	98,586	147,879	197,172	246,465	295,757	345,050	394,343	443,636	28
33	49,3182	98,636	147,954	197,273	246,591	295,909	345,228	394,546	443,864	27
34	49,3436	98,687	148,030	197,374	246,718	296,061	345,405	394,748	444,092	26
35	49,3688	98,737	148,106	197,475	246,844	296,213	345,582	394,951	444,320	25
36	49,3941	98,788	148,182	197,576	246,971	296,365	345,759	395,153	444,547	24
37	49,4194	98,839	148,258	197,677	247,097	296,516	345,936	395,355	444,775	23
38	49,4447	98,889	148,334	197,779	247,223	296,668	346,113	395,558	445,002	22
39	49,4700	98,940	148,410	197,880	247,350	296,820	346,290	395,760	445,230	21
40	49,4953	98,990	148,486	197,981	247,476	296,972	346,467	395,962	445,457	20
41	49,5206	99,041	148,561	198,082	247,603	297,123	346,644	396,164	445,685	19
42	49,5458	99,091	148,637	198,183	247,729	297,275	346,821	396,367	445,912	18
43	49,5711	99,142	148,713	198,284	247,855	297,426	346,997	396,569	446,140	17
44	49,5963	99,192	148,789	198,385	247,982	297,578	347,174	396,771	446,367	16
45	49,6216	99,243	148,865	198,486	248,108	297,729	347,351	396,973	446,594	15
46	49,6469	99,293	148,940	198,587	248,234	297,881	347,528	397,175	446,822	14
47	49,6721	99,344	149,016	198,688	248,360	298,032	347,705	397,377	447,049	13
48	49,6974	99,394	149,092	198,789	248,487	298,184	347,881	397,579	447,276	12
49	49,7226	99,445	149,167	198,890	248,613	298,335	348,058	397,781	447,503	И
50	49,7478	99,495	149,243	198,991	248,739	298,487	348,235	397,983	447,730	10
51	49,7731	99,546	149,319	199,092	248,865	298,638	348,411	398,184	447,957	9
52	49;7983	99,596	149,395	199,193	248,991	298,790	348,588	398,386	448,185	8
53	49,8235	99,647	149,470	199,294	249,117	298,941	348,764	398,588	448,412	7
54	49,8487	99,697	149,546	199,395	249,243	299,092	348,941	398,790	448,639	6
55	49,8739	99,748	149,622	199,496	249,370	299,243	349,117	398,991	448,865	5
56	49,8992	99,798	149,697	199,596	249,496	299,395	349,294	399,193	449,092	4
57	49,9244	99,848	149,773	199,697	249,622	299,546	349,470	399,395	449,319	3
58	49,9496	99,899	149,848	199,798	249,748	299,697	349,647	399,596	449,546	2
59	49,9748	99,949	149,924	199,899	249,874	299,848	349,823	399,798	449,773	1
60	СЛ° ∞°	100,000	150,000	200,000	250,000	300,000	350,000	400,000	450,000	0

t	100	200	300	400	500	600	700	800	900	t
d	25	50	76	. 101	126	152	177	202	227	d

—119°
+299°

AÆ 60° cos 60°+
240°—

мм	00	10	20	30	40	50	60	70	80	.90
100	50	55	60	65	69	74	79	84	89	94
200	99	104	109	114	119	124	129	134	139	144
300	149	154	159	164	169	174	179	184	189	194
400	198	203	208	213	218	223	228	233	238	243
500	248	253	258	263	268	273	278	283	288	293
600	298	303	308	313	318	323	328	332	337	342
700	347	352	357	362	367	372	377	382	387	392
800	397	402	407	412	417	422	427	432	437	442
900	447	452	457	461	466	471	476	481	486	491

″/à	25	50	76	101	126	152	177	202	227
6	3	5	8	10	13	15	18	20	23
7	3	6	9	12	15	18	21	24	27
8	3	7	10	13	17	20	24	27	30
9	4	8	11	15	19	23	27	30	34
10	4	8	13	17	21	25	29	34	38
20	8	17	25	34	42	51	59	67	76
30	13	25	38	51	63	76	68	101	114
40	17	34	51	67	84	101	118	135	152
50	21	42	63	84	105	126	147	168	189

—210° +30» 4 cos 30° *Ax* 329'' + 149'' *I*

/	100	200	300	400	500	600	700	800	900	!
0	86,6025	173,205	259,807	346,410	433,012	519,615	606,217	692,820	779,422	60
1	86,5880	173,176	259,764	346,352	432,940	519,528	606,116	692,704	779,292	59
2	86,5734	173,146	259,720	346,293	432,867	519,440	606,014	692,587	779,161	58
3	86,5588	173,117	259,676	346,235	432,794	519,353	605,912	692,471	779,029	57
4	86,5443	173,088	259,633	346,177	432,721	519,265	605,810	692,354	778,898	56
5	86,5297	173,059	259,589	346,119	432,648	519,178	605,708	692,237	778,767	55
6	86,5151	173,030	259,545	346,060	432,575	519,090	605,606	692,121	778,636	54
7	86,5005	173,001	259,501	346,002	432,502	519,003	605,503	692,004	778,505	53
8	86,4859	172,972	259,457	345,943	432,429	518,915	605,401	691,887	778,373	52
9	86,4713	172,942	259,414	345,885	432,356	518,828	605,299	691,770	778,242	51
10	86,4567	172,913	259,370	345,827	432,283	518,740	605,197	691,653	778,110	50
11	86,4421	172,884	259,326	345,768	432,210	518,652	605,094	691,536	777,979	49
12	86,4274	172,855	259,282	345,710	432,137	518,564	604,992	691,419	777,847	48
13	86,4128	172,825	259,238	345,651	432,064	518,477	604,890	691,302	777,715	47
14	86,3982	172,796	259,194	345,592	431,991	518,389	604,787	691,185	777,583	46
15	86,3835	172,767	259,150	345,534	431,917	518,301	604,684	691,068	777,452	45
16	86,3689	172,737	259,106	345,475	431,844	518,213	604,582	690,951	777,320	44
17	86,3542	172,708	259,062	345,417	431,771	518,125	604,479	690,833	777,188	43
18	86,3395	172,679	259,018	345,358	431,697	518,037	604,376	690,716	777,056	42
19	86,3248	172,649	258,974	345,299	431,624	517,949	604,274	690,599	776,924	41
20	86,3102	172,620	258,930	345,240	431,551	517,861	604,171	690,481	776,791	40
21	86,2955	172,591	258,886	345*182	431,477	517,773	604,068	690,364	776,659	39
22	86,2808	172,561	258,842	345,123	431,404	517,684	603,965	690,246	776,527	38
23	86,2660	172,532	258,798	345,064	431,330	517,596	603,862	690,128	776,394	37
24	86,2513	172,502	258,754	345,005	431,256	517,508	603,759	690,011	776,262	36
25	86,2366	172,473	258,710	344,946	431,183	517,419	603,656	689,893	776,129	35
26	86,2219	172,443	258,665	344,887	431,109	517,331	603,553	689,775	775,997	34
27	86,2071	172,414	258,621	344,828	431,035	517,243	603,450	689,657	775,864	33
28	86,1924	172,384	258,577	344,769	430,962	517,154	603,347	689,539	775,731	32
29	86,1776	1.72,355	258,533	344,710	430,888	517,066	603,243	689,421	775,599	31
30	86,1629	172,325	258,488	344,651	430,814	516,977	603,140	689,303	775,466	30
	100	200	300	400	500	600	700	800	900	
d	15	29.	44	59	73	88	103	117	132	***d***

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мы 00 10 20 30 40 50 60 70 80 90 ***'Id*** : 15 29 44 59 73 88 103 117 132

100	86	95	104	112	121	130	138	147	155	164	6	1 3	4 6 7	9 10	12	13
200	173	181	190	199	207	216	225	233	242	251	7	2 3	5 7 9	10 12	14	15
300	259	268	276	285	294	302	311	320	328	337	8	2 4	6 8 10	12 14	16	18
400	346	354	363	371	380	389	397	406	415	423	9	2 4	7 9 11	13 15	18	20
500	432	441	449	458	466	475	484	493	501	510	10	2 5	7 10 12	15 17	20	22
600	518	527	536	544	553	561	570	579	587	596	20	5 10	15 20 24	29 34	39	44
700	605	613	622	631	639	648	657	665	674	682	30	7 15	22 29 37	44 51	59	66
800	691	700	708	717	726	734	743	752	760	769	40	10 20	29 39 49	59 68	78	88
900	777	786	795	803	• 812	821	829	838	847	855	50	i 12 24	37 49 61	73 86	98	no

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0	50,0000	100,000	150,000	200,000	250,000	300,000	350,000	400,000	450,000	60
1	50,0251	100,050	150,075	200,100	250,126	300,151	350,176	400,201	450,226	59
2	50,0503	100,100	150,151	200,201	250,251	300,302	350,352	400,403	450,453	58
3	50,0755	100,151	150,226	200,302	250,377	300,453	350,528	400,604	450,680	57
4	50,1007	100,201	150,302	200,403	250,503	300,604	350,705	400,805	450,906	56
5	50,1259	100,251	150,377	200,503	250,629	300,755	350,881	401,007	451,133	55
6	50,1510	100,302	150,453	200,604	250,755	300,906	351,057	401,208	451,359	54
7	50,1762	100,352	150,528	200,705	250,881	301,057	351,233	401,409	451,586	53
8	50,2014	100,402	150,604	200,805	251,007	301,208	351,409	401,611	451,812	52
9	50,2265	100,453	150,679	200,906	251,132	301,359	351,585	401,812	452,039	51
10	50,2517	100,503	150,755	201,006	251,258	301,510	351,762	402,013	452,265	50
И	50,2768	100,553	150,830	201,107	251,384	301,661	351,938	402,214	452,491	49
12	50,3020	100,604	150,906	201,208	251,510	381,812	352,114	402,416	452,718	43
13	50,3271	100,654	150,981	201,308	251,635	301,962	352,290	402,617	452,944	47
14	50,3522	100,704	151,056	201,409	251,761	302,113	352,465	402,818	453,170	46
15	50,3774	100,754	151,132	201,509	251,887	302,264	352,641	403,019	453,396	45
16	50,4025	100,805	151,207	201,610	252,012	302,415	352,817	403,220	453,622	44
17	50,4276	100,855	151,283	201,710	252,138	302,565	352,993	403,421	453,848	43
18	50,4527	100,905	151,358	201,811	252,263	302,716	353,169	403,622	454,074	42
19	50,4778	100,955	151,433	201,911	252,389	302,867	353,345	403,823	454,300	41
20	50,5029	101,006	151,509	202,012	252,514	303,017	353,520	404,023	454,526	40
21	50,5280	101,056	151,584	202,112	252,640	303,168	353,696	404,224	454,752	39
22	50,5531	101,106	151,659	202,212	252,766	303,319	353,872	404,425	454,978	38
23	50,5782	101,156	151,734	202,313	252,891	303,469	354,048	404,626	455,204	37
24	50,6033	101,206	151,810	202,413	253,016	303,620	354,223	404,827	455,430	36
25	50,6284	101,257	151,885	202,513	253,142	303,770	354,399	405,027	455,656	35
26	50,6535	101,307	151,960	202,614	253,267	303,921	354,574	405,228	455,881	34
27	50,6786	101,357	152,035	202,714	253,393	304,071	354,750	405,429	456,107	33
28	50,7037	101,407	152,111	202,814	253,518	304,222	354,925	405,629	456,333	32
29	50,7287	101,457	152,186	202,915	253,643	304,372	355,101	405,830	456,558	31
30	50,7538	101,507	152,261	203,015	253,769	304,523	355,276	406,030	456,784	30
/	100	200	300	400	500	600	700	800	900	*
d	25	50	75	100	126	151	176	201	226	d

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ын	00	10	20	30	40	50	60	70	80	90
100	50	55	60	65	71	76	81	86	91	96
200	101	106	111	116	121	126	131	136	141	146
300	151	156	161	166	171	176	181	186	191	196
400	202	207	212	217	222	227	232	237	242	247
500	252	257	262	267	272	277	282	287	292	297
600	302	307	312	317	322	327	332	338	343	348
700	353	358	363	368	373	378	383	388	393	398
800	403	408	413	418	423	428	433	438	443	448
900	453	458	463	469	474	479	484	489	494	499

'/d	25	50	75	100	126	151	176	201	226
6	3	5	8	10	13	15	18	20	23
7	3	6	9	12	15	18	21	23	26
8	3	7	10	13	17	20	23	27	30
9	4	8	И	15	19	23	26	30	34
10	4	8	13	17	21	25	29	34	38
20	8	17	25	34	42	50	59	67	75
30	13	25	38	50	63	75	88	101	113
40	17	34	50	67	84	101	117	134	151
50	21	42	63	84	105	126	147	168	189

/	100	200	300	400	500	600	700	800	900	/
30	86,1629	172,325	258,488	344,651	430,814	516,977	603,140	689,303	775,466	30
31	86,1481	172,296	258,444	344,592	430,740	516,888	603,037	689,185	775,333	29
32	86,1333	172,266	258,400	344,533	430,666	516,800	602,933	689,067	775,200	28
33	86,1186	172,237	258,355	344,474	430,593	516,711	602,830	688,948	775,067	27
34	86,1038	172,207	258,311	344,415	430,519	516,622	602,726	688,830	774,934	26
35	86,0890	172,178	258,267	344,356	430,445	516,534	602,623	688,712	774,801	25
36	86,0742	172,148	258,222	344,296	430,371	516,445	602,519	688,593	774,667	24
37	86,0594	172,118	258,178	344,237	430,297	516,356	602,415	688,475	774,534	23
38	86,0445	172,089	258,133	344,178	430,222	516,267	•602,312	688,356	774,401	22
39	89,0297	172,059	258,089	344,119	430,148	516,178	602,208	688,238	774,267	21
40	86,0149	172,029	258,044	344,059	430,074	516,089	602,104	688,119	774,134	20
41	86,0000	172,000	258,000	344,000	430,000	516,000	602,000	688,000	774,000	19
42	85,9852	171,970	257,955	343,941	429,926	515,911	601,896	687,881	773,867	18
43	85,9703	171,940	257,911	343,881	429,851	515,822	601,792	687,763	773,733	17
44	85,9555	171,911	257,866	343,822	429,777	515,733	601,688	687,644	773,599	16
45	85,9406	171,881	257,822	343,762	429,703	515,643	601,584	687,525	773,465	15
46	85,9257	171,851	257,777	343,703	429,628	515,554	601,480	687,406	773,332	14
47	85,9108	171,821	257,732	343,643	429,554	515,465	601,376	687,287	773,198	13
48	85,8960	171,792	257,688	343,584	429,480	515,376	601,272	687,168	773,064	12
49	85,8811	171,762	257,643	343,524	429,405	515,286	601,167	687,048	772,929	11
50	85,8661	171,732	257,598	343,464	429,331	515,197	601,063	686,929	772,795	10
51	85,8512	171,702	257,553	343,405	429,256	515,107	600,959	686,810	772,661	9
52	85,8363	171,672	257,509	343,345	429,181	515,018	600,854	686,690	772,527	8
53,	85,8214	171,642	257,464	343,285	429,107	514,928	600,750	686,571	772,392	7
54	85,8065	171,613	257,419	343,226	429,032	514,839	600,645	686,452	772,258	6
55	85,7915	171,583	257,374	343,166	428,957	514,749	600,540	686,332	772,124	5
56	85,7766	171,553	257,329	343,106	428,883	514,659	600,436	686,212	771,989	4
57	85,7616	171,523	257,285	343,046	428,808	514,569	600,331	686,093	771,854	3
58	85,7466	171,493	257,240	342,986	428,733	514,480	600,226	685,973	771,720	2
59	85,7317	171,463	257,195	342,926	428,658	514,390	600,122	685,853	771,585	1
60	85,7167	171,433	257,150	342,867	428,583	514,300	600,017	685,733	771,450	0
/	100	200	300	400	500	600	700	800	900	t
d	15	30	45	60	74	89	104	119	134	d

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III	00	10	20	'30	40	50	60	70	80	90
100	86	95	103	112	120	129	138	146	155	163
200	172	180	189	198	206	215	223	232	241	249
300	?,58	266	275	284	292	301	309	318	327	335
400	344	352	361	370	378	387	395	404	413	421
5ПО	430	438	447	455	464	473	481	490	498	507
ROO	516	524	533	541	550	559	567	576	584	593
700	60?,	610	619	627	636	645	653	662	670	679
800	688	696	705	713	722	730	739	748	756	765
900	773	782	791	799	808	816	825	834	842	851

7 à	15	30	45	60	74	89	104	119	134
6	1	3	4	6	7	9	10	12	13
7	2	3	5	7	У	10	12	14	16
8	2	4	6	8	10	12	14	16	18
9	2	4	7	9	11	13	16	18	20
10	2	5	7	10	12	Ib	17	20	22
20	5	10	15	20	25	30	35	40	45
30	7	15	22	30	37	4b	52	60	67
40	10	20	30	40	50	59	69	79	89
50	12	25	37	ЬО	62	74	87	99	111

/	100	200	300	400	500	600	700	800	900	i
30	50,7538	101,507	152,261	203,015	253,769	304,523	355,276	406,030	456,784	30
31	50,7789	101,557	152,336	203,115	253,894	304,673	355,452	406,231	457,010	29
32	50,8039	101,608	152,411	203,215	254,019	304,823	355,627	406,431	457,235	28
33	50,8290	101,658	152,487	203,316	254,145	304,974	355,803	406,632	457,461	27
34	50,8540	101,708	152,562	203,416	254,270	305,124	355,978	406,832	457,686	26
35	50,8791	101,758	152,637	203,516	254,395	305,274	356,153	407,032	457,911	25
36	50,9041	101,808	152,712	203,616	254,520	305,424	356,329	407,233	458,137	24
37	50,9291	101,858	152,787	203,716	254,645	305,575	356,504	407,433	458,362	23
38	50,9542	101,908	152,862	203,816	254,771	305,725	356,679	407,633	458,587	22
39	50,9792	101,958	152,937	203,917	254,896	305,875	356,854	407,833	458,813	21
40	51,0042	102,008	153,012	204,017	255,021	306,025	357,029	408,034	459,038	20
41	51,0292	102,058	153,087	204,117	255,146	306,175	357,205	408,234	459,263	19
42	51,0542	102,108	153,162	204,217	255,271	306,325	357,380	408,434	459,488	18
43	51,0793	102,158	153,237	204,317	255,396	306,475	357,555	408,634	459,713	17
44	51,1043	102,208	153,313	204,417	255,521	306,625	357,730	408,834	459,938	16
45	51,1293	102,258	153,388	204,517	255,646	306,775	357,905	409,034	460,163	15
46	51,1543	102,308	153,462	204,617	255,771	306,925	358,080	409,234	460,388	14
47	51,1793	102,358	153,537	204,717	255,896	307,075	358,255	409,434	460,613	13
48	51,2042	102,408	153,612	204,817	256,021	307,225	358,430	409,634	460,838	12
49	51,2292	102,458	153,687	204,917	256,146	307,375	358,604	409,834	461,063	11
50	51,2542	102,508	153,762	205,017	256,271	307,525	358,779	410,034	461,288	10
51	51,2792	102,558	153,837	205,116	256,396	307,675	358,954	410,233	461,513	9
52	51,3041	102,608	153,912	205,216	256,521	307,825	359,129	410,433	461,737	8
53	51,3291	102,658	153,987	205,316	256,645	307,975	359,304	410,633	461,962	7
54	51,3541	102,708	154,062	205,416	256,770	308,124	359,478	410,833	462,187-	6
55	51,3790	102,758	154,137	205,516	256,895	308,274	359,653	411,032	462,411	5
56	51,4040	102,808	154,212	205,616'	257,020	308,424	359,828	411,232	462,636	4
57	51,4289 .	102,858	154,287	205,716	257,144	308,573	360,002	411,431	462,860	3
58	51,4539	102,907	154,361	205,815	257,269	308,723	36P.177	411,631	463,085	2
59	51,4788	102,957	154,436	205,915	257,394	308,873	360,352	411,831	463,309	1
60	51,5038	103,007	154,511	206,015	257,519	309,022	360,526	412,030	463,534	0

/	100	200	300	400	500	600	700	800	900	/
d	25	50	75	100	125	150	175	200	225	d

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им 1	00 10	20 30 .	40 50	60 70 1	BO 90	'jd 25	50 75 100 125 150 175 200 225
100	51 56	61 66	72 77	82 87	92 97	6 2	5 7 10 12 15 17 : 20 22
200	102 107 112 118 123 128 133 138 143 148					7 3	6 9 12 15 17 20 : 23 26
300	153 159 164 169 174 179 1			84 189 194 199		8 8	7 10 13 17 : 20 23 : 27 30
400	205 210 215 220 225 230 235 240 245 251					9 4	7 11 15 19 : 22 26 ; 30 34
500	256 261 266 271 276 281 286 291 297 302					10 4	8 12 17 21 25 29 ; 33 37
600	307 312 317 322 327 332 337 343 348 353					20 8	17 25 33 42 i 50 58 i 87 75
700	358 363 368 373 378 383 389 394 399 404					30 12	25 37 ! 50 62 1 75 87 100 112
800	409 414 419 ¡424 429 435 440 445 450 455					40 17	33 50 i 67 83 100 117 133 150
900	460 465 470 476 481 486 491 496 501 506					50 21	42 62 ! 83 104 125 146 167 187

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!	100	200	300	400	500	600	700	800	900	!
0	85,7167	171,433	257,150	342,867	428,583	514,300	600,017	685,733	771,450	60
1	85,7017	171,403	257,105	342,807	428,508	514,210	599,912	685,614	771,315	59
2	85,6867	171,373	257,060	342,747	428,433	514,120	599,807	685,494	771,180	58
3	85,6717	171,343	257,015	342,686	428,358	514,030	599,702	685,374	771,045	57
4	85,6567	171,313	256,970	342,627	428,283	513,940	599,597	685,254	770,910 '	56
5	85,6417	171,283	256,925	342,567	428,208	513,850	599,492	685,133	770,775	55
6	85,6267	171,253	256,880	342,506	428,133	513,760	599,387	685,013	770,640	54
7	85,6116	171,223	256,835	342,446	428,058	513,670	599,281	684,893	770,505	53
8	85,5966	171,193	256,790	342,386	427,983	513,579	599,176	684,773	770,369	52
9	85,5816	171,163	256,744	342,326	427,908	513,489	599,071	684,652	770,234	51
10	85,5665	171,133	256,699	342,266	427,832	513,399	598*965	684,532	770,099	50
, И	85,5515	171,103	256,654	342,206	427,757	513,309	598,860	684,412	769,963	49
12	85,5364	171,072	256,609	342,145	427,682	513,218	598,755	684,291	769,827	48
13	85,5213	171,042	256,654	342,085	427,606	513,128	598,649	684,170	769,692	47
14	85,5062	171,012	256,518	342,025	427,531	513,037	598,544	684,050	769,556	46
15	85,4911	170,982	256,473	341,964	427,456	512,947	598,438	683,929	769,420	45
16	85,4761	170,952	256,428	341,904	427,380	512,856	598,332	683,808	769,284	44
17	85,4610	170,922	256,383	341,844	427,305	512,766	598,227	683,688	769,149	43
18	85,4458	170,891	256,337	341,783	427,229	512,675	598,121	683,567	769,013	42
19	85,4307	170,861	256,292	341,723	427,153	512,584	598,015	683,446	768,877	41
20	85,4156	170,831	256,247	341,662	427,078	512,493	597,909	683,325	768,740	40
21	85,4005	170,801	256,201	341,602	427,002	512,403	597,803	683,204	768,604	39
22	85,3853	170,770	256,156	341,541	426,926	512<312	597,697	683,083	768,468	38
23	85,3702	170,740	256,110	341,481	426,851	512,221	597,591	682,961	768,332	37
24	85,3550	170,710	256,065	341,420	426,775	512,130	597,485	682,840	768,195	36
25	85,3399	170,679	256,019	341,359	426,699	512,039	597,379	682,719	768,059	35
26	85,3247	170,649	255,974	341,299	426,623	511,948	597,273	682,598	767,922	34
27	85,3095	170,619	255,928	341,238	426,548	511,857	597,167	682,476	767,786	33
28	85,2994	170,588	255,883	341,177	426,472	511,766	597,060	682,355	767,649	32
29	85,2792	170,558	255,837	341,116	426,396	511,675	596,954	682,233	767,513	31
30	85,2640	170,528	255,792	341,056	426,320	511,584	596,848	682,112	767,376	30
f	100	200	300	400	500	600	700	800	900	*t*
d	15	30	45	60	76	91	106	121	136	*d*

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мм	00	10	20	30	40	5p	60	70	80	90	'/*d*	15	30	45	60	76	91	106	121	136
100	85	94	103	111	120	128	137	145	154	162	6	2	3	5	6	8	9	11	12	14
200	171	180	188	197	205	214	222	231	239	248	7	2	4	5	7	9	11	12	14	16
300	256	265	274	282	291	299	308	316	325	333	8	2	4	6	8	10	12	14	16	18
400	342	351	359	368	376	385	393	402	410	419	9	2	5	7	9	11	14	16	18	20
500	427	436	445	453	462	470	479	487	496	504	10	3	5	8	10	13	15	18	20	23
600	513	521	530	539	547	556	564	573	581	590	20	5	10	15	20	25	30	35	40	45
700	598	607	615	624	633	641	650	658	667	675	30	8	15	23	30	38	45	53	60	68
800	684	692	701	710	718	727	735	744	752	761	40	10	20	30	40	50	60	70	80	91
900	769	778	787	795	804	812	821	829	838	846	50	13	25	38	50	63	75	88	100	113

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t	100	200	300	400	500	600	700	800	900	f
0	51,5038	103,007	154,511	206,015	257,519	309,022	360,526	412,030	463,534	60
1	51,5287	103,057	154,586	206,115	257,643	309,172	360,701	412,229	463,758	59
2	51,5536	103,107	154,661	206,214	257,768	309,322	360,875	412,429	463,983	58
3	51,5785	103,157	154,735	206,314	257,893	309,471	361,050	412,628	464,207	57
4	51,6035	103,207	154,810	206,414	258,017	309,621	361,224	412,828	464,431	56
5	51,6284	103,256	154,885	206,513	258,142	309,770	361,399	413,027	464,655	55
6	51,6533	103,306	154,960	206,613	258,266	309,920	361,573	413,226	464,880	54
7	51,6782	103,356	155,034	206,713	258,391	310,069	361,747	413,425	465,104	53
8	51,7031	103,406	155,109	206,812	258,515	310,218	361,922	413,625	465,328	52
9	51,7280	103,456	155,184	206,912	258,640	310,368	362,096	413,824	465,552	51
10	51,7529	103,505	155,258	207,011	258,764	310,517	362,270	414,023	465,776	50
11	51,7778	103,555	155,333	207,111	258,889	310,666	362,444	414,222	466,000	49
12	51,8027	103,605	155,408	207,210	259,013	310,816	362,618	414,421	466,224	48
13	51,8275	103,655	155,482	207,310	259,137	310,965	362,793	414,620	466,448	47
14	51,8524	103,704	155,557	207,409	259,262	311,114	362,967	414,819	466,672	46
15	51,8773	103,754	155,632	207,509	259,386	311,264	363,141	415,018	466,895	45
16	51,9021	103,804	155,706	207,608	259,511	311,413	363,315	415,217	467,119	44
17	51,9270	103,854	155,781	207,708	259,635	311,562	363,489	415,416	467,343	43
18	51,9519	103,903	155,855	207,807	259,759	311,711	363,663	415,615	467,567	42
19	51,9767	103,953	155,930	207,907	259,883	311,860	363,837	415,814	467,790	41
20	52,0016	104,003	156,004	208,006	260,008	312,009	364,011	416,012	468,014	40
21	52,0264	104,052	156,079	208,105	260,132	31-2,158	364,185	416,211	468,238	39
22	52,0512	104,102	156,153	208,205	260,256	312,307	364,359	416,410	468,461	38
23	52,0761	104,152	156,228	208,304	260,380	.312,456	364,532	416,609	468,685	37
24	52,1009	104,202	156,302	208,403	260,504	312,605	364,706	416,807	468,908	36
25	52,1257	104,251	156,377	208,503	260,629	312,754	364,880	417,006	469,132	35
26	52,1506	104,301	156,451	208,602	260,753	312,903	365,054	417,204	469,355	34
27	52,1754	104,350	156,526	208,701	260,877	313,052	365,228	417,403	469,578	33
28	52,2002	104,400	156,600	208,801	261,001	313,201	365,401	417,601	469,802	32
29	52,2250	104,450	156,675	208,900	261,125	313,350	365,575	417,800	470,025	31
30	52,2498	104,499	156,749	208,999	261,249	313,499	365,749	417,998	470,248	30
1	100	200	300	400	500	600	700	800	900	9
d	25	49	75	99	124	149	174	199	224	d

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Ш1	00	10	20	30	40	50	60	70	80	90	"Id	25	49	75	99	124	149	174	199	224
100	52	57	62	67	73	78	83	88	93	99	6	2	5	7	10	12	15	17	20	22
900	104	109	114	119	125	130	135	140	145	150	7	3	6	9	12	15	17	20	23	26
300	156	161	166	171	176	182	187	192	197	202	8	3	7	10	13	17	20	23	Zl	30
400	708	213	218	223	228	233	239	244	249	254 ,	9	4	7	11	15	19	22	26	30	34
400	•259	265	270	275	280	285	291	296	301	306	10	4	8	12	17	21	25	29	33	37
600	311	316	322	327	332	337	342	348	353	358	20	8	17	25	33	41	50	58	66	75
700	363	368	374	379	384	389	394	399	405	410	30	12	25	37	50	62	75	87	99	112
800	415	420	425	431	436	441	446	451	457	462	40	17	33	50	66	83	99	116	133	149
900	467	472	477	482	488	493	498	503	508	514	50	21	41	62	83	104	124	145	166	187

(	100	200	300	400	500	600	700	800	900	t
30	85,2640	170,528	255,792	341,056	426,320	511,584	596,848	682,112	767,376	30
31	85,2488	170,497	255,746	340,995	426,244	511,492	596,741	681,990	767,239	29
32	85,2336	170,467	255,700	340,934	426,168	511,401	596,635	681,868	767,102	28
■33	85,2183	170,436	255,655	340,873	426,092	511,310	596,528	681,747	766,965	27
34	85,2031	170,406	255,609	340,812	426,015	511,219	596,422	681,625	766,828	26
35	85,1879	170,375	255,563	340,751	425,939	511,127	596,315	681,503	766,691	25
36	85,1727	170,345	255,518	340,690	425,863	511,036	596,208	681,381	766,554	24
37	85,1574	170,314	255,472	340,629	425,787	510,944	596,102	681,259	766,417	23
38	85,1422	170,284	255,426	340,568	425,711	510,853	595,995	681,137	706,279	22
39	85,1269	170,253	255,380	340,507	425,634	510,761	595,888	.681,015	766,142	21 .
40	85,1116	170,223	255,335	340,446	425,558	510,670	595,781	680,893	766,005	20
41	85,0964	170,192	255,289	340,385	425,482	510,578	595,674	680,771	765,867	19
42	85,0811	170,162	255,243	340,324	425,405	510,486	595,567	680,649	765,730	18
43	85,0658	170,131	255,197	340,263	425,329	510,395	595,460	680,526	765,592	17
44	85,0505	170,101	255,151	340,202	425,252	510,303	595,353	680,404	765,454	16
45	85,0352	170,070	255,105	340,140	425,176	510,211	595,246	680,281	765,317	15
46	85,0199	170,039	255,059	340,079	425,099	510,119	595,139	680,159	765,179	14
47	85,0046	170,009	255,013	340,018	425,023	510,027	595,032	680,036	765,041	13
48	84,9892	169,978	254,967	339,957	424,946	509,935	594,924	679,914	764,903	12
49	84,9739	169,947	254,921	339,895	424,869	509,843	594,817	679,791	764,765	11
50	84,9586	169,917	254,875	339,834	424,793	509,751	594,710	679,668	764,627	10
51	84,9432	169,886	254,829	339,773	424,716	509,659	594,602	679,546	764,489	9
52	84,9279	169,855	254,783	339,711	424,639	509,567	594,495	679,423	764,351	8
53	84,9125	169,825	254,737	339,650	424,562	509,475	594,387	679,300	764,212	7
54	84,8971	169,794	254,691	339,588	424,485	509,383	594,280	679,177	764,074	6
55	84,8818	169,763	254,645	339,527	424,409	509,290	594,172	679,054	763,936	5
56	84,8664	169,732	254,599	339,465	424,332	509,198	594,065	678,931	763,797	4
57	84,8510	169,702	254,553	339,404	424,255	509,106	593,957	678,808	763,659	3
58	84,8356	169,671	254,506	339,342	424,178	509,013	593,849	678,685	763,520	2
59	84,8202	169,640	254,460	339,280	424,101	508,921	593,741	678,561	763,382	1
60	84,8048	169,609	254,414	339,219	424,024	508,828	593,633	678,438	763,243	0
t	100	200	300	400	500	600	700	800	900	/
d	15	31	46	61	77	92	107	122	138	d

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мм	00	10	20	30	40	50	60	70	80	90
100	85	94	102	111	119	128	136	145	153	162
200	170	179	187	196	204	213	221	230	238	247
300	255	264	272	281	289	298	306	315	323	332
400	340	349	357	366	374	383	391	400	408	417
500	425	434	442	451	459	468	476	485	493	502
600	510	519	527	536	544	553	561	570	578	587
700	595	604	612	621	629	638	646	655	663	672
800	680	689	697	706	714	723	731	740	748	757
900	765	773	782	791	799	808	816	825	833	842

7 d	15	31	46	61	77	92	107	122	138
6	2	3	5	6	8	9	11	12	14
7	2	4	5	7	9	11	12	14	16
8	2	4	6	8	10	12	14	10	18
9	2	5	7	9	11	14	16	18	21
10	3	5	8	10	13	15	18	20	23
20	5	10	15	20	26	31	36	41	46
30	8	15	23	31	38	46	54	61	69
40	10	20	31	41	51	61	71	82	92
50	13	26	38	51	64	■ 76	89	102	115

/	100	200	300	400	500	600	700	800	900	*i*
30	52,2498	104,499	156,749	208,999	261,249	313,499	365,749	417,998	470,248	30
31	52,2746	104,549	156,824	209,098	261,373	313,648	365,922	418,197	470,471	29
32	52,2994	104,598	156,898	209,197	261,497	313,796	366,096	418,395	470,695	28
33	52,3242	104,648	156,972	209,297	261,621	313,945	366,269	418,594	470,918	27
34	52,3490	104,698	157,047	209,396	261,745	314,094	366,443	418,792	471,141	26
35	52,3738	104,747	157,121	209,495	261,869	314,242	366,616	418,990	471,364	25
36	52,3985	104,797	157,195	209,594	261,993	314,391	366,790	419,188	471,587	24
37	52,4233	104,846	157,270	209,693	262,116	314,540	366,963	419,386	471,810	23
38	52,4481	104,896	157,344	209,792	262,240	314,688	367,137	419,585	472,033	22
39	52,4729	104,945	157,418	209,891	262,364	314,837	367,310	419,783	472,256	21
40	52,4976	104,995	157,493	209,990	262,488	314,986	367,483	419,981	472,478	20
41	52,5224	105,044	157,567	210,089	262,612	315,134	367,656	420,179	472,701	19
42	52,5471	105,094	157,641	210,188	262,735	315,283	367,830	420,377	472,924	18
43	52,5719	105,143	157,715	210,287	262,859	315,431	368,003	420,575	473,147	17
44	52,5966	105,193	157,790	210,386	262,983	315,579	368,176	420,773	473,369	16
45	52,6213	105,242	157,864	210,485	263,107	315,728	368,349	420,971	473,592	15
46	52,6461	105,292	157,938	210,584	263,230	315,876	368,522	421,169	473,815	14
47	52,6708	105,341	158,012	210,683	263,354	316,025	368,696	421,366	474,037	13 '
48	52,6955	105,391	158,086	210,782	263,477	316,173	368,869	421,564	474,260	12
49	52,7203	105,440	158,160	210,881	263,601	316,321	369,042	421,762	474,482	11
50	52,7450	105,490	158,235	210,980	263,725	316,470	369,215	421,960	474,705	10
51	52,7697	105,539	158,309	211,078	263,848	316,618	369,388	422,157	474,927	9
52	52,7944	105,588	158,383	211,177	263,972	316,766	369,561	422,355	475,149	8
53	52,8191	105,638	158,457	211,276	264,095	316,914	369,733	422,553	475,372	7
54	52,8438	105,687	158,531	211,375	264,219	317,063	369,906	422,750	475,594	6
55	52,8685	105,737	158,605	211,474	264,342	317,211	370,079	422,948	475,816	5
56	52,8932	105,786	158,679	211,572	264,466	317,359	370,252	423,145	476,038	4
57	52,9179	105,835	158,753	211,671	264,589	317,507	370,425	423,343	476,261	3
58	52,9425	105,885	158,827	211,770	264,712	317,655	370,598	423,540	476,483	2
59	52,9672	105,934	158,901	21 í,869	264,836	317,803	370,770	423,738	476,705	1
60	52,9919	105,983	158,975	211,967	264,959	317,951	370,943	423,935	476,927	0

