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(DEPARTMENT OF NUMERICAL MATHEMATICS)

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TABLES OF THE FIRST 15000 ZEROS OF THE RIEMANN ZETA FUNCTION TO 28 SIGNIFICANT DIGITS, AND RELATED QUANTITIES

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Tables of the first 15000 zeros of the Riemann zeta function to 28 significant digits, and related quantities

by

H.J.J. te Riele

ABSTRACT

This report presents a table of the imaginary parts of the first 15000 zeros ρ_n of the Riemann zeta function $\zeta(s)$ in the critical strip, with an accuracy of about 28 significant digits. Moreover, two additional tables of the related quantities $|\rho_n\zeta'(\rho_n)|^{-1}$ and $\arg(\rho_n\zeta'(\rho_n))$ are given to about 10 significant digits.
These tables have been used by the author in recent computations concerning the conjecture of Mertens, a report of which will shortly appear in the *Journal für die reine und angewandte Mathematik*.

KEY WORDS & PHRASES: *zeros of the Riemann zeta function, high precision computation.*

1. INTRODUCTION

Let ρ_n, $n = 1,2,\ldots$, be the n-th non-trivial zero of the Riemann zeta function $\zeta(s)$. In this report we present tables of $\gamma_n = \mathrm{Im}(\rho_n)$ (Table 1), $|\rho_n\zeta'(\rho_n)|^{-1}$ (Table 2) and $\pi\psi_n = \arg(\rho_n\zeta'(\rho_n))$, $-1 < \psi_n \leq 1$ (Table 3), for $n = 1,2,\ldots,15000$, with an accuracy of about 28, 10 and 10 digits, respectively. These quantities were needed [7] for the computation of the function

$$\sigma_N(t) = 2 \sum_{n=1}^{N} \kappa(\frac{\gamma_n}{\gamma_N}) \frac{\cos(\gamma_n t - \pi\psi_n)}{|\rho_n\zeta'(\rho_n)|}, \qquad t \in \mathbb{R},$$

where $\kappa(\tau) = (1-\tau)\cos\pi\tau + \frac{1}{\pi}\sin\pi\tau$, $0 \leq \tau \leq 1$, and $N \leq 15000$. Because of the large values of t (max. $\approx 10^{16}$) for which $\sigma_N(t)$ had to be evaluated, the numbers γ_n were computed with an accuracy of about 28 digits.

The computations were performed in two steps. The first step produced the γ_n's with an accuracy of 10 - 12 digits; in the second step the accuracy was improved to about 28 digits, and, moreover, the quantities $|\rho_n\zeta'(\rho_n)|^{-1}$ and $\pi\psi_n$ were obtained.

The first step was applied only to the γ_n's with $1601 \leq n \leq 15000$ (since the first 1600 γ_n's were already available ([6]) with sufficient accuracy). It consists of a *separation* procedure and a *zero finding* procedure. The separation of the γ_n's was performed in the usual way ([3]) by finding changes of sign of the real function

$$Z(t) = \exp(i\theta(t))\zeta(\tfrac{1}{2}+it),$$

where $\theta(t) = \mathrm{Im}(\log\Gamma(\frac{1}{4}+\frac{1}{2}it)) - \frac{1}{2}t\log\pi$, combined with "Gram's law" ([5]) which is the observation that $Z(t)$ usually changes sign in each "Gram interval" $[g_j, g_{j+1})$, $j \geq -1$. Here, the m-th Gram point g_m is defined as the unique solution in $[7,\infty)$ of the equation

$$\theta(g_m) = m\pi$$

(unique, since $\theta(t)$ is monotonically increasing for $t \geq 7$). For the function $Z(t)$ we used the well-known Riemann-Siegel formula ([8,6]) with five terms in its asymptotic expansion:

$$(1)\qquad Z(t) = 2\sum_{n=1}^{m} n^{-\frac{1}{2}}\cos(\theta(t) - t\log n) + (-1)^{m-1}\tau^{-\frac{1}{4}}\sum_{j=0}^{4}\Phi_j(\xi)(-1)^j\tau^{-j/2} + O(\tau^{-11/4}), \qquad \tau\to\infty,$$

where $\tau = t/2\pi$, $m = [\tau^{\frac{1}{2}}]$, $\xi = 2(\tau^{\frac{1}{2}} - m) - 1$,

$$\theta(t) = \frac{1}{2}t(\log\frac{t}{2\pi} - 1) - \frac{\pi}{8} + \frac{1}{48t} + \frac{7}{5060t^3} + O(t^{-5}), \qquad t\to\infty,$$

and $\Phi_j(\xi) = \Sigma_{k=0}^{\infty} c_{jk}\xi^k$, $j = 0(1)4$. The coefficients c_{jk} of Φ_j, which decrease rapidly in absolute value, were taken from [6]. The error in $Z(t)$ is small enough for our purposes (compare the remarks of BRENT in [3, Section 2.4], where it is stated that computations indicate that the absolute value of the error in (1), when using *three* terms in the asymptotic expansion, is less than $0.006\tau^{-7/4}$ for $\tau > 10$).

After the separation of the zeros (yielding an accuracy of at most 4 - 5 digits) the accuracy was improved to about 12 digits by using an algorithm of BRENT [2] for finding a zero of a given function ($Z(t)$) which changes sign in a given interval, without using the derivative of the given function.

The second step consists of improving the accuracy of (all) the γ_n's to about 28 digits with the Newton process. Instead of the Riemann-Siegel formula, which is not accurate enough, we used the Euler-MacLaurin formula for $\zeta(s)$:

$$(2)\qquad \zeta(s) = \sum_{n=1}^{N-1} n^{-s} + \frac{1}{2}N^{-s} + \frac{N^{1-s}}{s-1} + \frac{B_2}{2!}sN^{-s-1} + \ldots + \frac{B_{2m}}{2m!}s(s+1)\ldots(s+2m-2)N^{-s-2m+1} + R_{N,m},$$

where

$$(3)\qquad |R_{N,m}| \le \left|\frac{s+2m+1}{\mathrm{Re}(s)+2m+1}\cdot\frac{B_{2m+2}}{(2m+2)!}\cdot s(s+1)\ldots(s+2m)N^{-s-2m-1}\right|,$$

and B_{2m}, m = 1,2,..., are the Bernoulli numbers ([4]). The advantage of this formula is that it gives $\zeta(s)$ to any desired accuracy, by taking N and m large enough. The disadvantage of (2) is that, when it is used to compute values of $\zeta(\frac{1}{2}+it)$, the computational work is roughly proportional to t, whereas this is $t^{\frac{1}{2}}$ for (1). Now we want to choose N and m such that $|R_{N,m}| < 10^{-28}$. Taking $s = \frac{1}{2} + it$, and replacing $B_{2m+2}/(2m+2)!$ by $2/(2\pi)^{2m+2}$ (assuming that m is not too small, cf. [1, p. 805]), it easily follows that the quantity

$$\frac{|s(s+1)\ldots(s+2m+1)|}{(2\pi N)^{2m+2}} \cdot \frac{N^{\frac{1}{2}}}{m+\frac{3}{4}}$$

is a good approximation of the upperbound of $R_{N,m}$ in (3). Assuming $N^{\frac{1}{2}} < m+\frac{3}{4}$, which will be justified later, and replacing $|s+j|$ by $t+2m+\frac{3}{2}$, j = 0,1,... ...,2m+1,it reduces to $[(t+2m+\frac{3}{2})/2\pi N]^{2m+2}$. This quantity is equal to 10^{-32} (say) for

$$N = (t+2m+\tfrac{3}{2})\exp(32\log 10/(2m+2))/2\pi.$$

After some numerical experimentations, we have chosen m = 100 (fixed for all t), so that $N \approx 0.23(t+201.5)$. For our largest $t = \gamma_{15,000} = 14040.45\ldots$, the condition $N^{\frac{1}{2}} < m+\frac{3}{4}$ is still satisfied for this choice of N.

The Newton process for computing approximations $\gamma_n^{(i)}$ to γ_n is given by

$$\gamma_n^{(i+1)} = \gamma_n^{(i)} - \mathrm{Im}\left[\frac{\zeta(\frac{1}{2}+i\gamma_n^{(i)})}{\zeta'(\frac{1}{2}+i\gamma_n^{(i)})}\right], \qquad i = 0,1,\ldots .$$

The value of $\zeta'(\frac{1}{2}+it)$ was computed simultaneously with $\zeta(\frac{1}{2}+it)$ from the derivative to s of the right hand side of (2). As initial approximation $\gamma_n^{(0)}$ we took the value of γ_n obtained by step 1. We never needed to do more than three Newton iteration steps, - the third as a check -, because of the good initial estimate. Once γ_n was known to sufficient accuracy, the quantities $|\rho_n\zeta'(\rho_n)|^{-1}$ and $\pi\psi_n$ were easily computed, where $\zeta'(\rho_n)$ was used from the last Newton step. The first 650 γ_n's were compared with an unpublished high precision table of Prof. A. Peyerimhoff (from Ulm), and we found perfect agreement. In order to save some space in Tables 2 and 3, we have given

$|\rho_n \zeta'(\rho_n)|^{-1}$ and $\pi\psi_n$ in 10 significant digits, although they were computed in about 14 significant digits.