/	100	200	300	400	500	600	700	800	900	*t*
d	25	49	74	99	124	148	173	198	223	*d*

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ым	00	10	20	30	40	50	60	70	80	90
100	53	58	63	68	74	79	84	89	95	100
200	105	111	116	121	126	132	137	142	147	153
300	158	163	168	174	179'	184	189	195	200	205
400	210	216	221	226	232	237	242	247	253	258
500	263	268	274	279	284	289	295	300	305	310
600	316	321	326	332	337	342	347	353	358	363
700	368	374	379	384	389	395	400	405	410	416
800	421	426	431	437	442	447	453	458	463	468
900	474	479	484	489	495	500	505	510	516	521

"*Jd*	25	49	74	99	124	148	173	198	223
6	2	5	7	10	12	15	17	20	22
7	3	6	9	12	14	17	20	23	26
8	3	7	10	13	16	20	23	26	30
9	4	7	11	15	19	22	26	30	33
10	4	8	12	16	21	25	29	33	37
20	8	16	25	33	41	49	58	66	74
30	12	25	37	49	62	74	87	99	111
40	16	33	49	66	82	99	115	132	148
50	21	41	62	82	103	124	144	165	185

t	100	200	300	400	500	600	700	800	900	«
0	84,8048	169,609	254,414	339,219	424,024	508,828	593,633	678,438	763,243	60
1	84,7894	169,578	254,368	339,157	423,947	508,736	593,525	678,315	763,104	59
2	84,7739	169,548	254,321	339,095	423,869	508,643	593,417	678,191	762,965	58
3	84,7585	169,517	254,275	339,034	423,792	508,551	593,309	678,068	762,826	57
4	84,7431	169,486	254,229	338,972	423,715	508,458	593,201	677,944	762,687	56
5	84,7276	169,455	254,183	338,910	423,638	508,365	593,093	677,821	762,548	55
6	84,7122	169,424	254,136	338,848	423,561	508,273	592,985	677,697	762,409	54
7	84,6967	169,393	254,090	338,787	423,483	508,180	592,877	y677,573	762,270'	53
8	84,6812	169,362	254,043	338,725	423,406	508,087	592,768	677,450	762,131	52
9	84,6657	169,331	253,997	338,663	423,329	507,994	592,660	677,326	781,992	51
10	84,6503	169,300	253,951	338,601	423,251	507,901	592,552	677,202	761,852	50
11	84,6348	169,269	253,904	338,539	423,174	507,808	592,443	677,078	761,713	49
12	84,6193	169,238	253,858	338,477	423,096	507,716	592,335	676,954	761,573	48
13	84,6038	169,207	253,811	338,415	423,019	507,622	592,226	676,830	761,434	47
14	84,5883	169,176	253,765	338,353	422,941	507,529	592,118	676,706	761,294	46
15	84,5727	169,145	253,718	338,291	422,864	507,436	592,009	676,582	761,155	45
16	84,5572	169,114	253,671	338,229	422,788	507,343	591,900	676,458	761,015	44
17	84,5417	169,083	253,625	338,166	422,708	507,250	591,792	676,333	760,875	43
18	84,5261	169,052	253,578	338,104	422,631	507,157	591,683	676,209	760,735	42
19	84,5106	169,021	253,532	338,042	422,553	507,063	591,574	676,085	760,595	41
20	84,4950	168,990	253,485	337,980	422,475	506,970	591,465	675,960	760,455	40
21	84,4795	168,959	253,438	337,918	422,397	506,877	591356	675,836	760,315	39
22	84,4639	168,928	253,391	337,855	422,319	506,783	591,247	675,711	760,175	38
23	84,4483	168,896	253,345	337,793	422,241	506,690	591,138	675,587	760,035	37
24	84,4328	168,865	253,298	337,731	422,164	506,596	591,029	675,462	759395	36
25	84,4172	168,834	253,251	337,668	422,086	506,503	590,920	675,337	759,754	35
26	84,4016	168,803	253,204	337,606	422,008	506,409	590,811	675,212	759,614	34
27	84,3860	168,772	253,158	337,544	421,930	506,316	590,702	675,088	759,474	33
28	84,3704	168,740	253,111	337,481	421,852	506,222	590,592	674,963	759,333	32
29	84,3547	168,709	253,064	337,419	421,773	506,128	590,483	674,838	759,193	31
30	84,3391	168,678	253,017	337,356	421,695	506,034	590,374	674,713	759,052	30
/	100	200	300	400	500	600	700	800	900	/
d	16	31	47	62	78	93	109	124	140	d

t
+122°
—302°

A» 57° sin 57°+
237°—

MM	00	10	20	30	40	50	60	70	80	90	7 d	16	31	47	62	78	93	109	124	140
100	85	93	101	110	118	127	135	144	152	161	6	2	3	5	6	8	9	11	12	14
200	169	178	186	195	203	211	220	228	237	245	7	2	4	5	7	9	11	13	14	16
300	254	262	271	279	288	296	304	313	321	330	8	2	4	6	8	10	12	14	17	19
400	338	347	355	364	372	381	389	397	406	414	9	2	5	7	9	12	14	16	19	21
500	423	431	440	448	457	465	474	482	491	499	10	3	5	8	10	13	16	18	21	23
600	507	516	524	533	541	550	558	567	575	584	20	5	10	16	21	26	31	36	41	47
700	592	600	609	617	626	634	643	651	660	668	30	8	16	23	31	39	47	54	62	70
800	677	685	693	702	710	719	727	736	744	753	40	10	21	31	41	52	62	72	83	93
900	761	770	778	787	795	803	812	820	829	837	50	13	26	39	52	65	78	90	103	116

—242° +32“ * sin 32° Д у 327°— 147°+ *

t	100	200	300	400	500	600	700	800	900	«
0	52,9919	105,983	158,975	211,967	264,959	317,951	370,943	423,935	476,927	60
1	53,0165	106,033	159,049	212,066	265,083	318,099	371,116	424,132	477,149	59
2	53,0412	106,082	159,123	212,165	265,206	318,247	371,288	424,330	477,371	58
3	53,0659	106,131	159,197	212,263	265,329	318,395	371,461	424,527	477,593	57
4	53,0905	106,181	159,271	212,362	265,452	318,543	371,634	424,724	477,815	56
5	53,1152	106,230	159,345	212,460	265,576	318,691	371,806	424,921	478,036	55
6	53,1398	106,279	159,419	212,559	265,699	318,839	371,979	425,118	478,258	54
7	53,1645	106,329	159,493	212,658	265,822	318,987	372,151	425,316	478,480	53.
8	53,1891	106,378	159,567	212,756	265 945	319,134	372,323	425,513	478,702	52
9	53,2137	106,427	159,641	212,855	266,068	319,282	372,496	425,710	478,923	51
. 10	53,2383	106,476	159,715	212,953	266,192	319,430	372,668	425,907	479,145	50
11	53,2630	106,526	159,789	213,052	266,315	319,578	372,841	426,104	479,367	49
12	53,2876	106,575	159,862	213,150	266,438	319,725	373,013	426,301	479,588	48
13	53,3122	106,624	159,936	213,249	268,561	319,873	373,185	426,497	479,810	47
14	53,3368	106,673	160,010	213,347	266,684	320,021	373,357	426,694	480,031	46
15	53,3614	106,722	160,084	213,445	266,807	320,168	373,530	426,891	480,253	45
16	53,3860	106,772	160,158	213,544	266,930	320,316	373,702	427,088	480,474	44
17	53,4106	106,821	160,232	213,642	267,053	320,463	373,874	427,285	480,695	43
18	53,4352	106,870	160,305	213,741	267,176	320,611	374,046	427,481	480,917	42
19	53,4598	106,919	160,379	213,839	267,299	320,758	374,218	427,678	481,138	41
20	53,4844	106,968	160,453	213,937	267,422	320,906	374,390	427,875	481,359	40
21	53,5089	107,018	160,527	214,035	267,544	321,053	374,562	428,071	481,580	39
22	53,5335	107,067	160,600	214,134	267,667	321,201	374,734	428,268	481,801	38
23	53,5581	107,116	160,674	214,232	267,790	321,348	374,906	428,464	482,023	37
24	53,5826	107,165	160,748	214,330	267,913	321,496	375,078	428,661	482,244	36
25	53,6072	107,214	160,821	214,429	268,036	321.6¿3	375,250	428,857	482,465	35
26	53,6317	107,263	160,895	214,527	26S,159	321,790	375,422	429,054	482,686	34
27	53,6563	107,312	160,969	214,625	268,281	321,938	375,594	429,250	482,907	33
28	53,6808	107,361	161,042	214,723	268,404	322,085	375,766	429,447	483,127	32
29	53,7054	107,410	161,116	214,821	268,527	322,232	375,938	429,643	483,348	31
30	53,7299	107,460	161,189	214,919	268,649	322,379	376,109	429,839	483,569	30
t	100	. 200	300	400	500	600	700	800	900	0
d	25	49	74	98	123	148	172	197	221	d

—/**22**, 1 +302” Дх 57° cos 57°+ 237°—

мм	00	10	20	30	40	50	60	70	80	90
100	53	59	64	69	75	80	85	91	96	101
?no	107	112	117	123	128	133	139	144	149	155
300	160	165	171	17fi	181	187	192	197	203	208
400	213	219	224	229	235	240	245	251	256	261
500	267	272	277	283	288	293	299	304	309	315 /
ROO	320	32fi	331	336	342	347	352	358	363	368
70П	374	379	384	390	395	400	40fi	411	416	422
800	427	432	438	443	448	454	459	464	470	475
900	480	486	491	496	502	507	512	518	523	528

4d	25	49	74	98	123	148	172	197	221
6	2	5	7	10	12	15	17	20	22
7	3	6	9	11	14	17	20	23	26
8	3	7	10	13	16	20	23	26	30
9	4	7	11	15	18	22	26	30	33
10	4	8	12	16	21	25	29	33	d/
20	8	16	25	33	41	49	57	66	74
30	12	25	37	49	62	V4	86	У8	111
40	16	33	49	66	82	98	115	131	148
50	20	41	62	82	102	m	144	164	18b

t	100	200	300	400	500	600	700	800	900	/
30	84,3391	168,678	253,017	337,356	421,695	506,034	590,374	674,713	759,052	30
31	84,3235	168,647	252,970	337,294	421,617	505,941	590,264	674,588	758,911	29
32	84,3078	168,615	252,923	337,231	421,539	505,847	590,155	674,463	758,770	28
33	84,2922	168,584	252,876	337,168	421,461	505,753	590,045	674,337	758,630	27
34	84,2765	168,553	252,829	337,106	421,382	505,659	589,936	674,212	758,489	26
35	84,2609	168,521	252,782	337,043	421,304	505,565	589,826	674,087	758,348	25
36	84,2452	168,490	252,735	336,981	421,226	505,471	589,716	673,962	758,207	24
37	84,2295	168,459	252,688	336,918	421,147	505,377	589,607	673,836	758,066	23
38	84,2138	168,427	252,641	336,855	421,069	505,283	589,497	673,711	757,925	22
39	84,1982	168,396	252,594	336,792	420,991	505,189	589,387	673,585	757,78*3	21
40	84,1825	168,365	252,547	336,730	420,912	505,095	589,277	673,460	757,642	20
41	84,1668	168,333	252,500	336,667	420,834	505,000	589,167	673,334	757,501	19
42	84,1510	168,302	252,453	336,604	420,755	504,906	589,057	673,208	757,359	18
43	84,1353	168,270	252,406	336,541	420,676	504,812	588,947	673,082	757,218	17
44	84,1196	168,239	252,359	336,478	420,598	504,717	588,837	672,957	757,076	16
45	84,1039	168,207	252,311	336,415	420,519	504,623	588,727	672,831	756,935	15
46	84,0881	168,176	252,264	336,352	420,440	504,529	588,617	672,705	756,793	14
47	84,0724	168,144	252,217	336,289	420,362	504,434	588,507	672,579	756,651	13
48	84,0566	168,113	252,170	336,226	420,283	504,340	588,396	672,453	756,510	12
49	84,0409	168,081	252,122	336,163	420,204	504,245	588,286	672,327	756,368	11
50	84,0251	168,050	252,075	336,100	420,125	504,150	588,176	672,201	756,226	10
51	84,0093	168,018	252,028	336,037	420,046	504,056	588,065	672,074	756,084	9
52	83,9935	167,987	251,980	335,974	419,967	503,961	587,955	671,948	755,942	8
53	83,9777	167,955	251,933	335,911	419,889	503,866	587,844	671,822	755,800	7
54	83,9619	167,924	251,886	335,848	419,810	503,772	587,734	671,696	755,657	6
55	83,9461	167,892	251,838	335,784	419,731	503,677	587,623	671,569	755,515	5
56	83,9303	167,800	251,791	335,721	419,651	503,582	587,512	671,443	755,373	4
57	83,9145	167,829	251,743	335,658	419,572	503,487	587,402	671,316	755,231	3
58	83,8987	167,797	251,696	335,595	419,493	503,392	587,291	671,189	755,088	2
59	83,8829	167,765	251,648	335,531	419,414	503,297	587,180	671,063	754,946	1
60	83,8670	167,734	251,601	335,468	419,335	503,202	587,069	670,936	754,803	0
/	100	200	300	400	500	600	700	800	900	'
d	16	31	47	63	79	94	110	126	142	d

ЫМ	00	10	20	30	40	50	00	70	80	90
100	84	93	101	109	118	126	135	143	151	160
200	168	177	185	193	202	210	219	227	235	244
300	252	261	269	278	286	294	303	311	320	323
400	336	345	353	362	370	378	387	395	404	412
500	421	429	437	446	454	463	471	479	488	496
600	505	513	521	530	538	547	555	503	572	580
700	589	597	606	614	622	631	639	648	656	664
800	673	681	690	698	706	715	723	732	740	749
900	757	765	774	782	791	799	807	816	824	833

"Id	16	31	47	63	79	94	110	126	142
6	2	3	5	6	8	9	11	13	14
7	2	4	6	7	9	11	13	15	17
8	2	4	6	8	10	13	15	17	19
9	2	5	7	9	12	14	17	19	21
10	3	5	8	10	13	16	18	21	24
20	5	10	16	21	26	31	37	42	47
30	8	16	24	31	39	47	55	63	71
40	10	21	31	42	52	63	73	84	94
50	13	26	39	52	66	77	92	105	118

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/	100	200	300	400	500	600	700	800	900	t,
30	53,7299	107,460	161,189	214,919	268,649	322,379	376,109	429,839	483,569	30
31	53,7544	107,509	161,263	215,018	268,772	322,527	376,281	430,036	483,790	29
32	53,7790	107,558	161,337	215,116	268,895	322,674	376,453	430,232	484,011	28
33	53,8035	107,607	161,410	215,214	269,017	322,821	376,624	430,428	484,231	27
34	53,8280	107,656	161,484	215,312	269,140	322,968	376,796	430,624	484,452	26
35	53,8525	107,705	161,557	215,410	269,262	323,115	376,968	430,820	484,673	25
36	53,8770	107,754	161,631	215,508	269,385	323,262	377,139	431,016	484,893	24
37	53,9015	107,803	161,704	215,606	269,507	323,409	377,311	431,212	485,114	23
38	53,9260	107,852	161,778	215,704	269,630	323,556	377,482	431,408	485,334	22
39	53,9505	107,901	161,851	215,802	269,752	323,703	377,654	431,604	485,555	21
40	53,9750	107,950	161,925	215,900	269,875	323,850	377,825	431,800-	485,775	20
41	53,9995	107,999	161,998	215,998	269,997	323,997	377,996	431,996	485,996	19
42	54,0240	108,048	162,072	216,096	270,120	324,144	378,168	432,192	486,216	18
43	54,0485	108,097	162,145	216,194	270,242	324,291	378,339	432,388	486,436	17
44	54,0729	108,146	162,219	216,291	270,364	324,437	378,510	432,583	486,656	16
45	54,0974	108,194	162,292	216,389	270,487	324,584	378,682	432,779	486,877	15
46	54,1219	108,243	162,365	216,487	270,609	324,731	378,853	432,975	487,097	14
47	54,1463	108,292	162,439	216,585	270,731	324,878	379,024	433,170	487,317	13
48	54,1708	108.341	162,512	216,683	270,854	325,024	379,195	433,366	487,537	12
49	54,1952	108,390	162,585	216,781	270,976	325,171	379,366	433,562	487,757	И
50	54,2197	108,439	162,659	216,878	271,098	325,318	379,538	433,757	487,977	10
51	54,2441	108,488	162,732	216,976	271,220	325,464	379,709	433,953	488,197	9
52	54,2685	108,537	162,805	217,074	271,342	325,611	379,880	434,148	488,417	8
53	54,2930	108,586	162,879	217,172	271,465	325,758	380,051	434,344	488,637	7
54	54,3174	108,634	162,952	217,269	271,587	325,904	380,222	434,539	488,857	6
55	54,3418	108,683	163,025	217,367	271,709	326,051	380,393	434,734	489,076	5
56	54,3662	108,732	163,098	217,465	271,831	326,197	380,564	434,930	489,296	4
57	54,3906	108,781	163,172	217,562	271,953	326,344	380,734	435,125	489,516	3
58	54,4151	108,830	163,245	217,660	272,075	326,490	380,905	435,320	489,735	2
59	54,4395	108,879	163,318	217,758	272,197	326,637	381,076	435,516	489,955	1
60	54,4639	108,927	163,391	217,855	272,319	326,783	381,247	435,711	490,175	0

/	100	200	300	400	500	600	700	800	900	t
d	24	49	73	98	122	147	171	196	220	d

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+302°

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57°

cos

t
57°+
237°—

мм	00	10	20	30	40	50	60	70	80	90
100	54	60	65	70	76	81	87	92	97	103
200	108	114	119	124	130	135	141	146	151	157
300	162	168	173	179	184	189	195	200	206	211
400	216	222	227	233	238	243	249	254	260	265
500	270	276	281	287	292	298	303	308	314	319
600	325	330	335	341	346	352	357	362	368	373
700	379	384	390	395	400	406	411	417	422	427
800	433	438	444	449	454	460	465	471	476	481
900	487	492	498	503	509	514	519	525	530	536

”/d	24	49	73	98	122	147	171	196	220
6	2	5	7	10	12	15	17	¿0	22
7	3	6	9	11	14	17	20	23	26
8	3	7	10	13	16	20	23	26	29
9	4	7	11	15	18	22	26	29	33
10	4	8	12	16	20	24	29	33	37
20	8	16	24	33	41	49	57	65	73
30	12	24	37	49	61	73	86	98	110
40	16	33	49	65	82	98	114	130	147
50	20	41	61	82	102	122	143	163	183

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+33°
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cos 33° *Ax*

326*+
146°—

/	100	200	300	400	500	600	700	800	900	*i*
0	83,8670	167,734	251,601	335,468	419,335	503,202	587,069	670,936	754,803	60
1	83,8512	167,702	251,553	335,404	419,256	503,107	586,958	670,809	754,660	59
2	83,8353	167,670	251,506	335,341	419,176	503,012	586,847	670,682	754,518	58
3	83,8195	167,639	251,458	335,278	419,097	502,917	586,736	670,556	754,375	57
4	83,8036	167,607	251,410	335,214	419,018	502,821	586,625	670,429	754,232	56
5	83,7877	167,575	251,363	335,151	418,938	502,726	586,514	670,302	754,089	55
6	83,7718	167,543	251,315	335,087	418,859	502,631	586,403	670,175	753,946	54
7	83,7559	167,512	251,268	335,024	418,780	502,535	586,291	670,047	753,803	53
8	83,7400	167,480	251,220	334,960	418,700	502,440	586,180	669,920	753,660	52
9	83,7241	167,448	251,172	334,896	418,621	502,345	586,069	669,793	753,517	51
10	83,7082	167,416	251,124	334,833	418,541	502,249	585,958	669,666	753,374	50
11	83,6923	167,384	251,077	334,769	418,461	502,154	585,846	669,538	753,231	49
12	83,6764	167,352	251,029	334,705	418,382	502.058	585,735	669,411	753,087	48
13	83,6605	167,321	250,981	334,642	418,302	501,963	585,623	669,284	752,944	47
14	83,6445	167,289	250,933	334,578	418,222	501,867	585,512	669,156	752,801	46
15	83,6286	167,257	250,885	334,514	418,143	501,771	585,400	669,029	752,657	45
16	83,6126	167,225	250,838	334,450	418,063	501,676	585,288	668,901	752,514	44
17	83,5967	167,193	250,790	334,386	417,983	501,580	585,177	668,773	752,370	43
18	83,5807	167,161	250,742	334,323	417,903	501,484	585,065	668,645	752,226	42
19	83,5647	167,129	250,694	334,259	417,823	501,388	584,953	668,518	752,082	41
20	83,5487	167,097	250,646	334,195	417,744	501,292	584,841	668,390	751,939	40
21	83,5328	167,065	250,598	334,131	417,664	501,196	584,729	668,262	751,795	39
22	83,5168	167,033	250,550	334,067	417,584	501,100	584,617	668,134	751,651	38
23	83,5008	167,001	250,502	334,003	417,504	501,004	584,505	668,006	751,507	37
24	83,4847	166,969	250,454	333,939	417,424	500,908	584,393	667,878	751,363	36
25	83,4687	166,937	250,406	333,875	417,343	500,812	584,281	667,750	751,219	35
26	83,4527	166,905	250,358	333,811	417,263	500,716	584,169	66?,622	751,074	34
27	83,4367	166,873	250,310	333,746	417,183	500,620	584,057	667,493	750,930	33
28	83,4206	166,841	250,262	333,682	417,103	500,524	583,944	667,365	750,786	32
29	83,4046	166,809	250,214	333,618	417,023	500,427	583,832	667,237	750,641	31
30	83,3885	166,777	250,165	333,554	416,943	500,331	583,720	667,108	750,497	30
t	100	200	300	400	500	600	700	800	900	*t*
d	16	32	48	64	80	96	112	128	144	*d*

+123°
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ày 56° SU)

56°+
236°—

MM	00	10	20	30	40	50	60	70	80	90
100	84	92	100	109	117	125	134	142	151	159
200	167	176	184	192	201	209	217	226	234	243
300	251	259	268	276	284	293	301	309	318	326
400	335	343	351	360	368	376	385	393	401	410
500	418	427	435	443	452	460	468	477	486	493
600	502	510	518	527	535	544	552	560	569	577
700	585	594	602	*610*	619	627	636	644	652	661
800	669	677	686	694	702	711	719	728	736	744
900	753	761	769	778	786	794	803	811	820	828

'/d	16	32	48	64	80	96	112	128	144
6	2	3	5	6	8	10	11	13	14
7	2	4	6	7	9	11	13	15	17
8	2	4	6	9	11	13	15	17	19
9	2	5	7	10	12	14	17	19	22
10	3	5	8	11	13	16	19	21	24
20	5	11	16	21	27	32	37	43	48
30	8	16	24	32	40	48	56 ■ *-64*		72
40	11	21	32	43	53	64	74	85	96
50	13	27	40	53	67	80	93	106	120

+33° sin 33° *Ay* 49fi°__ 146°+ *i*

!	100	200	300	400	500	600	700	800	900	*t*
0	54,4639	108,927	163,391	217,855	272,319	326,783	381,247	435,711	490,175	30
1	54,4883	108,976	163,464	217,953	272,441	326,929	381,418	435,906	490,394	29
2	54,5126	109,025	163,538	218,050	272,563	327,076	381,588	436,101	490,614	28
3	54,5370	109,074	163,611	218,148	272,685	327,222	381,759	436,296	490,833	27
4	54,5614	109,122	163,684	218,245	272,807	327,368	381,930	436,491	491,053	26
5	54,5858	109,171	163,757	218,343	272,929	327,515	382,100	436,68$	491,272	25
6	54,6102	109,220	163,830	218,440	273,051	327,661	382,271	436,881	491,491	24
7	54,6345	109,269	163,903	218,538	273,172	327,807	382,441	437,076	491,711	23
8	54,6589	109,317	163,976	218,635	273,294	327,953	382,612	437,271	491,930	22
9	54,6832	109,366	164,049	218,733	273,416	328,099	382,783	437,466	492,149	21
10	54,7076	109,415	164,122	218,830	273,538	328,245	382,953	437,661	492,368	20
11	54,7319	109,464	164,196	218,927	273,659	328,391	383,123	437,855	492,587	19
12	54,7563	109,512	164,269	219,025	273,781	328,537	383,294	438,050	492,806	18
13	54,7806	109,561	164,342	219,122	273,903	328,684	383,464	438,245	493,025	17
14	54,8049	109,610	164,415	219,220	274,025	328,830	383,635	438,439	493,244	16
15	54,8293	109,658	164,488	219,317	274,146	328,975	383,805	438,634	493,463	15
16	54,8536	109,707	164,561	219,414	274,268	329,121	383,975	438,829	493,682	14
17	54,8779	109,756	164,633	219,511	274,389	329,267	384,145	439,023	493,901	13
18	54,9022	109,804	164,706	219,609	274,511	329,413	384,316	439,218	494,120	12
19	54,9265	109,853	164,779	219,706	274,633	329,559	384,486	439,412	494,339	11
20	54,9508	109,901	164,852	219,803	274,754	329,705	384,656	439,607	494,558	10
21	54,9752	109,950	164,925	219,900	274,876	329,851	384,826	439,801	494,776	9
22	54,9994	109,999	164,998	219,998	274,997	329,997	384,996	439,995	494,995	8
23	55,0237	110,047	165,071	220,095	275,118	330,142	385,166	440,190	495.214	7
24	55,0480	110,096	165,144	220,192	275,240	330,288	385,336	440,384	495,432	6
25	55,0723	110,144	165,217	220,289	275,361	330,434	385,506	440,578	495,651	5
26	55,0966	110,193	165,289	220,386	275,483	330,579	385,676	440,773	495,869	4
27	55,1209	110,241	165,362	220,483	275,604	330,725	385,846	440,967	496,088	3
28	55,1451	110,290	165,435	220,580	275,725	330,871	386,016	441,161	496,306	2
29	55,1694	110,338	165,508	220,677	275,847	331,016	386,186	441,355	496,524	1
30	55,1936	110,387	165,581	220,774	275,968	331,162	386,355	441,549	496,743	0
t	100	200	300	400	500	600	700	800	900	*!*
d	24	49	73	97	122	146	170	195	219	*d*

—/**23°** Д* 56° eos t 5fi°+ 236°—

uu	00	10	20	30	40	50	60	70	80	90
100	55	60	66	71	77	82	88	93	99	104
200	110	115	121	126	132	137	143	148	154	159
300	164	170	175	181	186	192	197	203	208	2)4
400	219	225	230	236	241	247	252	258	263	269
500	274	280	285	291	296	302	307	313	318	323
600	329	334	340	345	351	356	362	367	373	378
700	384	389	395	400	406	411	417	422	428	433
800	439	444	450	455	461	466	472	477	482	488
900	493	499	504	510	515	521	526	532	537	543

7<¿	24	49	73	97	122	146	170	195	219
6	2	5	7	10	12	15	17	19	22
7	3	6	9	11	14	17	20	23	26
8	3	6	10	13	■ 16	19	23	26	29
9	4	7.	11	15	18	22	26	29	33
10	4	8	12	16	20	24	28	32	36
20	8	16	24	32	41	49	57	65	73
30	12	24	36	49	61	73	85	97	109
40	16	32	49	65	81	97	114	130	146
50	20	41	61	81	101	122	142	162	182

t	100	200	300	400	500	600	700	800	900	/
30	83,3885	166,777	250,165	333,554	416,943	500,331	583,720	667,108	750,497	30
31	83,3725	166,745	250,117	333,490	416,862	500,235	583,607	666,980	750,352	29
32	83,3564	166,713	250,069	333,425	416,782	500,138	583,495	666,851	750,208	28
33	83,3403	166,680	250,021	333,361	416,702	500,042	583,382	666,723	750,063	27
34	83,3243	166,648	249,973	333,297	416,621	499,945	583,270	666,594	749,918	26
35	83,3082	166,616	249,924	333,232	416,541	499,849	583,157	■666,465	749,774	25
36	83,2921	166,584	249,876	333,168	416,460	499,752	583,044	666,337	749,629	24
37	83,2760	166,552	249,828	333,104	416,380	499,656	582,932	666,208	749,484	23
38	83,2599	166,519	249,779	333,039	416,299	499,559	582,819	666,079	749,339	22
39	83,2438	166,487	249,731	332,975	416,219	499,462	582,706	665,950	749,194	21
40	83,2276	166,455	249,683	332,910	416,138	499,366	582,593	665,821	749,049	20
41	83,2115	166,423	249,634	332,846	416,057	499,269	582,480	665,692	748,904	19
42	83,1954	166,390	249,586	332,781	415,977	499,172	582,367	665,563	748,758	18
43	83,1792	166,358	249,537	332,717	415,896	499,075	582,254	665,434	748,613	17
44	83,1631	166,326	249,489	332,652	415,815	498,978	582,141	665,305	748,468	16
45	83,1469	166,294	249,440	332,587	415,734	498,881	582,028	665,175	748,322	15
40	83,1308	166,261	249,392	338,523	415,654	498,784	581,915	665,046	748,177	14
47	83,1146	166,229	249,343	332,458	415,573	498,687	581,802	664,917	748,031	13
48	83,0984	166,196	219,295	332,393	415,492	498,590	581,689	664,787	747,886	12
49	83,0822	166,164	249,246	332,329	415,411	498,493	581,575	664,658	747,740	11
50	<63,0660	166,132	249,198	332,264	415,330	498,396	581,462	664,528	747,594	10
51	83,0498	166,099	249,149	332,199	415,249	498,299	581,349	664,399	747,448	9
52	83,0336	166,067	249,101	332,134	415,168	498,202	581,235	664,269	747,303	8
53	83,0174	166,035	249,052	332,069	415,087	498,104	581,122	664,139	747.157	7
54	83,0012	166,002	249,003	332,005	415,006	498,007	581,008	664,009	747,011	6
55	82,9850	165,970	248,955	331,940	414,925	497,910	580,895	663,880	746,865	5
50	82,9087	165,937	248,906	331,875	414,843	497,812	580,781	663,750	746,719	4
57	82,9525	165,805	248,857	331,810	414,762	497,715	580,667	663,620	746,572	3
58	82,9362	165,872	248,808	331,745	414,681	497,617	580,554	663,490	746,426	. 2
59	82,9200	165,840	248,760	331,680	414,600	497,520	580,440	663,360	746,280	1
60	82,9037	165,807	248,711	331,615	414,518	497,422	580,326	663,230	746,133	0

t	100	200	300	400	500	600	700	800	900	/
d	16	32	48	65	81	97	113	129	145	d

t
+ 123°
—303°

Д.У 56° sin

t
56°+
236°—

мм	00	10	20	30	40	50	60	70	80	90	″/d	16	32	48	65	81	97	113	129	145
100	83	91	100	108	116	125	133	141	150	158	6	2	3	5	6	8	10	11	13	15
200	166	175	183	191	200	208	216	224	233	241	7	2	4	6	8	9	11	13	15	17
300	249	258	266	274	283	291	299	308	316	324	8	2	4	6	9	11	13	15	17	19
400	333	341	349	358	366	374	382	391	399	407	9	2	5	7	10	12	15	17	19	22
500	416	424	432	441	449	457	466	474	482	491	10	3	5	8	11	13	16	19	22	24
600	499	507	516	524	532	540	549	557	565	574	20	5	11	16	22	27	32	38	43	49
700	582	590	599	6Ó7	615	624	632	640	649	657	30	8	16	24	32	40	49	57	65	73
800	665	673	682	690	698	707	715	723	732	740	40	11	22	32	43	54	65	75	86	97
900	748	757	765	773	782	790	798	807	815	823	50	13	27	40	54	67	81	94	108	121

/	100	200	300	400	500	600	700	800	900	$
30	55,1937	110,387	165,581	220,774	275,968	331,162	386,355	441,549	496,743	*30*
31	55,2179	110,435	165,653	220,871	276,089	331,307	386,525	441,743	496,961	29
32	55,2422	110,484	165,726	220,968	276,211	331,453	386,695	441,937	497,179	28
33	55,2664	110,532	165,799	221,065	276,332	331,598	386,865	442,131	497,398	27
34	55,2906	110,581	165,872	221,162	276,453.	331,744	387,034	442,325	497,816	26
35	55,3149	110,629	165,944	221,259	276,574	331,889	387,204	442,519	497,834	25
36	55,3391	110,678	166,017	221,356	276,695	332,034	387,374	442,713	498,052	24
37	55,3633	110,726	166,090	221,453	276,816	332,180	387,543	442,907	498,270	23
38	55,3876	110,775	166,162	221,550	276,938	332,325	387,713	443,100	498,488	22
39	55,4118	110,823	166,235	221,647	277,059	332,470	387,882	443,294	498,706	21
40	55,4360	110,872	166,308	221,744	277,180	332,616	388,052	443,488	498,924	20
41	55,4602	110,920	166,380	221,841	277,301	332,761	388,221	443,681	499,142	19
42	55,4844	110,968	166,453	221,937	277,422	332,906	388,391	443,875	499,360	18
43	55,5086	111,017	166,526	222,034	277,543	333,051	•388,560	444,069	499,577	17
44	55,5328	111,065	166,598	222,131	277,664	333,197	388,729	444,262	499,795	16
45	55,5570	111,114	166,671	222,228	277,785	333,342	388,899	444,456	500,013	15
46	55,5812	111,162	166,743	222,324	277,906	333,487	389,068	444,649	500,230	14
47	55,6053	111,210	166,816	222,421	278,026	333,632	389,237	444,843	500,448	13
48	55,6295	111,259	166,888	222,518	278,147	333,777	389,406	445,036	500,666	12
49	55,6537	111,307	166,961	222,614	278,268	333,922	389,576	445,229	500,883	11
50	55,6778	111,355	167,033	222,711	278,389	334,067	389,745	445,423	501,101	10
51	55,7020	111,404	167,106	222,808	278,510	334,212	389,914	445,616	501,318	9
52	55,7202	111,452	167,178	222,904	278,631	334,357	390,083	445,809	501,535	8
53	55,7503	111,500	167,251	223,001	278,751	334,502	390,252	446,002	501,753	7
54	55,7745	111,549	167,323	223,098	278,872	334,647	390,421	446,196	501,970	6
55	55,7986	111,597	167,396	223,194	278,993	334,791	390,590	446,389	502,1¿7	5
56	55,8227	111,645	167,468	223,291	279,113	334,936	390,759	446,582	502,405	4
57	55,8469	111,693	167,540	223,387	279,234	335,081	390,928	446,775	502,622	3
58	55,8710	111,742	167,613	223,484	279,355	335,226	391,097	446,968	502,839	2
59	55,8951	111,790	167,685	223,580	279,475	335,371	391,266	447,161	503,056	1
60	55,9192	111,838	167,757	223,677	279,596	335,515	391,435	447,354	503,273	0
/	100	200	300	400	500	600	700	800	900	/
d	24	48	72	97	121	145	169	194	,218	*d*

/t
—123°
4-303°

Лт 56” cos

t
56°+
236°—

MM	00	10	20	30	40	50	60	70	80	90	•/*d*	24	48	72	97	121	145	169	194	218
100	56	61	67	72	78	83	89	94	100	106	6	2	5	7	10	12	15	17	19	22
200	111	117	122	128	133	139	144	150	156	161	7	3	6	8	11	14	17	20	23	25
300	167	172	178	183	189	194	200	206	211	217	8	3	6	10	13	16	19	23	26	29
400	222	228	233	239	244	250	256	261	267	272	9	4	7	11	15	18	22	25	29	33
500	278	283	289	294	300	306	311	317	322	328	10	4	8	12	16	20	24	28	32	36
600	333	339	344	350	356	361	367	372	378	383	20	8	16	24	32	40	48	56	64	73
700	389	394	400	406	411	417	422	428	433	439	30	12	24	36	48	60	73	85	97	1Ó9
800	444	450	456	461	467	472	478	483	489	494	40	16	32	48	64	81	97	113	129	145
900	500	506	511	517	522	528	533	539	544	550	50	20	40	60	81	101	121	141	161	181

—214e 1
+34e 1

cos 34° ÂZ

325°+
145°—
*

'	100	200	300	400	500	600	700	800	900	'
0	82,9037	165,807	248,711	331,615	414,518	497,422	580,326	663,230	746,133	60
1	82,8874	165,775	248,662	331,550	414,437	497,325	580,212	663,099	745,987	59
2	82,8712	165,742	248,613	331,484	414,356	497,227	580,098	662,969	745,840	58
3	82,8549	165,709	248,564	331,419	414,274	497,129	579,984	662,839	745,694	57
4	82,8386	165,677	248,516	331;354	414,193	497,031	579,870	№2,709	745,547	56
5	82,8223	165,644	248,467	331,289	414,111	496,934	579,756	662,578	745,401	55
6	82,8060	165,612	248,418	331,224	414,030	496,836	579,642	662,448	745,254	54
7	82,7897	165,579	248,369	331,158	413,948	496,738	579,528	662,317	745,107	53
8	82,7734	165,546	248,320	331,093	413,867	496,640	579,413	662,187	744,960	52
9	82,7570	165,514	248,271	331,028	413,785	496,542	579,299	662,056	744,813	51
10	82,7407	165,481	248,222	330,963	413,703	496,444	579,185	661,926	744,666	50
11	82,7244	165,448	248,173	330,897	413,622	496,346	579,070	661,795	744,519	49
12	82,7080	165,416	248,124	330,832	413,540	496,248	578,956	661,664	744,372	48
13	82,6917	165,383	248,075	330,766	413,458	496,150	578,842	661,533	744,225	47
14	82,6753	165,350	248,026	330,701	413,376	496,052	578,727	661,402	744,078	46
15	82,6589	165,318	247,977	330,636	413,294	495,953	578,612	661,271	743,930	45
16	82,6426	165,285	247,927	330,570	413,213	495,855	578,498	661,140	743,783	44
17	82,6262	165,252	247,878	330,504	413,131	495,757	578,383	661,009	743,636	43
18	82,6098	165,219	247,829	330,439	413,049	495,659	578,268	660,878	743,488	42
19	82,5934	165,186	247,780	330,373	412,967	495,560	578,154	660,747	743,341	41
20	82,5770	165,154	247,731	330,308	412,885	495,462	578,039	660,616	743,193	40
21	82,5606	165,121	247,681	330,242	412,803	495,363	577,924	660,485	743,045	39
22	82,5442	165,088	247,632	330,176	412,721	495,265	577,809	660,353	742,897	38
23	82,5277	165,055	247,583	330,111	412,639	495,166	577,694	660,222	742,750	37
24	82,5113	165,022	247,534	330,045	412,556	495,068	577,579	660,090	742,602	36
25	82,4949	164,989	247,484	329,979	412,474	494,969	577,464	659,959	742,454	35
26	82,4784	164,957	247,435	329,913	412,392	494,870	577,349	659,827	742,306	34
27	82,4620	164,924	247,386	329,848	412,310	494,772	577,234	659,696	742,158	33
28	82,4455	164,891	247,336	329,782	412,227	494,673	577,119	659.564	742,010	32
,29	82,4291	164,858	247,287	329,716	412,145	494,574	577,003	659,432	741,861	31
30	82,4126	164,825	247,237	329,650	412,063	494,475	576,888	659,301	741,713	30
/	100	200	300	400	500	600	700	800	900	«
d	16	33	49	65	82	98	114	131	147	d

t
+ 124°
—304°

Д у 55e sin

55°+
235°—

мм	00	10	20	30	40	50	60	70	80	90	ηà	16	33	49	65	82	98	114	131	147
100	83	91	99	107	116	124	132	141	149	157	6	2	3	5	7	8	10	11	13	15
200	165	174	182	190	198	207	215	223	231	240	7	2	4	6	8	10	11	13	15	17
300	248	256	265	273	281	289	298	306	314	322	8	2	4	7	9	11	13	15	17	20
400	331	339	347	355	364	372	380	388	397	405	9	2	5	7	10	12	15	17	20	22
500	413	422	430	438	446	455	463	471	479	488	10	3	5	8	11	14	16	19	22	25
600	496	504	512	521	529	537	546	554	562	570	20	5	11	16	22	27	33	38	44	49
700	579	587	595	603	612	620	628	636	645	653	30	8	16	25	33	41	49	57	66	74
800	661	670	678	686	694	703	711	719	727	736	40	11	22	33	44	55	66	76	87	98
900	744	752	760	769	777	785	794	802	810	818	50	14	27	41	55	68	82	96	109	123

t	100	200	300	40Q	500	600	700	800	900	/
0	55,9192	111,838	167,757	223,677	279,596	335,515	391,435	447,354	503,273	60
1	55,9434	111,886	167,830	223,773	279,717	335,660	391,603	447,547	503,490	59
2	55,9675	111,935	167,902	223,870	279,837	335,805	391,772	447,740	503,707	58
3	55,9916	111,983	167,974	223,966	279,958	335,949	391,941	447,932	503,924	57
4	56,0157	112,031	168,047	224,062	280,078	336,094	392,110	448,125	504,141	56
5	56,0398	112,079	168,119	224,159	280,199	336,238	392,278	448,318	504,358	55
6	56,0639	112,127	168,191	224,255	280,319	336,383	392,447	448,511	504,575	54
. 7	56,0879	112,1,76	168,264	224,352	280,439	336,527	392,615	448,703	504,791	53
8	56,1120	112,224	168,336	224,448	280,560	336,672	392,784	448,896	505,008	52
9	56,1361	112,272	168,408	224,544	280,680	336,816	392,953	449,089	505,225	51
10	56,1602	112,320	168,480	224,640	280,801	336,961	393,121	449,281	505,441	50
11	56,1842	112,368	168,552	224,737	280,921	337,105	393,289	449,474	505,658	49
12	56,2083	112,416	168,625	224,833	281,041	337,250	393,458	449,666	505,875	48
13	56,2323	112,464	168,697	224,929	281,162	337,394	393,626	449,859	506,091	47
14	56,2564	112,512	168,769	225,025	281,282	337,538	393,795	450,051	506,308	46
15	56,2804	112,561	168,841	225,122	281,402	337,683	393,963	450,243	506,524	45
16	56,3045	112,609	168,913	225,218	281,522	337,827	394,131	450,436	506,740	44
17	56,3285	112,657	168,985	225,314	281,642	337,971	394,300	450,628	506,957	43
18	56,3526	112,705	169,057	225,410	481,763	338,115	394,468	450,820	507,173	42
19	56,3766	112,753	169,129	225,506	281,883	328,259	394,636	451,013	507,389	41
20	56,4006	112,801	169,202	225,602	282,003	328,403	394,804	451,205	507,605	40
21	56,4246	112,849	169,274	225,698	282,123	338,548	394,972	451,397	507,822	39
22	56,4486	112,897	169,346	225,794	282,243	338,692	395,140	451,589	508,038	38
23	56,4726	112,945	169,418	225,890	282,363	338,836	395,308	451,781	508,254	37
24	56,4967	112,993	169,490	225,986	282,483	338,980	395,476	451,973	508,470	36
25	56,5206	113,041	169,562	226,082	282,603	339,124	395,644	452,165	508,686	35
26	56,5446	113,089	169,634	226,178	282,723	339,268	395,812	452,357	508,902	34 -
27	56,5686	113,137	169,706	226,274	282,843	339,412	395,980	452,549	509,118'	33
28	56,5926	113,185	169,778	226,370	282,963	339,556	396,148	452,741	509,334 •	32
29	56,6166	113,233	169,850	226,466	283,083	339,699	396,316	452,933	509,549	31
30	56,6406	113,281	169,921	226,562	283,203	339,843	396,484	453,124	509,765	30
/	100	200 300		400	500	600	700	800	900	/
d	24	48 72		96	120	144	168	192	216	d

UM	00	10	20	30	40	50	60	70	80	90
100	56	62	68	73	79	84	90	96	101	107
200	113	118	124	129	135	141	146	152	158	163
300	169	174	180	186	191	197	203	208	214	219
400	225	231	236	242	248	253	259	265	270	276
500	281	287	293	298	304	310	315	321	326	332
600	338	343	349	355	360	366	371	377	383	388
700	394	400	405	411	416	422	428	433	439	445
800	450	456	462	467	473	478	484	490	495	501
900	507	512	518	523	529	535	540	546	552	557

;d	24	48	72	96	120	144	168	192	216
6	2	5	7	10	12	14	17	19	22
7	3	6	8	11	14	17	20	22	25
8	3	6	10	13	16	19	22	26	29
9	4	7	11	14	18	22	25	29	32
10	4	8	12	16	20	24	28	32	36
20	8	16	24	32	40	48	56	64	72
30	12	24	36	48	60	72	84	96	108
40	16	32	48	64	80	96	112	128	144
50	20	40	60	80	100	120	140	160	180

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1	100	200	300	400	500	600	700	800	900	t
30	82,4126	164,825	247,237	329,650	412,063	494,475	576,888	659,301	741,713	30
31	82,3961	164,792	247,188	329,584	411,980	494,376	576,773	659,169	741,565	29
32	82,3796	164,759	247,139	329,518	411,898	494,278	576,657	659,037	741,416	28
33	82,3631	164,726	247,089	329,452	411,815	494,179	576,542	658,905	741,268	27
34	82,3466	164,693	247,040	329,386	411,733	494,080	576,426	658,773	741,120	26
35	82,3301	164,660	246,990	329,320	411,650	493,981	576,311	658,641	740*971	25
36	82,3136	164,627	246,941	329,254	411,568	493,881	576,195	658,509	740,822	24
37	82,2971	164,594	246,891	329,188	411,485	493,782	576,079	658,377	740,674	23
38	82,2805	164,561	246,841	329,122	411,403	493,683	575,964	658,244	740,525	22
39	82,2640	164,528	246,792	329,056	411,320	493,584	575,848	658,112	740,376	21
40	82,2475	164,495	246,742	328,990	411,237	493,485	575,732	657,980	740,227	20
41	82,2309	164,462	246,692	328,923	411,154	493,385	575,616	657,847	740,078	19
42	82,2144	164,428	246,643	328,857	411,072	493,286	575,500	657,715	739,929	18
43	82,1978	164,395	246,593	328,791	410,989	493,187	575,385	657,582	739,780	17
44	82,1812	164,362	246,543	328,725	410,906	493,087	575,269	657,450	739,631	16
45	82,1647	164,329	246,494	328,658	410,823	492,988	575,152	657,317	739,482	15
46	82,1481	164,296	246,444	328,592	410,740	492,888	575,036	657,184	739,333	14
47	82,1315	164,263	246,394	328,526	410,657	492,789	574,920	657,052	739,183	13
48	82,1149	164,229	246,344	328,459	410,574	492,689	574,804	656,919	739,034	12
49	82,0983	164,196	246,295	328,393	410,491	492,590	574,688	656,786	738,884	11
50	82,0817	164,163	246,245	328,326	410,408	492,490	574,572	656,653	738,735	10
51	82,0650	164,130	246,195	328,260	410,325	492,390	574,455	656,520	738,585	9
52	82,0484	164,097	246,145	328,193	410,242	492,290	574,339	656,387	738,436	8
53	82,0318	164,063	246,095	328,127	410,159	492,191	574,222	656,254	738,286	7
54	82,0152	164,030	246,045	328,060	410,076	492,091	574,106	656,121	738,136	6
' 55	81,9985	163,997	245,995	327,994	409,992	491,991	573,989	655,988	737,986	5
56	81,9819	163,963	245,945	327,927	409,909	491,891	573,873	655,855	737,837	4
57	81,9652	163,930	245,895	327,861	409,826	491,791	573,756	655,721	737,687	3
58	81,9485	163,897	245,845	327,794	409,742	491,691	573,640	655,588	737,537	2
59	81,9318	163,863	245,795	327,727	409.659	491.591	573.523	655,455	737,387	1
60	81,9152	163,830	245,745	327,660	409.576	491,491	573,406	655,321	737,236	0
/	100	200	300	400	500	600	700	800	900	/
				i						
d	17	33	50	66	83	99	116	133	149	d

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235°—

им	00	10	20	30	40	50	60	70	80	90	"Id	17	33	50	66	83	99	116	133	149
100	82	90	99	107	115	123	131	140	148	156	6	2	3	5	7	8	10	12	13	15
200	164	173	181	189	197	205	214	222	230	238	7	2	4	6	8	10	12	14	15	17
300	246	255	263	271	279	288	296	304	312	320	8	2	4	7	9	11	13	15	18	20
400	329	337	345	353	362	370	378	386	394	403	9	2	5	7	10	12	15	17	20	22
500	411	419	427	435	444	452	460	468	477	485	10	3	6	8	11	14	17	19	22	25
600	493	501	509	518	526	534	542	551	559	567	20	6	11	17	22	28	33	39	44	50
700	575	583	592	600	608	616	624	633	641	649	30	8	17	25	33	41	50	58	66	75
800	657	666	674	682	690	698	707	715	723	731	40	11	22	33	44	55	66	77	88	100
900	739	748	756	764	772	781	789	797	805	813	50	14	28	41	55	69	83	97	111	124

'	100	200	300	400	500	600	700	800	900	/
30	56,6406	113,281	169,921	226,562	283,203	339,843	396,484	453,125	509,765	30
31	56,6645	113,329	169,993	226,658	283,323	339,987	396,652	453,316	509,981	29
32	56,6885	113,377	170,065	226,754	283,442	340,131	396,819	453,508	510,197	28
33	56,7125	113,425	170,137	226,850	283,562	340,275	396,987	453,700	510,412	27
34	56,7364	113,473	170,209	226,945	283,682	340,418	397,155	453,891	510,628	26
35	56,7604	113,520	170,281	227,041	283,802	340,562	397,323	454,083	510,843	25
36	56,7843	113,568	170,353	227,137	283,921	340,706	397,490	454,275	511,059	24
37	56,8083	113,616	170,425	227,233	284,041	340,849	397,658	454,466	511,274	23
38	56,8322	113,664	170,496	227,329	284,161	340,993	397,825	454,658	511,490	22
39	56,8561	113,712	170,568	227,424	284,280	341,137	397,993	454,849	511,705	21
40	56,8801	113,760	170,640	227,520	284,400	341,280	398,160	455,040	511,921	20
41	56,9040	113,808	170,712	227,616	284,520	341,424	398,328	455,232	512,136	19
42	56,9279	113,855	170,783	227,711	284,639	341,567	398,495	455,423	512,351	18
43	56,9518	113,903	170,855	227,807	284,759	341,711	398,663	455,614	512,566	17
44	56,9757	113,951	170,927	227,903	284,878	341,854	398,830	455,806	512,781	16
45	56,9996	113,999	170,999	227,998	284,996	341,998	398,997	455,997	512,997	15
46	57,0235	114,047	171,070	228,094	285,117	342,141	399,165	456,188	513,212	14
47	57,0474	114,095	171,142	228,189	285,237	342,284	399,332	456,379	513,427	13
48	57,0713	114,142	171,214	228,285	285,356	342,428	399,499	456,570	513,642	12
49	57,0952	114,190	171,285	228,381	285,476	342,571	399,666	456,761	513,857	11
50	57,1191	114,238	171,357	228,476	285,595	342,714	399,833	456,952	514,072	10
51	57,1429	114,286	171,429	228,572	285,715	342,858	400,000	457,143	514,286	9
52	57,1668	114,333	171,500	228,667	285,834	343,001	400,168	457,334	514,501	8
53	57,1907	114,381	171,572	228,762	285,953	343,144	400,335	457,525	514,716	7
54	57,2145	114,429	171,643	228,858	286,072	343,287	400,502	457,716	514,931	6
55	57 2384	114,476	171,715	228,953	286,192	343,430	400,669	457,907	515,145	5
56	57,2622	114,524	171,786	229,049	286,311	343,573	400,836	458,098	515,360	4
57	57,2861	114,572	171,858	229,144	286,430	343,716	401,002	458,289	515,575	3
58	57,3099	114,620	171,929	229,239	286,549	343,859	401,169	458,479	515,789	2
59	57,3338	114,667	172,001	229,335	286,669	344,002	401,336	458,670	516,004	1
60	57,3576	114,715	172,072	229,430	286,788	344,145	401,503	458,861	516,218	0

f	100	200	300	400	500	600	700	800	900	*f*
d	24	48	72	96	119	143	167	191	215	*d*

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Mil	00	10	20	30	40	50	60	70	80	90
100	57	63	68	74	80	85	91	97	103	108
200	114	120	125	131	137	142	148	154	160	165
300	171	177	182	188	194	199	205	211	217	222
400	228	234	239	245	251	256	262	268	274	279
500	285	291	296	302	308	313	319	325	331	336
600	342	348	353	359	365	370	376	382	388	393
700	399	405	410	416	422	427	433	439	445	450
800	456	462	467	473	479	484	490	496	502	507
900	513	519	524	530	536	541	547	553	559	564

Id	24	48	72	96	119	143	167	191	215
6	2	5	7	10	12	14	17	19	21
7	3	6	8	11	14	17	20	22	25
8	3	6	10	13	16	19	22	25	29
9	4	7	11	14	18	21	25	29	32
10	4	8	12	16	20	24	28	32	36
20	8	16	24	32	40	48	56	64	72
30	12	24	36	48	60	72	84	96	107
40	16	32	48	64	80	96	111	127	143
50	20	40	60	80	100	119	139	159	179

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!	100	200	300	400	500	600	700	800	900	/
0	81,9152	163,830	245,745	327,660	409,576	491,491	573,406	655,321	737,236	60
1	81,8985	163,797	245,695	327,594	409,492	491,391	573,289	655,188	737,086	59
2	81,8818	163,763	245,645	327,527	409,409	491,291	573,172	655,054	736,936	58
3	81,8651	163,730	245,595	327,46.0	409,325	491,190	573,055	654,921	736,786	57
4	81,8484	163,696	245,545	327,393	409,242	491,090	572,938	654,787	736,635	56
5	81,8317	163,663	245,495	327,326	409,158	490,990	572,821	654,653	736,485	55
6	81,8149	163,630	245,445	327,259	409,074	490,889	572,704	654,519	736,334	54
7	81,7982	163,596	245,394	327,193	408,991	490,789	572,587	654,386	736,184	53
8	81,7815	163,563	245,344	327,126	408,907	490,689	572,470	654,252	736,033	52
9	81,7647	163,529	245,294	327,059	408,823	490,588	572,353	654,118	735,882	51
10	81,7480	163,496	245,244	326,992	408,740	490,488	572,236	653,984	735,732	50
11	81,7312	163,462	245,193	326,925	408,656	490,387	572,118	653,850	735,581	49
12	81,7145	163,429	245,143	326,858	408,572	490,287	572,001	653,716	735,430	48
13	81,6977	163,395	245,093	326,790	408,488	490,186	571,884	653,581	735,279	47
14	81,6809	163,361	245,042	326,723	408,404	490,085	571,766	653,447	735,128	46
15	81,6641	163,328	244,992	326,656	408,320	489,985	571,649	653,313	734,977	45
16	81,6473	163,294	244,942	326,589	408,236	489,884	571,531	653,179	734,826	44
17	81,6305	163,261	244,891	326,522	408,152	489,783	571,414	653,044	734,675	43
18	81,6137	163,227	244,841	326,455	408,068	489,682	571,296	652,910	734,523	42
19	81,5969	163,193	244,790	326,387	407,984	489,581	571,178	652,775	734,372	41
20	81,5801	163,160	244,740	326,320	407,900	489,480	571,061	652,641	734,221	40
21	81,5633	163,126	244,690	326,253	407,816	489,379	570,943	652,506	734,069	39
22	81,5464	163,093	244,639	326,185	407,732	489,278	570,825	652,371	733,918	38
23	81,5296	163,059	244,588	326,118	407,648	489,177	570,707	652,237	733,766	37
24	81,5127	163,025	244,538	326,051	407,564	489,076	570,589	652,102	733,615	36
25	81,4959	162,991	244,487	325,983	407,479	488,975	570,471	651,967	733,463	35
26	81,4790	162,958	244,437	325,916	407,395	488,874	570,353	651,832	733,311	34
27	81,4622	162,924	244,386	325,848	407,311	488,773	570,235	651,697	733,159	33
28	81,4453	162,890	244,336	325,781	407,226	488,672	570,117	651,562	733,008	32
29	81,4284	162,856	244,285	325,713	407,142	488,570	569,999	651,427	732,856	31
30	81,4115	162,823	244,234	325,646	407,057	488,469	569,880	651,292	732,704	30

/	100	200	300	400	500	600	700	800	900	$
d	17	34	50	67 .	84	1 101	118	134	151	*d*

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мм	00	10	20	30	40	50	60	70	80	90	17	34	50	67	84	101	118	134	151
100	82	90	98	106	114	122	131	139	147	155	6	2	3	5	7	8	10	12	13	15
200	163	171	180	188	196	204	212	220	229	237	7-	2	4	6	8	10	12	14	15	18
300	245	253	261	269	278	286	294	302	310	318	8	2	4	7	9	11	13	16	18	20
400	327	335	343	351	359	367	376	383	392	400	9	3	5	8	10	13	15	18	20	23
500	408	416	425	433	441	449	457	465	474	482	10	3	6	8	11	14	17	20	22	25
600	490	498	506	514	523	531	539	547	555	563	20	6	11	17	22	28	34	39	45	50
700	572	580	588	596	604	612	621	629	637	645	30	8	17	25	34	42	50	59	67	75
800	653	661	670	678	686	694	702	710	719	727	40	11	22	34	45	56	67	78	89	101
900	735	743	751	759	768	776	784	792	800	808	50	14	28	42	56	70	84	98	112	126

	100	200	300	400	500	600	700	800	900	'
0	57,3576	114,715	172,073	229,430	286,788	344,145	401,503	458,861	516,218	60
1	57,3814	114,763	172,144	229,525	286,907	344,288	401,670	459,051	516,433	59
2	57,4052	114,810	172,215	229,621	287,026	344,431	401,837	459,242	516,647	58
3	57,4291	114,858	172,287	229,716	287,145	344,574	402,003	459,432	416,862	57
4	57,4529	114,905	172,358	229,811	287,264	344,717	402,170	459,623	517,076	56
5	57,4767	114,953	172,430	229,906	287,383	344,860	402,337	459,813	517,290	55
6	57,5005	115,001	172,501	230,002	287,502	345,003	402,503	460,004	517,504	54
7	57,5243	115,048	172,573	230,097	287,621	345,145	402,670	460,194	517,718	53
8	57,5481	115,096	172,6^4	230,192	287,740	345,288	402,836	460,384	517,933	52
g	57,5719	115,143	172,715	230,287	287,859	345,431	403,003	460,575	518,147	51
10	57,5956	115,191	172,787	230,382	287,978	345,574	403,169	460,765	518,361	50
il	57,6194	115,239	172,858	230,477	288,097	345,716	403,336	460,955	518,575	49
12	67,6432	115,286	172,929	230,572	288,216	345,859	403,502	461,145	518,789	48
13	57,6670	115,334	173,001	230,668	288,335	346,002	403,669	461,336	519,003	47
14	57,6907	115,381	173,072	230,763	288,453	346,144	403,835	461,526	519,216	46
15	57,7145	115,429	173,143	230,858	288,572	346,287	404,001	461,71«	519,430	45
16	57,7382	115,476	173,214	230,953	288,691	346,429	404,167	461,906	519,644	44
17	57,7620	115,524	173,286	231,048	288,810	346,572	404,334	462,096	519,858	43
18	57,7857	115,571	173,357	231,143	288,928	346,714	404,500	462,286	520,071	42
19	57,8095	115,619	173,428	231,238	289,047	346,857	404,666	462,476	520,285	41
20	57,8332	115,666	173,499	231,332	289,166	346,999	404,832	462,665	520,499	40
21	57,8569	115,714	173,570	231,427	289,284	347,141	404,998	462,855	520,712	39
22	57,8806	115,761	173,642	231,522	289,403	347,284	405,164	463,045	520,926	38
23	57,9044	115,808	173,713	231,617	289,522	347,426	405,330	463,235	521,139	37
24	57,9281	115,856	173,784	231,712	289,640	347,568	405,496	463,424	521,353	36
25	57,9518	115,903	173,855	231,807	289,759	347,710	405,662	463,614	521,566	35
26	57,9755	115,951	173,926	231,902	289,877	347,853	405,828	463,804	521,779	34
27	57,9992	115,998	173,997	231,996	289,996	347,995	405,994	463,993	521,993	33
28	58,0229	116,045	174,068	232,091	290,114	348,137	406,160	464,183	522,206	32
29	58,0466	116,093	174,139	232,186	290,233	348,279	406,326	464,372	522,419	31
30	58,0702	116,140	174,210	232,281	290,351	348,421	406,492	464,562	522,632	30

/	100	200	300	400	500	600	700	800	900	/
d	24	48	71	95	119	142	166	190	214	*d*

—/25° +305“ • *Ax* 54° - cos 54°+ 234°—

мм	00	10	20	30	40	50	60	70	80	90
100	58	63	69	75	81	87	92	98	104	110
?,00	115	121	127	133	139	144	150	156	162	167
300	173	179	185	190	196	202	208	214	219	225
400	231	237	242	248	254	260	265	271	277	283
500	289	294	300	306	312	317	323	329	335	341
600	346	352	358	364	369	375	381	387	392	398
700	404	410	416	421	427	433	439	444	450	456
800	46?,	467	473	479	485	491	496	502	508	514
900	519	525	531	537	543	548	554	560	566	571

'/d	24	48	71	95	119	142	166	190	214
6	2	5	7	10	12	14	17	19	21
7	3	6	8	11	14	17	19	22	2b
8	3	6	10	13	16	19	22	2b	29
9	4	7	11	14	18	21	25	29	32
10	4	8	12	16	20	24	28	32	36
20	8	16	24	32	40	48	55	63	71
30	12	24	36	48	59	71	83	9b	107
40	16	32	48	63	79	9b	111	127	143
50	20	40	59	79	99	119	139	158	178

/	100	200	300	∞	500	600	700	800	900	»
30	81,4115	162,823	244,234	325,646	407,057	488,469	569,880	651,292	732,704	30
31	81,3946	162,789	244,184	325,578	406,973	488,368	569,762	651,157	732,552	29
32	81,3777	162,755	244,133	325,511	406,888	488,266	569,644	651,022	732,399	28
33	81,3608	162,721	244,082	325,443	406,804	488,165	569,526	650,886	732,247	27
34	81,3439	162,687	244,031	325,375	406,719	488,063	569,407	650,751	732,095	26
35	81,3270	162,654	243,981	325,308	406,635	487,962	569,289	650,616	731,943	25
36	81,3100	162,620	243,930	325,240	406,550	487,860	569,170	650,480	731,790	24
37	81,2931	162,586	243,879	325,172	406,465	487,758	569,052	650,345	731,638	23
38	81,2762	162,552	243,828	325,104	406,381	487,657	568,933	650,209	731,485	22
39	81,2952	162,518	243,777	325,037	406,296	487,555	568,814	650,074	731,333	21
40	81,2422	162,484,	243,726	324,969	406,211	487,453	568,696	649,938	731,180	20
41	81,2253	162,450	243,676	324,901	406,126	487,352	568,577	649,802	731,028	19
42	81,2083	162,416	243,625	324,833	406,041	487,250	568,458	649,666	730,875	18
43	81,1913	162,382	243,574	324,765	405,956	487,148	568,339	649,531	730,722	17
44	81,1744	162,348	243,523	324,697	405,872	487,046	568,220	649,395	730,569	16
45	81,1574	162,314	243,472	324,629	405,787	486,944	568,101	649,259	730,416	15
46	81,1404	162,280	243,421	324,561	405,702	486,842	567,982	649,123	730,263	14
47	81,1234	162,246	243,370	324,493	405,617	486,740	567,863	648,987	730,110	13
48	81,1063	162,212	243,319	324,425	405,532	486,638	567,744	648,851	729,957	12
49	81,0893	162,178	243,268	324,357	405,446	486,536	567,625	648,715	729,804	11
50	81,0723	162,144	243,217	324,289	405,361	486,434	567,506	648,578	729,651	10
51	81.Q553	162,110	243,166	324,221	405,276	486,331	567,387	648,442	729,497	9
52	81,0382	162,076	243,114	324,153	405,191	486,229	567,267	648,306	729,344	8
53	81,0212	162,042	243,063	324,084	405,106	486,127	567,148	648,169	729,191	7
54	81,0041	162,008	243,012	324,016	405,020	486,025	567,029	648,033	729,037	6
55	80,9871	161,974	242,961	323,948	404,935	485,922	566,909	647,896	728,884	5
56	80,8700	161,940	242,910	323,880	404,850	485,820	566,790	647,760	728,730	4
57	80,9529	161,906	242,858	323,811	404,764	485,717	566,670	647,623.	728,576	3
58	80,9358	161,871	242,807	323,743	404,679	485,615	566,551	647,487	728,423	2
59	80,9188	161,837	242,756	323,675	404,594	485,512	566,431	647,350	728,269	1
60	80,9017	161,803	242,705	323,606	404,508	485,410	566,312	647,213	728,115	0

Í	100	200	300	400	500	600	700	800	900	■*
i	17	34	51	68	85	102	119	136	153	*d*

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+125°
-305°

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t
54°+
234°—

1Ш	00	10	20	30	40	50	60	70	80	90
100	81	89	97	106	114	122	130	138	146	154
200	162	170	179	187	195	203	211	219	227	235
300	243	252	260	268	276	284	292	300	308	317
400	325	333	341	349	357	365	373	381	390	398
500	406	414	422	430	438	446	454	463	471	479
600	487	495	503	511	519	528	536	544	552	560
700	568	576	584	592	601	609	617	625	633	641
800	649	657	665	674	682	690	698	706	714	722
900	730	739	747	755	763	771	779	787	795	803

Id	17	34	51	68	85	102	119	136	153
6	2	3	5	7	8	10	12	14	15
7	2	4	6	8	10	12	14	16	18
8	2	5	7	9	11	14	16	18	20
9	3	5	8	10	13	15	18	20	23
10	3	6	8	11	14	17	20	23	25
20	6	11	17	23	28	34	40	45	51
30	8	17	25	34	42	51	59	68	76
40	11	23	34	45	57	68	79	91	102
50	14	29	42	57	71	85	99	113	127

»	100	200	300	400	500	600	700	800	900	/
30	58,0703	116,140	174,210	232,281	290,351	348,421	406,492	464,562	522,632	30
31	58,0939	116,188	174,282	232,375	290,469	348,563	406,657	464,751	522,845	29
32	58,1176	116,235	174,353	232,470	290,588	348,705	406,823	464,941	523,058	28
33	58,1413	Jl 6,282	174,424	232,565	290,706	348,847	406,989	465,130	523,271	27
34	58,1649	116,330	174,495	232,660	290,824	348,989	407,154	465,319	523,484	26
35	58,1886	116,377	174,566	232,754	290,943	349,131	407,320	465,509	523,697	25
36	58,2122	116,424	174,636	232,849	291,061	349,273	407,486	465,698	523,910	24
37	58,2359	116,471	174,707	232,943	291,179	349,415	407,651	465,887	524,123	23
38	58,2595	116,519	174,778	233,038	291,298	349,557	407,817	466,076	524,336	22
39	58,2832	116,566	174,849	233,132	291,416	349,699	407,982	466,265	524,549	21
40	58,3068	116,613	174,920	233,227	291,534	349,841	408,148	466,454	524,761	20
41	58,3304	116,661	174,991	233,322	291,652	349,983	408,313	466,644	524,974	19
42	58,3541	116,708	175,062	233,416	291,770	350,124	408,478	466,833	525,187	18
43	58,3777	116,755	175,133	233,511	291,888	350,266	408,644	467,021	525,399	17
44	58,4013	116,802	175,204	233,605	292,006	350,408	408,809	467,210	525,612	16
45	58,4249	116,850	175,274	233,699	292,124	350,549	408,974	467,399	525,824	15
46	58,4485	116,897	175,345	233,794	292,242"	350,691	409,140	467,588	526,037	14
47	58,4721	116,944	175,416	233,888	292,360	350,833	409,305	467,777	526,249	13
48	58,4957	116,991	175,487	233,983	292,478	350,974	409,470	467,966	526,461	12
49	58,5193	117,038	175,558	234,077	292,596	351,116	409,635	468,154	526,674	11
50	58,5429	117,085	175,628	234,171	292,714	351,257	409,800	468,343	526,886	10
51	58,5665	117,133	175,699	234,266	292,832	351,399	409,965	468,532	527,098	9
52	58,5900	117,180	175,770	234,360	292,950	351.540	410,130	468,720	527,310	8
53	58,6136	117,227	175,841	234.454	293,068	351,682	410,295	468,909	527,523	7
54	58,6372	117,274	175,911	234,548	293,186	351,823	410,460	469,097	527,735	6
55	58,6607	117,321	175,982	234,643	293,304	351,964	410,625	469,286	527,947	5
56	58,6843	117,368	176,053	234,737	293,421	352,106	410,790	469,474	528,159	4
57	58,7079	117,415	176,123	234,831	293,539	352,247	410,955	469,663	528,371	3
58	58,7314	117,462	176,194	234,925	293,657	352,388	411,120	469,851	528,583	2
59	58,7549	117,510	176,265	235,020	293,774	352,529	411,284	470,039	528,794	1
60	58,7785	117,557	176,335	235,114	293,892	352,671	411,449	470,228	529,006	0
/	100	200	300	400	500	600	700	800	900	/
i	24	47	71	94	118	142	165	189	212	*d*

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+305°

Ax

cos

61°+
234°—

UM	00	10	20	30	40	50	60	70	80	90
100	58	64	70	76	82	88	93	99	105	111
200	117	123	129	134	140	146	152	158	164	169
300	175	181	187	193	.199	204	210	216	222	228
400	234	240	245	251	257	263	269	275	280	286
500	292	298	304	310	315	321	327	333	339	345
600	351	356	362	368	374	380	386	391	397	403
700	409	415	421	427	432	438	444	450	456	462
800	467	473	479	485	491	497	502	508	514	520
900	526	532	538	543	549	555	561	567	573	578

"*Id*	24	47	71	94	118	142	165	189	212
6	2	5	7	9	12	14	17	19	21
7	3	6	8	11	14	17	19	22	25
8	3	6	9	13	16	19	22	25	28
9	4	7	11	14	18	21	25	28	32
10	4	8	12	16	20	24	28	31	35
20	8	16	24	31	39	47	55	63	71
30	12	24	35	47	59	71	83	94	106
40	16	31	47	63	79	94	110	126	142
50	20	39	59	79	98	118	138	157	177

—21S° +36° *i* cos ,36° - *Ax* 323'» 143' *0* I

$	100	200	300	400	500	600	700	800	SCO	!
0	80,9017	161,803	242,705	323,600	404,508	485,410	566,311	647,213	728,115	60
1	80,8846	161,769	242,653	323,538	404,423	485,307	566,192	647,076	727,961	59
2	80,8674	161,735	242,602	323,470	404,337	485,205	566,072	646,940	727,807	58
3	80,8503	161,700	242,551	323,401	404,251	485,102	565,952	646,803	727,653	57
4	80,8332	161,666	242,499	323,333	404,166	484,999	565,832	646,666	727,499	56
5	80,8161	161,632	242,448	323,264	404,080	484,896	565,712	646,529	727,345	55
6	80,7989	161,598	2'i2,397	323,196	403,995	484,794	565,593	646,392	727,191	54
7	80,7818	161,563	242,345	323,127	403,909	484,691	565,473	646,254	727,036	53
8	80,7647	161,529	242,294	323,058	403,823	484,588	565,352	646,117	726,882	52
9	80,7475	161,495	242,242	322,990	403,737	484,485	565,232	645,980	726,727	51
10	80,7303	161,460	242,191	322,921	403,651	484,382	565,112	645,843	726,573	50
11	80,7132	161,426	242,139	322,852	403,566	484,279	564,992	645,705	726,418	49
12	80,6960	161,392	242,088	322,784	403,480	484,176	564,872	645,568	726,264	48
13	80,6788	161,357	242,036	322,715	403,394	484,073	564,752	645,430	726,109	47
14	80,6616	161,323	241,985	322,646	403,308	483,970	564,631	645,293	725,955	46
15	80,6444	161,289	241,933	322,577	403,222	483.866	564,511	645,155	725,800	45
1«	80,6272	161,554	241,881	322,509	403,136	483,763	564,390	645,018	725,645	44
17	80,6100	161,220	241,830	322,440	403,050	483,660	564,270	644,880	725,490	43
18	80,5928	161,185	241,778	322,371	402,964	483,557	564,149	644,742	725,335	42
19	80,5756	161,151	241,726	322,302	402,878	483,453	564,029	644,604	725,180	41
20	80,5583	161,116	241,675	322,233	402,791	483,350	563.908	(>44,467	725,025	40
21	80,5411	161,082	241,623	322,164	402,705	483,246	563,788	644,329	724,870	39
22	80,5239	161,047	241,571	322,095	402,619	483,143	563,667	644,191	724,715	38
23	80,5066	161,013	241,520	322,026	402,533	483,039	563,546	644,053	724,559	37
24	80,4893	160,978	241,468	321,957	402,447	482,936	563,425	643,915	724,404	36
25	80,4721	160,944	241,416	321,888	402,360	482,832	563,304	643,777	724,249	35
26	80,4548	160,909	241,364	321,819	402,274	482,729	563,184	643,638	724,093	34
27	80,4375	160,875	241,312	321,750	402,187	482,625	563,063	643,500	723,938	33
28	80,4202	160,840	241,260	321,681	402,101	482,521	562,942	643,362	723,782	32
29	80,4029	160,806	241,209	321,612	402,015	482,418	562,821	643,224	723,627	31
30	80,3850	160,771	241,157	321,542	401,928	482,314	562,699	643,085	723,471	30
'	100	200	300	400	500	600	700	800	900	-
d	17	34	52	69	86	103	120	138	155	*d*

t + 126° —306° Ay 53° sin 53'4- 233°—

мм																								
00	10			20	30	40	50			60	70	80	90											
100		81	89	97	105	113	121			129	137	145	153											
200	161	169	1	177	185 ■	194	202 :			210	218 :	226	234											
300	242	250	258	266 !		274	282 !			290	298 :	306	315											
400	323	331	339	347 :		355	363 :			371	379	387	395											
500	403	411	419	427 <		435	444 ■			452	460	468	476											
600	484	492	500	508 1		516	524			532	540	548	556											
700	^65	573	581	589 !		Í97	605 1			513	621	629	637											
800	645	653	661	669 1		377	685 I	B94	702 [1]			710	718											
900	726	734	742	750		758	766 [1]			774	782 '		790	798										

'Id	17	34	52	69	86	103	120	138	155
6	2	3	5	7	9	10	12	14	15
7	2	4	6	8	10	12	14	16	18
8	2	5	7	9	11	14	16	18	21
9	3	5	8	10	13	15	18	21	23
10	3	6	9	11	14	17	20	23	26
20	6	11	17	23	29	34	40	46	52
30	9	17	36	34	43	52	60	69	77
40	11	23	34	46	57	69	80	92	103
50	14	29	43	57	72	86	100	115	129