All computations were programmed in FORTRAN and compiled and executed on a CDC Cyber 73/173 computer system. Step 1 was done in single-precision arithmetic, and consumed about 1.2 hours CPU-time; step 2 was done in double-precision arithmetic, where necessary, and consumed about 20 hours CPU-time.

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TABLE 1

γ_n, n = 1,2,...,15000

	1 - 50	51 - 100	101 - 150	151 - 200	
01	14.134725141734693790457251 98	146.000982486765518547402507 6	237.769820480925204003236625 9	321.160134309113578291921471 4	51
02	21.022039638771554992628479 59	147.422765342559602049521185 0	239.555477573327628740268932 0	322.144558672482932298837445 0	52
03	25.010857580145688760321379 099	150.053520420784880351432467 2	241.049157796216586412837921 4	323.466969557512050506212030 4	53
04	30.424876125859513210311897 53	150.925257612241466761852524 7	242.823271934222600016826474 5	324.862866051739613264980087 0	54
05	32.935061587739189690662368 96	153.024693811198896198256544 3	244.070898497078158236816528 0	327.443901261905457343469263 8	55
06	37.586178158825671257217763 48	156.112909294237867569750189 3	247.136990074897499467550968 2	329.033071680480934033614727 6	56
07	40.918719012147495187398126 92	157.597591817594059887530503 1	248.101990060148459256762142 1	329.953239728233866343892122 2	57
08	43.327073280914999519496122 17	158.849988171420498724174994 8	249.573689644707209192329794 2	331.474467582663424375661753 9	58
09	48.005150881167159727942472 75	161.188964137596027519437344 1	251.014947795016001142954155 1	333.645378524869850584961683 1	59
10	49.773832477672302181916784 68	163.030709687181987243311039 0	253.069986747999477194599013 8	334.211354833244383232403407 9	60
11	52.970321477714460644147296 61	165.537069187900418830038919 4	255.306256454914022753086491 8	336.841850428390684794654762 9	61
12	56.446247697063394804367759 48	167.184439978174513440957756 3	256.380713694434477789358382 3	338.339992850806611886257326 1	62
13	59.347044002602353079653648 68	169.094515415568821489505871 2	258.610439491531368208938658 6	339.858216725365340192326550 9	63
14	60.831778524609809844259901 82	169.911976479411698966699843 6	259.874406989678000350672844 6	341.042261111046560482597784 6	64
15	65.112544048081606660875054 25	173.411536519591552959846118 6	260.805084504596870185931233 5	342.054877510363585451403825 1	65
16	67.079810529494173711447882 890	174.754191523365725813378762 5	263.573893904870132233081588 1	344.661702940252337044181188 1	66
17	69.546401711173979252926857 53	176.441434297710418888892641 1	265.557851838876320292477309 0	346.347870566009947395936459 8	67
18	72.067157674481907582522107 97	178.377407776099977285830935 4	266.614973781501072495720113 0	347.272677584420484475797094 9	68
19	75.704690699083931683269167 6	179.916484020256996139340036 6	267.921915082824059440378967 2	349.316260870696144123155555 7	69
20	77.144840068874805372682664 85	182.207078484366461915407037 2	269.970449023997602594693505 3	350.408419349192099187671953 3	70
21	79.337375020249367922763592 88	184.874467848387508800960646 6	271.494055641644999018179416 8	351.878649025359280436713393 1	71
22	82.910380854086030183164837 50	185.598783677707471466527704 3	273.459609188403287045714250 3	353.488900488718806783603768 6	72
23	84.735492980517050105735311 20	187.228922583501851991641540 6	275.587492649343841248740702 6	356.017574977264947317960362 0	73
24	87.425274613125229406531667 85	189.416158656016937084852289 1	276.452049503132938679887343 6	357.151302252039624809602928 2	74
25	88.809111207634465423682348 08	192.026656360713786547283631 4	278.250743529841954492748276 7	357.952685101632273755128919 0	75
26	92.491899270558484296259725 24	193.079726603845704047402205 8	279.229250927745189228409880 5	359.743754953114448799291986 0	76
27	94.651344040519886966597925 82	195.265396679529235321463187 8	282.465114765052096233027201 2	361.289361695804650390291311 2	77
28	95.870634228245309758741029 22	196.876481840958316948622263 9	283.211185733233867420493837 9	363.331330578973834747334449 6	78
29	98.831194218193692233324420 14	198.015309676251912424919918 7	284.835963980904724133157633 9	364.736024114088993716262102 1	79
30	101.31785100573139122878454 79	201.264751943703788733016133 4	286.667445363002884292847624 1	366.212710288331316861077145 2	80
31	103.725538040478339416398408 1	202.493594514140534277686660 7	287.911920501422187155254120 3	367.993575481740303326183298 1	81
32	105.446623052326094493670832 4	204.189671803104554330716438 4	289.579854929218834152738023 6	368.968438095734389891576901 3	82
33	107.168611184276407515123352 0	205.394697202163286025212379 4	291.846291329067395835513054 4	370.050919212106000339651163 1	83
34	111.029535543169674524656450 3	207.906258887806209861501967 9	293.558434139356285356776697 1	373.061928372112838449119396 5	84
35	111.874659176992637085612078 7	209.576509716856259852835644 3	294.965369619265542175066448 6	373.864873910908569744756362 7	85
36	114.320220915452712765890937 3	211.690862595365307563907486 7	295.573254878958292388460831 5	375.825912766739334107907714 2	86
37	116.226680320857554382160804 3	213.347919359712666190639122 0	297.979277061943415209929683 0	376.324092230668052117190819 6	87
38	118.790782865976217322979139 7	214.547044783491423222944201 1	299.840326053721312960027052 5	378.436680249965479724090965 9	88
39	121.370125002420645918945533 0	216.169538508263700265869563 4	301.649325462194183623470100 2	379.872975346532346651024059 7	89
40	122.946829293552588200817460 3	219.067596349021378985677256 6	302.696749589606917051751477 1	381.484466171865249196625224	90
41	124.256818554345767184732008 0	220.714918839314003369115592 6	304.864371340857297700148749 9	383.443529449536487704345755 5	91
42	127.516683879596495124279323 8	221.430705554693338732097475 1	305.728912602036809289222821 3	384.956116814863687103751584 2	92
43	129.578704199956050985768033 9	224.007000254604335211728875 5	307.219496128170054789410033 4	385.861300845974229180561959 4	93
44	131.087688530932656725663725	224.983324669582285037825237	310.109463146701898804786219 8	387.222890222387980975948514 7	94
45	133.497737202997586450130492 0	227.421444279679291310461436 2	311.165141530356003270942670 8	388.846128354232254600809420 3	95
46	134.756509753373871331326064 2	229.337413305525348107760083 3	312.427801180600891980485983 1	391.456083563638045770578228 1	96
47	138.116042054533443200191555 2	231.250188700499164773806186 8	313.985285731158922979048965 8	392.245083339519096749015184 2	97
48	139.736208952121388950450046 5	231.987235253180248603771668 5	315.475616089475733868596078 2	393.427743844434025936698952 9	98
49	141.123707404021123761940353 8	233.693404178908300640704494 7	317.734805942370180395645494 2	395.582870010993720970877711 3	99
50	143.111845807620632739405123 9	236.524229665816205802475508 0	318.853104256316597906689184 5	396.381854222592186931999454 5	00