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/	100	200	300	400	500	600	700	800	900	t
0	58,7785	117,557	176,335	235,114	293,892	352,671	411,449	470,228	529,006	60
1	58,8020	117,604	176,406	235,208	294,010	352,812	411,614	470,416	529,218	59
2	58,8255	117,651	176,476	235,302	294,128	352,953	411,779	470,604	529,430	58
3	58,8491	117,698	176,547	235,396	294,245	353,094	411,943	470,792	529,642	57
4	58,8726	117,745	176,617	235,490	294,363	353,235	412,108	470,981	529,853	56
5	58,8961	117,792	176,688	235,584	294,480	353,376	412,272	471,169	530,065	55
6	58,9196	117,839	176,759	235,678	294,598	353,517	412,437	471,357	530,276	54
7	58,9431	117,886	176,829	235,772	294,715	353,658	412,602	471,545	530,488	53
8	58,9666	117,933	176,899	235,866	294,833	353,799	412(766	471,733	530,699	52
9	58,9901	117,980	176,970	235,960	294,950	353,940	412,930	471,921	530,911	51
10	59,0136	118,027	177,040	236,054	295,068	354,081	413,095	472,108	531,122	50
11	59,0370	*i* 18,074	177,111	236,148	295,185	354,222	413,259	472,296	531,333	49
12	59,0605	118,121	177,181	236,242	295,302	354,363	413,424	472,484	531,545	48
13	59,0840	118,168	177,252	236,336	295 420	354,504	413,588	472,672	531,756	47
14	59,1075	118,215	177,322	.236,430	295,537	354,645	413,752	472,860	531,967	46
15	59,1309	118,262	177,392	236,523	295,654	354,785	413,916	473,047	532,178	45
16	59,1544	118,308	177,463	236,617	295,772	354,926	414,081	473,235	532,389	44
17	59,1778	118,355	177,533	236,711	295,889	355,067	414,245	473,423	532,600	43
18	59,2013	118,402	177,604	236,805	296,006	355,207	414,409	473,610	532,811	42
19	59,2247	118,449	177,674	236,899	296,123	355,348	414,573	473,798	533,022	41
20	59,2481	118,496	177,744	236,992	296,241	355,489	414,737	473,985	533,233	40
21	59,2716	118,543	177,814	237,086	296,358	355,629	414,901	474,173	533,444	39
22	59,2950	118,590	177,885	237,180	296,475	355,770	415,065	474,360	533,655	38
23	59,3184	118,637	177,955	237,273	296,592	355,910	415,229	474,547	533,866	37
24	59,3418	118,683	178,025	237,367	296,709	356,051	415,393	474,735	534,077	36
25	59,3653	118,730	178,095	237,461	296,826	356,191	415,557	474,922	534,287	35
26	59,3887	118,777	178,166	237,554	296,943	356,332	415,720	475,109	534,498	34
27	59,4121	118,824	178,236	237,648	297,060	356,472	415,884	475,296	534,708	33
28	59,4355	118,871	178,306	237,742	297,177	356,613	416,048	475,484	534,919	32
29	59,4588	118,917	178,376	237,835	297,294	356,753	416,212	475,671	535,130	31
30	59,4822	118,964	178,446	237,929	29» ,411	356,893	416,376	475,858	535,340	30

t	100	200	300	400	5Ö0	600	. 700	800	900	t
d	23	47	70	94	117	141	164	188	211	d

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MM	00	10	20	30	40	50	60	70	80	90
100	59	65	71	77	83	89	95	101	106	112
200	118	124	130	136	142	148	154	160	166	171
300	177	183	189	195	201	207	213	219	225	231
400	237	242	248	254	2C0	266	272	278	284	290
500	296	302	307	313	319	325	331	337	343	349
600	355	361	367	373	378	384	390	396	402	408
700	414	420	426	432	438	443	449	455	461	467
800	473	479	485	491	497	503	509	514	520	526
900	532	538	544	550	556	562	568	574	579	585

'Id	23	47	70	94	117	141	164	⊗⊗	211
6	2	5	7	9	12	14	16	19	21
7	3	5	8	11	14	16	19	22	25
8	3	6	9	13	16	19	22	25	28
9	4	7	11	14	18	21	25	28	32
10	4	8	12	16	20	23	27	31	35
20	8	16	23	31	39	47	55	63	'70
30	12	23	35	47	59	70	82	94	106
40	16	31	47	63	78	94	109	125	141
50	20	39	59	78	98	117	137	156	176

r	100	200	300	400	500	600	700	800	900	r
30	80,3856	160,771	241,157	321,542	401,928	482,314	562,699	643,085	723,471	30
31	80,3683	160,736	241,105	321,473	401,841	482,210	562,578	642,947	723,315	29
32	80,3510	160,702	241,053	321,404	401,755	482,106	562,457	642,808	723,159	28
33	80,3337	160,667	241,001	321,335	401,668	482,002	562,336	642,670	723,003	27
34	80,3164	160,632	240,949	321,265	401,582	481,898	562,215	642,531	722,847	26
35	80,2990	160,598	240,897	321,196	401,495	481,794	562,093	642,392	722,691	25
36	80,2817	160,563	240,845	321,127	401,408	481,690	561,972	642,254	722,535	24
37	80,2644	160,528	240,793	321,057	401,322	481,586	561,850	642,115	722,379	23
38	80,2470	160,494	240,741	320,988	401,235	481,482	561,729	641,976	722,223	22
39	80,2296	160,459	240,689	320,918	401,148	481,378	561,607	641,837	722,067	21
40	80,2123	160,424	240,637	320,849	401,061	481,274	561,486	641,698	721,910	20
41	80,1949	160,389	240,584	320,779	400,974	481,169	561,364	641,559	721,754	19
42	80,1775	160,355	240,532	320,710	400,887	481,065	561,243	641,420	721,598	18
43	80,1601	160,320	240,480	320,640	400,800	480,961	561,121	641,281	721,441	17
44	80,1427	160,285	240,428	320,571	400,714	480,856	560,999	641,142	721,285	16
45	80,1253	160,250	240,376	320,501	400,627	480,752	560,877	641,003	721,128	15
46	80,1079	160,216	240,324	320,432	400,539	480,647	560,755	640,863	720,971	14
47	80,0905	160,181	240,271	320,362	400,452	480,543	560,634	640,724	720,815	13
48	80,0731	160,146	240,219	320,292	400,365	480,438	560,512	640,585	720,658	12
49	80,0557	160,111	240,167	320,222	400,278	480,334	560,390	640,445	720,501	11
50	80,0382	160,076	240,114	320,153	400,191	480,229	560,268	640,306	720,344	10
51	80,0208	160,041	240,062	320,083	400,104	480,125	560,145	640,166	720,187	9
52	80,0033	160,006	240,010	320,013	400,017	480,020	560,023	640,027	720,030	8
53	79,9859	159,971	239,957	319,943	399,929	479,915	559,901	639,887	719,873	7
54	79,9684	159,937	239,905	319,873	399,842	479,810	559,779	639,747	719,716	6
55	79,9510	159,902	239,853	319,804	399,755	479,706	559,657	639,608	719,559	5
56	79,9335	159,867	239,800	319,734	399,667	479,601	559,534	639,468	719,401	4
57	79,9160	159,832	239,748	319,664	399,580	479,496	559,412	639,328	719,244	3
58	79,8985	159,797	239,695	319,594	399,492	479,391	559,289	639,188	719,087	2
59	79,8810	159,762	239,643	319,524	399,405	479,286	559,167	639,048	718,929	1
60	79,8635	159,727	239,590	319,454	399,317	479,181	559,044	638,908	718,772	0
′	100	200	300	400	500	600	700	800	900	′
d	17	35	52	70	87	104	122	139	157	d

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мм	00	10	20	30	40	50	60	70	80	90	′/d	17	35	52	70	87	104	122	139	157
100	80	88	96	104	112	120	128	136	144	152	6	2	3	5	7	9	10	12	14	16
200	160	168	176	184	192	200	208	216′	224	232	7	2	4	6	8	10	12	14	16	18
300	240	248	256	264	272	280	288	296	304	312	8	2	5	7	9	12	14	16	19	21
400	321	329	337	345	353	361	369	377	385	393	9	3	5	8	10	13	16	18	21	24
500	401	409	417	425	433	441	449	458	465	473	10	3	6	9	12	15	17	20	23	26
600	481	489	497	505	513	521	529	537	545	553	20	6	12	17	23	29	35	41	46	52
700	561	569	577	585	593	601	609	617	625	633	30	9	17	26	35	44	52	61	70	78
800	641	649	657	665	673	681	689	697	705	713	40	12	23	35	46	58	70	81	93	105
900	721	729	737	745	753	761	769	777	785	793	50	15	29	44	58	73	87	102	116	131

/	100	200	300	400	500	600	700	800	900	4
30	59,4822	118,964	178,446	237,929	297,411	356,893	416,376	475,858	535,340	*30*
31	59,5056	119,011	178,517	238,022	297,528	357,034	416,539	476,045	535,551	29
32	59,5290	119,058	178,587	238,116	297,645	357,174	416,703	476,232	535,761	28
33	59,5524	119,104	178,657	238,209	297,762	357,314	416,866	476,ÍI9	535,971	27
34	59,5757	119,151	178,727	238,303	297,878	357,454	417,030	476,606	536,182	26
35	59,5991	119,198	178,797	238,396	297,995	357,594	417,194	476,793	536,392	25
36	59,6224	119,245	178,867	238,490	298,112	357,735	417,357	476,979	536,602	24
37	59,6458	119,291	178,937	238,583	298,229	357,875	417,520	477,166	536,812	23
38	59,6691	119,338	179,007	238,676	298,346	358,015	417,684	477,353	537,022	22
39	59,6925	119,385	179,077	238,770	298,462	358,155	417,847	477,540	537,232	21
40	59,7158	119,431	179,147	238,863	298,579	358,295	418,011	477,726	537,442	20
41	59,7391	119,478	179,217	238,956	298,696	358,435	418,174	477,913	537,652	19
42	59,7625	119,525	179,287	239,050	298,812	358,575	418,337	478,100	537,862	18
43	59,7858	119,571	179,357	239,143	298,929	358,715	418,500	478,286	538,072	17
44	59,8091	119,618	179,427	239,236	299,045	358,854	418,664	478,473	538,282	16
45	59,8324	119,665	179,497	239,329	299,162	358,994	418,827	478,659	538,492	15
46	59,8557	119,711	179,567	239,423	299,278	359,134	418,990	478,846	538,701	14
47	59,8790	119,758	179,637	239,516	299,395	359,274	419,153	479,032	538,911	13
48	59,9023	119,804	179,707	239,609	299,511	359,414	419,316	479,218	539,121	12
49	59,9256	119,851	179,777	239,702	299,628	359,553	419,479	479,405	539,330	11
50	59,9489	119,897	179,846	239,795	299,744	359,693	419,642	479,591	539,540	10
51	59,9722	119,944	179,916	239,888	299,861	359,833	419,805	479,777	539,749	9
52	59,9954	119,991	179,986	239,982	299,977	359,972	419,968	479,963	539,959	8
53	60,0187	120,037	180,056	240,075	300,093	360,112	420,131	480,150'	540,168	7
54	60,0420	120,084	180,126	240,168	300,210	360,252	420,294	480,336	540,378	6
55	60,0652	120,130	180,195	240,261	300,326	360,391	420,457	480,522	540,587	5
56	60,0885	120,177	180,265	240,354	300,442	360,531	420,619	480,708	540,796	4
57	60,1117	120,223	180,335	240,447	300,558	360,670	420,782	480,894	541,006	3
58	60,1350	120,270	180,405	240,540	300,675	360,810	420,945	481,080	541,215	2
59	60,1582	120,316	180,474	240,633	300,791	360,949	421,107	481,266	541,424	1
60	60,1815	120,363	180,544	240,726	300,907	361,089	421,270	481,452	541,633	0

i	100	200	300	400	500	600	700	800	900	r
d	23	46	70	93	116	139	162	186	209	d

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1III	00	10	20	30	40	50	60	70	80	90
100	60	66	72	78	84	90	96	102	108	114
200	120	126	132	138	144	150	156	162	168	174
300	179	185	191	197	203	209	215	221	227	233
400	239	245	251	257	263	269	275	281	287	293
500	299	305	311	317	323	329	335	341	347	353
600	359	365	371	377	383	389	395	401	407	413
700	419	425	431	437	443	449	455	461	467	473
800	479	485	491	497	503	509	515	521	527	533
900	538	544	550	556	562	568	574	580	586	592

'Id	23	46	70	93	116	139	162	186	209
6	2	5	7	9	12	14	16	19	21
7	3	5	8	11	14	16	19	22	24
8	3	6	9	12	16	19	22	25	28
9	3	7	10	14	17	21	24	28	31
10	4	8	12	16	19	23	27	31	35
20	8	16	23	31	39	47	54	62	70
30	12	23	35	47	58	70	81	93	105
40	16	31	47	62	78	93	109	124	140
50	19	39	58	78	97	116	136	155	175

ê	100	200	300.	400	500	600	700	800	900	/
0	79,8635	159,727	239,590	319,454	399,317	479,181	559,044	638,908	718,772	60
1	79,8460	159,692	239,538	319,384	399,230	479,076	558,922	638,768	718,614	59
2	79,8285	159,657	239,485	319,314	399,142	478,971	558,799	638,628	718,456	58
3	79,8110	159,622	239,433	319,244	399,055	478,866	558,677	638,488	718,299	57
4	79,7934	159,587	239,380	319,173	398,967	478,760	558,554	638,347	718,141	56
5	79,7759	159,551	239,327	319,103	398,879	478,655	558,431	638,207	717,983	55
6	79,7584	159,516	239,275	319,033	398,792	478,550	558,308	638,067	717,825	54
7	79,7408	159,481	239,222	318,963	398,704	478,445	558,186	637,926	717,667	53
8	79,7232	159,446	239,169	318,893	398,616	478,339	558,063	637,786	717,509	52
9	79,7057	159,411	239,117	318,822	398,528	478,234	557,940	637,645	717,351	51
10	79.088Í	159,376	239,064	318,752	398,440	478,129	557,817	637,505	717,193	50
11	79,6705	159,341	239,011	318,682	398,352	478,023	557,694	637,364	717,035	49
12	79,6530	159,306	'238,959	318,612	398,265	477,918	557,571	637,224	716,877	48
13	79,0534	159,270	233,90ü	318,541	398,177	477,812	557,447	637,083	716,718	47
14	79,6178	159,235	238,S53	318,471	398,089	477,706	557,324	636,942	716,560	46
15	79,6002	159,200	238,800	318,400	398,001	477,601	557,201	636,801	716,401	45
16	79,5826	159,165	238,747	318,330	397,913	477,495	557,078	636,660	716,243	44
17	79,5649	159,130	238,695	318,259	397,824	477,389	556,954	636,519	716,084	43
18	79,5473	159,094	238,042	318,189	397,736	477,284	556,831	636,378	715,926	42
19	79,5297	159,059	238,589	318,118	397,648	477,178	556,708	636,237	715,767	41
20	79,5120	159,024	238,536	318,048	397,560	477,072	556,584	636,096	715,608	40
21	79,4944	158,988	238,483	317,977	397,472	476,966	556,461	635,955	715,450	39
22	79,4767	158,953	238,430	317,907	397,384	476,860	556,337	635,814	715,291	38
23	79,4591	158,918	238,377	317,836	397,295	476,754	556,214	635,673	715,132	37
24	79,4414	158,883	238,324	317,765	397,207	476,648	556,090	635,531	714,973	36
25	79,4238	158,847	238,271	317,695	397,119	476,542	555,966	635,390	714,814	35
26	79,4061	158,812	238,218	317,624	397,030	476,436	555,842	635,249	714,655	34
27	79,3884	158,776	238,165	317,553	396,942	476,330	555,719	635,107	714,495	33
28	79,3707	158,741	238,112	317,483	396,853	476,224	555,595	634,966	714,336	32
29	79,3530	158,706	238,059	317,412	396,765	476,118	555,471	634,824	714,177	31
30	79,3353	158,670	238,006	317,341	396,676	476,012	555,347	634,682	714,018	30
/	100	200	300	400	5 *00*	600	700	*800*	900	'
d	18	35	53	70	*88*	106	123	141	159	*d*

>1M	00	10	20	30	40	50	60	70	80	90
100	80	88	96	103	111	119	127	135	143	151
200	159	167	175	183	191	199	207	215	223	231
300	239	247	255	263	271	279	287	295	302	310
400	318	326	334	342	350	358	366	374	382	390
500	398	406	414	422	430	438	446	454	462	470
600	478	486	494	501	509	517	525	533	541	549
700	557	565	573	581	589	597	605	613	621	629
800	037	645	653	661	669	677	685	693	700	708
900	716	724	732	740	748	756	764	772	780	788

'/d	18	35	53	70	88	106	123	141	159
6	2	4	5	7	9	11	12	14	16
7	2	4	6	8	10	12	14	16	18
8	2	5	7	9	12	14	16	19	21
9	3	5	8	11	13	16	18	21	24
10	3	6	9	12	15	18	21	23	26
20	6	12	18	23	30	35	41	47	53
30	9	18	26	35	44	53	62	70	79
40	12	23	35	47	59	70	82	94	106
50	15	29	44	59	73	88	103	117	132

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!	100	200	300	400	500	600	700	800	900	'
0	60,1815	120,363	180,544	240,726	300,907	361,089	421,270	481,452	541,633	60
1	60,2047	120,409	180,614	240,819	301,023	361,228	421,433	481,637	541,842	59
2	60,2279	120,456	180,683	240,911	301,139	361,367	421,595	481,823	542,051	58
3	60,2511	120,502	180,735	241,004	301,255	361,507	421,758	482,009	542,260	57
4	60,2743	120,548	180,823	241,097	301,372	361,646	421,920	482,195	542,469	56
5	60,2976	120,595	180,892	241,190	301,488	361,785	422,083	482,380	542,678	55
6	60,3208	120,641	180,962	241,283	301,604	361,924	422,245	482,566	542,887	54
7	60,3440	120,688	181,032	241,376	301,720	362,064	422,408	482,752	543,096	53
8	60,3671	120,734	181,101	241,468	301,836	362,203	422,570	482,937	543,304	52
9	60,3903	120,780	181,171	241,561	301,951	362,342	422,732	483,123	543,513	51
10	60,4135	120 827	181,240	241,654	302,067	362,481	422,895	483,308	543,722	50
11	60,4367	120,873	181,310	241,747	302,183	362,620	423,057	483,493	543,930	49
12	60,4599	120,919	181,379	241,839	302,299	362,759	423,219	483,679	544,139	48
13	60,4830	120,966	181,449	241,932	302,415	362,898	423,381	483,864	544,347	47
14	60,5062	121,012	181,518	242,025	302,531	363,037.	423,543	484,050	544,556	46
15	60,5294	121,058	181,588	242,117	302,647	363,176	423,705	484,235	544,764	45
16	60,5525	121,105	181,657	242,210	302,762	363,315	423,867	484,420	544,973	44
17	60,5757	121,151	181,727	242,302	302,878	363,454	424,029	484,605	545,181	43
18	60,5988	121,197	181,796	242,395	302,994	363,593	424,191	484,790	545,389	42
19	60,6219	121,244	181,866	242,487	303,109	363,731	424,353	484,975	545,597	41
20	60,6451	121,290	181,935	242,580	303,225	363,870	424,515	485,160	545,806	40
21	60,6682	121,336	182,004	242,673	303,341	364,009	424,677	485,345	546,014	39
22	60,6913	121,382	182,074	242,765	303,456	364,148	424,839	485,530	546,222	38
23	60,7144	121,429	182,143	242,857	303,572	364,286	425,001	485,715	546,430	37
24	60,7375	121,475	182,212	242,950	303,687	364,425	425,163	485,900	546,638	36
25	60,7606	121,521	182,282	243,042	303,803	364,564	425,324	486,085	546,846	35
26	60,7837	121,567	182,351	243,135	303,919	364,702	425,486	486,270	547,054	34
27	60,8068	121,613	182,420	243,227	304,034	364,841	425,648	486,455	547,262	33
28	60,8299	121,660	182,490	243,319	304,149	364,979	425,809	486,639	547,469	32
29	60,8530	121,706	182,559	243,412	304,265	365,118	425,971	486,824	547,677	31
30	60,8761	121,752	182,628	243,504	304,380	365,256	426,133	487,009	547,885	30
/	100	200	300	400	500	600	700	800	900	/
d	23	46	69	93	116	139	162	185	208	d

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	00	10	20	30	40	50	60	70	80	90	Id	23	46	69	93	116	139	162	185	208
100	61	67	73	79	85	91	97	103	109	115		6	2	5	7	9	12	14	16	19	21
200	121	127	133	139	145	151	157	163	169	176.		7	3	5	8	11	14	16	19	22	24
300	182	188	194	200	206	212	218	224	230	236		8	3	6	9	12	15	19	22	25	28
400	242	248	254	260	266	272	278	284	291	297		9	3	7	10	14	17	21	24	28	31
500	303	309	315	321	327	333	339	345	351	357		10	4	8	12	15	19	23	27	31	35
600	363	369	375	381	387	393	399	406	412	418		20	8	15	23	31	39	46	54	62	69
700	424	430	436	442	448	454	460	466	472	478		30	12	23	35	46	58	69	81	93	104
800	484	490	496	502	508	514	521	527	533	539		40	15	31	46	62	77	93	108	124	139
900	545	551	557	563	569	575	581	587	593	599		50	19	39	58	77	97	116	135	154	174

t	100	200	300	400	500	600	700	800	900	t
30	79,3353	158,670	238,006	317,341	396,676	476,012	555,347	634,682	714,018	30
31	79,3176	158,635	237,952	317,270	396,588	475,905	555,223	634,541	713,858	29
32	79,2999	158,599	237,899	317,199	396,499	475,799	555,099	634,399	713,699	28
33	79,2821	158,564	237,846	317,128	396,410	475,693	554,975	634,257	713,539	27
34	79,2644	158,528	237,793	317,057	396,322	475,586	554,851	634,115	713,380	26
35	79,2467	158,493	237,740	316,986	396,233	475,480	554,727	633,973	713,220	25
36	79,2289	158,458	237,686	316,915	396,144	475,373	554,602	633,831	713,060	24
37	79,2112	158,422	237,633	316,844	396,056	475,267	554,478	633,689	712,901	23
38	79,1934	158,387	237,580	316,773	395,967	475,160	554,354	633,547	712,741	22
39	79,1757	158,351	237,527	316,702	395,878	475,054	554,229	633,405	712,581	21
40	79,1579	158,315	237,473	316,631	395,789	474,947	554,105	633,263	712,421	20
41	79,1401	158,280	237,420	316,560	395,700	474,840	553,981	633,121	712,261	19
42	79,1223	158,244	237,367	316,489	395,611	474,734	553,856	632,978	712,101	18
43	79,1045	158,209	237,313	316,418	395,522	474,627	553,732	632,836	711,941	17
44	79,0867	158,173	237,260	316,347	395,433	474,520	553,607	632,694	711,780	16
45	79,0689	158,138	237,206	316,275	395,344	474,413	553,482	632,551	711,620	15
46	79,0511	158,102	237,153	316,204	395,255	474,306	553,358	632,409	711,460	14
47	79,0333	158,066	237,100	316,133	395,166	474,200	553,233	632,266	711,300	13
48	79,0155	158,031	237,046	316,062	395,077	474,093	553,108	632,124	711,139	12
49	78,9976	157,995	236,993	315,990	394,988	473,986	552,983	631,981	710,979	11
50	78,9798	157,959	236,939	315,919	394,899	473,879	552,858	631,838	710,818	10
51	78,9619	157,924	236,886	315,848	394,810	473,772	552,734	631,696	710,657	9
52	78,9441	157,888	236,832	315,776	394,720	473,664	552,609	631,553	710,497	8
53	78,9262	157,852	236,778	315,705	394,631	473,557	552,484	631,410	710,336	7
54	78,9084	157,816	236,725	315,633	394,542	473,450	552,358	631,267	710,175	6
55	78,8905	157,781	236,671	315,562	394,452	473,343	552,233	631,124	710,014	5
56	78,8726	157,745	236,618	315,490	394,363	473,236	552,108	630,981	709,854	4
57	78,8547	157,709	236,564	315,419	394,273	473,128	551,983	630,838	709,693	3
58	78,8368	157,673	236,510	315,347	394,184	473,021	551,858	630,695	709,532	2
59	78,8189	157,638	236,457	315,276	394,095	472,914	551,733	630,551	709,370	1
60	78,8010	157,602	236,403	315,204	394,005	472,806	551,607	630,408	709,209	0
	100	200	300	400	500	600	700	800	900	t
d	18	36	53	71	89	107	125	142	160	d

+127° —307° Д y cos sin 52°+ 232°—

им	00	10	20	30	40	50	60	70	80	90	4d	18	36	53	71	89	107	125	142	¿60
100	79	87	95	103	111	119	127	134	142	150	6	2	4	5	7	9	11	12	14	16
200	158	166	174	182	190	198	206	213	221	229	7	2	4	6	8	10	12	15	17	19
300	237	245	253	261	269	277	285	293	300	308	8	2	5	7	10	12	14	17	19	21
400	316	324	332	340	348	356	364	372	380	387	9	3	5	8	11	13	16	19	21	24
500	395	403	411	419	427	435	443	451	459	467	10	3	6	9	12	15	18	21	24	27
600	474	482	490	498	506	514	522	530	538	546	20	6	12	18	24	30	36	42	48	54’
700	553	561	569	577	585	593	601	609	617	625	30	9	18	27	36	45	53	62	71	80
800	633	640	648	656	664	672	680	688	696	704	40	12	24	36	48	59	71	83	95	107
900	712	720	727	735	743	751	759	767	775	783	50	15	30	45	59	74	89	104	119	134

—217° j-37“ *i* sin 37“ Ду 322“— 142“+ *i*

t	100	200	300	400	500	600	700	800	900	s
30	60,8761	121,752	182,62a	243,504	304,380	365,256	426,133	487,009	547,885	30 .
31	60,8992	121,798	182,697	243,596	304,496	365,395	426,294	487,193	548,093	29
32	60,9222	121,844	182,766	243,689	304,611	365,533	426,456	487,378	548,300	28
33	60,9453	121,890	182,836	243,781	304.726	365,672	426,617	487,562	548,508	27
34	60,9684	121,936	182,905	243,873	304,042	365,810	426,778	487,747	548,715	26
35	60,9914	121,983	182,974	243,965	304,957	365,948	426,940	487,931	548,923	25
36	61,0145	122,029	183,043	244,058	305,072	366,087	427,101	488,116	549,130	24
37	61,0375	122,075	183,112	244,150	305,187	366,225	427,263	488,300	549,338	23
38	61,0606	122,121	183,181	244,242	305,303	366,363	427,424	488,484	549,545	22
39	61,0836	122,167	183,250	244,334	305,418	366,501	427,585	488,669	549,752	21
40	61,1066	122,213	183,320	244,426	305,533	366,640	427,746	488,853	549,960	20
41	61,1296	122,259	183,389	244,518	305,648	366,778	427,907	489,037	550,167	19
42	61,1527	122,305	183,458	244,610	305,763	366,916	428,069	489,221	550,374	18
43	61,1757	122,351	183,527	244,702	305,878	367,054	428,230	489,405	550,581	17
44	61,1987	122,397	183,596	244,794	305,993	367,192	428,391	489,589	550,788	16
45	61,2217	122,443	183,665	244,886	306,108	367,330	428,552	489,773	550,995	15
46	61,2447	122,489	183,734	244,978	306,223	367,468	428,713	489,957	551,202	14
47	61,2677	122,535	183,803	245,070	306,338	367,606	428,874	490,141	551,409	13
48	61,2907	122,581	183,872	245,162	306,453	367,744	429,035	490,325	551,616	12
49	61,3136	122,627	183,941	245,254	306,568	367,882	429,195	490,509	551,823	11
50	61,3366	122,673	184,010	245,346	306,683	368,020	429,356	490,693	552,030	10
51	61,3596	122,719	184,078	245,438	306,798	368,157	429,517	490,877	552,236	9
52	61,3826	122,765	184,147	245,530	306,913	368,295	429,678	491,060	552,443	8
53	61,4055	122,811	184,216	245,622	307,027	368,433	429,839	491,244	552,650	7
54	61,4285	122,857	184,285	245.714	307,142	368,571	429,999	491,428	552,856	6
55	61,4514	122,903	184,354	245,805	307,257	368,708	430,160	491,611	553,063	5
56	61,4744	122,948	184,423	245,897	307,372	368,846	430,320	491,795	553,269	4
57	61,4973	122,994	184,492	245,989	307,486	368,984	430,481	491,978	553,476	3
58	61,5202	123,040	184,560	246,081	307,601	369,121	430,642	492,162	553,682	2
59	61,5432	123,086	184,629	246,172	307,716	369,259	430/802	492,345	553,889	1
60	61,5661	123,132	184,698	246,264	307,830	369,396	430,963	492,529	554,095	0
	100	200	300	400	500	600	700	800	900	'
d	23	46	69	92	115	138	161	184	207	*d*

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им	00 10	20 30	40 50 **1**	50 70 80 90	’/*d* 23	46 69	92 115 138 161 184 207
100	61 67	73 80	86 92	98 104 110 116	6 2	5 7	9 12
200	122 129	135 141 :	147 153 159 165 171 178		7 3	5 8	11 13
300	184 190	196 202 208 214 220 227 233 239			8 3 .	6 9	12 15
400	245 251 :	257 263 269 275 2.82 288 294 300			9 3	7 10	14 17 :
500	306 312 :	318 324 331 337 343 349 355 361			10 4	8 12	15 19 :
600 :	367 373	380 386 :	392 398 404 410 416 422		20 8	15 23	31 38
700 '	429 435 •	441 447 453 459 465 471 478 484			30 12	23 35 .	46 58 **1**
800 •	490 496 .	502 508 514 520 527 533 539 545			40 15	31 46	61 77
900 ¡	551 557 !	563 569 575 582 588 594 600 606			50 19	38 58	77 96 115 134 153 173

14 16 :	18 21		
16 19 :	21 24		
18 21 :	25 28		
21 24 28 31			
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69 81 92 109			
92 107 123 138			

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/	**100**	**200**	300	400	500	600	700	800	900	t
0	78,8010	157,602	236,403	315,204	394,005	472,806	551,607	630,408	709,209	**60**
1	78,7831	157,566	236,349	315,132	393,915	472,699	551,482	630,265	709,048	59
2	78,7652	157,530	236,295	315,061	393,826	472,591	551,356	630,122	708,887	58
3	78,7473	157,494	236,242	314,989	393,736	472,484	551,231	629,978	708,725	57
4	78,7293	157,458	236,188	314,917	393,647	472,376	551,105	629,835	708,564	56
5	78,7114	157,422	236,134	314,845	393,557	472,268	550,980	629,691	708,403	55
6	78,6935	157,387	236,080	314,774	393,467	472,161	550,854	629,548	708,241	54
7	78,6755	157,351	236,026	314,702	393,377	472,053	550,728	629,404	708,080	53
8	78,6576	157,315	235,972	314,630	393,288	471,945	550,603	629,260	707,918	52
9	78,6396	157,279	235,918	314,558	393,198	471,837	550,477	629,117	707,75B	51
10	78,6216	157,243	235,865	314,486	393,108	471,730	550,351	628,973	707,594	50
11	78,6036	157,207	235,811	314,414	393,018	471,622	550,225	628,829	707,433	49
12	78,5857	157,171	235,757	314,342	392,928	471,514	550,099	628,685	707,271	48
13	78,51167	157,135	235,703	314,270	392,838	471,406	549,973	628,541	707,109	47
14	78,5497	157,099	235,649	314,198	392,748	471,298	549,847	628,397	706,947	46
15	78,5317	157,063	235,595	314,126	392,658	471,190	549,721	628,253	706,785'	45
16	78,5136	157,027	235,541	314,054	392,568	471,082	549,595	628,109	706,623	44
17	78,4956	156,991	235,487	313,982	392,478	470,974	549,469	627,965	706,461	43
18	78,4776	156,955	235,433	313,910	392,388	470,865	549,343	627,821	706,298	42
19	78,4596	156,919	235,378	313,838	392,298	470,757	549,217	627,676	706,136	41
20	78,4415	156,883	235,324	313,766	392,207	470,649	549,091	627,532	705,974	40
21	78,4235	156,847	235,270	313,694	392,117	470,541	548,964	627,388	705,811	39
22	78,4054	156,811	235,216	313,621	392,027	470,432	548,838	627,243	705,649	38
23	78,3874	156,774	235,162	313,549	391,937	470,324	548,712	627,099	705,486	37
24	78,3093	156,738	235,108	313,477	391,846	470,216	548,585	626,954	705,324	36
25	78,3512	156,702	235,053	313,405	391,756	470,107	548,459	626,810	705,161	35
20	78,3332	156,666	234,999	313,332	391,666	469,999	548,332	626,665	704,998	34
27	78,3151	156,630	234,945	313,260	391,575	469,890	548,205	626,521	704 336	33
28	78.2970	156,594	234,891	313,188	391,485	469,782	548,079	626,376	704,673	32
29	78,2789	156,557	234,836	313,115	391,394	469,673	547,952	626,231	704,510	31
30	78,2608	156,521	234,782	313,043	391.304	469,565	547,825	626,086	704,347	30

t	**100**	**200**	300	400 *	500	600	700	800	900	
d	18	36	54	72	90	108	126	144	162	*d*

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UM	**00**	**10**	**20**	30	40	50	60	70	80	90
100	79	**86**	94	**102**	**110**	118	126	134	141	149
200	167	165	173	181	188	196	204	**212**	**220**	228
300	236	243	251	259	267	275	283	291	298	306 '
400	314	322	330	338	346	353	361	369	377	385
500	393	401	409	416	424	432	440	448	455	463
600	471	479	487	495	503	510	518	526	534	542
700	550	558	565	573	581	589	597	605	613	620
800	628	636	644	652	660	**668**	675	683	691	699
900	VO'/	715	722	730	738	746	754	762	770	777

"Id	18	36	54	72	90	108	126	144	162
6	**2**	4	5	7	9	**11**	13	14	16
7	**2**	4	**6**	**8**	10	13	15	17	19
8	**2**	5	7	in	1?,	14	17	19	??
9	3	5	**8**	11	14	1ft	19	??	?4
10	3	**6**	9	1?,	15	18	**'1**	?4	**97**
20	**6**	**12**	18	24	30	36	4?	48	54
30	9	18	27	36	45	54	63	7?	81
40	**12**	24	36	48	60	72	84	96	108
50	15	30	45	60	75	90	105	**120**	135

4-38° sin 38“ Ap
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0	100	200	300	400	500	600	700	800	900	»
0	61,5661	123,132	184,698	246,264	307,830	369,396	430,963	492,529	554,095	60
1	61,5890	123,178	184,767	246,356	307,945	369,534	431,123	492,712	554,301.	59
2	61,6119	123,224	184,836	246,448	308,060	369,671	431,283	492,895	554,507	58
3	61,6349	123,269	184,904	246,539	308,174	369,809	431,444	493,079	554,714	57
4	61,6578	123,315	184,973	246,631	308,289	369,946	431,604	493,262	554,920	56
5	61,6807	123,361	185,042	246,722	308,403	370,084	431,764	493,445	555,126	55
6	61,7035	123,407	185,110	246,814	308,518	370,221	431,925	493,628	555,332	54
7	61,7264	123,453	185,179	246,905	308,632	370,358	432,085	493,811	555,538	53
8	61,7493	123,498	185,248	246,997	308,746	370,496	432,245	493,994	555,744	52
9	61,7722	123,544	185,316	247,089	308,861	370,633	432,405	494,177	555,950	51
10	61,7951	123,590	185,385	247,180	308,975	370,770	432,565	494,360	556,156	50
11	61,8179	123,636	185,454	247,272	309,089	370,907	432,725	494,543	556,361	49
12	61,8408	123,681	185,522	247,363	309,204	371,045	432,885	494,726	556,567	48
13	61,8637	123,727	185,591	247,454	300,318	371,182	433,045	494,909	556,773	47
14	61,8865	123,773	185,659	247,546	309,432	371,319	433,205	495,092	556,979	46
15	61,9094	123,818	185,728	247,637	309,547	371,456	433,365	495,275	557,184	45
16	61,9322	123,864	185,796	247,729	309,661	371,593	433,525	495,457	557,390	44
17	61,9550	123,910	185,865	247,820	309,775	371,730	433,685	495,640	557,595	43
18	61,9779	123,955	185.933	247,911	309,889	371,867	433,845	495,823	557,801	42
19	62,0007	124,001	186,002	248,002	310,003	372,004	434,005	496,005	558,006	41
20	62,0235	124,047	186,070	248,094	310,117	372,141	434,164	496,188	558,212	40
21	62,0463	124,092	186,139	248,185	310,231	372,278	434,324	496,370	558,417	39
22	62,0691	124,138	186,207	248,276	310,345	372,415	434,484	496,553	558,622	38
23	62,0919	124,184	186,276	248,367	310,459	372,551	434,643	496,735	558,827	37
24	62,1147	124,229	186,344	248,459	310,573	372,688	434,803	496,918	559,033	за
25	62,1375	124,275	186,412	248,550	310,687	372,025	434,963	497,100	559,238	35
26	62,1603	124,320	186,481	248,641	310,801	372,962	435,122	497,282	559,443	34
27	62,1831	124,366	186,549	248,732	310,915	373,098	435,282	497,465	559,648	33
28	62,2059	124,411	186,617	248,823	311,029	373,235	435,441	497,647	559,853	32
29	62,2287	124,457	186,686	248,914	311,143	373,372	435,600	497,829	560,058	31
30	62,2514	124,503	186,754	249,005	311,257	373,508	435,760	498,011	560,263	30
/	100	200	300	400	500	600	700	800	900	'
d	23	46	69	91	114	137	160	183	206	d