TABLE 1 PAGE 2

	201 - 250	251 - 300	301 - 350	351 - 400	
01	397.91873620961424338698117 97	472.79917466190888166582979927	544.32389010100526290312130 88	613.59977867563711940518645 62	51
02	399.98511987619489950591729 99	473.83523234513968707380546 81	545.63683324893481825485543 98	614.64623787223262152555308 40	52
03	401.83922860053321653991130 44	475.60033936937578560542881 99	547.01091205812229246365588 18	615.53856336940702785347426 59	53
04	402.86191776388611417631544 31	476.76901523748452085284868 92	547.93161336448933831045115 95	618.11283136644237338254022 70	54
05	404.23644180020800474022779 96	478.07526376667096919987272 74	549.49756756266137845998473 39	619.18448259795363424902814 64	55
06	405.13438745990992725748626 80	478.94218153463482653831710 18	550.97001003948388904565723 41	620.27289367222752191908557 26	56
07	407.58146038689618207630900 12	481.83033937628656136668137 63	552.04957220056489279257670 26	621.70929452794862295729863 31	57
08	408.94724550235111251963403 98	482.83478279098239730655699 67	553.76497211915881461714978 26	622.37500273977900921788154 38	58
09	410.51386919336663864676910 53	483.85142721248253756018822 11	555.79202056168250841657322 15	624.26990001817788083477294 71	59
10	411.97226780427875066464029 85	485.53914812935600693002542 37	556.89947640685535126196421 87	626.01928342765438219833621 74	60
11	413.26273607018504688625705 93	486.52871826165124435236752 63	557.56465917205852840852398 99	627.26839685078302075199764 56	61
12	415.01880975515511564631921 15	488.38056709001744852711143 07	559.31623702868216376093514 23	628.32586235946036193594381 57	62
13	415.45521499629459885712878 25	489.66176157795613151278090 42	560.24080749729566824179327 64	630.47388743829204587060658 69	63
14	418.38770578953477922604572 31	491.39882159366300656921333 10	562.55920761604585110813791 67	630.80578092719753264187172 53	64
15	419.86136481815232368785230 91	493.31444158178530093636060 40	564.16087911078611781387953 34	632.22514116711595195215470 60	65
16	420.64382762504178626797465 30	493.95799780536946490958309 13	564.50605593814983512224596 90	633.54685825225177748419713 35	66
17	422.07671005882675962984066 55	495.35882882213127749683413 27	566.69878768280795624151228 07	635.52380031060545381052558 18	67
18	423.71657962748181861056287 48	496.42969621575910348391891 28	567.73175790117693745033473 05	637.39719315983730717374807 43	68
19	425.06988249446134761437469 27	498.58078242968654201667508 29	568.92395517962936849675348 75	637.92551398082258109342883 98	69
20	427.20882508407458052814293 39	500.30908494169049553930939 07	570.05111478246359203852701 66	638.92793826685677019377269 09	70
21	428.12791407661668211030506 85	501.60444696514547766333254 57	572.41998413245276404527692 71	640.69479466882566762318753 85	71
22	430.32874543093863666992698 16	502.27627032711823317539950 74	573.61461052675812998724603 21	641.94549966570529454537853 86	72
23	431.30130693070359201950512 19	504.49977331342773718379126 22	575.09388601449488560745717 23	643.27888378139788936114336 28	73
24	432.13864173458856830625324 91	505.41523174224444202955216 61	575.80724714092878070942933 29	644.99057822974800251244371 23	74
25	433.88921848092722530294661 11	506.46415270952353122152607 48	577.03900347209821121663708 97	646.34819159550159203388094 16	75
26	436.16100643264698407180151 83	508.80070033646782080946967 25	579.09883467203660743128436 44	647.76175300428888379376680 90	76
27	437.58169816766858115401316 72	510.26422794367283442077951 77	580.13695936238462867271627 64	648.78640088878244077108013 38	77
28	438.62173865627219629091501 02	511.56228970037459546045490 45	581.94657626590162555150611 45	650.19751934525645908325389 76	78
29	439.91844221437065641022179 00	512.62314453140741866710125 50	583.23608821916727826196057 36	650.66868389139598253056063 31	79
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33	446.86062269642952252886087 52	518.23422314755014357385827 44	588.13966326624795641755423 53	656.96408459946061742286989 66	83
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37	451.40330844538879546211322 46	523.96053089201584048700750 95	593.97471468223102924380517 45	662.29658643110041064437826 64	87
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47	741.757335572941673275861162 0	808.151814935993747392355858 6	872.188750821613207755873228 1	934.995424863846459617609737 7	97
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	601 - 650	651 - 700	701 - 750	751 - 800	
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03	942,052341643375497874389945 6	1004,675044121172894226133347	1066,463223469242981943778819	1127,658023527215719230775274	53
04	944,188035807572744511978501 6	1005,543420304378364196611048	1067,418860120964558059345176	1128,430224613892711372106028	54
05	945,333562503045946141542239 0	1008,006704307063646198139820	1067,990000079042625467735564	1129,728996777065562175089156	55
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08	948,346646255044967166605086 0	1010,569757011061075898566516	1072,543998011121555348782819	1133,708625669456235851410275	58
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12	954,129719269551415336758009 4	1016,060178942647378130289795	1076,924056065754446887585362	1138,151589779805540729233532	62
13	954,829308938216637119513762 8	1017,266402364355406669714862	1078,647198480956364694290515	1138,992341820493635893859992	63
14	956,675479343289796023142032 1	1018,605572518620154950983568	1079,809965429259069213571664	1140,721848171903359752655330	64
15	957,510052596423722467728769 1	1019,912439743944038361671517	1081,171002343467803785066480	1141,261022964136758329982282	65
16	958,414593390136180970003999 5	1020,917475017263678316147084	1082,952749723069668660791992	1142,858659607856481118498800	66
17	959,459168807068112560999609 1	1021,544344499904651907124085	1083,295466514085606768340680	1144,782299518625341877065291	67
18	961,669572474192753342668657 5	1022,885270911716347825999663	1084,183264310430216143163849	1145,485327517117106808017281	68
19	963,182086671311446997132190 0	1025,265724197727696366628312	1085,647831208639340712020067	1146,576814924866953406051744	69
20	963,567040191612270671862099 5	1025,707944371462889237727701	1086,911998989825093115565690	1147,501776523319316091299835	70
21	965,055579623751116224926694 8	1027,467693515587770273397423	1088,755724674808801471697125	1148,615277208834019003767233	71
22	966,110754818410204018724621 3	1028,128964255497517877669532	1089,795337924074774958423569	1149,982601028107097665448817	72
23	967,371153766262854315164778 2	1029,227297443961366731128704	1090,863191026248860785008990	1151,562814723673218149388697	73
24	968,636301906087326408089905 5	1030,897368790596523560726556	1091,728472966936828999399305	1152,943128530589795951638660	74
25	970,125610556941175479215119 6	1031,833180297407762541224224	1093,440873272368634680795586	1153,890303716271268026582983	75
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27	973,185361294301194221649097 1	1034,612915529520810066174341	1095,433084758661478689667485	1156,621567833872543410579115	77
28	973,873078992653597194232563 4	1036,195917358054740253982928	1096,401917794742528502149455	1157,432314575610906332865252	78
29	974,774635065837429875303154 8	1037,024707646281749750577264	1098,841015466649861787294734	1158,001609027294966145086687	79
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41	990,223917804027972362978130 6	1051,576571843205195795578149	1112,432995408076444580687919	1173,305687764048358727042162	91
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43	992,728696336732659443627397 0	1054,781039478281349906798793	1115,065359461566605676530233	1175,215452395950775247030933	93
44	993,214580957442953707523071 2	1055,002146475685736209353382	1116,787253881214524190633040	1176,632875809788458632993829	94
45	994,404590571094491900027805 5	1056,688847363828229857524791	1117,965919669199670945477582	1177,106304421656146949000119	95
46	996,205336164298286483527981 4	1057,100043659617783603061086	1118,684134861018390903878122	1179,701223501933898032583977	96
47	997,511934751939229211029840 1	1059,133769106897146229421300	1119,473247426178982901861447	1180,653543787084385330873970	97
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50	1001,349482637782737122103310	1062,915381507880563602453375	1123,101117387809200166664456	1183,712775295974315349890398	00

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02	1185,875358695356620012619089	1245,655866188147822478803875	1305,401672188004384663012316	1363,879190797134472437964698	52
03	1187,345161493267309955546584	1247,372561969855643915704176	1306,508393312968836971733721	1364,576584896753972641279746	53
04	1188,856444298229306788806152	1248,063061053208198685149450	1307,267242107802427097784151	1365,493733551295247265435774	54
05	1189,963636497918443343748637	1249,159887953002983340583314	1308,988196517643387242108335	1367,104090970008230879955155	55
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33	1684.558863252537241861381581	1741.779167808727257289365647	1797.37633567113676985569107 5	1852.34220473338627723630251 1	83
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35	1688.080142693176588436740353	1743.426436858721626521507841	1799.23164720973740040006461 4	1854.85563211598672777001934 5	85
36	1688.933868509784624056562112	1744.721511937699789776716004	1800.02472401973915456811822 7	1855.59293493705546731787071 7	86
37	1689.703154256179788865819394	1746.097498595632694981088898	1801.30963694528799213107664 6	1856.38917915352385446758373 1	87
38	1691.051559916893075944593410	1746.595456627128205571697664	1802.30128349145056985835964	1857.49807481488018603013174 6	88
39	1691.515192892035152299187161	1747.781695527752417747951427	1803.79684381336595772524292 3	1859.49527156879445997838504 4	89
40	1693.053020930197146867152900	1748.563987381080216827565473	1804.90416097481201544791025 1	1860.54138810933681348134676 7	90
41	1694.017564652607856866831463	1750.822818489839100496969714	1806.28966701949778163501097 5	1861.37967154723285346252835 0	91
42	1695.832554474187265513088078	1751.617794946251114836818310	1806.57839175096392558104889 0	1862.12146492894421488154690 1	92
43	1696.654997439785656348972200	1752.511511140665935993365667	1808.71443186547489035650788 3	1863.42546484509648600656312 5	93
44	1697.342514286564009349294605	1753.661355243139538151920087	1809.11927378828733095646767	1864.35398133574625137553128 1	94
45	1699.229547187643018792872352	1754.763369874252878074452210	1810.10889298798580454681504 2	1865.36743379405789010567829 1	95
46	1699.966817266863858564388383	1755.169694068142685182723627	1810.87371915885471565348264 9	1866.83654701860819133992945 7	96
47	1700.820303245006238733439289	1757.046518460723108432760771	1812.42007700210551902684657 4	1868.08519099860922436600937 9	97
48	1701.825550997047417233553919	1757.984077032818179991452682	1814.02414034761551342361719 6	1868.70674568440811751967084 9	98
49	1702.923249764490519399324115	1759.240085646681894957162858	1814.97308236349584902590556 0	1870.42147176831079015170899 1	99
50	1704.291412426679760281343751	1760.215166242762324185107829	1816.33861121967463728787766 7	1871.41604309840714532601977 6	00

	1401 - 1450	1451 - 1500	1501 - 1550	1551 - 1600	
01	1872.44156642819271758850882 6	1926.82009279487157674461664 7	1981.74876889726348374031995 5	2036.52752648337032671654093 1	51
02	1872.86566763796768000989191 7	1928.41751854951944785883422 4	1982.66327919527651402413393 1	2037.21711109434089156312456 7	52
03	1874.50836141266013533841859 3	1929.48756018057648998725913 9	1983.92380462226065967109831 8	2038.84173825086775015585659 6	53
04	1874.91377401003954146858800 9	1930.25838718038732579702653 2	1985.41654017452674022185557 1	2039.44321874010445184951999 2	54
05	1877.09506416733977461243961 6	1931.76006943652461401137792 9	1986.75710771641519797068435 7	2040.83911967313822388782476 3	55
06	1878.02225148275347109890181 5	1932.87575454994691777883675 1	1987.87347336072431737889026 7	2042.34458625060420889786219 6	56
07	1879.15330309046132857173681 5	1934.41643636915190341641291 9	1988.25187680735576602076475 0	2043.21711656332396447892131 7	57
08	1880.08232541899437976330118 7	1934.90794343436569751001757 1	1989.70200270802161892646262 3	2044.12159329166749542513858 6	58
09	1880.61176647965686741416814 6	1935.92484880374569484452689 6	1990.47835252642699164673648 9	2045.03732085981482092543135 0	59
10	1882.32197479738468405781189 1	1936.87309381427890238671110 2	1992.00170639352790271547735 7	2045.80276043156193542844453 4	60
11	1883.40872426951836603071816 6	1937.96863349801995771964771 6	1992.78498787515757278173655 2	2047.09833634560713227460924 7	61
12	1884.00577834966714235678843 8	1939.05002915054412571681447 4	1993.57749313825998463942909 0	2048.45409406616111239330610 4	62
13	1885.19807513025812287600711 1	1940.97732670585993599300231 6	1995.16873961188853774810673 1	2049.84752560571606926419500 1	63
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15	1887.80884141683212952716247 5	1942.63356869224615091457272 0	1997.39091405961144931191475 3	2051.71838819625631916191976 3	65
16	1888.93818263657945499954985 1	1943.36794744925274910700673 3	1998.27900692598482242216211 1	2052.40779019240101786740525 2	66
17	1890.34812861424454559739640 1	1945.15379630636795958425128 5	1999.54576417626758890384329 7	2054.05991689848573425842844 7	67
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19	1891.67851053972878785125110 1	1946.60994536187741031127988 1	2000.92962068918455514409812 6	2055.57260289904887217876021 1	69
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27	1900.57188427241483383161941 3	1955.31580928371838868603713 7	2010.15332476755932640844316 3	2064.30486769963414808315493 7	77
28	1901.89130575060006508056805 6	1956.84816457821550855463660 2	2011.02070507365005757108411 7	2065.83267228191146470768324 4	78
29	1902.80505920668006298335391 3	1958.31440355512035856496489 4	2012.53893547742174533235831 9	2066.98522937798528735123162 9	79
30	1904.08932532335174208897918 5	1958.85188346319481384647042 7	2013.87209771399082626479887 1	2068.34563852737009471579420 3	80
31	1906.10275619818195650204663 0	1960.41884526938179676484812 5	2015.18672860870628290959218 0	2068.66994108281269416177589 7	81
32	1906.59767800376621539360392 4	1961.35927788001437950830018 9	2016.02963803237539352338410 0	2070.50471759344597515511077 3	82
33	1907.33278012390992634603714 2	1962.23357184857979807258039 5	2016.80007565584573253799264 4	2071.37708316975859644990897 5	83
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35	1909.46593002598238025395599 6	1964.35739093809559720978424 4	2019.26460021606409976139415 7	2073.39760371576840662721589 3	85
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37	1911.70469094317215862832155 4	1966.11765857407452647416076 7	2021.19604276889278802437958 4	2075.02806554483215663320340 0	87
38	1913.18248977588307681363988 0	1968.47160201942044185281062 3	2022.54561768468826602996986 9	2077.11757013687720702200205 9	88
39	1914.35230005167405267726945 8	1969.04761754652782861505475 5	2023.57291177710074784827168 0	2078.15548463921428407554820 5	89
40	1915.05462933334721857091584 2	1970.30500951703376140728622 9	2024.48826215795125029737869 3	2078.93928811487690236881218 5	90
41	1916.60637183951935379041503 8	1970.85554757994594430891500 6	2025.87890620248156098977190 1	2079.56762846189322735722700 5	91
42	1917.34470404156634552291535 4	1971.97031280481138664025491 9	2026.73825891215209765390917 5	2080.91034345756128792213418 1	92
43	1918.78649890985678898672134 3	1973.18266340593867969173104 2	2027.57331705599754241233686 8	2081.79968656357714613611347 9	93
44	1919.20777839780523826396952 9	1974.34720191012008525870464 0	2028.58245935403995163188966 8	2083.30027685882797571083782 3	94
45	1919.93745737121720389659361 6	1975.08061030226699355602766 0	2029.38547955096664737916845 3	2083.77999255016739758436496 6	95
46	1922.10162562199370344218901 0	1977.17394369803987901837668 5	2031.75055069061873696445425 3	2085.38981369228598667559112 6	96
47	1923.28083793641744205752968 6	1977.27144619974651074169663 2	2032.42078085628643022469859 5	2086.58031853438142152199795 2	97
48	1924.05583110144084951951002 4	1978.80144816773152963153865 1	2033.01789274566981581016957 1	2087.47334098785801634805009 5	98
49	1925.23198797540652941198336 3	1980.37177228705133692713011 9	2034.55482878895616508657417 9	2088.71228119873258118941839 9	99
50	1926.21158307989407845836328 5	1980.91004309102423325504438 1	2035.07744009630407797609350 6	2090.03620675701694157350419 8	00