—128° 4-308“ áx 51" cos 51“+ 231“—

мм	00	10	20	30	40	50	60	70	80	90
100	62	68	74	80	87	03	99	105	111	118
200	124	130	136	142	149	155	161	167	173	180
300	186	192	198	204	210	217	223	229	235	241
400	248	254	260	266	?72	279	285	291	297	303
500	310	316	322	328	334	341	347	353	359	365
600	371	378	384	390	396	402	409	415	421	427
700	433	440	446	452	458	464	471	477	483	489
800	495	501	508	514	520	526	532	539	545	551
900	557	563	570	576	582	588	594	601	607	613

'Id	23	46	69	91	114	137	160	183	206
в	2	5	7	9	11	14	16	18	21
	7	3	5	8	11	13	16	19	21	24
	8	3	6	9	12	15	18	21	24	27
	9	3	7	10	14	17	21	24	27	31
	10	4	8	11	15	19	23	27	30	34
	20	8	15	23	30	38	46	53	61	68
	30	11	23	34	46	57	68	80	91	103
	40	15	30	46	61	76	91	107	122	137
	50	19	38	57	76	95	114	133	152	171

/	100	200	300	400	500	600	700	800	900	t
30	78,2608	156,521	234,782	313,043	391,304	469,564	547,825	626,086	704,347	30
31	78,2427	156,485	234,728	312,970	391,213	469,456	547,699	625,941	704,184	29
32	78,2245	156,449	234,673	312,898	391,123	469,347	547,572	625,796	704,021	28
33	78,2064	156,413	234,619	312,825	391,032	469,238	547,445	625,651	703,858	27
34	78,1883	156,376	234,565	312,753	390,941	469,130	547,318	625,506	703,695	26
35	78,17b2	156,340	234,510	312,680	390,851	469,021	547,191	625,361	703,531	25
36	78,1520	156,304	234,456	312,608	390,760	468,912	547,064	625,216	703,368	24
37	78,1339	156,267	234,401	312,535	390,669	468,803	546,937	625,071	703,205	23
38	78,1157	156,231	234,347	312,463	390,578	468,694	546,810	624,926	703,041	22
39	78,0975	156,195	234,292	312,390	390,487	468,585	546,683	624,780	702,878	21
40	78,0794	156,158	234,238	312,317	390,397	468,476	546,555	624,635	702,714	20
41	78,0612	156,122	234,183	312,245	390,306	468,367	546,428	624,489	702,551	19
42	78,0430	156,086	234,129	312,172	390,215	468,258	546,301	624,344	702,387	18
43	78,0248	156,049	234,074	312,099	390,124	468,149	54Ç.174	624,198	702,223	17
44	78,0066	156,013	234,020	312,026	390,033	468,040	546,046	624,053	702,059	16
45	77,9884	155,976	233,965	311,953	389,942	467,930	545,919	623,907	701,896	15
46	77,9702	155,940	233,910	311,881	389,851	467,821	545,791	623,762	701,732	14
47	77,9520	155,904	233,856	311,808	389,760	467,712	545,664	623,616	701,568	13
48	77,9338	155,867	233,801	311,735	389,669	467,602	545,536	623,470	701,404	12
49	77,9155	155,831	233,746	311,662	389,577	467,493	545,409	623,324	701,240	11
50	77,8973	155,794	233,692	311,589	389,486	467,384	545,281	623,178	701,076	10
51	77,8790	155,758	233,637	311,516	389,395	467,274	545,153	623,032	700,911	9
52	77,8608	155,721	233,582	311,443	389,304	467,165	545,025	622,886	700,747	8
53	77,8425	155,685	233,527	311,370	389,213	467,055	544,898	622,740	700,583	7
54	77,8243	155,648	233,473	311,297	389,121	466,946	544,770	622,594	700,418	6
55	77,8060	155,612	233,418	311,224	389,030	466,836	544,642	622,448	700,254	5
56	77,7877	155,575	233,363	311,151	388,938	466,726	544,514	622,302	700,090	4
57	77,7694	155,539	233,308	311,078	388,847	466,617	544,386	622,156	699,925	3
58	77,7512	155,502	233,253	311,004	388,756	466,507	544,258	622,009	699,760	2
59	77,7329	155,465	233,198	310,931	388,664	466,397	544,130	621,863	699,596	1
60	77,7146	155,429	233,143	310,858	388,573	466,287	544,002	621,716	699,431	0
/	100	200	300	400	500	600	700	800	900	/
d	18	36	55	73	91	109	127	146	164	*d*

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им	00 10	20 30	40 50	60 70	80 90	*/<¿ 18$36 55	73 91 109 127 146 164
100	78 86	94 101 109 117 125 133 140 148				6 2 4 5	7 9 11 13 15 16
200	156 164	172 179 187 195 203 211 218 226				7 2 4 6	8 11 13 15 17 19
300	234 242	250 257 265 273 281 289 296 304				8 2 5 7	10 12 15 17 19 22
400	312 320	328 335 343 351 359 367 374 382				9 3 5 8	И 14 16 19 22 24
500	390 398	406 413 421 429 437 445 452 460				10 3 6 9	12 15 18 21 24 27
600	468 476	484 491 499 507 515 523 530 538				20 6 12 18	24 30 36 42 49 54
700	546 554	562 569 577 585 593 .601 608 616				30 9 18 27	36 46 55 64 73 81
800	624 632	640 647 635 663 671 678 686 694				40 12 24 36	49 61 73 85 97 109
900	702 710	717 825 733 741 749 756 764 772				50 15 30 46	61 76 91 105 121 136

/	100	200	300	400	500	600	700	800	900	t
30	62,2514	124,503	186,754	249,005	311,257	373,508	435,760	498,011	560,263	30
31	62,2742	124,548	186,822	249,097	311,371	373,645	435,919	498,193	560,468	29
32	62,2969	124,594	186,891	249,188	311,485	373,782	436,078	498,375	560,672	28
33	62,3197	124,639	186,959	249,279	311,598	373,918	436,238	498,557	560,877	27
34	62,3424	124,685	187,027	249,370	311,712	374,054	436,397	498,739	561,082	26
35	62,3652	124,730	187,095	249,460	311,826	374,191	436,556	498,921	561,287	25
36	62,3879	124,776	187,163	249,551	311,939	374,327	436,715	499,103	561,491	24
37	62,4106	124,821	187,232	249,642	312,053	374,464	436,874	499,285	561,696	23
38	62,4334	124,866	187,300	249,733	312,167	374,600	437,034	499,467	561,900	22
39	62,4561	124,912	187,368	249,824	312,280	374,736	437,193	499,649	562,105	21
40	62,4788	124,957	187,436	249,915	312,394	374,873	437,352	499,830	562,309	20
41	62,5015	125,003	187,504	250,006	312,507	375,009	437,511	500 012	562,514	19
42	62,5242	125,048	187,572	250,097	312,621	375,145	437,669	500,194	562,718	18
43	62,5469	125,094	187,640	250,187	312,734	375,281	437,828	500,375	562,922	17
44	62,5696	125,139	187,709	250,278	312,848	375,418	437,987	500,557	563,127	16
45	62,5923	125,184	187,777	250,369	312,961	375,554	438,146	500,738	563,331	15
46	62,6150	125,230	187,845	250,460	313,075	375,690	438,305	500,920	563,535	14
47	62,6377	125,275	187,913	250,550	313,188	375,826	438,464	501,101	563,739	13
48	62,6603	125,320	187,981	250,641	313,301	375,962	428,622	501,283	563,943	12
49	62,6830	125,366	188,049	250,732	313,415	376,098	438,781	501,464	564,147	11
50	62,7057	125,411	188,117	250,822	313,528	376,234	438,940	501,645	564,351	10
51	62,7283	125,456	188,185	250,913	313,641	376,370	439,098	501,827	564,555	9
52	62,7510	125,502	188,253	251,004	313,755	376,506	439,257	502,008	564,759	8
53	62,7736	125,547	188,321	251,094	313,868	376,642	439,415	502,189	564,963	7
54	62,7963	J25,592	188,389	251,185	313,981	376,777	439,574	502,370	565,166	6
55	62,8189	125,637	188,456	251,275	314,094	376,913	439,732	502,551	565,370	5
56	62,8415	125,683	188,524	251,366	314,207	377,049	439,891	502,732	565,574	4
57	62,8642	125,728	188,592	251,456	314,321	377,185	440,049	502,913	565,777	3
58	62,8868	125,773	188,660	251,547	314,434	377,320	440,207	503,094	565,981	2
59	62,9094	125,818	188,728	251,637	314,547	377,456	440,366	503,275	566,184	1
60	62,9320	125,864	188,796	251,728	314,660	377,592	440,524	503,456	566,388	0

/	100	200	300	400	500	600	700	800	900	«
d	23	45	68	91	113	136	159	181	204	*d*

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ИИ	00	10	20	30	40	50	60	70	80	90	23	45	68	91	113	136	159	181	204
100	63	69	75	81	88	94	1QP	106	113	119	6	2	5	7	9	11	14	16	18	20
200	125	131	138	144	150	156	163	169	175	182	7	3	5	8	11	13	16	19	21	24
300	188	194	200	207	213	219	225	232	238	244	8	3	6	9	12	15	18	21	24	27
400	250	257	263	269	275	282	288	294	300	307	9	3	7	10,.14		17	20	24	27	31
500	313	319	325	332	338	344	351	357	363	369	10	4	8	11	15	19	23	26	30	34
600	376	382	388	394	401	407	413	419	426	432	20	8	15	23	30	38	45	53	60	68
700	438	444	451	457	463	469	476	482	488	494	30	11	23	34	45	57	68	79	91	102
800	501	507	513	520	526	532	538	545	551	557	40	15	30	45	60	76	91	106	121	138
900	563	570	576	582	588	595	601	607	613	620	50	19	38	57	76	94	113	132	151	170

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/	wb 00	200	300	400	500	600	700	800	900	t
0	77,7146	155,429	233,143	310,858	388,573	466,287	§44,002	621,716	699,431	60
1	77y6962	155,392	233,088	310,785	388,481	466,177	543,874	621,570	699,266	59
2	77,6779	155,356	233,034	310,711	388,389	466,067	543,745	621,423	699,101	58
3	77,6596	155,319	232,979	310,638	388,298	465,957	543,617	621,277	698,936	57
4	77,6413	155,282	232,924	310,565	388,206	465,848	543,489	621,130	698,771	56
5	.77,6229	155,246	232,869	310,492	388,115	465,737	543,360	620,983	698,606	55
6	77,6046	155,209	232,814	310,418	388,023	465,627	543,232	620,837	698,441	54
7	77,5863	155,172	232,758	310,345	387,931	465,517	543,104	620,690	698,276	53
8	77,5679	155,135	232,703	310,271	387,839	465,407	542,975	620,543	698,111	52
9	77,5495	155,099	232,648	310,198	387,747	465,297	542,847	620,396	697,946	51
10	77,5312	155,062	232,593	310,124	387,656	465,187	542,718	620,249	697,780	50
и	77,5128	155,025	232,538	310,051	387,564	465,077	542,589	620,102	697,615	49
12	77,4944	154,988	232,483	309,977	387,472	464,966	542,461	619,955	697,450	48
13	77,4760	154,952	232,428	309,904	387,380	464,856	542,332	619,808	697,284	47
14	77,4576	154,915	232,373	309,830	387,288	464,746	542,203	619,661	697,119	46
15	77,4392	154,878	232,317	309,757	387,196	464,635	542,074	619,514	696,953	45
16	77,4208	154,841	232,262	309,683	387,104	464,525	541,946	619,366	696,787	44
17	77,4024	154,804	232,207	309,609	387,012	464,414	541,817	619,219	696,622	43
18	77,3840	154,768	232,152	309,536	386,920	464,304	541,688	619,072	696,456	42
19	77,3656	154,731	232,096	309,462	386.828	464,193	541,559	618,924	696,290	41
20	77,3471	154,694	232,041	309,388	386,735	464,083	541,430	618,777	696,124	40
21	77,3287	154,657	231,986	309,314	386,643	463,972	541,301	618,629	695,958	39
22	77,3102	154,620	231,930	309,241	386,551	463,861	541,172	618,482	695,792	38
23	77,2918	154,583	231,875	309,167	386,459	463,751	541,042	618,334	695,626	37
24	77,2733	154,546	231,820	309,093	386,366	463,640	540,913	618,186	695,460	36
25	77,2549	154,509	231,764	309,019	386,274	463,529	540,784	618,039	695,294	35
26	77,2364	154,472	231,709	308,945	386,182	463,418	540,655	617,891	695,127	34
27	77,2179	154,435	231,653	308,871	386,089	463,307	540,525	617,743	694,961	33
28	77,1994	154,399	231,598	308,797	385,997	463,196	540,396	617,595	694,795	32
29	77,1809	154,362	231,542	308,723	385.904	463,085	540,266	617.447	694,628	31
30	77,1624	154,325	231,487	308,649	385,812	462,974	540,137	617,299	694,462	30
-	100	200	300	400	500	600	700	800	900	'
d	18	37	55	74	92	110	129	147	166	*d*

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им	00	10	20	30	40	50	60	70	80	90
100	77	85	93	101	108	116	124	132	139	147
200	155	163	170	178	186	194	201	209	217	225
300	232	240	248	256	263	271	279	287	294	302
400	310	318	325	333	341	348	356	364	372	379
500	387	395	403	410	418	426	434	441	449	457
600	465	472	480	488	496	503	511	519	527	534
700	542	550	558	565	573	581	589	596	604	612
800	«20	627	635	643	650	658	666	674	681	689
900	697	705	712	720	728	736	743	751	759	767

'Id	18	37	55	74	92	110	129	147	166
6	2	4	6	7	9	11	13	15	17
7	2	4	6	9	11	13	15	17	19
8	2	5	7	10	12	15	17	20	22
9	3	6	8	11	14	17	19	22	2b
10	3	6	9	12	15	18	21	2b	28
20	6	12	18	2b	31	3V	43	49	5b
30	9	18	28	37	46	55	64	/4	83
40	12	25	37	49	61	74	86	98	111
50	15	31	46	61	77	92	107	123	138

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0	100	200	*300*	*400*	500	600	700	800	900	*0*
0	62,9320	125,864	188,796	251,728	314,660	377,592	440,524	503,456	566,388	60
1	62,9546	125,909	188,864	251,818	314,773	377,727	440,682	503,637	566,591	59
2	62,9772	125,954	188,931	251,909	314,886	377,863	440,840	503,818	566,795	58
3	62,9998	125,999	188,999	251,999	314,999	377,999	440,998	503,998	566,998	57
4	63,0224	126,044	189,067	252,089	315,112	378,134	441,157	504,179	567,201	56
5	63,0450	126,090	189,135	252,180	315,225	378,270	441,315	504,360	567,405	55
6	63,0675	126,135	189,202	252,270	315,337	378,405	441,473	504,540	567,608	54
7	63,0901	126,180	189,270	252,360	315,450	378,541	441,631	504,721	567,811	53
8	63,1127	126,225	189,338	252,450	315,563	378,676	441,789	504,901	568,014	52
g	63,1352	126,270	189,405	252,541	815,676	378,811	441,947	505,082	568,217	51
10	63,1578	126,315	189,473	252,631	315,789	378,947	442,104	505,262	568,420	50
il	63,1803	126,360	189,541	252,721	315,902	379,082	442,262	505,443	568,623	49
12	63,2029	126,405	189,608	252,811	316,014	379,217	442,420	505,633	568,826	48
13	63,2254	126,451	189,676	252,901	316,127	379,352	442,578	505,803	569,029	47
14	63,2480	126,496	189,744	252,992	316,240	379,488	442,736	505,984	569,232	46
15	63,2705	126,541	189,811	253,082	316,352	379,623	442,893	506,164	569,434	45
16	63,2930	126,586	189,879	253,172	316,465	379,758	443,051	506,344	569,637	*44*
17	63,3155	126,631	189,946	253,262	316,577	379,893	443,209	506,524	569,840	*43*
18	63,3380	126,676	190,014	253,352	316,690	380,028	443,366	506,704	570,042	42
19	63,3606	126,721	190,081	253,442	316,803	380,163	443,524	506,884	570,245	41
20	63,3831	126,766	190,149	253,532	316,915	380,298	443,681	507,064	570,447	40
21	63,4055	126,811	190,216	253,622	317,028	380,433	443,839	507,244	570,650	39
22	63,4280	126,856	190,284	253,712	317,140	380,568	443,996	507,424	570,852	38
23	63,4505	126,901	190,351	253,802	317,252	380,703	4^4,154	507.CG4	571,055	37
24	63,4730	126,946	190,419	253,892	317,365	380,838	444,311	507,784	571,257	36
25	63,4955	126,991	190,486	253,982	317,477	380,973	444,468	507,964	571,459	35
26	63,5180	127,036	190,554	254,072	317,590	381,108	444,626	508,144	571,662	34
27	63,5404	127,081	190,621	254,161	317,702	381,242	444,783	508,323	571,864	33
28	63,5629	127,125	190,688	254,251	317,814	381,377	444,940	508,503	572,066	32
29	63,5853	127,170	190,756	254,341	317,926	381,512	445,097	508,683	572,268	31
30	63,6078	127,215	190,823	254,431	318,039	381,646	445,254	508,862	572,470	30
0	100	200	300	400	500	600	700	800	900	*0*
à	23	45	68	90	113	135	158	180	203	*d*

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MU	00	10	20	30	40	50	60	70	80	90
100	63	70	76	82	89	95	101	108	114	120
200	127	133	139	146	152	158	165	171	177	183
300	190	196	202	209	215	221	228	234	240	247
400	253	259	266	272	278	285	291	297	304	310
500	316	323	329	335	342	348	354	361	367	□**373**
600	380	386	392	399	405	411	418	424	430	437
700	443	449	456	462	468	475	481	487	494	500
800	506	512	519	525	531	538	544	550	557	563
900	569	576	582	588	595	601	607	614	620	626

"là	23	45	68	90	113	135	158	180	203
6	2	5	7	9	11	14	16	18	?0
7	3	5	8	11	13	16	18	?1	24
8	3	6	9	12	15	18	?1	?4	?7
9	3	8	10	14	17	?,0	24	*?7*	30
10	4	8	11	15	19	23	26	30	34
20	8	15	23	30	38	45	53	60	fift
30	11	23	34	45	56	68	79	90	101
40	15	30	45	60	75	90	105	1?0	135
50	19	38	56	75	94	113	131	150	169

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/	100	200	300	400	500	600	700	800	900	$
30	77,1624	154,325	231,487	308,649	385,812	462,974	540,137	617,299	694,462	30
31	77,1439	154,288	231,431	308,575	385,719	462,863	540,007	617,151	694,295	29
32	77,1254	154,250	231,376	308,501	385,627	462,752	539,878	617,003	694,129	28
33	77,1069	154,213	231,320	308,427	385,534	462,641	539,748	616,855	693,962	27
34	77,0884	154,176	231,265	308,353	385,442	462,530	539,618	616,707	693,795	26
35	77,0698	154,139	231,209	308,279	385,349	462,419	539,489	616,559	693,628	25
36	77,0513	154,102	231,154	308,205	385,256	462,308	539,359	616,410	693,462	24
37	77,0327	154,065	231,098	308,131	385,163	462,196	539,229	616,262	693,295	23
38	77,0142	154,028	231,042	308,057	385,071	462,085	539,099	616,113	693,128	22
39	76,9956	153,991	230,987	307.982	384,978	461,974	538,969	615,965	692,961	21
40	76,9771	153,954	230,931	307,908	384,885	461,862	538,839	615,816	692,794	20
41	76,9585	153,917	230,875	307,834	384,792	461,751	538,709	615,668	692,626	19
42	76,9399	153,880	230,819	307,759	384,699	461,639	538,579	615,519	692,459	18
43	76,9213	153,842	230,764	307,685	384,606	461,528	538,449	615,371	692,292	17
44	76,9027	153,805	230,708	307,611	384,514	461,416	538,319	615,222	692,125	16
45	76,8841	153,768	230,652	307,536	384,421	461,305	538,189	615,073	691,957	15
46	76,8655	153,731	230,596	307,462	384,328	461,193	538,059	614,924	691,790	14
47	76,8469	153,694	230,541	307,387	384,234	461,081	537,928	614,775	691,622	13
48	76,8283	153,656	230,485	307,313	384,141	460,970	537,798	614,626	691,455	12
49	76,8097	153,619	230,429	307,239	384,048	460,858	537,668	614,477	691,287	11
50	76,7911	153,582	230,373	307,164	383,955	460,746	537,537	614,328	691,120	10
.51	76,7724	153,545	230,317	307,089	383,862	460,634	537,407	614,179	690,952	9
52	76,7538	153,507	230,261	307,015	383,769	460,523	537,276	614,030	690,784	8
53	76,7351	153,470	230,205	306,940	383,675	460,411	537,146	613,881	690,616	7
54	76,7165	153,433	230,149	306,866	383,582	460,299	537,015	613,732	690,448	6
55	76,6978	153,395	230,093	306,791	383,489	460,187	536,885	613,582	690,280	5
56	76,6791	153,358	230.037	306,716	383,396	460,075	536,754	613,433	690,112	4
57	76,6605	153,321	229,981	306,642	383,302	459,963	536,623	613,284	689,944	3
58	76,6418	153,283	229,925	306,567	383,209	459,851	536,492	613,134	689,776	2
59	76,6231	153,246	229,869	306,492	383,115	459,738	536,362	612,985	689,608	1
60	76,6044	153,208	229,813	306,417	383,022	459,626	536,231	612,835	689,440	0

S	100	200	300	400	500	600	700	800	900	»
d	19	37	56	74	93	112	130	149	167	*d*

4-129° 50°+
—309° Ap 50° sin 230°—

MM	00	10	20	30	40	50	60	70	80	90
100	77	85	92	100	108	115	123	131	138	146
200	154	161	169	177	185	192	200	208	215	223
300	231	238	246	254	261	269	277	284	292	300
400	308	315	323	331	338	346	354	361	369	377
500	384	392	400	407	415	423	431	438	446	454
600	461	469	477	484	492	500	507	515	523	531
700	538	5'46	554	561	569	577	584	592	600	607
800	615	623	630	638	646	654	661	669	677	684
900	692	700	707	715	723	730	738	746	753	761

'Id	19	37	56	74	93	112	130	149	167
6	2	4	6	7	9	11	13	15	17
7	2	4	7	9	11	13	15	17	20
8	2	5	7	10	12	15	17	20	22
9	3	6	8	11	14	17	20	22	25
10	3	6	9	12	16	19	'22	25	28
20	6	12	19	25	31	37	43	50	56
30	9	19	28	37	46	56	65	74	84
40	12	25	37	49	62	74	87	99	112
50	16	31	46	62	78	93	108	124	140

лт[a]
-f 39*
i

[4]	100	200	300	400	500	.. 600	700	800	900	[g]
30	63,6078	127,215	190,823	254,431	318,039	381,647	445,254	508,862	572,470	30
31	63,6302	127,260	190,890	254,521	318,151	381,781	445,411	509,042	572,672	29
32	63,6527	127,305	190,958	254,610	318,263	381,916	445,569	509,221	572,874	28
33	63,6751	127,350	191,025	254,700	318,375	382,050	445,726	509,401	573,076	27
34	63,6975	127,395	191,092	254,790	318,487	382,185	445,883	509,580	573,278	26
35	63,7199	127,440	191,160	254,880	318,600	382,319	446,039	509,759	573,479	25
36	63,7424	127,484	191,227	254,969	318,712	382,454	446,196	509,939	573,681	24
37	63,7648	127,529	191,294	255,059	318,824	382,588	446,353	510,118	573,883	23
38	63,7872	127,574	191,361	255,148	318,936	382,723	446,510	510,297	574,085	22
39	63,8096	127,619	191,428	255,238	319,048	382,857	446,667	510,477	574,286	21
40	63,8320	127,664	191,496	255,328	319,160	382,992	446,824	510,656	574,488	20
41	63,8544	127,708	191,563	255,417	319,272	383,126	446,980	510,835	574,689	19
42	63,8767	127,753	191,630	255,507	319,383	383,260	447,137	511,014	574,891	18
43	63,8991	127,798	191,697	255,596	319,495	383,395	447,294	511,193	575,092	17
44	63,9215	127,843	191,764	255,686	319,607	383,529	447,450	511,372	575,293	16
45	63,9439	127,887	191,831	255,775	319,719	383,663	447,607	511,551	575,495	15
46	63,9662	127,932	191,898	255,865	319,831	383,797	447,763	511,730	575,696	14
47	63,9886	127,977	191,965	255,954	319,943	383,931	447,920	511,909	575,897	13
48	64,0109	128,022	192,033	256,043	320,054	384,065	448,076	512,087	576,098	12
49	64,0333	128,066	192,100	256,133	320,166	384,199	448,233	512,266	576,299	11
50	64,0556	128,111	192,167	256,222	320,278	384,334	448,389	512,445	576,500	10
51	64,0779	128,156	192,234	256,312	320,390	384,468	448,546	512,624	576,701	9
52	64,1003	128,200	192,301	256,401	320,501	384,602	448,702	512,802	576,902	8
53	64,1226	128,245	192,368	256,490	320,613	384,735	448,858	512,981	577,103	7
54	64,1449	128,290	192,434	256,579	320,724	384,869	449,014	513,159	577,304	6
55	64,1672	128,334	192,501	256,669	320,836	385,003	449,171	513,338	577,505	5
56	64,1895	128,379	192,568	256,758	320,947	385,137	449,327	513,516	577,706	4
57	64,2118	128,423	192,635	256,847	321,059	385,271	449,483	513,695	577,907	3
58	64,2341	128,468	192,702	256,936	321,170	385,405	449,639	513,873	578,107	2
59	64,2564	128,513	192,769	257,025	321,282	385,538	449,795	514,051	578,308	1
60	64,2787	128,557	192,836	257,115	321,393	385,672	449,951	514,230	578,508	0

'	100	200	300	400	500	600	700	800	900	/
d	22	45	67	89	112	134	157	179	201	*d*

b

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eos

50°-t-
230°—

1Ш	00	10	20	30	40	50	60	70	80	90
100	64	70	77	83	90	96	102	109	115	121
200	128	134	141	147	153	160	166	173	179	185
300	192	198	205	211	217	224	230	237	243	249
400	256	262	269	275	281	288	294	301	307	313
500	320	326	333	339	345	352	358	364	371	377
600	384	390	396	403	409	416	422	428	435	441
700	448	454	460	467	473	480	486	492	499	505
800	512	518	524	531	537	544	550	556	563	569
900	575	582	588	595	601	607	614	620	627	633

"Id	22	45	67	89	112	134	157	179	201
6	2	4	7	9	11	13	16	18	20
7	3	5	8	10	13	16	18	21	23
8	3	6	9	12	15	18	21	24	27
9	3	7	10	13	17	20	23	27	30
10	4	7	11	15	19	22	26	30	34
20	7	15	22	30	37	45	52	60	67
30	11	22	34	45	56	67	78	90	101
40	15	30	45	60	75	90	104	119	134
50	19	37	56	75	93	112	131	149	168

/	100	200	300	400	500	600	700	800	900	*
0	76,6044	153,208	229,813	306,417	383,022	459,626	536,231	612,835	689,440	60
1	76,5857	153,171	229,757	306,343	382,928	459,514	536,100	612,686	689,271	59
2	76,5670	153,134	229,701	306,268	382,835	459,402	535,969	612,536	689,103	58
3	76,5483	153,096	229,645	306,193	382,741	459,290	535,838	612,386	688,934	57
4	76,5296	153 059	229,588	306,118	382,648	459,177	535,707	612,236	688,766	56
5	76,5108	153,021	229,532	306,043	382,554	459,065	535,576	612,087	688,597	55
6	76,4921	152,984	229,476	305,968	382,460	458,952	535,445	611,937	688,429	54
7	76,4734	152,946	229,420	305,893	382,367	458,840	535,313	611,787	688,260	53
8	76,4546	152,909	229,364	305,818	382,273	458,728	535,182	611,637	688,091	52
9	76,4359	152,871	229,307	305,743	382,179	458,615	535,051	611,487	687,923	51
10	76,4171	152,834	229,251	305,668	382,085	458,502	534,920	611,337	687,754	50
11	76,3983	152,796	229,195	305,593	381,991	458,390	534,788	611,187	687,585	49
12	76,3796	152,759	229,138	305,518	381,898	458,277	534,657	611,036	687,416	48
13	76,3608	152,721	229,082	305,443	381,804	458,165	534,525	610,886	687,247	47
14	76,3420	152,684	229,026	305,368	381,710	458,052	534,394	610,736	687,078	46
15	76,3232	152,646	228,969	305,293	381,616	457,939	534,262	610,586	686,909	45
16	76,3044	152,609	228,913	305,217	381,522	457,826	534,131	610,435	686,740	44
17	76,2856	152,571	228,857	305,142	381,428	457,713	533,999	610,285	686,570	43
18	76,2668	152,533	228,800	305,067	381,334	457,601	533,867	610,134	686,401	42
19	76,2480	152,496	228,744	304,992	381,240	457,488	533,736	609,984	686,232	41
20	76,2292	152,458	228,687	304,916	381,146	457,375	533,604	609,833	686,062	40
21	76,2103	152,420	228,631	304,841	381,051	457,262	533,472	609,683	685,893	39
22	76,1915	152,383	228,574	304,766	380,957	457,149	533,340	609,532	685,723	38
23	76,1726	152,345	228,518	304,690	380,863	457,036	533,208	609,381	685,554	37
24	76,1538	152,307	228,461	304,615	380,769	456,923	533,076	609,230	685,384	36
25	76.1349	152,270	228,405	304,540	380,674	456,809	532,944	609,079	685,214	35
26	76,1161	152,232	228,348	304,464	380,580	456,696	532,812	608,929	685,045	34
27	76,0972	152,194	228,291	304,389	380,486	456,583	532,680	608,778	684,875	33
28	76,0783	152,156	228,235	304,313	380,391	456,470	532,548	608,627	684,705	32
29	76,0594	152,119	228,178	304,238	380,297	456,357	532,416	608,476	684,535	31
30	76,0406	152,081	228.121	304,162	380,203	456,243	532,284	608.324	684,365	30
'	100	200	300	400	500	600	700	800	900	•
d	19	38	56	75	94	113	132	150	169	*d*

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+ 130'1 A *y* 49° sin 49'+

—310°» 229°—

uu	00 10	20 30	40 50	60 70	80 90
100	76 84	92 99	107 114	122 130	137 145
200	:153 160	168 176	183 191	198 206	214 221
300	229 237 :	244 252 :	259 267 :	275 282	290 298
400	305 313 :	321 328	336 343 ;	351 359	366 374
500	382 389 :	397 405	412 420 •	427 435	443 450
600	458 466 ■	473 481	488 496 !	504 511 :	519 527
700	534 542 1	550 557 1	565 572 !	580 588 ¡	595 603
800	611 618 1	326 633 i	541 649 1	556 664 i	672 679
900	687 695	702 710	717 725	733 740	748 756

• /*d*	19	38	56	75	94	113	132	150	169
6	2	4	6	7	9	11	13	15	17
7	2	4	7	9	11	13	15	17	20
8	2	5	7	10	12	15	17	20	22
9	3	6	8	11	14	17	20	22	25
10	3	6	9	12	16	19	22	25	28
20	6	12	19	25	31	37	44	50	56
30	9	19	28	37	47	56	65	75	84
40	12	25	37	50	62	75	87	100	112
50	16	31	47	62	78	93	109	124	140

—220°
+ 40°
I

sin 40° Air

319°—
139°+

« /	100	200	300	400	500	600	700-	800	900	/
0	64,2787	128,557	192,836	257,115	321,393	385,672	449,951	514,230	578,508	60
1	64,3010	128,602	192,903	257,204	321,505	385,806	450,107	514,408	578,709	59
2	64,3233	128,646	192,970	257,293	321,616	385,940	450,263	514,586	578,909	58
3	64,3455	128,691	193,036	257,382	321,728	386,073	450,419	514,764	579,110	57
4	64,3678	128,735	193,103	257,471	321,839	386,207	450,575	514,942	579,310	56
5	64,3901	128,780	193,170	257,500	321,950	386,340	450,730	515,120	579,5ft	55
6	64,4123	128,824	193,237	257,649	322,061	386,474	450,886	515,299	579,711	54
7	64,4346	128,869	193,303	257,738	322,173	386,607	451,042	515,476	579,911	53
8	64,4568	128,913	193,370	257,827	322,284	386,74Г	451,198	515,654	580,111	52
9	64,4790	128,958	193,437	257,916	322,395	386,874	451,353	515,832	580,311	51
10	64,5013	129,002	193,504	258,005	322,506	387,008	451,509	516,010	580,511	50
11	64,5235	129,047	193,570	258,094	322,617	387,141	451,664	516,188	580,712	49
12	64,5457	129,091	193,637	258,183	322,728	387,274	451,820	516,366	580,912	48
13	64,5679	129,136	193,704	258,272	322,840	387,407	451,975	516,543	581,111	47
14	64,5802	129,180	193,770	258,360	322,951	387,541	452,131	516,721	581,311	46
15	64,6124	129,224	193,837	258,449	323,062	387,674	452,286	516,899	581,511	45
16	64,6346	129,269	193,903	258,538	323,173	387,807	452,442	517,076	581,711	44
17	64,6567	129,313	193,970	258,627	323,284	387,940	452,597	517,254	581,911	43
18	«4,6789	129,358	194,037	258,715	323,394	388,073	452,752	517,431	582,110	42
19	64,7011	129,402	194,103	258,804	323,505	388,207	452,908	517,609	582,310	41
20	64,7233	129,446	194,170	258,893	323,616	388,340	453,063	517,786	582,510	40
21	64,7455	129,491	194,236	258,982	323,727	388,473	453,218	517,964	582,709	39
22	64,7676	129,535	194,303	259,070	323,838	388,606	453,373	518,141	582,909	38
23	64,7898	129,579	194,369	259,159	323,949	388,739	453,528	518,318	583,108	37
24	64,8119	129,624	194,436	259,248	324,060	388,872	453,684	518,495	583,307	36
25	64,8341	129,668	194,502	259,336	324,170	389,004	453,839	518,673	583,507	35
26	64,8562	129,712	194,568	259,425	324,281	389,137	453,994	518,850	583,706	34
27	64,8784	129,756	194,635	259,513	324,392	389,270	454,149	519,027	583,905	33
28	64,9005	129,801	194,701	259,602	324,502	389,403	454,303	519,204	584,105	32
29	64,9226	129,845	194,768	259,690	324,613	389,536	454,458	519,381	584,304	31
30	64,9448	129,889	194,834	259,779	324,724	389,668	454,613	519,558	584,503	30
ъ/	100	200	300	400	500	600	700	800	900	'
d	22	44	67	89	111	133	155	178	200	*d*

-130°
+310°

Ax • 49° cos

49*°+
229°—

им	00	10	20	30	40	50	60	70	80	90
100	65	71	78	84	90	97	103	110	116	123
200	129	136	142	149	155	162	168	174	181	187
300	194	200	207	213	220	226	233	239	246	252
400	258	265	271	278	284	291	297	304	310	317
600	323	330	336	342	349	355	362	368	375	381
600	388	394	401	407	414	420	426	433	439	446
700	452	459	465	472	478	485	491	498	504	510
800	517	523	530	536	543	549	556	562	569	575
«00	582	588	594	601	607	614	620	627	633	640

Vd	22,	44	67	89	111	133	155	178	200
6	2	4	7	9	11	13	16	18	20
7	3	ñ	8	10	13	16	18	21	23
8	3	6	9	12	15	18	21	24	27
9	3	7	10	13	17	20	23	27	30
10	4	7	И	15	18	22	26	30	33
20	7	15	22	30	37	44	52	59	67
30	11	22	33	44	56	67	78	89	100
40	15	30	44	59	74	89	104	118	133
50	18	37	56	74	92	111	130	148	166