	1601 - 1650	1651 - 1700	1701 - 1750	1751 - 1800	
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02	2091,221580661131263636869492	2145,505753734180824039627220	2199,302965320969583610066964	2252,678432673838856581410904	52
03	2092,473218110071891742317606	2146,625894475511517827017017	2200,351020913263048427462485	2254,562246994389553108462507	53
04	2094,335917468631955154829188	2147,785367345630833855220488	2200,915953025551824504694199	2254,759079001303995297452668	54
05	2095,138256660294823669283340	2149,151849382889221886289068	2203,277453730646011342180751	2255,824565571536941238408098	55
06	2096,346529979252588528502926	2149,910639858102119005478010	2203,906364583773548146897147	2257,346384683132800660565377	56
07	2097,371606357192894539270651	2151,776885116465025947985794	2204,997801754830107949104578	2258,501847291145838169489466	57
08	2097,951922199887039635414732	2152,390226596919655112432866	2205,855761245543920529449325	2259,517842057384273982980940	58
09	2099,311651265061347463510065	2153,011964165386528639099433	2207,172161914952220288887637	2260,890259416800265121190969	59
10	2100,593745236861240663834094	2154,263623952320336028675075	2207,802741336736954730745859	2261,660064449481099011223662	60
11	2101,135489459108414918273086	2154,935345848225473123273305	2209,153744400263258074146342	2262,674430648209799538701923	61
12	2102,535100215297700958108874	2156,394727255681689229442681	2210,208014989250364449370027	2262,878305381161112230151229	62
13	2103,390454808714039348514756	2157,856489565353127032111315	2210,850941099296166739204014	2264,676399705770246638193746	63
14	2105,372206591799897773388795	2158,878072291083204488174192	2212,343568400036404349869525	2265,768446115469447788882733	64
15	2105,994704339286241676884019	2159,902286017170492481155025	2213,700256248436090459334793	2267,384501067544035832233656	65
16	2107,172362432443341469705391	2160,853062328184191260621563	2214,949925632092495772632853	2267,879175337166069873946254	66
17	2107,617911407514327794275691	2161,692172189209531650796080	2215,820565690645555032710022	2269,226998261609550659237248	67
18	2108,938384889015335597987949	2163,107122285732380342668449	2216,296375887645193428666788	2269,919103216838346848388112	68
19	2109,963143181267582022437985	2164,049720356357350273506010	2217,469375116225193432525859	2271,326282468066381371305890	69
20	2110,822371848131822017465609	2165,011437174314295775248101	2218,521006913395296268516627	2272,049015701237658460441318	70
21	2112,907087523190777713859148	2165,503949023375744210702306	2219,799815698361061789549845	2273,347534053164474274792338	71
22	2113,483966448430801284967930	2167,693444254746848034185579	2220,852158848914182607607411	2273,956289145943056055512195	72
23	2114,396137325889992385977941	2168,890615851853982383041364	2222,636604588097467856896260	2275,068664775971333509602637	73
24	2115,506602794684114453519933	2169,263829283364955071557241	2223,055057918810407973036356	2277,079317756623523062807517	74
25	2116,900056068394727573853860	2170,787074973015736611502975	2223,777772507214529978820884	2278,012628393305380980863647	75
26	2117,722399441362978078897660	2171,396361926494691625652739	2225,564645117169426005229884	2278,525942155784191746960418	76
27	2118,618646217029262713151929	2172,250962827516326407028846	2226,332734405575587132704852	2279,507305841119493754732196	77
28	2119,456428468939276684167707	2173,528296969316612154216666	2227,246229376595376532187446	2280,870719852586209260019213	78
29	2120,691562591843950542791599	2174,748020803476645526704780	2227,970573882256309379833413	2281,356483614546293589524872	79
30	2122,465151174928362415617357	2176,204119466215638373482620	2229,127958910123303939273386	2282,690375137647892348961529	80
31	2123,344042303462499324835279	2176,939451698977405984224536	2230,898690856217248629392317	2284,056011459351377862035859	81
32	2124,370368737568878200365557	2178,004209154761124386594338	2231,977154074073314006073964	2285,222242364866503875296739	82
33	2125,512400029151939221741182	2179,232185029747187483630872	2232,924853868966181778426591	2286,149814140564054168645911	83
34	2125,958784840373305395253950	2180,495318259278780744339888	2233,720222250312906190766920	2287,046158671010604166010393	84
35	2126,975711192557988962679723	2181,252367010681768361235447	2234,814934531326900014300455	2288,578849445764626369873851	85
36	2128,752290554262836645244594	2181,725783029819561812588328	2235,546662135600063188542723	2289,336284710134150106620469	86
37	2129,406080228328442997538795	2183,330584017279937627069763	2236,773643845099835781106978	2290,241458210855731249567256	87
38	2130,555102283235916685014803	2184,103190760680534924828557	2238,154799519297615396552827	2291,097663612112011932513508	88
39	2132,080620992942643171180820	2185,965528320683109004492938	2239,167743960236659464470441	2291,928901252490557180191685	89
40	2132,798516467884154644985004	2187,085690959372521088575431	2240,021209470471096399310613	2293,896145106086756681450865	90
41	2134,154933985037924172455068	2187,798455877827899041430968	2241,536186523766402052072957	2294,687918411714311439957198	91
42	2134,950772504315672128920033	2188,558763203088543232259963	2242,621180159379481080589056	2296,115091188330346115294906	92
43	2136,086897524703213711696960	2189,497072902605391629206738	2243,373668418961998535763651	2296,998522472515126633932469	93
44	2136,967470548471870359072927	2191,093363045749275649660771	2244,370701700430338609059323	2297,372647579809593948834467	94
45	2137,509940525910913575812679	2191,778017400507988688862891	2245,565286531271342234985047	2298,612363365660205666884880	95
46	2139,380759985201107577489735	2192,826770539861208746918387	2246,016558178285626968099591	2299,961577620089686754623140	96
47	2140,949362639097040588205167	2194,231530050449700562117761	2247,364431251229392022478595	2301,234125798830902957743067	97
48	2141,710035960389950354974843	2195,231687681255784973870062	2249,550198573537092658359245	2301,454840351728464478866042	98
49	2142,355043196035385267586997	2196,715977666758543540944518	2249,770766552723961276492584	2303,295481982573223044669907	99
50	2143,374444180537885595292351	2197,258747040205904491145551	2251,046641941553166316283645	2304,305138670374533597112821	00

	1801 - 1850	1851 - 1900	1901 - 1950	1951 - 2000	
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02	2306.51773307000353510632204 3	2359.43485907643986683513286 6	2412.22293583728404167078928 3	2464.92781636122340855991071 8	52
03	2307.35555337047808313385331 6	2360.31428508952633865152392 4	2413.97612319498340860647470 8	2466.18309701319272340621792 4	53
04	2308.21028463476467901254488 4	2361.34254164193263156333453 5	2414.37987980127049587105421 0	2467.64086078377902469819037 8	54
05	2309.37035823952911702346928 8	2362.71831792292138103333802 4	2415.57689346599410581242214 0	2468.18681630111524323846325 2	55
06	2309.93112238418362292454456 5	2363.49561765411863386755964 3	2416.53405462770393930037330 4	2469.33626389249748922952295 9	56
07	2312.04799644961074357302585 8	2364.75117608911701011122334 5	2417.27808742177219310897199 8	2469.78148503152402430908619 1	57
08	2313.19091417074789932830942 4	2365.19151506413191656457935 6	2418.22944326735738746036743 8	2471.53929774199671694863020 5	58
09	2313.68935996722396040792344 2	2367.24921984295946847789433 3	2419.50791716307124546349652 3	2472.33641758948227106736968 4	59
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05	2520.402323518036163973880941	2572.368208186207413775216424	2624.909501777169639509346149	2677.246193893199507580693738	55
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38	2555.050875291359249168982298	2607.003639114239009673556797	2659.658316020859616586760129	2711.458227864114997837425152	88
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44	2561.405635747573315478714129	2613.731929438305032823638874	2666.030101479453968648604598	2717.665774871052640547113327	94
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04	2727,274459431901557803273114	2779,127539134050768659383365	2831,128425437187258500388544	2882,153646390636910794871327	54
05	2729,395041668594912117859196	2780,771118379071538600706903	2832,416550857943840752292761	2884,013657552839766672379835	55
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18	2742,254107878248024691441320	2794,238093335275467696773253	2845,025433610480155636918262	2896,825405168247547358461496	68
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20	2743,953469810087824498557452	2796,034761603657805198702576	2847,535935529730751967492375	2898,541353179907942086946270	70
21	2745,321831898192903945407434	2797,174539351897759421513224	2848,770308555407354207727106	2899,177779836548361095888228	71
22	2746,714798952398406870846787	2797,972901229628421460709287	2849,797086647209651712201459	2901,263850361997178504857401	72
23	2747,514097998184117739117452	2798,798140177045477205474382	2850,471888197435347028499782	2902,065102481250127796320686	73
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29	2753,487796417396150788929417	2805,205300363064447173335135	2856,816133543913321204867376	2907,605736911210832134910514	79
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36	2760,657151540111706148679760	2812,861997588022148609888953	2863,363589552191153972211330	2914,802702223863609720006888	86
37	2762,082880142575299998582602	2813,201488028300935978791161	2864,911426758851445613132214	2915,685975327455177689079409	87
38	2762,444580467694463148621355	2814,656757980595164772593797	2866,493209755929753472365540	2917,274173441487555351694154	88
39	2764,041846252089083051879558	2815,838653992747667445262834	2867,149356094087868215507217	2917,982416701912520163858910	89
40	2765,407691146482925770700612	2816,337954815325156730237421	2868,224163663090438520984344	2919,321772326527278134587018	90
41	2766,157035589919061983823600	2817,458907317419326169611248	2868,657629194218364434257376	2920,615555992141325266987457	91
42	2766,887269747368007123942889	2817,949462160966947215219578	2869,843456574863653169161413	2921,083198937259828575728263	92
43	2768,664523888139108086682273	2820,488842021916584974106467	2870,909506375380920701688767	2922,396084557395077441944009	93
44	2769,144698796099990228122621	2820,660841053781159955141119	2872,023511113548192303789751	2923,390932357376606244934293	94
45	2770,279093643343192131830791	2821,891930074870971273233640	2872,858555183438196862383883	2924,333434993952654048656151	95
46	2771,017392142684773197473548	2822,923026217023214857503665	2874,569154072845864690231940	2925,261509119313312551942277	96
47	2771,896293661727721094240742	2823,866992056607983967687214	2875,282119166366557731876055	2926,295436226225759123123714	97
48	2773,029713424294844601319769	2824,281884122039627947518726	2875,889914340386435726439322	2926,624014686465896988321407	98
49	2774,670010731832631333589186	2825,872656689750757996877840	2877,546649153796206289066508	2928,761073846998261471974271	99
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02	2931.069101109814732085461393	2982.523719895924638061633545	3033.218123972953621517453206	3084.838451504293315594438522	52
03	2932.806414415832769005010626	2983.825333266519404156229746	3034.360907192326893515848515	3085.377268993634213100164189	53
04	2933.174857162008290084311832	2984.639177804446568973251186	3035.074103947537975814394554	3085.965522259310621677289516	54
05	2934.290717835787845931993598	2985.547666235421072150717565	3036.133113238208023315675600	3087.018815358645356167381688	55
06	2935.552463705747991325899043	2986.805393383297834851760621	3037.980383590468515741819421	3088.083437042039377790693379	56
07	2936.550374848601820241496430	2987.856151502432137454886354	3039.033651044210199536902971	3089.222308944517806296120563	57
08	2937.708958981568237873729791	2988.634699666938808340887892	3039.521601571572104094387660	3090.282194902934828373464591	58
09	2938.581220350578455150905811	2988.855046367445202540788324	3040.500427564659896173198684	3091.154469698493384814021635	59
10	2939.847529162593991235523935	2990.423270573698602405376800	3041.256803549500078238283940	3092.687667040026927096668760	60
11	2941.261601534687117368538183	2992.163668675063220175136701	3042.653049854131717950739605	3093.185445717523947539847299	61
12	2941.425217756342247031114516	2992.868866378301013829202967	3043.670541621770201213687875	3094.833068430116325158114456	62
13	2942.724885865147488694871322	2993.974353092848010375763382	3044.055127981914396199233888	3095.132031239453814405048999	63
14	2943.353684960178375485354474	2994.865507046753948241651784	3046.050030224876108193261542	3096.515485512936433287197312	64
15	2944.321648794483433337463452	2995.540266915501954267219292	3046.454504219288440377528207	3097.342606530991476389750633	65
16	2945.944499285887025994072338	2996.736506016221763597077328	3047.708817640889868782236639	3098.038354972964634165924044	66
17	2946.922394896188350750900454	2997.647203114442794777892966	3048.922632490404911869106795	3098.758089848813226278056307	67
18	2948.374261864690537504868751	2998.959301098028931730727858	3050.019676757212170145260459	3101.079373086579266201902612	68
19	2948.867577209394886742292338	2999.494492994594582969443040	3050.801233315720913693504154	3101.657370790144796557169451	69
20	2949.790143025785909072104500	3001.023331162879569093123001	3051.342383341480500386288620	3102.436089122718192537554426	70
21	2950.521108352418385063420402	3001.707332456021018183755291	3052.476848524261227364355199	3103.589916059588484008099117	71
22	2952.283829638947545679278492	3003.477042852710594846712825	3053.348265936952123184665026	3104.362546341633841029486228	72
23	2952.827176583511901030870072	3004.290975917310578015247482	3054.986520866536587891162533	3105.391402369857702780306705	73
24	2953.589030993758808120106834	3004.662308408249143093190469	3056.242923309730601159816771	3106.396352646055475600068280	74
25	2954.711275290933562727810348	3005.772929284508010637543545	3056.765138112965000587545167	3107.484255857023251197456871	75
26	2956.258730424157120002825442	3006.990738364633401842891118	3058.013703009701794146336423	3108.303596266206330599603789	76
27	2957.236259246842562201736662	3007.468699216470850556117086	3058.901494963164311768416319	3109.533099790356772031649803	77
28	2958.290776254197002720781226	3008.882120872393042159338081	3059.437861758112786044890921	3110.557200380325680212217503	78
29	2959.221014234687151865427541	3010.514962129244277443409423	3061.062700117590756048600294	3111.920727714090283124906777	79
30	2960.033617812008374302362864	3011.344380180512230899849301	3061.837584445267609550764245	3112.840737859373152902210154	80
31	2960.814839266220228730630083	3012.074694785866823960860732	3062.726873164640149674663148	3113.755213669486739332791020	81
32	2961.825970575348591466113067	3012.788450548678345343833985	3063.435086485018649025414063	3114.473416203571962329657514	82
33	2962.819636335281423816159243	3014.459082206681916191510406	3065.286555585297205549057739	3115.002672413544942605385756	83
34	2964.633921494808562758066099	3014.911666502729305189434366	3066.320250404096287593960168	3116.720450815901517869103127	84
35	2965.398341584290916853250443	3016.348394169977961869568699	3067.071320241176116647277380	3117.269723386899507206458705	85
36	2966.065269745648101403237049	3016.700060812629197002045965	3068.013501341795335307244927	3118.955013666124334567056513	86
37	2967.270190426496198410396951	3017.783440191593068822171549	3068.984266185526200890241553	3119.957556604338744135653528	87
38	2968.405348995407544712877766	3019.461775780365950075222222	3069.782904779767485328251181	3120.986214975677487578649186	88
39	2969.401136655698809674131992	3020.487633896939095244552026	3070.542621549808185443788847	3121.337219762925804002362938	89
40	2970.049930110913633646237642	3021.420400692511292958161792	3072.000993377915675916943876	3122.610128875347619264061649	90
41	2971.122238124934487754082426	3022.447483793125912477866187	3073.185237779942948672921753	3124.150225164329871717379999	91
42	2972.308884109068754752861374	3023.338509067940910824846006	3074.523494285210268113199475	3124.525922645768604264817733	92
43	2972.811686391357692492660889	3023.930996073902266231671724	3075.033872877410706842824800	3125.374414721102146560082281	93
44	2975.018020412780896122993418	3024.793963871217760710637386	3075.833479242464054914139160	3126.450116434820057246934097	94
45	2975.619957166153440291090807	3026.510826907845434071326666	3077.427473306812314210882750	3127.693012373442887604237051	95
46	2976.526232137094252540534353	3027.299522807341472230390559	3078.286226917969259012236023	3129.468612609748064155090891	96
47	2977.553574913470252556040402	3028.401522528630682094523175	3078.897379147135008228639566	3129.796205505420792431829158	97
48	2977.981978512600202759177960	3029.499388369681240645992553	3079.871394642813721631306096	3130.877663729773828277276498	98
49	2979.319042212011449010751718	3030.594529650982070439919147	3080.856382341972547498089884	3131.861090216301755055874246	99
50	2980.487381006559362305434672	3031.289217468061284917539626	3082.163163759071705938955402	3132.698331366237529557117519	00