—220“ +40° *i* eos 40° ***Ax*** 31^4 139°— *i*

/	100	200	300	400	500	600	700	800	900	*t*
30	76,0406	152,081	228,121	304,162	380,203	456,243	532,284	608,324	684,365	30
31	76,0217	152,043	228,065	304,086	380,108	456,130	532,152	608,173	684,195	29
32	76,0028	152,005	228,008	304,011	380,014	456,016	532,019	608,022	684,025	28
33	75,9839	151,967	227,951	303,935	379,919	455,903	531,887	607,871	683,855	27
34	75,9649	151,930	227,895	303,860	379,824	455,789	531,754	607,719	683,684	26
35	75,9460	151,892	227,838	303,784	379,730	455,676	531,622	607,568	683,514	25
36	75,9271	151,854	227,781	303,708	379,635	455,562	531,490	607,417	683,344	24
37	75,9082	151,816	227,724.	303,632	379,541	455,449	531,357	607,265	683,173	23
38	75,8892	151,778	227,667	303,557	379,446	455,335	531,224	607,114	683,003	22
39	75,8703	151,740	227,611	303,481	379,351	455,221	531,092	606,962	682,832	21
40	75,8513	151,702	227,554	303,405	379,256	455,108	530,959	606,810	682,662	20
41	75,8324	151,664	227,497	303,329	379,162	454,994	530,826	606,659	682,491	19
42	75,8134	151,626	227,440	303,253	379,067	454,880	530,694	606,507	682,321	18
43	75,7944	151,589	227,383	303,177	378,972	454,766	530,561	606,355	682,150	17
44	75,7754	151,551	227,326	303,102	378,877	454,653	530,428	606,203	681,979	16
45	75,7565	151,513	227,269	303,026	378,782	454,539	530,295	606,052	681,808	15
46	75,7375	151,475	227,212	302,950	378,687	454,425	530,162	605,900	681,637	14
47	75,7185	151,437	227,155	302,874	378,592	454,311	530,029	605,748	681,466	13
48	75,6995	151,399	227,098	302,798	378,497	454,197	529,896	605,596	681,295	12
49	75,6805	151,361	227,041	302,722	378,402	454,083	529,763	605,444	681,124	11
50	75,6614	151,323	226,984	302,646	378,307	453,968	529,630	605,291	680,953	10
51	75,6424	151,285	226,927	302,569	378,212	453,854	529,497	605,139	680,782	9
52	75,6234	151,246	226,870	302,493	378,117	453,740	529,364	604,987	680,610	8
53	75,6044	151,208	226,813	302,417	378,022	453,626	529,230	604,835	680,439	7
54	75,5853	151,170	226,756	302,341	377,926	453,512	529,097	604,682	680,268	6
55	75,5663	151,132	226,699	302,265	377,831	453,397	528,964	604,530	680,096	5
56	75,5472	151,094	226,641	302,189	377,736	453,283	528,830	604,378	679,925	4
57	75,5281	151,056	226,584	302,112	377,641	543,169	528,697	604,225	679,753	'3
58	75,5091	151,018	226,527	302,036	377,545	453,054	528,563	604,073	679,582	2
59	75,4900	150,980	226,470	301,960	377,450	452,940	528,430	603,920	679,410	1
60	75,4709	150,942	226,412	301,883	377,354	452,825	528,296	603,767	679,238	0
/	100	200	3C0	400	500	600	700	800	900	*r*
d	19	38	57	76	95	114	133	152	171	***d***

t +130° —310° ***Ay*** 49° sin t 49°+ 229°—

мы	00	10	20	30	40	50	60	70	80	90
100	76	83	91	98	106	114	121	129	136	144
200	152	159	167	174	182	189	197	205	212	220
300	227	235	242	250	258	265	273	280	288	295
400	303	311	318	326	333	341	348	356	364	371
500	379	386	394	402	409	417	424	432	439	447
600	455	462	470	477	485	492	500	508	515	523
700	530	538	545	553	561	568	576	583	591	598
800	606	614	621	629	636	644	652	659	667	674
900	682	689	697	705	712	720	727	735	742	750

"Id	19	38	57	76	95	114	133	152	171
6	2	4	6	8	9	11	13	15	17
7	2	4	7	9	11	13	16	18	20
8	3	5	8	10	13	15	18	20	23
9	3	6	9	11	14	17	20	23	26
10	3	6	9	13	16	19	22	25	28
20	6	13	19	25	32	38	44	51	57
30	9	19	28	38	47	57	66	76	85
40	13	25	38	51	63	76	87	101	114
50	16	32	47	63	79	95	111	127	142

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/	100	200	300	400	500	600	700	800	900	*t*
30	64,9448	129,889	194,834	259,779	324,724	389,668	454,613	519,558	584,503	30
31	64,9669	129,933	194,900	259,867	324,834	389,801	454,768	519,735	584,702	29
32	64,9890	129,978	194,967	259,956	324,945	389,934	454,923	519,912	584,901	28
33	65,0111	130,022	195,033	260,044	325,055	390,066	455,078	520,089	585,100	27
34	65,0332	130,066	195,099	260,133	325,166	390,199	455,232	520,266	585,299	26
35	65,0553	130,110	195,166	260,221	325,276	390,332	455,387	520,442	585,498	25
36	65,0774	130,154	195,232	260,309	325,387	390,464	455,542	520,619	585,696	24
37.	65,0995	130,199	195,298	260,398	325,497	390,597	455,696	520,796	585,895	23
38	65,1215	130,243	195,364	260,486	325,608	390,729	455,851	520,972	586,094	22
39	65,1436	130,287	195,431	260,574	325,718	390,862	456,005	521,149	586,292	21
40	65,1657	130,331	195,497	260,662	325,828	390,994	456,160	521,325	586,491	20
41	65,1877	130,375	195,563	260,751	325,939	391,126	456,314	521,502	586,690	19
42	65,2098	130,419	195,629	260.839	326,049	391,259	456,468	521,678	586,888	18
43	65,2318	130,463	195,695	260,927	326.159	391,391	456,623	521,855	587,087	17
44	65,2539	130,507	195,761	261,015	326,269	391,523	456,777	522,031	587,285	16
45	65,2759	130,552	195,828	261,103	326,379	391,655	456,931	522,207	587,483	15
46	65,2980	130,596	195,894	261,192	326,490	391,788	457,086	522,384	587,682	14
47	65,3200	130,640	195,960	261,280	326,600	391,920	457,240	522,560	587,880	13
48	65,3420	130,684	196,026	261,368	326,710	392,052	457,394	522,736	588,078	12
49	65,3640	130,728	196,092	261,456	326,820	392,184	457,548	522,912	588,276	11
50	65,3860	130,772	196,158	261,544	326,930	392,316	457,702	523,088	588,474	10
51	65,4081	130,816	196,224	261,632	327,040	392,448	457,856	523,264	588,672	9
52	65-,4301'	130,860	196,290	261,720	327,150	392,580	458,010	523,440	588,870	8
53	65,4520	130,904	196,356	261,808	327,260	392,712	458,164	523,616	589,068	7
54	65,4740	130,948	196,422	261,896	327,370	392,844	458,318	523,792	589,266	6
55	65,4960	130,992	196,488	261,984	327,480	392,976	458,472	523,968	589,464	5
56	65,5180	131,036	196,554	262,072	327,590	393,108	458,626	524,144	589,662	4
57	65,5400	131,080	196,620	262,160	327,700	393,240	458,780	524,320	589,860	3
58	65,5619	131,124	196,686	262,248	327-,809	393,371	458,933	524,495	590,057	2
59	65,5839	131,167	196,751	262,335	327,919	393,503	459,087	524,671	590,255	1
60	65,6059	131,211	196,817	262,423	328,029	393,635	459,241	524,847	590,453	0
/	100	200	300	400	500	600	700	800	900	/
d	22	44	66	88	110	132	154	176	198	*d*

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MM	00	10	20	30	40	50	60	70	80	90
lou	65	72	78	85	91	98	104	111	117	124
200	131	137	144	150	157	163	170	176	183	189
300	196	202	209	215	222	228	235	242	248	255
400	261	268	274	281	287	294	300	307	313	320
500	326	333	339	346	352	359	366	372	379	385
600	392	398	405	411	418	424	431	437	444	450
700	457	463	470	477	483	490	496	503	509	516
800	522	529	535	542	548	555	561	568	574	581
900	587	594	601	607	614	620	627	633	640	646

"Id	22	44	66	88	110	132	154	176	193
6	2	4	7	9	11	13	15	18	20
. 7	3	5	8	10	13	15	18	21	23
8	3	6	9	12	15	18	21	24	26
9	3	7	10	13	17	20	23	26	30
10	4	7	11	15	18	22	26	29	33
20	7	15	22	29	37	44	51	59	66
30	11	22	33	44	55	66	77	88	99
40	15	29	44	59	74	88	103	118	132
50	18	37	55	74	92	110	129	147	165

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t	100	200	300	400	500	600	700	800	900	*t*
0	75,4709	150,942	' 226,412	301,883	377,354	452,825	528,296	603,767	679,238	60
1	75,4518	150,903	226;355	301,807	377,259	452,711	528,163	603,615	679,066	59
2	75,4327	150,865	226,298	301,731	377,163	452,596	528,029	603,462	678,895	58
3	75,4136	150,827	226,241	301,654	377,068	452,482	527,895	603,309	678,723	57
4	75,3945	150,789	226,183	301,578	376,972	452,367	527,762	603,156	678,551	56
5	75,3754	150,751	226,126	301,501	376,877	452,252	527,628	603,003	678,379	55
6	75,3563	150,712	226,069	301,425	376,781	452,138	527,494	602,850	678,207	54
7	75,3372	150,674	226,011	301,348	376,686	452,023	527,360	602,697	678,035	53
8	75,3180	150,636	225,954	301,272	376,590	451,908	527,226	602,544	677,862	52 [1]
9	75,2989	150,597	225,896	301,195	376,494	451,793	527,092	602,391	677,690	51
10	75,2798	150,559	225,839	301,119	376,399	451,678	526,958	602,238	677,518	50
11	75,2606	150,521	225,782	301,042	376,303	451,563	526,824	602,085	6Î7.345	49
12	75,2415	150,483	225,724	300,966	376,207	451,449	526,690	601,932	677,173	48
13	75,2223	150,444	225,667	300,889	376,111	451,334	526,556	601,778	677,001	47
14	75,2031	150,406	225,609	300,812	376,015	451,219	526,422	601,625	676,828	46
15	75,1839	150,368	225,552	300,736	375,920	451,103	526,287	601,471	676,655	45
16	75,1648	150,329	225,494	300,659	375,824	450,988	526,153	601,318	676,483	44
17	75,1456	150,291	225,436	300,582	375,728	450,873	526,019	601,164	676,310	43
18	75,1264	150,252	225,379	300,505	375,632	450,758	525,885	601,011	676,137	42
19	75,1072	150,214	225,321	300,428	375,536	450,643	525,750	600,857	675,965	41
20	75,0880	150,176	225,264	300,352	375,440	450,528	525,616	600,704	675,792	40
21	75,0688	150,137	225,206	300,275	375,344	450,412	525,481	600,550	675,619	39
22	75,0495	150,099	225,148	300,198	375,247	450,297	525,347	600,396	675,446	38
23	75,0303	150,060	225,091	300,121	375,151	450,182	525,212	600,242	675,273	37
24	75,0111	150,022	225,033	300,044	375,055	450,066	525,077	600,088	675,100	36
25	74,9918	149,983	224,975	299,967	374,959	449,951	524,943	599,935	674,926	35
26	74,9726	149,945	224,917	299,890	374,863	449,835	524,808	599,781	674,753	34
27	74,9533	149,906	224,860	299,813	374,766	449,720	524,673	599,627	674,580	33
28	74,9341	149,868	224,802	299,736	374,670	449,604	524,538	599,473	674,407	32
29	74,9148	149,829	224,744	299,659	374,574	449,489	524,404	599,318	674,233	31
30	74,8955	149,791	224,686	299,582	374,477	449,373	524,269	599,164	674,060	30

'	100	200	300	400 *0*	500	600	700	800	900	$
d	19	38	58	77	96	115	134	153	173	*i*

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MM	00	10	20	30	40	50	60	70	80	90	ЧA	19	38	58 •	77	96	115	134	153	173
100	75	83	90	98	105	113	120	128	135	143	6	2	4	6	8	10	12	13	15	17
200	150	158	165	173	180	188	195	203	211	218	7	2	5	7	9	11	13	16	18	20
300	226	233	241	248	256	263	271	278	286	293	8	3	5	8	1U	13	Ib	18	20	23
400	301	308	316	323	331	338	346	353	361	368	9	3	6	9	12	14	17	20	23	26
500	376	383	391	398	406	414	421	429	436	444	10	3	6	10	12	16	19	22	26	29
600	451	459	466	474	481	489	496	504	511	519	20	6	13	19	26	32	38	4b	51	58
700	526	534	541	549	556	564	571	579	586	594	30	10	19	29	38	48	58	67	77	86
800	601	609	617	624	632	639	647	654	662	669	40	13	26	38	51	64	77	89	102	115
900	677	684	692	699	707	714	722	729	737	744	50	16	32	48	64	80	96	112	128	144

i										*i*
t	100	200	300	400	500	600	700	800	900	*t*
0	65,6059	131,211	196,817	262,423	328,029	393,635	459,241	•524,847	590,453	60
1	65,6278	131,255	196,883	262,511	328,139	393,767	459,395	525,022	590,650	59
2	65,6498	131,299	196,949	262,599	328,249	393,898	459,548	525,198	590,848	58
3	65,6717	131,343	197,015	262,687	328,358	394,030	459,702	>525,374	591,045	57
4	65,6936	131,387	197,081	262,774	328,468	394,162	459,855	525,549	591,243	58
5	65,7156	131,431	197,146	262,862	328,578	394,293	460,009	525,724	591,440	55
6	65,7375	131,475	197,212	262,950	-328,687	394,425	460,162	525,900	591,637	54
7	65,7594	131,518	197,278	263,037	328,797	394,556	460,316	526,075	591,835	53
8	65,7813	131,562	197,344	263,125	328,906	394,688	460,469	526,250	592,032	52
9	65,8032	131,606	197,409	263,213	329,016	394,819	460,622	526,426	592,229	51
10	65,8251	131,650	197,475	263,300	329,125	394,951	460,776	526,601	592,426	50
11	65,8470	131,694	197,541	263,388	329,235	395,082	460,929	526,776	592,623	49
12	65,8689	131,737	197,606	263,475	329,344	395,213	461,082	526,951	592,820	-48
13	65,8908	131,781	197,672	263,563	329,454	395,345	461,235	527,126	593,017	47
14	65,9127	131,825	197,738	263,650	329,563	395,476	461,389	527,301	593,214	46
15	65,9345	131,869	197,803	263,738	329,672	395,607	461,542	527,476	593,411	45
16	65,9564	131,912	197,869	263,825	329,782	395,738	461,695	527,651	593,608	44
17	65,9783	131,956	197,935	263,913	329,891	395,869	461,848	527,826	593,804	43
18	66,0001	132,000	198,000	264,000	330,000	396,001	462,001	528,001	594,001	42
19	66,0220	132,044	198,066	264,088	330,110	396,132	462,154	528,176	594,198	41
20	66,0438	132,087	198,131	264,175	330,219	396,263	462,307	528,350	594,394	40
21	66,0657	132,131	198,197	264,262	330,328	396,394	462,459	528,525	594,591	39
22	66,0875	132,175	198,262	264,350	330,437	396,525	462,612	528,700	594,787	38
23	66,1093	132,218	198,328	264,437	330,546	396,656	462,765	528,874	594,984	37
24	66,1311	132,262	198,393	264,524	330,656	396,787	462,918	529,049	595,180	36
25	66,1530	132,306	198,459	264,612	330,765	396,918	463,071	529,224	595,377	35
26	66,1748	132,349	198,524	264,699	330,874	397,048	463,223	529,398	595,573	34
27	66,1966	132,393	198,589	264,786'	330,983	397,179	463,376	529,573	595,769	33
28	66,2184	132,436	198,655	264,873	331,092	397,310	463,529	529,747	595,965	32
29	66,2402	132,480	198,720	264,960	331,201	397,441	463,681	529,921	596,162	31
30	66,2620	132,524	198,786	265,048	331,310	397,572	463,834	530,096	596,358	30
t	100	200	300	400	500	600	700	800	900	/
d	22	44	66	87	109	131	153	175	197	*d*

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им	00	10	20	30	40	50	60	70	80	90
100	66	73	79	86	92	99	105	112	119	125
200	132	138	145	152	158	165	171	178	185	191
300	198	204	211	218	224	231	238	244	251	257
400	264	270	277	284	290	297	303	310	316	323
500	330	336	343	349	356	363	369	376	382	389
600	396	402	409	415	422	429	435	442	448	455
700	462	468	475	481	488	495	501	508	514	521
800	527	534	541	547	554	560	667	574	580	587
900	593	600	607	613	620	626	633	640	646	653

"Id	22	44	66	87	109	131	153	175	197
6	2	4	7	9	11	13	15	17	20
7	3	5	8	10	13	15	18	'20	23
8	3	6	9	12	15	17	20	23	26
9	3	7	10	13	16	20'	23	26	30
10	4	7	11	15	18	22	26	29	33
20	7	15	22	29	36	44	51	58	66
30	11	22	33	44	55	66	77	87	98
40	15	29	44	58	73	87	102	117	131
50	18	36	55	73	91	109	128	146	164

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'	100	200	300	400	500	600	700	800	900	/
30	74,8955	149,791	224,686	299,582	374,477	449,373	524,269	599,164	674,060	30
31	74,8763	149,752	224,628	299,505	374,381	449,257	524,134	599,010	673,886	29
32	74,8570	149,714	224,571	299,428	374,285	449,142	523,999	598,856	673,713	28
33	74,8377	149,675	224,513	299,350	374,188	449,026	523,864	598,701	673,539	27
34	74,8184	149,636	224,455	299,273	374,092	448,910	523,729	598,547	673,365	26
35	74,7991	149,598	224,397	299,196	373,995	448,794	523,593	598,393	673,192	25
36	74,7798	149,559	224,339	299,119	373,899	448,678	523,458	598,238	673,018	24
37	74,7605	149,521	224,281	299,042	373,802	448,563	523,323	598,084	672,844	23
38	74,7411	149,482	224,223	298,964	373,705	448,447	523,188	597,929	672,670	22
39	74,7218	149,443	224,165	298,887	373,609	448,331	523,053	597,774	672,496	21
40	74,7025	149,405	224,107	298,810	373,512	448,215	522,917	597,620	672,322	20
41	74,6831	149,366	224,049	298,732	373,415	448,099	522,782	597,465	672,148	19
42	74,6638	149,327	223,991	298,655	373,319	447,983	522,646	597,310	671,974	18
43	74,6444	149,289	223,933	298,577	373,222	447,866	522,511	597,155	671,800	17
44	74,6251	149,250	223,875	298,500	373,125	447,750	522,375	597,000	671,626	16
45	74,6057	149,211	223,817	298,423	373,028	447,634	522,240	596,846	671,451	15
46	74,5863	149,172	223,759	298,345	372,931	447,518	522,104	596,691	671,277	14
47	74,5669	149,134	223,701	298,268	372,835	447,402	521,969	596,536	671,102	13
48	74,5467	149,095	223,642	298,190	372,738	447,285	521,833	596,380	670,928	12
49	74,5282	149,056	223,584	298,112	372,641	447,169	521,697	596,225	670,753	11
50	74,5088	149,017	223,526	298,035	372,544	447,052	521,561	596,070	670,579	10
51	74,4894	148;978	223,468	297,957	372,447	446,936 ■	521,425	595,915	670,404	9
52	74,4700	148,940	223,410	297,880	372,350	446,820	521,290	595,760	670,230	8
53	74,4505	148,901	223,351	297,802	372,253	446,703	521,154	595,604	670,055	7
54	74,4311	148,862	223,293	297,724	372,155	446,587	521,018	595,449	669.880	6
55	74,4117	148,823	223,235	297,647	372,058	446,470	520,882	595,293	669,705	5
56	74,3923	148,784	223,176	297,569	371,961	446,353	520,746	595,138	669,530	4
57	74,3728	148,745	223,118	297,491	'371,864	446,237	520,610	594,982	669,355	3
58	74,3534	148,706	223,060	297,413	371,767	446,120	520,473	594,827	669,180	2
59	74,3339	148,667	223,001	297,335	371,669	446,003	520,337	594,671	669,005	1
60	74,3144	148,629	222,943	297,258	371,572	445,887	520,201	594,515	668,830	0
$	100	200	300	400	500	600	700	800	900	<
d	19	39	58	78	97	116	136	155	174	*d*

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MU	00	10	20	*30*	40	50	60	70	80	90	7 *d*	19	39	58	78	97	116	136	155	174
100	75	82	90	97	104	112	119	127	134	142	6	2	4	6	8	10	12	14	16	17
200	149	157	164	172	179	187	194	201	209	216	7	2	5	7	9	11	14	16	18	20
300	224	231	239	246	254	261	269	276	284	291	8	3	5	8	10	13	16	18	21	23
400	298	306	313	321	328	336	343	351	358	366	9	3	6	9	12	15	17	20	23	26
500	373	380	388	395	403	410	418	425	433	440	10	3	6	10	13	16	19	23	26	29
600	448	455	463	470	477	485	492	500	507	515	20	6	13	19	26	32	39	45	52	58
700	522	530	537	545	552	560	567	574	582	589	30	10	19	29	39	48	58	68	78	87
800	597	604	612	619	627	634	642	649	657	664	40	13	26	39	52	65	78	90	103	116
900	671	679	686	694	701	709	716	724	731	739	50	16	32	48	65	81	97	113	129	145

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/	100	200	300	400	500	600	700	800	900.	!
30	66,2620	132,524	198,786	265,048	331,310	397,572	463,834	530,096	596,358	30
31	66,2837	132,567	198,851	265,135	331,419	397,702	463,986	530,270	596,554	29
32	66,3055	132,611	198,916	265,222	331,527	397,833	464,139	530,444	596,750	28
33	66,3273	132,654	198,982	265,309	331,636	397,964	464,291	530,618	596,946	27
34	66,3491	132,698	199,047	265,396	331,745	398,094	464,443	530,792	597,142	26
35	66,3708	132,741	199,112	265,483	331,854	398,225	464,596	530,967	597,337	25
36	66,3926	132,785	199,177	265,570	331,963	398,355	464,748	531,141	597,533	24
37	66,4143	132,828	199,243	265,657	332,071	398,486	464,900	531,315	597,729	23
38	66,4361	132,872	199,308	265,744	332,180	398,616	465,052	531,489	597,925	22
39	66,4578	132,915	199,373	265,831	332,289	398,747	465,205	531,662	598,120	21
40	66,4795	132,959	199,438	265,918	332,398	398,877	465,357	531,836	598,316	20
41	66,5013	133,002	199,504	266,005	332,506	399,007	465,509	532,010	598,511	19
42	66,5230	133,046	199,569	266,092	332,615	399,138	465,661	532,184	598,707	18
43	66,5447	133,089	199,634	266,179	332,723	399,268	465,813	532,358	598,902	17
44	66,5664	133,133	199,699	266,265	332,832	399,398	465,965	532,531	599,098	16
45	66,5881	133,176	199,764	266,352	332,940	399,529	466,117	532,705	599,293	15
46	66,6098	133,219	199,829	266,439	333,049	399,659	466,269	532,879	599,488	14
47	66,6315	133,263	199,894	266,526	333,157	399,789	466,420	533,052	599,684	13
48	66,6532	133,306	199,959	266,613	333,266	399,919	466,572	533,226	599,879	12
49	66,6749	133,349	200,024	266,699	333,374	400,049	466,724	533,399	600,074	И
50	66,6966	133,393	200,089	266,786	333,483	400,179	466,876	533,572	600,269	10
51	66,7182	133,436	200,154	266,873	333,591	400,309	467,028	533,746	600,464	9
52	66,7399	133,479	200,219	266,959	333,699	400,439	467,179	533,919	600,659	8
53	66,7616	133,523	200,284	267,046	333,808	400,569	467,331	534,092	600,854	7
54	66,7832	133,566	200,349	267,133	333,916	400,699	467,482	534,266	601,049	в
55	66,8049	133,609	200,414	267,219	334,024	400,829	467,634	534,439	601,244	5
56	66,8265	133,653	200,479	267,306	334,132	400,959	467,785	534,612	601,438	4
57	66,8481	133,696	200,544	267,392	334,240	401,089	467,937	534,785	601,633	3
58	66,8698	133,739	200,609	267,479	334,349	401,218	468,088	534,958	601,828	2
59	66,8914	133,782	200,674	267,565	334,457	401,348	468,240	535,131	602,023	1
60	66,9130	133,826	200,739	267,652	334,565	401,478	468,391	535,304	602,217	0
t	100	200	300	400	500	600	700	800	900	/
d	22	43	65	87	108	130	152	174	195	*d*

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мм	00	10	20	30	40	50	60	70	80	90	*Id*	22	43	65	87	108	130	152	174	195
100	67	73	80	87	93	100	107	113	120	127	6	2	4	7	9	11	13	15	17	20
200	133	140	146	153	160	166	173	180	186	193	7	3	5	8	10	13	15	18	20	23
300	200	206	213	220	226	233	240	246	253	260	8	3	6	9	12	14	17	20	23	26
400	266	273	280	286	293	300	306	313	320	326	9	3	7	10	13	16	20	23	26	29
500	333	340	346	353	360	366	373	380	386	393	10	4	7	11	14	18	22	25	29	33
600	400	406	413	420	426	433	439	446	453	459	20	7	14	22	29	36	43	51	58	65
700	466	473	479	486	493	499	506	513	519	526	30	11	22	33	43	54	65	76	87	98
800	533	539	546	553	559	566	573	579	586	593	40	14	29	43	58	72	87	101	116	130
900	599	606	613	619	626	633	639	646	653	659	50	18	36	54	72	90	108	127	145	163

/	100	200	300	400	500	600	700	800	900	*l*
0	74,3144	148,629	222,943	297,258	371,572	445,886	520,201	594,515	668,830	60
1	74,2950	148,590	222,885	297,180	371,475	445,770	520,065	594,360	668,655	59
2	74,2755	148,551	222,826	297,102	371,377	445,653	519,928	594,204	668,479	58
3	74,2560	148,512	222,768	297,02,4	371,280	445,536	519,792	594,048	668,304	57
4	74,2365	148,473	222,709	296,946	371,182	445,419	519,656	593,892	668,129	56
5	74,2170	148,434	222,651	296,868	371,085	445,302	519,519	593,736	667,953	55
6	74,1975	148,395	222,592	296,790	370,988	445,185	519,383	593,580	667,778	54
7	74,1780	148,356	222,534	290,712	370,890	445,068	519,246	593,424	667,602	53
8	74,1585	148,317	222,475	296,634	370,792	444,951	519,110	593,268	667,427	52
9	74,1390	148,278	222,417	296,556	370,695	444,834	518,973	593,112	667,251	51
10	74,1195	148,239	222,358	296,478	370,597	444,717	518,836	592,956	667,075	50
11	74,1000	148,200	222,300	296,400	370,500	444,600	518,700	592,800	666,900	49
12	74,0804	148,161	222,241	296,321	370,402	444,482	518,563	592,643	666,724	48
13	74,0609	148,121	222,182	296,243	370,304	444,365	518,426	592,487	666,548	47
14	74,0413	148,082	222,124	296,165	370,206	444,248	518,289	592,331	666,372	46
15	74,0218	148,043	222,065	296,087	370,109	444,130	518,152	592,174	666,196	45
16	74,0022	148,004	222,006	296,009	370,011	444,013	518,015	592,018	666,020	44
17	73,9826	147,965	221,948	295,930	369,913	443,896	517,878	591,861	665,844	43
18	73,9631	147,926	221,889	295,852	369,815	443,778	517,741	591,704	665,668	42
19	73,9435	147,887	221,830	295,774	369,717	443,661	517,604	591,548	665,491	41
20	73,9239	147,847	221,771	295,695	369,619	443,543	517,467	591,391	665,315	40
21	73,9043	147,808	221,713	295,617	369,521	443,426	517,330	591,234	665,139	39
22	73,8847	147,769	221,654	295,539	369,423	443,308	517,193	591,078	664,962	38
23	73,8651	147,730	221,595	295,460	369,325	443,190	517,056	590,921	664,786	37
24	73,8455	147,691	221,536	295,382	369,227	443,073	516,918	590,764	664,609	36
25	73,8259	147,651	221,477	295,303	369,129	442,955	516,781	590,607	664,433	35
26	73,8063	147,612	221,418	295,225	369,031	442,837	516,644	590,450	664,256	34
27	73,7866	147,573	221,360	295,146	368,933	442,720	516,506	590,293	664,080	33
28	73,7670	147,534	221,301	295,068	368,835	442,602	516,369	590,136	663,903	32
29	73,7473	147,494	221,242	294,989	368,737	442,484	516,231	589,979	663,726	31
30	73,7277	147,455	221,183	294,911	368,638	442,366'	516,094	589,822	663,549	30
/	100	200	300	400	500	600	700	800	900	!
d	20	39	59	78	98	117	137	156	176	*d*

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мм	00	10	20	30	40	50	60	70	80	90	"*Id*	20	39	59	78	98	117	137	156	176
100	74	81	89	96	104	111	118	126	133	141	6	2	4	6	8	10	12	14	16	18
200	148	155	163	170	178	185	192	200	207	215	7	2	5	7	9	11	14	16	18	21
300	222	229	237	244	252	259	266	274	281	289	8	3	5	8	10	13	16	18	21	23
400	296	303	311	318	326	333	341	348	355	363	9	3	6	9	12	15	18	21	23	26
500	370	378	385	392	400	407	415	422	429	437	10	3	7	10	13	16	20	23	26	29
600	444	452	459	466	474	481	489	496	503	511	20	7	13	20	26	33	39	46	52	59
700	518	526	533	540	548	555	563	570	577	585	30	10	20	29	39	49	59	68	78	88
800	592	600	607	614	622	629	637	644	651	659	40	12	26	39	52	65	78	91	104	117
900	666	674	681	688	696	703	711	718	725	733	50	16	33	49	65	82	98	114	130	147

i	100	200	300	400	500	600	700	800	900	'
0	66,9130	133,826	200,739	267,652	334,565	401,478	468,391	535,304	602,217	60
1	66,9346	133,869	200,804	267,738	334,673	401,608	468,542	535,477	602,412	59
2	66,9562	133,912	200,868	267,825	334,781	401,737	468,694	535,650	602,606	58
3	66,9778	133,955	200,933	267,911	334,889	401,867	468,845	535,823	602,801	57
4	66,9994	133,999	200,998	267,998	334,997	401,997	468,996	535,995	602,995	5»
5	67,0210	134,042	201,063	268,084	335,105	402,126	469,147	536,168	603,189	55
6	67,0426	134,085	201,128	268,170	335,213	402,256	469,298	536,341	603,384	54
7	67,0642	134,128	201,192	268,257	335,321	402,385	469,449	536,514	603,578	53
8	67,0858	134,171	201,257	268,343	335,429	402,515	469,600	536,686	603,772	52
9	67,1073	134,214	201,322	268,429	335,537	402,644	469,751	536,859	603,966	51
10	67,1289	134,257	201,386	268,515	335,644	402,773	469,902	537,031	604,160	50
11	67,1505	134,301	201,451	268,602	335,752	402,903	470,053	537,204	604,354	49
12	67,1720	134,344	201,516	268,688	335,860	403,032	470,204	537,376	604,548	48
13	67,1936	134,387	201,580	268,774	335,968	403,161	470,355	537,548	604,742	47
14	67,2151	134,430	201,645	268,860	336,075	403,290	470,506	537,721	604,936	46
15	67,2366	134,473	201,710	268,946	336,183	403,420	470,656	537,893	605,130	45
16	67,2582	134,516	201,774	269,032	336,291	403,549	470,807	538,065	605,323	44
17	67,2797	134,559	201,839	269,119	336,398	403,678	470,958	538,237	605,517	43
18	67,3012	134,602	201,903	269,205	336,506	403,807	471,108	538,410	605,711	42
19	67,3227	134,645	201,968	269,291	336,613	403,936	471,259	538,582	605,904	41
20	67,3442	134,688	202,032	269,377	336,721	404,065	471,409	538,754	606,098	40
21	67,3657	134,731	202,097	269,463	336,828	404,194	471,560	538,926	606,292	39
22	67,3872	134,774	202,161	269,549	336,936	404,323	471,710	539,098	606,485	38
23	67,4087	134,817	202,226	269,635	337,043	404,452	471,861	539,270	606,678	37
24	67,4302	134,860	202,290	269,721	337,151	404,581	472,011	539,441	606,872	36
25	67,4517	134,903	202,355	269,806	337,258	404,710	472,162	539,613	607,065	35
26	67,4731	134,946	202,419	269,892	337,366	404,839	472,312	539,785	607,258	34
27	67,4946	134,989	202,484	269,978	337,473	404,968	472,462	539,957	607,451	33
28	67,5161	135,032	202,548	270,064	337,580	.405,096	472,612	540,128	607,645	32
29	67,5375	135,075	202,612	270,150	337,687	405,225	472,763	540,300	607,838	31
30	67,5590	135,118	202,677	270,236	337,795	405,354	472,913	540,472	608,031	30
$	100	200	300	400	500	600	700	800	900	'
d	22	43	65	86	108	129	151	172	194	*d*

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мм	00	10	20	30	40	50	60	70	80	90
100	67	74	• 81	87	94	101	108	114	121	128
200	134	141	148	155	161	168	175	182	188	195
300	202	208	215	222	229	235	242	249	255	262
400	269	276	282	289	296	303	309	316	323	329
500	336	343	350	356	363	370	377	383	390	397
600	403	410	417	424	430	437	444	450	457	464
700	471	477	484	491	498	504	511	518	524	531
800	538	545	551	558	565	572	578	585	592	598
900	605	612	619	625	632	639	645	652	659	666

4d	22	43	65	86	108	129	151	172	194
6	2	4	6	9	11	13	15	17	19
7	3	5	8	10	13	15	18	20	23
8	3	6	9	11	14	17	2П	23	26
9	3	6	10	13	16	19	23	26	29
10	4	7	11	14	18	?,?,	яя	29	а?
20	7	14	22	?,9	36	43	50	57	65
30	11	22	32	43	54	65	75	8«	97
40	14	29	43	57	72	86	100	115	129
50	18	36	54	72	90	108	125	143	161

'	100	200	300	400	500	600	700	800	900	'
30	73,7277	147,455	221,183	294,911	368,638	442,366	516,094	589,821	663,549	30
31	73,7080	147,416	221,124	294,832	368,540	442,248	515,956	589,664	663,372	29
32	73,0884	147,376	221,065	294,753	368,442	442,130	515,819	589,507	663,195	28
33	73,6687	147,337	221,006	294,675	368,343	442,012	515,681	589,350	663,018	27
34	73,0490	147,298	220,947	294,596	368,245	441,894	515,543	589,192	662,841	26
35	73,6294	147,258	220,888	294,517	368,147	441,776	515,405	589,035	662,664	25
36	73,0097	147,219	220,829	294,438	368,048	441,658	515,268	588,877	662,487	24
37	73,5900	147,180	220,770	294,360	367,950	441,540	515,130	588,720	662,310	23
38	73,5703	147,140	220,711	294,281	367,851	441,422	514,992	588,562	662,132	22
39	73,5506	147,101	220,651	294,202	367,753	441,303	514,854	588,404	661,955	21
40	73,5309	147,061	220,592	294,123	367,654	441,185	514,716	588,247	661,778	20
41	73,5111	147,022	220,533	294,044	367,556	441,067	514,578	588,089	661,600	19
42	73,4914	146,983	220,474	293,965	367,457	440,948	514,440	587,931	661,423	18
43	73,4717	146,943	220,415	293,887	367,358	440,830	514,302	587,773	661,245	17
44	73,4520	146,904	220,356	293,808	367,260	440,712	514,164	587,616	661,068	16
45	73,4322	146,864	220,296	293,729	367,161	440,593	514,025	587,458	660,890	15
46	73,4125	146,825	220,237	293,650	367,062	440,475	513,887	587,300	660,712	14
47	73,3927	146,785	220,178	293,571	366,963	440,356	513,749	587,142	660,534	13
48	73,3729	146,746	220,119	293,492	366,865	440,238	513,611	586,984	660,356	12
49	73,3532	146,706	220,059	293,412	366,766	440,119	513,472	586,825	660,179	11
50	73,3334	146,666	220,000	293,333	366,667	440,000	513,334	586,667	660,001	10
51	73,3136	146,627	219,941	293,254	366,568	439,882	513,195	586,509	659,823	9
52	73,2938	146,587	219,881	293,175	366,469	439,763	513,057	586,351	659.645	8
53	73,2741	146,548	219,822	293,096	366,370	439,644	512,918	586,192	659,466	7
54	73,2543	146,508	219,762	293,017	366,271	439,525	512,780	586,034	659,288	6
55	73,2344	146,469	219,703	292,938	366,172	439,407	512,641	585,876	659,110	5
56	73,2146	146,429	219,644	292,858	366,073	439,288	512,502	585,717	658,932	4
57	73,1948	146,389	219,584	292,779	365,974	439,169	512,364	585,558	658,753	3
58	73,1750	146,350	219,525	292,700	365,875	439,050	512,225	585,400	658,575	2
59	73,1552	146,310	219,465	292,620	365,776	438,931	512,086	585,241	658,396	1
eo	73,1353	146,270	219,406	292,541	365,676	438,812	511,947	585,083	658,218	0
'	100	200	300	400	500	600	700	800	900	•
d	20	40	59	79	99	118	138	158	178	*d*

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	00	10	20	30	40	50	60	70	80	90	"Id	20	40	59	79	99	118	138	158	178
100	73	81	88	95	103	HO	117	125	132	140	6	2	4	6	8	10	12	14	16	18
200	147	154	162	169	176	184	191	198	206	213	7	2	5	7	9	12	14	16	18	21
300	220	228	235	242	250	257	264	272	279	286	8	3	5	8	11	13	16	18	21	24
400	294	301	308	316	323	330	338	345	352	360	9	3	6	9	12	15	18	21.	24	27
500	367	375	382	389	397	404	411	419	426	433	10	3	7	10	13	16	20	23	26	30
600	441	448	455	463	470	477	485	492	499	507	20	7	13	20	26	33	39	46	53	59
700	514	521	529	536	543	551	558	565	573	580	30	10	20	30	39	49	59	69	79	89
800	587	595	602	609	617	624	632	639	646	654	40	13	26	39	53	66	79	92	105	118
COO	661	668	676	683	690	698	705	712	720	727	50	16	33	49	66	82	99	115	132	148