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02	3134.635445901257679548082924	3185.214344580111471047418558	3235.154617182366475812645154	3285.682259710460894108015073	52
03	3136.015560752041682107910237	3186.545869429537191384763829	3237.087579531708591928814549	3286.718540342294644164494064	53
04	3137.175172666931396203768156	3187.646162708372385641980491	3237.998236326712589204577902	3287.773091992666597975722312	54
05	3137.613495212022960485008391	3188.055482329445955800902750	3239.090434562689812449768484	3288.936972845327159588979187	55
06	3139.049508498465517194745453	3188.877460714955629600238214	3239.767314075239598015810192	3289.724306536176169076498247	56
07	3140.138494141052536644578252	3190.168661962152913633517009	3240.605747277956862198710953	3291.385725928433722910610562	57
08	3141.001174828240382251754882	3191.706256362774499918137325	3241.595312938038556595314307	3292.222642049285009899049139	58
09	3141.748032542883879408380001	3192.681791617886826657247533	3242.568307582365359198249200	3292.856716097554634971768718	59
10	3142.979456728038722337400528	3193.557208472454684074536025	3243.501652711279887198694887	3293.975869245585136093181935	60
11	3143.567499183578249704916548	3194.786707378558122382917048	3244.884157091134580115654106	3295.266663232727327626467400	61
12	3144.490488145513050688510842	3195.326699929210305035032397	3246.040157816239797720051977	3296.021754764672060302691572	62
13	3146.283528375944452145762858	3195.793895633893094622503584	3246.841676161959525694159087	3296.873142162695473488951756	63
14	3147.344606625530372574765398	3197.547165656594029249623394	3247.570503533836460579107803	3297.836842310599282397956468	64
15	3148.379041870468193505513274	3198.430125767817789743552076	3249.308085747434814590988303	3298.357878621563441293689583	65
16	3148.861228783806526541778934	3199.248977114246401054547615	3249.906446318444415967391993	3300.450576192250525004254948	66
17	3149.771738698990674432252235	3200.663270230745592276349751	3250.613324267405035189926799	3301.413776304367833885924345	67
18	3150.824652722363499829892393	3201.424866361197312549626579	3251.510637744017582969145392	3302.017097665604490509950420	68
19	3152.151059465736636027461493	3202.778286500735847541118467	3252.723990907270687158272287	3303.317261841697262716518574	69
20	3152.994559995643581199062162	3203.630891152625213608279176	3253.369017244108257992216619	3303.813719205759852144815837	70
21	3153.596976529534068961118145	3204.557410187842267700673803	3255.142076592548407877776732	3305.076177240834331712072105	71
22	3155.312108217669944971217284	3205.497580563342251883903631	3256.346612817957653999222303	3305.472088698530180208821061	72
23	3156.300357949570972091547134	3206.228893303829962014360164	3256.941943204737039133354480	3307.221711602476425917366497	73
24	3156.905761454446546379406793	3207.270062357430561030770973	3257.831340012825337977777862	3308.045402223318982748746664	74
25	3158.578287707936079910986187	3208.086133891918222198743206	3258.706714275455053401279950	3308.832877512969198407602282	75
26	3159.265204659911244661193187	3210.352420539766727082765079	3259.539730686039659248328209	3310.235706773842968521380814	76
27	3159.804097579086976713423213	3210.670388299201819085963299	3261.192124420504220716953000	3311.155306118272885010959882	77
28	3161.061912577755098001947773	3211.618832522934956564643259	3261.535312602183417692444666	3312.349459450510319123683345	78
29	3161.402435207892094347917110	3212.319227342931599790942572	3262.718968694528270682218042	3313.199876672725445138307783	79
30	3163.311959557827161057799456	3213.606498798172233731539202	3263.784940489126472481759917	3313.842662273157149996819203	80
31	3164.350531320929594838280284	3214.667562488094309240021990	3265.198771600650621898284562	3315.015013827979910053970293	81
32	3165.540597893829483147519757	3215.325298903735371241087856	3266.153786419935795400039979	3315.619742540924528601965499	82
33	3166.139586713599158182864305	3216.491524692370902474142519	3266.803954479647297578388008	3316.752453417716025589656362	83
34	3167.121094757281260107132064	3217.430804778290282172144027	3268.188517855567123844392231	3318.387470170170478675354649	84
35	3168.197515713895221076808831	3218.659983744025900190398530	3268.909408588716795153046955	3319.412648993159293997498036	85
36	3169.179764607856546469708657	3219.639171305585305037366807	3269.516785360248099212780397	3320.476699682049447244704242	86
37	3170.014131565626253552258731	3221.198341682969595145049860	3270.310803457827130573293113	3320.887941461201672133704425	87
38	3171.343958069062042805581810	3221.609476301097409403825601	3272.019397610781094887447527	3321.663572698610211015801841	88
39	3171.837774346067805220137526	3222.813840822902448192448453	3273.363032965270158222177591	3323.490923179791719478370066	89
40	3173.011633917278397092886966	3223.372566375255521104614222	3274.059953011724818136297921	3323.875124914086264401144580	90
41	3174.815385976386209966237563	3224.213706519638820464635964	3274.863567637972572131821067	3324.925684145982695330114586	91
42	3175.528722743695324337451329	3225.366715964933818897246071	3276.124154984922090626336232	3325.691627038581709125748717	92
43	3176.480343516462564475872019	3227.044102374515354443509116	3276.694554681215401362613923	3327.338441751472176750510697	93
44	3176.915636009212935539447711	3227.525149515495061180532628	3278.059478289038270402536622	3327.988269208170175297229645	94
45	3178.371705005000814341866285	3229.016311629955350973030682O	3278.986193732023865913671338	3329.465583948409625625823228	95
46	3178.902595536046510146304015	3229.981066960499388877112665	3279.489509639634966605547306	3330.290400360130219844493982	96
47	3180.011213372893851882619249	3230.336636732169461220852320	3280.976418713721355348798866	3331.299404161488370421858177	97
48	3181.328501713206250828388470	3231.741347918256233972564832	3281.706690820621758867750269	3331.892288243776279000783700	98
49	3182.839446920271252891961625	3232.738713124808378130141901	3283.239124300114450886535771	3332.700898576001118556409290	99
50	3183.205673345926898205754942	3233.913360603034175725564040	3284.499863132438584931466406	3333.781382961371509303427967	00