θ	100	200	300	400	500	600	700	800	900	f
30	67,5590	135,118	202,677	270,236	337,795	405,354	472,913	540,472	608,031	30
31	67,5804	135,161	202,741	270,321	337,902	405,482	473,063	540,643	608,224	29
32	67,6019	135,203	202,805	270,407	338,009	405,611	473,213	540,815	608,417	28
33	67,6233	135,246	202,870	270,493	338,116	405,740	473,363	540,986	608,610	27
34	67,6447	135,289	202,934	270,579	338,223	405,868	473,513	541,158	608,802	26
35	67,6661	135,332	202,998	270,664	338,331	405,997	473,663	541,329	608,995	25
36	67,6876	135,375	203,062	270,750	338,438	406,125	473,813	541,500	609,188	24
37	67,7090	135,418	203,127	270,836	338,545	406,254	473,963	541,672	609,381	23
38	67,7304	135,460	203,191	270,921	338,652	406,382	474,112	541,843	609,573	22
39	67,7518	135,503	203,255	271,007	338,759	406,510	474,262	542,014	609,760	21
40	67,7732	135,546	203,319	271,092	338,866	406,639	474,412	542,185	609,953	20
41	67,7945	135,589	203,383	271,178	338,973	406,767	474,562	542,350	610,151	19
42	67,8159	135,632	203,447	271,263	339,079	406,895	474,711	542,527	610,343	18
43	67,8373	135,674	203,512	271,349	339,186	407,024	474,861	542,698	610,536	17
44	67,8587	135,717	203,576	271,434	339,293	407,152	475,011	542,869	610,728	16
45	67,8800	135,760	203,640	271,520	339,400	407,280	475,160	543,040	010,920	15
46	67,9014	135,802	203,704	271,605	339,507	407,408	475,310	543,211	611,112	14
47	67,9227	135,845	203,768	271,691	339,614	407,536	475,459	543,382	611,305	13
48	67,9441	135,888	203,832	271,776	339,720	407,664	475,609	543,553	611,497	12
49	67,9654	135,931	203,896	271,861	339,827	407,792	475,758	543,723	611,689	11
50	67,9868	135.973	203,960	271,947	339,934	407,920	475,907	543,894	611,881	10
51	68,0081	136,016	204,024	272,032	340,040	408,048	476,057	544,065	612,073	9
52	68,0294	136,059	204,088	272,117	340,147	408,176	476,200	544,235	612,265	8
53	68,0507	136,101	204,152	272,203	340,253	408,304	476,355	544,406	612,457	7
54	68,0720	136,144	204,216	272,288	340,360	408,432	476,504	544,576	01ü,648	6
55	68,0934	136,186	204,280	272,373	340,467	408,560	476,653	544,747	612,840	5
56	68,1146	136,229	204,344	272,458	340,573	408,688	476,802	544,917	613,032	4
57	68,1359	136,272	204,408	272,544	340,680	408,816	476,951	545,087	613,223	3
58	68,1572	136,314	204,471	272,629	340,786	408,943	477,101	545,258	613,415	2
59¡	68,1785	136,357	204,535	272,714	340,892	409,071	477,249	545,428	613,607	1
60	68,1998	136,399	204,599	272,799	340,999	409,199	477,398	545,593	613,798	0
l	100	200	300	400	500	600	700	800	900	l
d	21	43	64	85	107	128	150	171	192	d

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uu	00	10	20	.30	40	50	60	70	80	90
100	68	75	81	88	95	102	109	115	122	129
200	136	143	149	156	163	170	176	183	190	197
300	204	210	217	224	231	238	244	251	258	265
400	272	278	285	292	299	305	312	319	326	333
500	339	346	353	360	367	373	380	387	394	400
600	407	414	421	428	434	441	448	455	46Я	468
700	475	482	489	496	502	509	516	523	529	536
800	543	550	557	563	570	577	584	591	597	604
900	611	618	624	631	638	645	652	658	665	672

•¡d	21	43	64	85	107	128	150	171	192
6	2	4	6	9	11	13	15	17	19
7	2	5	7	10	12	15	17	20	22
8	3	6	9	11	14	17	20	23	26
9	3	6	10	13	16	19	22	26	29
10	4	7	11	14	18	21	25	28	32
20	7	14	21	28	36	43	50	57	64
30	11	21	32	43	53	64	75	85	96
40	14	28	43	57	71	85	100	114	128
50	18	36	53	71	89	107	125	142	ICO

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t	100	200	300	400	500	600	700	800	900	t
0	73,1353	146,270	219,406	292,541	365,676	438,812	511,947	585,083	658,218	60
1	73,1155	146,231	219,346	292,462	365,577	438,693	511,808	584,924	658,039	59
2	73,0956	146,191	219,287	292,382	365,478	438,574	511,669	584,765	657,861	58
3	73,0758	146,151	219,227	292,303	365,379	438,455	511,530	584,606	657,682	57
4	73,0559	146,112	219,167	292,223	365,279	438,335	511,391	584,447	657,503	56
5	73,0361	146,072	219,108	292,144	365,180	438,216	511,252	584,288	657,324	55
6	73,0162	146,032	219,048	292,065	365,081	438,097	511,113	584,129	657,146	54
7	72,9963	145,992	218,989	291,985	364,981	437,978	510,974	583,970	656,967	53
8	72,9764	145,953	218,929	291,905	364,882	437,858	510,835	583,811	656,788	52
9	72,9565	145,913	218,869	291,826	364,782	437,739	510,696	583,652	656,609	51
10	72,9366	145,873	218,810	291,746	364,683	437,620	510,556	583,493	656,430	50
И	72,9167	145,833	218,750	291,667	364,583	437,500	510,417	583,334	656,251	49
12	72,8968	145,793	218,690	291,587	364,484	437,381	510,278	583,175	656,071	48
13	72,8769	145,753	218,630	291,507	364,384	437,261	510,138	583,015	655,892	47
14	72,8570	145,714	218,571	291,428	364,285	437,142	509,999	582,856	655,713	46
15	72,8371	145,674	218,511	291,348	364,185	437,022	509,859	582,696	655,533	45
16	72,8171	145,634	218,451	291,268	364,085	436,903	509,720	582,537	655,354	44
17	72,7972	145,594	218,391	291,188	363,986	436,783	509,580	582,377	655,175	43
18	72,7772	145,554	218,331	291,109	363,886	436,663	509,441	582,218	654,995	42
19	72,7573	145,514	218,272	291,029	363,786	436,544	509,301	582,058	654,816	41
20	72,7373	145,474	218,212	290,949	363,686	436,424	509,161	581,899	654,636	40
21	72,7174	145,434	218,152	290,869	363,587	436,304	509,021	581,739	654,456	39
22	72,6974	145,394	218,092	290,789	363,487	436,184	508,882	581,579	654,276	38
23	72,6774	145,355	218,032	290,709	363,387	436,064	508,742	581,419	654.097	37
24	72,6574	145,315	217,972	290,629	363,287	435,944	508,602	581,259	653,917	36
25	72,6374	145,275	217,912	290,550	363,187	435,824	508,462	581,099	653,737	35
26	72,6174	145,235	217,852	290,470	363,087	435,705	508,322	580,939	653,557	34
27	72,5974	145,195	217,792	290,390	362,987	435,584	508,182	580,779	653,377	33
28	72,5774	145,155	217,732	290,310	362,887	435,464	508,042	580,619	653,107	32
29	72,5574	145,115	217,672	290,229	362,787	435,344	507,902	580,459	653,017	31
30	72,5374	145,074	217,612	290,149	362,687	435,224	507,762	580,299	652,837	30
'	100	200	300	400	500	600	700	800	900	'
d	20	40	60	80	100	120	140	160	179	*d*

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-313- Дg 46° sin 226“—

мм	00	10	20	30	40	50	60	70	80	90	'/d	20	40	60	80	100	120	140	160	179
100	73	80	87	95	102	109	117	124	131	138	6	2	4	6	8	10	12	14	16	18
200	146	153	160	168	175	182	189	197	204	211	7	2	5	7	9	12	14	16	19	21
300	219	226	233	240	248	255	262	269	277	284	8	3	5	8	11	13	16	19	21	24
400	291	299	306	313	320	328	335	342	350	357	9	3	6	9	12	15	18	21	24	27
500	364	371	379	386	393	401	408	415	422	430	10	3	7	10	13	17	20	23	27	30
600	437	444	452	459	466	473	481	488	495	503	20	7	13	20	27	33	40	47	53	60
700	510	517	524	532	539	546	554	561	568	575	30	10	20	30	40	50	60	70	80	90
800	583	590	597	605	612	619	626	634	641	648	40	13	27	40	53	66	80	93	106	120
900	656	663	670	677	685	692	699	707	714	721	50	17	33	50	66	83	100	116	133	150

-	100	200	300	400	500	600	700	800	900	!
0	68,1998	136,399	204,599	272,799	340,999	409,199	477,398	545,598	613,798	60
1	68,2211	136,442	204,663	272,884	341,105	409,326	477,547	545,768	613,990	59
2	68,2423	136,484	204,727	272,969	341,211	409,454	477,696	545,936	614,181	58
3	68,2636	136,527	204,791	273,054	341,318	409,581	477,845	546,109	614,372	57
4	68,2848	136,569	204,854	273,139	341,424	409,709	477,994	546,279	614,564	56
5	68,3061	136,612	204,918	273,224	341,530	409,836	• 478,143	546,449	614,755	55
6	68,3273	136,654	204,982	273,309	341,636	409.964	478,291	546,619	614,946	54
7	68,3486	136,697	205,045	273,394	341,743	410,091	478,440	546,789	615,137	53
8	68,3698	136,739	205,109	273,479	341,849	410,219	478,589	546,958	615,328	52
9	68,3910	136,782	205,173	273,564	341,955	410,346	478,737	547,128	615,519	51
10	68,4122	136,824	205,236	273,649	342,061	410,473	478,886	547,298	615,710	50
11	68,4335	136,867	205,300	273,734	342,167	410,601	479,034	547,468	615,901	49
12	68,4547	136,909	205,364	273,818	342,273	410,728	479,183	547,637	616,092	48
13	68,4759	136,951	205,427	273,903	342,379	410,855	479,331	547,807	616,283	47
14	68,4971	136,994	205,491	273,988	342,485	410,982	479,479	547,976	616,474	46
15	68,5183	137,036	205,554	274,073	, 342,591	411,109	479,628	548,146	616,664	45
.16	68,5394	137,079	205,618	274,158	342,697	411,236	479,776	548,315	616,855	44
17	68,5606	137,121	205,682	274,242	342,803	411,364	479,924	548,485	617,046	43
18	68,5818	137,163	205,745	274,327	342,909	411,491	480,072	548,654	617,236	42
19	68,6030	137,206	205,809	274,412	343,015	411,618	480,221	548,824	617,427	41
20	68,6241	137,248	205,872	274,496	3^3,120	411,745	480,369	548,993	617,617	40
21	68,6453	137,290	205,936	274,581	343,226	411,872	480,517	549,162	617,807	39
22	68,6664	137,333	205,999	274,665	343,332	411,998	480,665	549,331	617,998	38
23	68,6876	137,375	206,062	274,750	343,438	412,125	480,813	549,500	618,188	37
24	68,7087	137,417	206,126	274,835	343,543	412,252	480,961	549,670	618,378	36
25	68,7298	137,459	206,189	274,919	343,649	412,379	481,109	549,839	618,569	35
26	68,7510	137,502	206,253	275,004	343,755	412,506	481,257	550,008	618,759	34
27	68,7721	137,544	206,316	275,088	343,860	412,632	481,404	550,177	618,949	33
28	68,7932	137,586	206,379	275,173	343,966	412,759	481,552	550,346	619,139	32
29	68,8143	137,628	206,443	275,257	344,071	412,886	481,700	550,514	619,329	31
30	68,8354	137,671	206,506	275,341	344,177	413,012	481,848	550,683	619,519	30

	100	200	300	400	500	600	700	800	900	/
d 21	42	64	85	106	127	148	169	191		*d*

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мм	00	10	20	30	40	50	60	70	8090
100	69	75	82	89	96	103	110	116	123130
200	137	144	151	158	164	171	178	185	192199
300	206	212	219	226	233	240	247	254	260267
400	274	281	288	295	301	308	315	322	329336
500	343	349	356	363	370	377	384	391	397404
600	411	418	425	432	439	445	452	459	466473
700	480	486	493	500	507	514	521	528	534541
800	548	555	562	569	576	582	589	596	603610
900	617	624	630	637	644	651	658	665	671678

Id	21	42	64	85	106	127	148	169	191
6	*г*	4	6	8	11	13	15	17	19
7	2	5	7	10	12	15	17	20	22
8	a	fi	8	11	14	17	20	23	2b
9	3	6	10	13	16	19	22	25	29
10	4	7	11	14	18	21	25	28	32
zn	7	14	21	28	35	42	4»	56	64
30	11	21	32	42	53	64	74	85	95
40	14	28	42	56	71	85	99	113	127
50	18	35	53	71	88	106	124	141	159

/	100	200	300	400	500	600	700	800	900	<
30	72,5374	145,074	217,612	290,149	362,687	435,224	507,762	580,299	652,837	30
31	72,5174	145,034	217,552	290,069	362,587	435,104	507,621	580,139	652,656	29
32	72,4973	144,994	217,492	289,989	362,486	434,984	507,481	579,979	652,476	28
33	72,4773	144,954	217,432	289,909	362,386	434,864	507,341	579,818	652,2^6	27
34	72,4573	144,914	217,371	289,829	362,286	434,743	507,201	579,658	652,115	26
35	72,4372	144,874	217,311	289,749	362,186	434,623	507,060	579,498	651,935	25
36	72,4171	144,834	217,251	289,668	362,086	434,503	506,920	579,377	651,754	24
37	72,3971	144,794	217,191	289,588	361,985	434,382	506,779	579,177	651,574	23
38	72,3770	144,754	217,131	289,508	361,885	434,262	506,639	579,016	651,393	22
39	72,3569	144,714	217,071	289,428	361,784	434,141	506,498	578,855	651,212	21
40	72,3369	144,673	217,010	289,347	361,684	434,021	506,358	578,695	651,032	20
41	72,3168	144,633	216,950	289,267	361,584	433,900	506,217	578,534	650,851	19
42	72,2967	144,593	216,890	289,186	361,483	433,780	506,077	578,373	650,670	18
43	72,2766	144,553	216,829	289,106	361,383	433,659	505,936	578,213	650,489	17
44	72,2565	144,513	216,769	289,026	361,282	433,539	505,795	578,052	650,308	16
45	72,2364	144,472	216,709	288,945	361,182	433,418	505,654	577,891	650,127	15
46	72,2162	144,432	216,648	288,865	361,081	433,297	505,514	577,730	649,946	14
47	72,1961	144,392	216,588	288,784	360,980	433,177	505,373	577,569	649,765	13
48	72,1760	144,352	216,528	288,704	360,880	433,056	505,232	577,408	649,584	12
49	72,1558	144,311	216,467	288,623	360,779	432,935	505,091	577,247	649,403	11
50	72,1357	144,271	216,407	288,543	360,678	432,814	504,950	577,086	649,221	10
51	72,1156	144,231	216,346	' 288,462	360,578	432,693	504,809	576,924	649,040	9
52	72,0954	144,190	216,286	288,381	360,477	432,572	504,668	576,763	648,859	8
53	72,0752	144,150	216,225	288,301	360,376	432,451	504,527	576,602	648,677	7
54	72,0551	144,110	216,165	288,220	■360,275	432,330	504,385	576,441	648,496	6
55	72,0349	144,069	216,104	288,139	360,174	432,209	504,244	576,279	648,314	5
56	72,0147	144,029	216,044	288,059	360,073	432,088	504,103	576,118	648,132	4
57	71,9945'	143,989	215,983	287,978	359,972	431,967	503,962	575,956	647,951	3
58	71,9743	143,948	215,923	287,897	359,872	431,846	503,820	575,795	647,769	2
59	71,9541	143,908	215,862	287,816	359,771	431 725	503,679	575,633	647,587	1
60	71,9339	143,868	215,802	287,736	359,670	431,604	503,537	575,471	647,405	0

/	100	200	300	400	500	600	700	800	900	'
d	20	40	60	80	101	121	141	161	1S1	*d*

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MM	00 10	20 30	40 50	60 70	80 90	'/*d* 20	40 60	80 101 121 141 161 18
100	72 79	87 94 101 108 :		116 123 130 137		6 2	4 6	8 10 12 14 16 1
200	144 152 159 166 173 181 :			188 195 202 209		7 2	5 7	9 12 14 16 19 2
300	217 224 231 238 246 253 :			260 267 274 282		8 3	5 8	11 13 16 19 21 2
400	289 296 303 311 318 325 ;			332 340 347 354		9 3	6 9	12 15 18 21 24 2
500	361 368 376 383 390 397 ■			405 412 419 426		10 3	7 10	13 17 20 23 27 3
600	433 441 448 455 462 470 ■			477 484 491 498		20 7	13 20	27 34 40 47 54 6
700	506 513 520 527 535 542 !			549 556 563 571		30 10	20 30	40 50 60 70 81 »
800	578 585 592 600 607 614 l			521 628 636 643		40 13	27 40	54 67 81 94 107 12
900	650 657 665 672 679 686 I			893 701 708 715		50 17	34 50	67 84 101 117 134 15

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-	100	200	300	400	500	600	700	800	900	■
30	68,8354	137,671	206,506	275,341	344,177	413,012	481,848	550,683	619,519	30
31	68,8565	137,713	206,569	275,426	344,282	413,139	481,995	550,852	619,709	29
32	68,8776	137,755	206,633	275,510	344,388	413,265	482,143	551,021	619,898	28
33	68,8987	137,797	206,696	275,595	344,493	413,392	482,291	551,189	620,088	27
34	06,9198	137,839	206,759	275,679	344,599	413,518	482,438	551,358	620,278	26
35	68,9408	137,881	206,822	275,763	344,704	413,645	482,586	551,527	620,468	25
36	68,9619	137,924	206,885	275,847	344,809	413,771	482,733	551,695	620,657	24
37	68,9830	137,966	206,949	275,932	344,915	413,898	482,881	551,864	620,847	23
38	69,0040	138,008	207,012	276,016	345,020	414,024	483,028	552,032	621,036	22
39	69,0251	138,050	207,075	276,100	345,125	414,150	483,175	552,201	621,226	21
40	69,0461	138,092	207,138	276,184	345,230	414,277	483,323	552,369	621,415	20
41	69,0672	138,134	207,201	276,268	345,336	414,403	483,470	552,537	621,604	19
42	69,0882	138,176	207,264	276,353	345,441	414,529	483;617	552,706	621,794	18
43	69,1092	138,218	207,327	276,437	345,546	414,655	483,764	552,874	621,983	17
44	69,1302	138,260	207,390	276,521	345,651	414,781	483,912	553,042	622,172	16
45	69,1513	138,302	207,454	276,605	345,756	414,907	484,059	553,210	622,361	15
46	69,1723	138,344	207,517	276,689	345,861	415,033	484,206	553,378	622,550	14
47	69,1933	138,386	207,580	276,773	345,966	415,160	484,353	553,546	622,739	13
48	69,2143	138,428	207,643	276,857	346,071	415,285	484,500	553,714	622,928	12
49	69,2353	138,470	207,706	276,941	346,176	415,411	484,647	553,882	623,117	11
50	69,2563	138,512	207,768	277,025	346,281	415,537	484,794	554,050	623,306	10
51	69,2772	138,554	207,831	277,109	346,386	415,663	484,941	554,218	623,495	9
52	69,2982	138,596	207,894	277,193	346,491	415,789	485,087	554,386	623,684	8
53	69,3192	138,638	207,957	277,276	346,596	415,915	485,234	554,553	623,873	7
54	69,3401	138,680	208,020	277,360	346,701	416,041	485,381	554,721	624,061	6
55	69,3611	138,722	208,083	277,444	346,805	416,166	48^,528	554,889	624,250	5
56	69,3820	138,764	208,146	277,528	346,910	416,292	485,674	555,056	624,438	4
57	69,4030	138,806	208,209	277,612	347,015	416,418	485,821	555,224	624,627	3
58	69,4239	138,848	208,272	277,695	347,119	416,543	485,967	555,391	624,815	2
59	69,4449	138,889	208,334	277,779	347,224	416,669	486,114	555,559	625,004	1
60	69,4658	138,931	208,397	277,863	347,329	416,795	486,260	555,726	625,192	0
0	100	200	300	400	500	600	700	800	900	*/*
à	21	42	63	84	105	126	147	168	189	*d*

—133° +313° 46° eos 46°-t- 226°—

MU	00	10	20	30	40	50	60	70	80	90	*4d* 21	42	63	84	105	126	*λ ⊤	168	189
100	69	76	83	90	97	104	111	118	124	131	6	2	4	6	8	10	13	15	17	19
?00	138	145	152	159	166	173	180	187	194	201	7	2	5	7	10	12	15	17	20	22
300	207	214	221	228	235	242	249	256	263	270	8	3	6	8	11	14	17	20	22	25
400	277	284	290	297	304	311	318	325	332	339	9	3	6	9	13	16	19	22	25	28
500	346	353	360	367	373	380	387	394	401	408	10	3	7	10	14	18	21	24	28	32
600	415	422	429	436	443	449	456	463	470	477	20	V	14	21	28	35	42	49	56	63
700	484	491	498	505	512	519	526	532	539	546	30	11	21	32	42	52	<i3	74	84	У4г
800	553	560	567	574	581	588	595	602	609	615	40	14	28	42	56	70	84	98	112	126
900	622	629	636	643	650	657	664	671	678	685	50	18	35	52	70	88	105	122	140	158

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i	100	200	300	400	500	600	1 700	800	900	>
0	71,9339	143,868	215,802	287,736	359,669	431,603	503,537	575,471	647,405	60
1	71,9137	143,827	215,741	287,655	359,568	431,482	503,396	575,310	647,224	59
2	71,8935	143,787	215,680	287,574	359,467	431,361	503,254	575,148	647,042	58
3	71,8733	143,746	215,620	287,493	359,366	431,240	503,113	574,986	646,860	57
4	71,8531	143,706	215,559	287,412	359,265	431,118	502,971	574,824	646,678	56
5	71,8328	143,665	215,498	287,331	359,164	430,997	502,830	574,663	646,495	55
6	71,8126	143,625	215,437	287,250	359,063	430,875	502,688	574,501	646,313	54
7	71,7923	143,584	215,377	287,169	358,962	430,754	502,546	574,339	646,131	53
8	71,7721	143,544	215,316	287,088	358,860	430,632	502,405	574,177	645,949	52
9	71,7518	143,503	215,255	287,007	358,759	430,511	502,263	574,015	645,766	51
10	71,7316	143,463	215,194	286,926	358,658	430,389	502,121	573,852	645,584	50
11	71,7113	143,422	215,134	286,845	358,556	430,268	501,979	573,690	645,402	49
12	71,6910	143,382	215,073	286,764	358,455	430,146	501,837	573,528	645,219	48
13	71,6707	143,341	215,012	286,683	358,353	430,024	501,695	473,366	645,037	47
14	71,6504	143,301	214,951	286,602	358,252	429,903	501,553	'573,204	644,854	46
15	71,6302	143,260	214,890	286,520	358,151	429,781	501,411	573,041	644,671	45
16	71,6099	143,219	214,829	286,439	358,049	429,659	501,269	572,879	644,489	44
17	71,5895	143,179	214,768	286,358	357,948	429,537	501,127	572,716	644,306	43
18	71,5692	143,138	214,707	286,277	357,846	429,415	500,985	572,554	644,123	42
19	71,5489	143,098	214,646	286,195	357,744	429,293	500,842	572,391	643,940	41
20	71,5286	143,057	214,585	286,114	357,643	429,171	500,700	572,229	643,757	40
21	71,5083	143,016	214,524	286,033	357,541	429,049	500,558	572,066	643,574	39
22	71,4879	142,976	214,463	285,951	357,439	428,927	500,415	571,903	643,391	38
23	71,4676	• 142,935	214,402	285,870	357,338	428,805	500,273	571,741	643,208	37
24	71,4472	142,894	214,341	285,789	357,236	428,683	500,130	571,578	643,025	36
25	71,4269	142,853	214,280	285,707	357,134	428,561	499,988	571,415	642,842	35
26	71,4065	142,813	214,219	285,626	357,032	428,439	499,845	571,252	642,659	34
27	71,3861	142,772	214,158	285,544	356,931	428,317	499,703	571,089	642,475	33
28	71,3658	142,731	214,097	285,463	356,829	428,194	499,560	570,926	642,292	32
29	71,3454	142,690	214,036	285,381	356,727	428,072	499,418	570,763	642,109	31
30	71,3250	142,650	213,975	285,300	356,625	427,950	499,275	570,600	641,925	30

!	100	200	300	400	500	600	700	800	900	'
d	20	41	61	81	102	122	142	162	183	d

+134° 45°+
—314° A» 45° sin 225°—

MM	00	10	20	30	40	50	60	70	80	90
100	72	79	86	93	100	107	115	122	129	136
200	143	150	158	165	172	179	186	193	201	208
300	215	222	229	236	244	251	258	265	272	279
400	287	294	301	308	315	322	329	337	344	351
500	358	365	372	380	387	394	401	408	415	423
600	430	437	444	451	458	466	473	480	487	494
700	501	509	516	523	530	537	544	552	559	566
800	573	580	587	595	602	609	616	623	630	638
900	645	652	659	666	673	680	688	695	702	709

"H	20	41	61	81	102	122	142	162	183
6	2	4	6	8	10	12	14	16	18
7	2	5	7	9	12	14	17	19	21
8	3	5	8	11	14	16	19	22	24
9	3	6	9	12	15	18	21	24	27
10	3	7	10	14	17	20	21	27	30
20	7	14	20	27	34	41	47	54	61
30	10	20	30	41	51	61	71	81	91
40	14	27	41	54	68	81	95	108	122
50	17	34	51	68	85	102	118	135	152

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! f	100	200	300	400	500	600	700	800	900	/
0	69,4658	138,931	208,397	277,863	347,329	416,795	486,260	555,726	625,192	60
1	09,4807	138,973	208,460	277,947	347,433	416,920	486,407	555,894	625,380	59
2	69,5076	139,015	208,523	278,030	347,538	417,046	486,553	556,061	625,569	58
3	69,5285	139,057	208,585	278,114	347,643	417,171	486,700	556,228	625,757	57
4	69,5495	139,099	208,648	278,198	347,747	417,297	486,846	556,396	625,945	56
5	69,5703	139,140	208,711	278,281	347,852	417,422	486,992	556,563	626,133	55
6	69,5912	139,182	208,773	278,365	347,956	417,547	487,139	556,730	626,321	54
7	69,6121	139,224	208,836	278,448	348,060	417,673	487,285	556,897	626,509	53
8	69,6330	139,266	208,899	278,532	348,165	417,798	487,431	557,064	626,697	52
9	69,0539	139,307	208,961	278,615	348,269	417,923	487,577	557,231	626,885	51
10	69,6747	139,349	209,024	278,699	348,374	418,048	487,723	557,398	627,073	50
И	69,6956	139,391	209,087	278,782	348,478	418,174	487,869	557,565	627,260	49
12	69,7165	139,433	209,149	278,866	348,582	418,299	488,015	557,732	627,448	48
13	69,7373	139,474	209,212	278,949	348,686	418,424	488,161	557,898	627,636	47
14	69,7582	139,516	209,274	279,032	348,791	418,549	488,307	558,065	627,823	46
15	69,7790	139,558	209,337	279,116	348,895	418,674	488,453	558,232	628,011	45
16	69,7998	139,599	209,399	279,199	348,999	418,799	488,599	558,399	628,199	44
17	69,8207	139,641	209,462	279,282	349,103	418,924	488,745	558,565	628,386	43
18	69,8415	139,683	209,524	279,366	349,207	419,049	488,890	558,732	628,573	42
19	69,8623	139,724	209,587	279,449	349,311	419,174	489,036	558,898	628,761	41
20	69,8831	139,766	209,649	279,532	349,415	419,299	489,182	559,065	628,948	40
21	69,9039	139,808	209,711	279,615	349,519	419,423	489,327	559,231	629,135	39
22	69,9247	139,849	209,774	279,699	349,623	419,548	489,473	559,398	629,322	38
23	69,9455	139,891	209,836	279,782	349,727	419,673	489,618	559.564	029,510	37
24	69,9663	139,932	209,899	279,865	349,831	419,798	489,764	559,730	629,697	36
25	69,9871	139,974	209,961	279,948	349,935	419,922	489,909	S59.896	629,884	35
26	70,0078	140,015	210,023	280,031	350,039	420,047	490,055	560,063	630.071	34
27	70,0286	140,057	210,086	280,114	350,143	420,172	490,200	560.229	630,257	33
28	70,0494	140,098	210,148	280,197	350,247	420,296	490,346	560.395	630,444	32
29	70,0701	140,140	210,210	280,280	.350,350	420,421	490,49Ї	560,561	630,631	31
30	70,0909	140,181	210,272	280,363	350,454	420,545	490,636	560,727	630,818	30

t	400	200	300	400	500	600	700	800	900	/
d	21	42	62	83	104	125	146	167	187	*d*

—134°
+314“ &x 45° eos 45°+
225°—

MM	00	10	20	30	40	50	60	70	80	90
100	70	77	84	91	98	105	112	119	126	133
200	140	147	154	160	167	174	181	188	195	202
300	209	216	223	230	237	244	251	258	265	272
400	279	286	293	300	307	314	321	328	335	342
500	349	356	363	370	377	384	391	398	405	412
600	419	426	433	440	447	454	461	468	474	481
700	488	495	502	509	516	523	530	537	544	551
800	558	565	572	579	586	593	600	607	614	621
900	628	635	642	649	656	663	670	677	684	691

"ід	21	42	62	83	104	125	146	167	187
6	2	4	6	8	10	12	15	17	19
7	2	5	7	10	12	15	17	19	22
8	3	6	8	11	14	17	19	22	25
9	3	6	9	12	16	19	22	25	28
10	3	7	10	14	17	21	24	28	31
20	7	14	21	28	35	42	49	58	62
30	10	21	31	42	52	62	73	83	94
40	14	28	42	56	69	83	97	111	125
50	17	35	52	69	87	104	121	139	15S

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1	100	200	300	400	500	600	700	800	900	------!~ *9*
30	71,3250	142,650	213,975	285,300	356,625	427,950	499,275	570,600	641,925	*30*
31	71,3046	142,609	213,914	285,218	356,523	427,828	499,132	570,437	641,741	29
32	71,2842	142,568	213,852	285,137	356,421	427,705	498,989	570,274	641,558	28
33	71,2638	142,527	213,791	285,055	356,319	427,583	498,847	570,110	641,374	27
34	71,2434	142,486	213,730	284,973	356,217	427,460	498,704	569,947	641,191	26
35-	71,2230	142,446	213,669	284,892	356,115	427,338	498,561	569,784	641,007	25
36	71,2026	142,405	213,607	284,810	356,013	427,215	498,418	569,620	640,823	24
37	71,1821	142,364	213,546	284,728	355,910	427,093	498,275	569,457	640,639	23
38	71,1017	142,323	213,485	284,647	355,808	426,970	498,132	569,294	640,455	22
39	71,1413.	142,282	213,424	284,565	355,706	426,847	497,989	569,130	640,271	21
40	71,1208	142,241	213,362	284,483	355,604	426,725	497,846	568,966	640,087	20
41	71,1004	142,200	213,301	284,401	355,502	426,602	497,702	568,803	639,903	19
42	71,0799	142,159	213,239	284,319	355,399	426,479	497,559	568,639	639,719	18
43	71,0594	142,119	213,178	284,238	355,297	426,357	497,416	568,475	639,535	17
44	71,0390	142,078	213,117	284,156	355,195	426,234	497,273	568,312	639,351	16
45	71,0185	142,037	213,055	284,074	355,092	426,111	497,129	568,148	639,166	15
46	70,9980	141,996	212,994	283,992	354,990	425,988	496,986	567,984	638,982	14
47	70,9775	141,955	212,932	283,910	354,887	425,865	496,843	567,820	638,798	13
48	70,9570	141,914	212,871	283,828	354,785	425,742	496,699	567,656	638,613	12
49	70,9365	141,873	212,809	283,746	354,682	425,619	496,556	567,492	638,429	11
50	70,9160	141,832	212,748	283,664	354,580	425,496	496,412	567,328	638,244	10
51	70,8955	141,791	212,686	283,582	354,477	425,373	496,269	567,164	638,060	9
52	70,8750	141,750	212,625	283,500	354,375	425,250	496,125	567,000	637,875	8
53	70,8545	141,709	212,563	283,418	354,272	425,127	495,981	566,836	637,690	7
54	70,8339	141,668	212,502	283,336	354,170	425,004	495,838	566,671	637,505	6
55	70,8134	141,627	212,440	283,253	354,067	424,880	495,694	566,507	637,321	5
56	70,7929	141,585	212,378	283,171	353,964	424,757	495,550	566,343	637,136	4
57	70,7723	141,544	212,317	283,089	353,861	424,634	495,406	566,178	636,951	3
58	70,7518	141,503	212,255	283,007	353,759	424,510	495,262	566,014	636,766	2
59	70,7312	141,462	212,193	282,925	353,656	424,387	495,118	565,850	636,581	*i*
60	70,7106	141,421	212,132	282,842	, 353,553	424,264	494,974	565,685	636,396	0
/	100	200	300	400	500	600	700	800	900	*/*
d,	20	41	61	82	102	123	143	164	184	*d*

4-134° —314° &Y ^ sin 45°+ 225°—

мм	00	10	20	30	40	50	60	70	80	90
■100	71	78	85	92	99	107	114	121	128	135
200	142	149	156	163	170	178	185	192	199	206
300	213	220	227	234	241	249	256	263	270	277
400	284	291	298	305	312	320	327	334	341	348
500	355	362	369	376	383	391	398	405	412	419
600	426	433	440	447	455	463	469	476	483	490
700	497	50*4	511	518	526	533	540	547	554	561
800	568	575	582	589	597	604	611	618	625	632
900	639	C46	653	660	667	675	682	689	696	703

•β	20	.41	61	82	102	123	143	164	184
6	2	4	6	8	10	12	14	16	18
7	2	5	7	10	12	14	17	19	*гг*
8	3	5	8	11	14	16	19	22	25
9	3	6	9	12	15	18	22	25	28
10	3	7	10	14	17	20	24	27	31
20	7	14	20	27	34	■ 41	48	55	61
30	10	20	31	41	51	61	72	82	92
ад	14	27	41	55	68	82	96	109	123
50	17	34	51	68	85	102	120	137	154

—224°
+44°
i

sin 44° *Ay*

315°—
135°+
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t	100	200	300	400	500	600	700	800	900	*!*
30	70,0909	140,181	210,272	280,363	350,454	420,545	490,636	560,727	630,818	30
31	70,1116	140,223	210,335	280,446	350,558	420,670	490,781	560,893	631,005	29
32	70,1324	140,264	210,397	280,529	350,662	420,794	490,926	561,059	631,191	28
33	70,1531	140,306	210,459	280,612	350,765	420,918	491,072	561,225	631,378	27
34	70,1738	140,347	210,521	280,695	350,869	421,043	491,217	561,391	631,564	26
35	70,1946	140,389	210,583	280,778	350,973	421,167	491,362	561,556	631,751	25
36	70,2153	140,430	210,646	280,861	351,076	421,291	491,507	561,722	631,937	24
37	70,2360	140,472	210,708	280,944	351,180	421,416	491,652	561,888	632,124	23
38	70,2567	140,513	210,770	281,026	351,283	421.540	491,797	562,053	632,310	22
39	70,2774	140,554	210,832	281,109	351,387	421,6G4	491,942	502,219	632,49G	21
40	70,2981	140,596	210,894	281,192	351,490	421,788	492,086	562,384	632,683	20
41	70,3188	140,637	210,956	281,275	351,594	421,912	492,231	562,550	632,869	19
42	70,3394	140,679	211,018	281,357	351,697	422,036	492,376	562,715	633,055	18
43	70,3601	140,720	211,080	281,440	351,800	422,160	492,521	562,881	633,241	17
44.	70,3808	140,761	211,142	281,523	351,904	422,284	492,665	563,046	633,427	16
45	70,4014	140,803	211,204	281,605	352,007	422,408	492,810	563,211	633,613	15
46	70,4221	140,844	211,266	281,688	352,110	422,532	492,954	563,377	633,799	14
47	70,4427	140,885	211,328	281,771	352,213	422,656	493,099	563,542	633,985	13
48	70,4634	140,926	211,390	281,853	352,317	422,780	493,244	563,707	634,170	12
49	70,4840	140,968	211,452	281,936	352,420	422,904	493,388	563,872	634,356	11
50	70,5046	141,009	211,514	282,018	352,523	423,028	493,532	564,037	634,542	10
51	70,5253	141,050	211,576	282,101	352,626	423,151	493,677	564,202	634,727	9
52	70,5459	141,091	211,637	282,183	352,729	423,275	493,821	564,367	634,913	8
53	70,5665	141,133	211,699	282,266	352,832	423,399	493,965	564,532	635,099	7
54	70,5871	141,174	211,761	282,348	352,935	423,523	494,110	564,697	635,284	6
55	70,6077	141,215	211,823	282,431	353,038	423,646	494,254	564,862	635,469	5
56	70,6283	141,256	211,885	282,513	353,141	423,770	494,398	565,026	635,655	4
57	70,6489	141,297	211,946	282,595	353,244	423,893	494,542	565,191	635,840	3
58	70,6695	141,339	212,008	282,678	353,347	424,017	494,686	565,356	636,025	2
59	70,6901	141,380	212,070	282,760	353,450	424,140	494,830	565,520.	636,211	1
60	70,7106	141,421	212,132	282,842	353,553	424,264	494,974	565,685	636,396	0

t	100	200	300	400	500	600	700	800	900	*/*
d	21	41	62	83	103	124	145	165	186	*d*

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Ax 45° eos

t
45°+
225°—

им	00	10	20	30	40	50	60	70	80	90	*"Id*	21	41	62	83	103	124	145	165	186
100	70	77	84	92	99	106	113	120	127	134	6	2	4	6	8	10	12	14	17	19
200	141	148	155	162	169	176	183	190	197	204	7	2	5	7	10	12	14	17	19	22
300	211	218	225	232	239	246	253	260	268	275	8	3	fi	8	11	14	17	19	22	25
400	282	289	296	303	310	317	324	331	338	345	9	3	6	9	12	15	19	22	25	28
500	352	359	366	373	380	387	394	•401	408	415	10	3	7	10	14	17	21	24	?,8	31
600	422	429	436	444	451	458	465	472	479	486	20	7	14	21	28	34	41	48	55	62
700	493	ьоо	507	514	521	528	535	542	549	556	30	10	21	31	41	5?.	62	7?,	83	93
800	563	570	577	584	591	598	605	612	620	627	40	14	28	41	55	69	83	96	110	124
900	634	641	648	655	662	669	676	683	690	697	50'	17	34	52	69	86	103	120	138	155

Таблицы II

ПОПРАВКИ (В МИЛЛИМЕТРАХ) ЗА НАКЛОН ЛИНИЙ, ИЗМЕРЕННЫХ ЛЕНТОЙ, ДАЛЬНОМЕРНЫМИ НАСАДКАМИ ДНТ, ДН-8 ДАЛЬНОМЕРОМ ОТД, РАДИО- И СВЕТОДАЛЫЮМЕРАМИ

Углы наклона О /	Расстояние в и 100	200	300	400	50	60	70	80	90	Углы наклона О /
000	0	0	0	0	0	0	0	0	0	000
10	0	1	1	2	0	0	0	0	0	10
20	2	3	5	7	1	1	1	1	2	20
30	4	8	11	15	2	2	3	3	3	30
40	7	14	20	27	3	4	5	5	6	40
50	11	21	32	42	5	6	7	8	10	50
1 00	15	30	46	61	8	9	И	12	14	1 00
10	21	41	62	83	10	12	15	17	19	10
20	27	54	81	108	14	16	19	22	24	20
30	34	69	103	137	17	21	24	27	31	30
40	42	85	127	169	21	25	30	34	38	40
50	51	102	154	205	26	81	36	41	46	50
200	61	122	183 ■	244	30	37	43	49	55	2 00
10	71	143	214	286	36	43	50	57	64	10
20	83	166	249	332	41	50	58	66	75	20
30	95	190	286	381	48	57	67	76	86	30
40	108	217	325	433	54	65	76	87	97	40
50	122	244	367	489	61	73	86	98	110	50
300	137	274	411	548	69	82	96	110	123	3 00
10	153	305	458	611	76	92	107	122	137	10
20	169	338	508	677	85	102	118	135	152	20
30	187	373	560	746	93	112	131	149	168	30
40	205	409	614	819	102	123	143	164	184	40
50	224	447	671	895	112	134	157	179	201	50
4 00	244	487	731	974	122	146	171	195	219	400
10	264	529	793	1 057	132	159	185	211	238	10
20	286	572	858	1 143	143	172	200	229	257	20
30	308	617	925	1 233	154	185	216	247	277	30
40	332	663	995	1 326	166	199	232	265	298	40
50	356	711	1 067	1 422	178	213	249	284	320	50
5 00	381	761	1 142	1 522	190	228	266	304	342	500
10	406	813	1 219	1 625	203	244	284	325	366	10
20	433	866	1 299	1 732	216	260	303	346	390	20
30	460	921	1381	1 842	230	276	322	368	414	30
40	489	977	1466	1 955	244	293	342	391	440	40
50	518	1036	1553	2 071	259	311	362	414	466	50
600	548	1 096	1 643	2 191	274	329	383	438	493	6 00
10	579	1 157	1 736	2 315	289	347	405	463	521	10
20	610	1 221	1831	2 441	305	366	427	488	549	20
30	643	1 286	1928	2 571	321	386	450	514	579	30
, 40	676	1 352	2 028	2 705	338	406	473	541	609	40
50	710	1421	2131	2 841	355	426	497	568	639	50
700	745	1491	2 236	2 982	373	447	522	596	671	700
10	782	1563	2 344	3125	391	469	547	625	703	10
20	818	1636	2 454	3 272	409	491	673	654	736	20
30	856	1711	2 566	3 422	428	513	599	684	770	30
40	894	1788	2 682	3 576	447	536	626	715	805	40
50	933	1866	2 799	3 732	467	560	653	747	840	50

973	1 946	2 920	3 893	487	584	681	779
1014	2 U28	3 042	4 056	507	608	710	811
1056	2 112	3 168	4 223	528	634	739	845
1098	2 197	3 295	4 394	549	659	769	879
1142	2 284	3 425	4 567	571	685	799	914
1186	2 372	3 558	4 744	593	712	830	949
1231	2 462	3 693	4 925	616	739	869	985
1277	2 554	3 831	5 108	639	766	894	1022
1324	2 648	3,972	5 295	662	794	927	1059
1371	2 743	4 114	5 486	686	823	960	1097
1420	2 840	4 260	5 679	710	852	994	1136
1469	2 938	4 407	5 877	735	881	1028	1175
1519	3 038	4 558	6 077	760	912	1063	1215
1570	3 140	4 710	6 281	785	942	1099	1256
1622	3 244	4 866	6 488	811	973	1135	1298
1675	3 349	5 024	6 698	837	1005	1172	1340
1728	3 456	5 184 '	6 912	864	1037	1210	1382
1782	3 564	5 347	7 129	891	1069	1248	1426
1837	3 675	5 512	7 349	919	1102	1286	1470
1893	3 786	5 680	7 573	947	1136	1325	1515
1950	3 900	5 850	7 800	, 975	1170	-1365	1560
2008	4 015	6 023	8 030	1004	1205	1405	1606
2066	4 132	6 198	8 264	1033	1240	• 1446	1653
2125	4 250	6 376	8 501	1063	1275	1488	1700
2185	4 370	6 556	8 741	1093	1311	1530	1748
2246	4 492	6 738	8 985	1123	1348	1572	1797
2308	4 616	6 924	9 231	1154	1385	1615	1846
2370	4 741	7 111	9 482	1185	1422	1659	1896
2434	4 868	7 301	9 735	1217	1460	1704	1947
2498	4 996	7 494	9 992	1249	1499	1749	1998
2563	5 126	7 689	10 252	1281	1538	1794	2.050
2629	5 258	7 887	10 515	1314	1577	1840	2103
2G96	5 391	8 087	10 782	1348	1617	1887	2156
2763	5 526	8 289	И 052	1382	1658	1934	2210
2831	5 663	8 494	И 325	1416	1699	1982	2265
2900	5 801	8 701	И 602	1450	1740	2030	2320
2970	5 941	8 911	11 882	1485	1782	2079	2376
3041	6 082	9 124	12 165	1521	1825	2129	2433
3113	6 226	9 338	12 451	1556	1868	2179	2490
3185	6 370	9 556	12 741	1593	1911	2230	2548
3258	6 517	9 775	13 034	1629	1955	2281	2607
3333	6 665	9 998	13 330	1666	2000	2333	2666
3407	6 815	10 222	13 630	1704	2044	2385	2726
3483	6 966	10 449	13 932	1742	2090	2438	2786
3560	7 119	10 679	14 239	1780	2136	2492	2848
3637	7 274	10 911	14 548	1818	2182	2546	2910
3715	7 430	11 145	14 860	1858	2229	2601	2972
3794	7 588	11 382	15 176	1897	2276	2656	3035
3874	7 748	11 621	15 495	1937	2324	2712	3099
3954	7 909	11 863	15 818	1977	2373	2768	3164
4036	8 072	12 107	16 143	2018	2421	2825	3229
4118	8 236	12 354	16 472	2059	2471	2883	3294
4201	8 402	12 603	16 804	2101	2521	2941	3361
4285	8 570	12 Ç55	17 140	2142	2571	2999	3428
/, ”7Л	8 739	13 109	17 478	2185	2622	3059	3496
	8 910	13 365	17 820	2227	2673	3118	3564

					70	80	Углы аклопа о /
9 082	13 624	18 165	2271	2725	3179	3633	20
9 257	13 885	18 513	2314	2777	3240	3703	30
9 432	14 149	18 805	2358	2830	3301	3773	40
9 610	14 415	19 219	2402	2883	ЗЗСЗ	3844	50
9 789	14 683	19 577	2447	2937	3426	3915	18 00
9 969	14 954	19 939	2492	2991	3489	3988	10
10 151	15 227	20 303	2538	3045	3553	4061	20
10 335	15 503	20 671	2584	3101	3617	4134	30
10 521	15 781	21 041	2630	3156	3682	4208	40
10 708	16 062	21 415	2677	3212	3748	42S3	50
10 896	16 344	21 793	2724	3269	3814	4359	19 00
11 086	16 630	22 173	2772	3326	3880	4435	10
11 278	16 917	22 557	2820	3383	3947	4511	20
11 472	17 208	22 943	2868	3442	4015	4589	30
И 667	17 500	23 333	2917	3500	4083	4667	40
11 803	17 795	23 727	2966	3559	4152	4745	50
12 061	18 092	24 12,3	3015	3618	4222	4825	20 00
12 261	18 392	24 522	3065	3678	4291	4904	10
12 463	18 694	24 925	3116	3739	4362	4985	20
12 666	18 998	25 331	3166	3800	4433	5066	30
12 870	19 305	25 740	3218	3861	4505	5148	40
13 076	19 614	26 152	3269	3923	4577	5230	50
13 284	19 926	26 568	3321	3985	4649	5314	2100
13 493	20 240	26 986	3373	4048	4723	5397	10
13 704	20 556	27 408	3426	4111	4796	5482	20
13 916	20 875	27 833	3479	4175	4871	5567	30
14 130	21 196	28 261	3533	4239	4946	5652	40
14 346	21 519	28 692	3587	4304	5021	5738	50
14 563	21 845	29 126	3641	4369	5097	5825	22 00
14 782	22 173	29 564	3695	4435	5174	5913	10
15 002	22 503	30 004	3751	4501	5251	6001	20
15 224	22 836	30 448	3806	4567	5328	6090	30
15 448	23 171	30 895	3862	4634	5407	6179	40
15 672	23 509	31 345	3918	4702	5485	6269	50
15 899	23 849	31 798	3975	4770	5565	6360	23 00
16 127	24 191	32 254	4032	4838	5644	6451	10
16 357	24 535	32 714	4089	4907	5725	6543	20
16 588	24 882	33 176	4147	4976	5806	6635	30
16 821	25 231	33 641	4205	5046	5887	6728	40
17 055	25 583	34 НО	4264	5117	5969	6822	50
17 291	25 936	34 582	4323	5187	6052	6916	24 00
17 528	26 292	35 057	4382	5258	6135	7011	10
17 W	26 651	35 535	4442	5330	6219	7107	20
18 008	27 012	36 015	4502	5402	6303	7203	30
18 250	27 375	36 500	4562	5475	6387	7300	40
18 493	27 740	36 987	4623	5548	6473	7397	50
18 738	28 108	37 477	4685	5622	6558	7495	25 00

							о /
200	300	400	50	60	70	80	

Расстояние в ы

ПОПРАВКИ (В МИЛЛИМЕТРАХ) ЗА НАКЛОН ЛИНИЙ, ИЗМЕРЕННЫХ ДАЛЬНОМЕРАМИ ТИПА ДД-3, ДД-5

Н-/Д	100	200	*30*	40	50	60	70	80	90	*D/v—*
017	0	0	0	0	0	0	0	0	0	0 17
.10	0	1	0	0	0	0	0	0	0	24
0 0	2	5	1	1	1	2	2	2	2	34
10	6	12	2	2	3	4	4	5	6	44
20	12	23	4	5	6	7	8	9	10	54
30	19	38	6	8	9	11	13	15	17	1 04
40	28	55	8	11	14	17	19	22	25	14
50	38	76	12	15	19	22	27	31	34	24
1 00	50	101	15	20	25	30	35	40	45	34
10	04	129	19	26	32	39	45	51	58	44
20	80	160	24	32	40	48	56	64	72	54
30	97	194	29	39	49	58	68	78	88	2 04
40	116	232	35	46	58	70	81	93	104	14
50	137	274	41	55	68	82	96	110	123	24
200	159	318	48	64	80	96	111	127	143	34
10	183	366	55	73	92	110	128	147	165	44
20	209	418	63	84	140	125	167	167	188	54
30	236	473	71	94	118	142	165	189	213	3 04
40	265	531	80	106	133	159	186	212	239	14
50	296	592	89	118	148	178	207	237	267	24
300	329	657	99	132	164	197	230	263	296	34
10	363	726	109	145	181	218	254	290	326	44
20	399	797	120	159	199	239	279	319	359	54
30	436	872	131	174	218	262	305	349	392	4 04
40	475	951	143	190	238	285	333	380	428	14
50	516	1 032	155	206	258	310	361	413	464	24
4 00	559	1 117	168	224	279	335	391	447	503	4 34
10	603	1 206	181	241	301	362	422	482	543	44
20	649	1 297	195	260	324	389	454	519	584	54
30	696	1 392	209	278	348	418	487	557	627	504
40	746	1 491	224	298	373	447	522	§96	671	14
50	796	1 593	239	318	398	478	557	637	717	24
500	849	1 698	255	340	424	509	594	679	764	34
10	903	1 806	271	361	452	542	632	722	813	44
20	959	1 918	288	384	480	575	671	767	863	54
30	1 016	2 033	305	407	508	610	712	813	915	6 04
40	1076	2 151	323	430	538	645	753	860	968	14
50	1 136	2 273	341	455	568	682	796	909	1 023	24
600	1 199	2 398	360	480	600	719	839	959	1 079	34
10	1 263	2 596	379	505	632	758	884	1 010	1 137	44
20	1 329	2 658	399	532	664	797	930	1 063	1 196	54
30	1 396	2 793	419	559	698	838	978	1 117	1 257	704
40	1 466	2 931	440	586	733	879	1 026	1 172	1 319	14
50	1 536	3 072	461	614	768	922	1 075	1 229	1 383	24
7 00 .	1 609	3 217	483	643	804	965	1 126	1 287	1 448	34
10	1 683	3 365	505	673	841	1 010	1 178	1 346	1 514	44
20	1 758	3 516	528	703	879	1 055	1 231	1 407	1 582	54
30	1 836	3 671	551	734	918	1 101	1 285	1468	1 652	8 04
40	1914	3 829	574	766	957	1 149	1340	1 532	1 723	14
50	1995	3 990	598	798	998	1 197	1396	1596	\i 796	24
8 00	2 077	4157	623	831	1039	1 246	1454	1 662	1 869	8 34
10	2 161	4 322	648	864	1080	1 296	1513	1 729	1 945	44
20	2 246	4 493	674	898	1123	1 348	1572	1 797	2 022	54

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30	2 333	4 667	700	933	1167	1 400	1 633	1867
40	2 422	4 844	727	969	1211	1 453	1 695	1938
50	2 512	5 024	754	1005	1256	1507	1 758	2 010
9 00	2 604	5 208	781	1042	1302	1 562	1 823	2 083
10	2 698	5 395	809	1079	1349	1 618	1888	2 158
20	2 793	5 585	838	1117	1396	1 676	1955	2 234
30	2 889	5 778	867	1156	1445	1 734	2 022	2 311
40	2 988	5 975	896	1195	1494	1 792	2 091	2 390
50	3 087	6175	926	1235	1544	1852	2161	2 470
OOO	3 189	6 377	957	1276	1594	1913	2 232	2 551
10	3 292	6 584	988	1317	1646	1975	2 304	2 633
20	3 396	6 793	1019	1358	1698	2 038	2 377	2 717
30	3 502	7 005	1051	1401	1751	2 102	2 452	2 802
40	3 610	7 220	1083	1444	1805	2106	2 527	2 888
50	3 720	7 439	1116	1488	1860	2 232	2 604	2 976
1 00	3 830	7 661	1149	1532	1915	2 298	2 681	3 064
10	3 943	7 886	1183	1577	1971	2 366	2 760	3154
20	4 057	8114	1217	1623	2028	2 434	2 840	3 246
30	4172	8 345	1252	1669	2086	2 504	2 921	3 338
40	4 290	8 579	1287	1716	2145	2 574	3 003	3 432
50	4 408	8 816	1322	1763	2204	2 645	3 086	3 526
2 00	4 528	9 057	1358	1811	2264	2 717	3170	3 623
10	4 650	9 300	1395	1860	2325	2 790	3 255	3 720
20	4 773	9 547.	1432	1909	2387	2 864	3 341	3 819
30	4 898	9 796	1470	1959	2449	2 939	3 429	3 918
40	5 024	10 049	1507	2010	251-2	3 015	3 517	4 020
50	5152	10 305	1546	2061	2576	3 091	3 607	4 122
3 00	5 282	10 563	1584	2113	2641	3169	3 697	4 225
10	5 413	10 825	1624	2165	2706	3 248	3 789	4 330
20	5 545	11090	1664	2218	2772	3 327	3 882	4 436
30	5 679	11 358	1704	2272	2839	3 407	3 975	4 543
40	5 814	11 629	1744	2326	2907	3 489	4 070	4 651
50	5 951	11 902	1785	2380	2976	3 571	4166	4 761
4 00	6 090	12179	1827	2436	3045	3 654	4 263	4 872
10	6 229	12 459	1869-	2492	3115	3 738	4 361	4 984
20	6 371	12 742	1911	2548	3185	3 822	4460	5 097
30	6 514	13 027	1954	2605	3257	3 908	4 560	5 211
40	6 658	13 316	1997	2663	3329	3 995	4 660	5 326
50	6 804	13 607	2041	2722	3402	4 082	4 763	5 443
5 00	6 951	13 902	2085	2780	3475	4170	4 866	5 561
10	7 100	14199	2130	2840	3550	4 260	4 970	5 680
20	7 250	14 499	2175	2900	3625	4 350	5 075	5 800
30	7 401	14 803	2220	2960	3701	4 441	5181	5 921
40	7 554	15 109	2266	3022	3777	4 533	5 288	6 043
50	7 709	15 418	2313	3084	3854	4 625	5 396	6167
6 00	7 865	15 729	2359	3146	3932	4 719	5 505	6 292
10	8 022	16 044	2407	3209	4011	4 813	5 615	6 418
20	8181	16 361	2454	3272	4090	4 908	5 726	6 545
30	8 341	16 682	2502	3336	4170	5004	5 839	6 673
40	8 502	17 005	2551	3401	4251	5102	5 952	6 802
50	8 665	17 331	2600	3466	4333	5199	6 066	6 932
7 00	8 830	17 660	2649	3532	4415	5 298	6181	7 064
10	8 996	17 091	2699	3598	4498	5 397	6 297	7196
20	9 163	18 325	2749	3665	4581	5 498	6 414	7 330
30	9 331	18 662	2799	3732	4666	5 599	6 532	7 465
40	9 501	19 002	2850	3800	4751	5 701	6 651	7 601
	9 672	19 345	2902	38G9	4836	5 803	6 771	7 738

	100	200	30	40	50	60	70	80	90	O/V— o *
18 00	9 845	19 690	2954	3938	4922	5 907	6 892	7 876	8 861	34
10	10 019	20 038	3006	4008	5010	6 011	7 013	8 015	9 017	44
20	10194	20 398	3058	4078	5097	6117	7136	8156	9175	54
30	10 371	20 742	3111	4148	5186	6 223	7 260	8 297	9 334	19 04
40	10 549	21 098	3165	4220	5275	6 330	7 384	8 439	9 494	14
50	10 728	21 457	3219	4291	5364	6 437	7 510	8 583	9 656	24
19 00	10 909	21 818	3273	4364	5455	6 546	7 636	8 727	9 816	34
10	11 091	22 183	3327	4436	5546	6 655	7 764	8 873	9 982	44
20	11275	22 549	3382	4510	5637	6 765	7 892	9 020	10147	54
30	11 459	22 919	3438	4584	5730	6 876	8 022	9 167	10 313	20 04
40	11 645	23 290	3494	4658	5823	6 987	8152	9 316	10 841	14
50	11832	23 665	3550	4733	5916	7100	8 283	9 466	10 649	24
20 00	12 021	24 042	3606	4808	6010	7 213	8 415	9 617	10 819	34
10	12 211	24 422	3663	4884	6106	7 327	8 548	9 769	10 990	44
20	12 402	24 804	3721	4961	6201	7 441	8 681	9 922	11 162	54
30	12 594	25189	3778	5038	6297	7 557	8 816	10 076	11 335	21 04
40	12 788	25 576	3836	5115	6394	7 673	8 952	10 230	11 509	14
50	12 983	25 966	3895	5193	6492	7 790	9 088	10 386	11 685	24
2100	13 179	26 358	3954	5272	6590	7 908	9 225	10 543	И 861	34
10	13 377	26 753	4013	5351	6688	8 026	9 364	10 701	12 039	44
20	13 575	27 150	4073	5430	6788	8145	9 503	10 860	12 218	54
30	13 775	27 550	4132	5510	6888	8 265	9 643	11 020	12 398	22 04
40	13 976	27 952	4193	5590	6988	8 386	9 783	11 181	12 579	14
50	14179	28 357	4254	5671	7089	8 507	9 925	11 343	12.761	24
22 00	14 382	28 764	4315	5753	7191	8 629	10 068	11 506	12 944	34
10	14 587	29174	4376	5835	7293	8 752	10 211	11 670	13128	44
20	14 793	29 586	4438	5917	7396	8 876	10 355	11 834	13 314	54
30	15 000	30 ООО	4506	6000	7500	9 000	10500	12 000	13 500	23 04
40	15 208	30 417	4562	6083	7604	9125	10 646	12 167	13 688	14
50	15 418	30 836	4625	6167	7709	9 251	10 792	12 334	13 876	24
23 00	15 628	31 257	4688	6251	7814	9 377	10 940	12 503	14 066	84
10	15 840	31 681	4752	6336	7920	9 504	И 088	12 672	14 256	44
20	16 053	32 107	4816	6421	8027	9 632	11 237	12 843	14 448	54
30	16 268	32 535	4880	6507	8134	9 760	11 387	13 014	14 641	24 04
40	16 483	32 966	4945	6593	8241	9 890	11 538	13 186	14 834	14
50	16 699	33 398	5010	6680	8350	10 020	11 689	13 359	15 029	24
24 00	16 917	33 833	5075	6767	8458	10150	11 842	13 533	15 225	84-
10	17135	34 271	5141	6854	8568	10 281	И 995	13 708	15 422	44
20	17 355	34 710	5206	6942	8678	10 413	12149	13 884	15 620	54
30	17 576	35152	5273	7030	8788	10 546	12 303	14 061	15 818	25 04
40	17 798	35 596	5339	7119	8899	10 679	12 459	14 238	16 018	14
50	18 021	36 042	5406	7208	9010	10 813	12 615	14 417	16 219	24
25 00	18 245	36 490	5474	7298	9123	10 947	12 772	14 596	16 421	25 34 *
o / \-+/£>	100	200	30	40	50	60	70	80	90	o# O/y

**Дурнева П.И.* Таблицы для вычисления горизонтальных проложений и превышений при работе с дальномерами ДД-3 и ДД-5 для углов наклона от 0 до 30 М.. Недра, 1964.

Таблицы IV

ПОПРАВКИ (В САНТИМЕТРАХ) ЗА НАКЛОН ЛИНИЙ, ИЗМЕРЕННЫХ НИТЯНЫМ ДАЛЬНОМЕРОМ

'/£> к0/	100	200	300	40	50	60	70	80	90
1 00	3	6	9	1	2	2	2	2	3
10	4	8	12	2	2	2	3	3	4
20	5	11	16	2	3	3	4	4	5
30	7	14	21	3	3	4	5	5	6
40	8	17	25	3	4	5	6	7	8
50	10	20	31	4	5	6	7	8	9
200	12	24	37	5	6	7	9	10	11
10	14	29	43	6	7	9	10	11	13
20	17	33	50	7	8	10	12	13	15
30	19	38	57	8	10	11	13	15	17
40	22	43	65	9	11	13	15	17,	19
50	24	49	73	10	12	15	17	20	22
3 00	27	55	82	11	14	16	19	22	25
10	31	61	92	12	15	18	21	24	27
20	34	68	101	14	17	20	24	. 27	30
30	37	75	112	15	19	22	26	eo	34
40	41	82	123	16	20	25	29	33	37
50	45	89	134	18	22	27	31	36	40
400	49	97	146	19	24	29	34	39	44
10	53	106	158	21	.26	32	37	42	48
20	57	114	171	23	29	34	40	46	51
30	62	123	185	25	31	37	43	49	55
40	66	132	199	26	33	40	40	53	60
50	71	142	213	28	35	43	50	57	64
5 00	76	152	228	30	38	46	53	61	68
10	81	162	243	32 .	41	49	57	65	73
20	86	173	259	35	43	52	60	69	78
30	92	184	276	37	46	55	64	73	83
40	97	195	292	39	49	58	68	78	88
50	103	207	310	41	52	62	72	83	93
6 00	109	219	328	44	55	66	76	87	98
10	115	231	346	46	58	69	81	92	104
20	122	243	365	49	61	73	85	97	110
30	128	256	384	51	64	77	90	103	115
40	135	270	404	54	67	81	94	108	121
50	142	283	425	57	71	85	99	113	127
7 00	149	297	446	59	74	89	104	119	134
10	156	311	467	62	78	93	109	125	140
20	163	326	489	65	81	98	114	130	147
30	170	341	511	68	85	102	119	136	153
40	178	356	534	71	89	107	125	142	160
50	186	372	557	74	93	111	130	149	167
8 00	194	387	581	77	97	116	136	155	174
10	202	404	605	81	101	121	141	161	182
20	210	420	630	84	105	126	147	168	189
30	218	437	655	87	109	131	153	175	197
40	227	454	681	91	114	136	159	182	204
50	236	472	707	94	118	141	165	189	212
9 00	245	489	734	98	122	147	171	196	220
10	254	508	761	102	127	152	178	203	228
20	263	526	789	105	132	158	184	210	237

v/Z) o o	100	200	зсо	40	50	CO	70	80	90	*Dlv* o o
30	272	545	817	109	136	163	191	218	245	30
40	282	564	846	113	141	169	197	226	254	40
50	202	583	875	117	146	175	204	233	262	50
10 00	302	603	005	121	151	181	211	241	271	10 00
10	312	623	935	125	156	1S7	218	249	280	10
20	322	644	965	129	ICI	193	225	257	290	20
30	332	664	996	133	1C6	199	232	266	299	30
40	343	685	1028	137	171	206	240	274	308	40
50	353	707	1060	141	177	212	247	283	318	50
1100	364	728	1092	146	182	218	255	291	328	1100
10	375	750	1125	150	188	225	263	300	338	10
20	386	772	1159	154	193	232	270	309	348	20
30	397	795	1192	159	199	238	278	318	358	30
40	409	818	1227	164	204	245	286	327	368	40
50	421	841	1262	168	210	252	294	336	378	50
12 00	432	865	1297	173	216	259	303	346	389	12 00
10	444	888	1333	178	222	267	311	355	400	10
20	456	912	1369	182	228	274	319	365	411	20
30	468	937	1405	187	234	281	328	375	422	30
40	481	962	1442	192	240	288	337	385	433	40
50	493	987	1480	197	247	296	345	395	444	50
13 00	506	1012	1518	202	253	304	354	405	455	13 00
10	519	1038	1557	208	259	311	363	415	467	10
20	532	1064	1596	213	266	319	372	425	479	20
30	545	1090	1635	218	272	327	381	436	490	30
40	558	1116	1675	223	279	335	391	447	502	40
50	572	1143	1715	229	286	343	400	457	515	50
14 00	585	1171	1756	234	293	351	410	468	527	14 00
10	599	1198	1797	240	299	359	419	479	539	10
20	613	1226	1839	245	306	368	429	490	552	20
30	627	1254	1881	251	313	376	439	502	564	30
40	641	1282	1923	256	321	385	449	513	577	40
50	655	1311	1966	262	328	393	459	524	590	50
15 00	670	1340	2010	268	335	402	469	536	603	15 00
10	684	1369	2053	274	342	411	479	548	616	10
20	699	1399	2098	280	350	420	489	559	629	20
30	714	1428	2142	286	357	428	500	571	643	30
40	729	1458	2188	292	365	438	510	583	656	40
50	744	1489	2233	298	372	447	521	596	670	50
16 00	760	1520	2279	304	380	456	532	608	684	16 00
10	775	1550	2326	310	388	465	543	620	698	10
20	791	1582	2373	316	395	475	554	633	712	20
30	807	1613	2420	323	403	484	565	645	726	30
40	823	1645	2468	329	411	494	576	658	740	40
50	839	1677	2516	335	419	503	587	671	755	50
17 00	855	1710	2564	342	427	513	598	684	769	17 00
10	871	1742	2613	348	436	523	610	697	784	10
20	888	1775	2663	355	444	533	621	710	799	20
30	904	1808	2713	362	452	543	633	723	814	30
40	921	1842	2763	368	461	553	645	737	829	40
50	938	1876	2814	375	469	563	657	750	844	50
18 00	955	1910	2865	382	477	573	668	764	859	18 00
10	972	1944	2916	389	486	583	680	778	875	10
20	989	1979	2968	396	495	594	693	792	890	20
30	1007	2014	-3020	403	503	604	705	805	906	30
40	1024	"2049	3073	410	512	615	717	820	922	40
50	1042	2084	3126	417	521	625	729	834	938	50

o t

9 00	1060	2120	3180	424	530	636	742	848
10	1078	2156	3234	431	539	647	755	862
20	1096	2192	3288	438	548	658	767	877
30	1114	2229	3343	446	557	669	780	891
40	1133	2265	3398	453	566	680	793	906
50	1151	2302	3453	460	576	691	806	921
OOO	1170	2340	3509	468	585	702	819	936
10	1189	2377	3566	475	594	713	832	951
20	1207	2415	3622	483	604	724	845	966
30	1226	2453	3679	491	613	736	859	981
40	1246	2491	3737	498	623	747	872	996
50	1265	2530	3795	506	632	759	885	1012
1 00	1284	2569	3853	514	642	771	899	1027
10	1304	2608	3911	522	652	782	913	1043
20	1323	2647	3970	529	662	794	926	1059
30	1343	2686	4030	537	672	806	940	1075
40	1363	2726	4089	545	682	818	954	1091
50	1383	2766	4149'	553	692	830	968	1107
2 00	1403	2807	4210	561	702	842	982	1123
10	1424	2847	4271	569	712	854	996	1139
20	1444	2888	4332	578	722	866	1011	1155
30	1464	2929	4393	586	732	879	1025	1172
40	1485	2970	4455	594	743	891	1040	1188
50	1506	3012	4518	602	753	904	1054	1205
13 00	1527	3053	4580	611	763	916	1069	1221
10	1548	3095	4643	. 619	774	929	1083	1238
20	1569	3138	4706	628	784	941	1098	1255
30	1590	3180	4770	636	795	954	1113	1272
40	1611	3223	4834	' 645	806	967	1128	1289
50	1633	3266	4898	653	816	980	1143	1306
4 00	1654	3309	4963	662	827	993	1158	1323
10	1676	3352	5028	670	838	1006	1173	1341
20	1698	3396	5093	679	849	1019	1188	1358
30	1720	3439	5159	688	860	1032	1204	1376
40	1742	3483	5225	697	871	1045	1219	1393
50	1764	3528	5291	706	882	1058	1235	1411
5 00	1786	3572	5358	714	893	1072	1250	1429

Таблица V

КОЭФФИЦИЕНТЫ *К* ДЛЯ ВЫЧИСЛЕНИЯ ПОПРАВОК А $Б_н$ ЗА ПРИВЕДЕНИЕ ДЛИН ЛИНИЙ К УРОВНЮ МОРЯ

H, м	0	10	20	30	40	50	60	70	80
0	0	2	3	5	6	8	9	11	13
100	16	17	1»	20	22	24	25	27	28
200	31	33	34	36	38	39	41	42	44
300	47	49	50	52	53	55	56	58	60
400	63	64	66	67	69	71	72	74	75
500	78	80	82	83	85	86	88	89	91
600	94	96	97	99	100	102	103	105	107
700	110	111	113	114	116	118	119	121	122
800	125	127	129	130	132	133	135	136	138
900	141	143	144	146	147	149	151	152	154
1000	157	158	160	161	163	165	166	168	169
1100	172	174	176	177	179	180	182	183	185
1200	188	190	191	193	194	196	198	199	201
1300	204	205	207	209	210	212	213	215	216
1400	219	221	223	224	226	227	229	230	232
1500	235	237	238	240	241	243	245	246	248
1600	251	252	254	256	257	259	260	262	263
1700	267	268	270	271	273	274	276	278	279
1800	282<	284	285	287	288	290	292	293	295
1900	298	299	301	303	304	306	307	309	310
2000	314	315	317	318	320	321	323	325	326
2100	329	331	3*2	334	336	337	339	340	342
2200	345	346	348	350	351	353	354	356	357
2300	361	362	364	365	367	368	370	372	373
2400	376	378	379	381	383	384	386	387	389
2500	392	394	395	397	398	400	401	403	405
2600	408	409	411	412	414	415	417	419	420
2700	423	425	426	428	430	431	433	434	436
2800	439	441	442	444	445	447	448	450	452
2900	455	456	458	459	461	463	464	466	467
3000	470	472	473	475	477	478	480	481	483
3100	486	488	489	491	492	494	495	497	499
3200	502	503	505	506	508	510	511	513	514
3300	517	519	521	522	524	525	527	528	530
3400	533	535	536	538	539	541	542	544	546
3500	549	550	552	553	555	557	558	560	561
3600	564	566	568	569	571	572	574	575	577
3700	580	582	583	585	586	588	590	591	593
3800	596	597	599	600	602	604	605	607	608
3900	611	613	615	616	618	619	621	622	624
4000	627	629	630	632	633	635	637	638	640

Таблица VI

КОЭФФИЦИЕНТЫ *К* ДЛЯ ВЫЧИСЛЕНИЯ ПОПРАВОК Д 5 *у* ЗА ПРИВЕДЕНИЕ ДЛИН ЛИНИЙ НА ПЛОСКОСТЬ В ПРОЕКЦИИ ГАУССА

, км	**0**	1	2	3	4	5	6	7	8	9
0	0.	0	0	0	0	0	0	1	1	1
10	1	1	2	2	г -	3	3	4	4	4
20	5	5	6	7	7	8	8	9	10	10
30	11	12	13	13	14	15	16	17	18	19
40	20	21	22	23	24	25	26	27	28	30
50	31	32	33	35	36	37	39	40	41	43
60	44	46	47	49	50	52	54	55	57	59
70	60	62	64	65	67	69	71	73	75	77
80	79	81	83	85	87	89	91	93	95	97
90	100	102	104	106	109	111	113	116	118	120
100	123	125	128	130	133	136	138	141	143	146
110	149	151	154	157	160	163	165	168	171	174
120	177	180	183	186	189	192	195	198	201	205
130	208	211	214	217	221	224	227	231	234	237
140	241	244	248	251	255	258	262	266	269	273
150	277	280	284	288	291	295	299	303	307	311
160	315	319	323	327	331	335	339	343	347	351
170	355	359	364	368	372	376	381	385	389	394
180	398	403	407	412	416	421	425	430	434	439
190	444	448	453	458	463	467	472	477	482	487
200	492	497	502	506	511	517	522	527	532	537
210	542	547	552	558	563	568	573	579	584	589
220	595	. 600	606	611	617	622	628	633	639	645
230	650	656	662	667	673	679	685	690	696	702
240	708	714	720	726	732	738	744	750	756	762
25.0	768	774	781	787	793	799	805	812	818	824
260	831	837	844	850	857	863	870	876	883	889
270	896	903	909	916	923	929	936	943	950	957
280	964	970	977	984	991	998	1005	1012	1019	1027
290	1034	1041	1048	1055	1062	1070	1077	1084	1091	1099
300	1106	1114	1121	1128	1136	1143	1 51	1158	1166	1174
310	1181	1189	1196	1204	1212	1220	1227	1235	1243	1251
320	1259	1266	1274	1282	1290	1298	1306	1314	1322	1330
330	1338	1347	1355	1363	1371	1379	1388	1396	1404	1412
340	1421	1429	1438	1446	1454	1463	1471	1480	1488	1497

Продолжение табл. VI

У, км	0	1	2	3	**4**	'5	6	7	8	9
350	1506	1514	1523	1532	1540	Ь549	1558	1566	1575	1584
360	1593	1602	1611	1620	1628	1637	1646	1655	1664	1674
370	1683	1692	1701	1710	1719	1728	1738	1747	1756	1765
380	1775	1784	1793	1803	1812	1822	1831	1841	1850	1860
390	1869	1879	1889	1898	1908	1918	1927	1937	1947	1957
400	1966	1976	1986	1996	2006	2016	2026	2036	2046	2056

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Валентина Васильевна Баканова
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Рассмотрены вопросы теории и практики создания мелкомасштабных общегеографических, топографических и батиметрических карт с применением ЭВМ и автоматических устройств. Особое внимание уделено моделированию в картографии. Общегеографическая карта рассмотрена как знаковая, пространственно-подобная модель местности. Даны основы математического моделирования процесса создания оригиналов топографических и батиметрических карт.

Для инженерно-технических работников, занимающихся вопросами картографического отображения геоинформации с применением ЭВМ и автоматических устройств.

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