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02	3336.575968429255216961522318	3386.166295750419583665820832	3436.183607569709236904282145	3485.691497728213846605443417	52
03	3337.044211896701205873614074	3387.149564459346429834359531	3437.219161606905502377886248	3486.534339669457376093997384	53
04	3338.150407356324767411543484	3387.808777785404583277855336	3438.212616154324993944634006	3487.539477842766211765716687	54
05	3339.256673694617330510205352	3389.091880156599137301502737	3439.112430154170636995581820	3488.455776622254130102385032	55
06	3340.117152697458989076575151	3389.648879040879658962025682	3440.229299588557141384727013	3489.665123316273469850096959	56
07	3340.972263637847411333427988	3391.481233731884245223055704	3440.844025770543903456732334	3491.550561368235949774884845	57
08	3342.211554859256917301118106	3392.147572630774221932890597	3441.467977670071328835465700	3491.811099965335454304974379	58
09	3343.051722278339127690411668	3393.651785893134350471732729	3442.683392445439200520796796	3492.414435580418254574608677	59
10	3343.604908509592827998399939	3394.137666351393647832379696	3444.036570701737662629919471	3493.720613082722983625876506	60
11	3344.852255868193444556363501	3394.991106310709165727656206	3445.277432468729252246660641	3494.816408481537232133219271	61
12	3346.848430816562101350415988	3395.614850938400898704642833	3446.015386158297972475766176	3495.988931967582387074883342	62
13	3347.397830990955097521355189	3396.890066311007586694208388	3447.158925420623274971456804	3496.350361363768646776684391	63
14	3347.936001610755013303902574	3398.271677189199063867005595	3447.700517605005566453896288	3497.372960542280375834218697	64
15	3349.301027926845964516228644	3398.841197219905910066649941	3449.497002715466151504691983	3498.576136539015893061389940	65
16	3349.856252114765060397869436	3400.322476548554032914662741	3449.685001064480410114190329	3499.686553821129431656350681	66
17	3350.803704024568128833595446	3401.387450697162306480685977	3450.723487592525115796663570	3501.145919590462206622771041	67
18	3352.153804096605706354557507	3402.000441414939204718611944	3451.940669427532542598583453	3501.897095232891164486616918	68
19	3352.845364542639274646330560	3403.008864820184442926540293	3452.569816771665424608259998	3502.775867948572880732749521	69
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21	3355.483680305992166158155265	3405.132918695120903243309025	3455.488799434788307255800698	3504.588927774941226318413414	71
22	3355.880578183322015092158978	3405.809942804822240945243583	3456.258614559289426050508481	3504.992627195049954816113277	72
23	3357.198154118336337409112451	3406.679482811959380378836888	3457.184172894584782544098542	3506.860778987002883813091830	73
24	3358.402699623420513391358866	3407.728314289522088749113610	3457.573598857840152203968006	3507.545273797332293111854546	74
25	3359.359283067236631377565866	3409.578736852470681075997344	3458.665410624784369257892671	3508.772500866958054949560564	75
26	3359.852404381293300519676331	3410.424565211906291602865440	3460.046064018949500232569167	3509.636408038272356329351443	76
27	3360.584153298317460106201419	3411.223633497277598977329987	3460.484230469053456704774152	3510.845083644571125639211416	77
28	3361.887588621121048412545131	3411.855830275976530825614839	3461.915971198493839079240313	3511.731091112826518679587473	78
29	3363.233878348850935833164602	3413.219036005346837023749777	3462.896732401836350478465776	3512.473586842893230449015488	79
30	3364.355763553862370287170507	3413.710819476650165120963774	3464.083832160314466916279766	3513.877573873796726162339390	80
31	3365.600957468561539405846781	3415.006415297804673981426585	3464.977695252427010404308321	3514.366752243940512150630249	81
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33	3367.055542539618594379441412	3417.201725527572038894263057	3467.204403986263500585424098	3515.901814498895018015694711	83
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37	3370.997536142718299903782356	3421.307537318235312433500224	3470.214108961448584664789958	3520.491665965545825865934746	87
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39	3373.160140925225769804216204	3423.128594192328293958970009	3473.168763395135590199514823	3522.382212893841589858856468	89
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41	3375.379955756309035727629054	3424.728989863384135984386739	3475.219106732750567370384909	3524.215220737581104589162184	91
42	3376.298386044195575790358700	3425.830917735939438315602158	3475.717792819430855617280419	3525.386566637036723925035002	92
43	3376.820970848442594658219400	3427.431811005699783990330474	3476.519931770807459761251086	3526.670256711327234795149783	93
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45	3378.780608494869047029916304	3429.077161459129134002265606	3479.049830179214139446320613	3528.351824582806778596446419	95
46	3379.460192668086182018732612	3430.158809529325825517425165	3479.465965312698372925499292	3529.955744345950771179874072	96
47	3381.634647447098373954794179	3430.611618680173590072459809	3480.682915950611512287431592	3530.835046797711815440115385	97
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03	3536,633250705505307203466606	3585,684448661568814930473034	3635,673633427948447650607354	3684,859893088268220097352719	53
04	3537,708013056178211576797868	3586,840745006095897797447494	3636,439638357045251172990865	3685,974442142427155922399967	54
05	3538,500568907352958726009387	3587,968813667965440760056682	3637,540657717949292915549884	3686,271337180935382280408047	55
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07	3540,456758807154447477661871	3589,745006545045819187021179	3639,679806517767157831345679	3688,177027971996118448671414	57
08	3541,357522375370674696041326	3590,983471293056933506470522	3640,362976494269673796600427	3690,184258111030655673127247	58
09	3542,340883917586681125541751	3592,405889080009609201423020	3641,010538146349407549986550	3691,039162252974917217844229	59
10	3543,322306535336406728242894	3593,028558839785969099466389	3641,707123241174429619248343	3691,756939721431318257151350	60
11	3543,816796286908503061974625	3594,227274785490695903371417	3643,479573648180924715069324	3692,647653927345996832360234	61
12	3545,699212171315652050241111	3594,469272698104701522323874	3644,403358341780687500524857	3693,370984735038681316838998	62
13	3546,864134595260489504879029	3595,779063753882610927310449	3645,632116643506368662373090	3694,791126717894572904107480	63
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15	3548,351252963577545927832625	3597,802641294575121803140210	3647,284261680403813188369585	3696,121982633589127833367667	65
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17	3550,065059225519704829118092	3600,166323796782349381540974	3649,166164131527840828171365	3698,547362766514283974447916	67
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21	3554,165034789487061627343234	3604,248053633486021662463165	3653,088326196389338259499846	3702,460155933212898287441210	71
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23	3556,065234535611866863887727	3605,494474971794832198848147	3655,905726441463279154077769	3704,209894382999447377713152	73
24	3557,427102352920707684813107	3606,359317624099887487464496	3656,334529766239875427285661	3705,129228187902331167876795	74
25	3558,349345038406358629043867	3607,574809645374461166551177	3656,892829633305812628481943	3706,294721355962656966035621	75
26	3559,265664699892158720735496	3609,283333034273279729622602	3658,129372193821133813404562	3707,579055361439022674417486	76
27	3560,019248823558045713606539	3609,700266168917677083747827	3658,921689551014202970974330	3708,658452868782083203092500	77
28	3560,776183334352187103418120	3611,101631551564917511765579	3659,907500747567182275982499	3709,582271723353314798110329	78
29	3562,162435082827542793857934	3611,910994676756871638939721	3660,735665814957187837186603	3710,371491776773358952412231	79
30	3563,215121485676151024066462	3612,324192687339622630823514	3662,368949297409952120118817	3711,404818176416529613018039	80
31	3564,760770714007353843945390	3613,549021241040446879334754	3663,448288854976732378082827	3712,170139466612637643669631	81
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33	3566,284910776263374697552462	3615,606268124633568375792490	3664,878137729471867913496829	3714,424676839815995053201656	83
34	3566,916683895457835276768187	3616,840689133504104243758945	3666,237025972965733036638587	3714,739333589796615304511490	84
35	3567,733251749069523470616255	3617,802842397040907467177555	3667,307339233034196928439437	3715,846459034948509976498271	85
36	3569,343132086432282350637552	3618,452558515970061806495027	3667,735638945522655375564222	3717,751095917050867352058340	86
37	3570,008671364950081203457423	3619,885723507011064803929634	3669,030191157441767073146997	3718,498355474486977017850219	87
38	3570,822916554615170910433020	3620,705570449877443237983210	3669,423746308953714569587453	3719,483495399308027780934837	88
39	3572,513965627941474489582474	3621,886132366144136256101872	3670,731997269177523789229981	3720,182048932696292736717560	89
40	3573,079804301269415462486503	3622,179274502217610453353821	3672,349351294876327432124339	3721,296040000338288020235138	90
41	3574,100016308942958429883585	3623,558468473039696030237242	3673,159176144118690156885408	3722,058836768195941442756965	91
42	3575,493155747453303677675072	3624,437503556840806249903929	3674,087608956143790266150225	3722,627320552538586028315683	92
43	3575,955379643794348696924589	3624,881726597741555589642574	3675,262610129655987978375626	3724,388127501142136826468462	93
44	3577,205283985632085688070186	3627,060315519066668849685900	3675,662484245629679923732971	3724,882319990301377041560392	94
45	3577,981184110552278139248294	3627,949114790735445303615608	3676,368938137253659678922348	3726,517718264919253019633453	95
46	3578,410382618929418994226231	3628,610375056135944810535843	3677,893295662794792812477871	3727,105295973327673110174453	96
47	3579,750102614597741638890363	3629,407217611507167841407430	3678,847783056964556828698546	3727,938465955540360751555392	97
48	3581,585338241799590748924441	3630,363425045440317375139849	3679,818311649508081213857468	3729,472791701951074776018538	98
49	3582,394916619829274666787208	3631,308684288781778734339938	3680,583983908414981853056794	3730,187320676354296573146508	99
50	3582,923042185507714931219962	3632,478178336013750108352150	3682,418731435667305881967913	3731,075159248372698021595832	00

	3201 - 3250	3251 - 3300	3301 - 3350	3351 - 3400	
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02	3732.847475613411832532745714	3782.390575661851609147434696	3831.034679119847849960473725	3880.082213597441739481840108	52
03	3733.671696807125663323310400	3783.126649463720346253486771	3831.932487129554814399597308	3881.540350511397796503672534	53
04	3735.007644637012569080075275	3784.265550345229671223880656	3832.941548849468677729271679	3882.116845259779487145414107	54
05	3736.462855616984139736730643	3784.865105099824619410066129	3834.353094561193438030767108	3882.899992550470255746599169	55
06	3737.426702784950265240633770	3785.791018600925516608883966	3835.220398724040018392703945	3884.209799207988744030341959	56
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08	3738.588055467694012039051297	3788.263664870251948365251526	3837.238847224151315504300502	3886.225209766245638375857332	58
09	3739.831690660130602365701624	3788.800050331939493490616626	3838.084058667460074643025473	3886.451289790500395195686964	59
10	3740.875153687163953311191440	3790.041776672573517356079923	3839.426268466037812101604408	3887.352013760036825957001048	60
11	3741.925079348680116885999659	3791.020914404688758905329120	3839.974002766309188837546421	3889.155346344496094431650586	61
12	3742.485013546845301411154472	3792.560247671588549843729269	3840.504678748195229727496079	3890.309181969027112201885767	62
13	3743.859616211629529455199845	3792.872479501939546382561783	3841.682344812185417988820778	3891.086883002408645857236756	63
14	3744.846671965053909675214624	3793.790990276485509246233843	3842.678532636432437496321920	3891.929936985990490856284644	64
15	3746.135972512802586811324474	3795.021653416458419218211939	3844.403553213034847711514877	3893.001131076967069568567122	65
16	3746.840953103113868383243171	3795.808588147873639874756271	3844.897010964168201914892374	3893.407062083334096652157754	66
17	3747.997127044578351478381049	3796.139177933295054438860677	3846.487475476057548300694564	3894.783730288917097304988050	67
18	3748.752860722956767740345836	3797.854055842943754012006925	3846.747301182658958025836251	3895.567931273915074233570247	68
19	3749.672707911018502176602892	3799.298497077311899317849476	3847.681749670896746927453057	3896.642632275134284818649735	69
20	3750.303158431205408860629195	3800.132426403406501340251081	3848.415301005862612205502311	3897.870750291093003286008269	70
21	3751.164644510357872194105788	3800.877635578880027708030607	3850.170201814830045633845612	3898.651961794555336175669574	71
22	3753.186449129888108423386967	3801.590617175651922173092597	3850.603920438379459569435875	3899.623743455614739939906347	72
23	3753.946989066386061833093617	3802.640239732521012673481249	3851.410102460568819907334121	3901.007764610422026171522362	73
24	3754.507321882974734646271847	3803.829200465714550227491220	3852.703102475248649119429209	3902.077427042258698973027294	74
25	3755.922818842412856307956489	3804.790840393653911424341552	3853.860293845638106751829394	3902.411160510889354972783034	75
26	3756.524972712017124694798463	3805.434646754817842957088129	3854.902586332991800713887251	3903.351543073145757339837925	76
27	3757.481439849810206029108463	3806.297896755331746484909565	3855.955254473828766428056147	3904.379191304120937170268437	77
28	3758.696426296329949512239263	3808.093049896331448327699327	3856.703867395885459855359786	3905.344851666203596742621450	78
29	3759.359216675578110694650272	3808.459507836561145046833858	3857.610583014921081546047719	3906.119319111883894096797968	79
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33	3763.999842697677547614192195	3812.544754398986000934844575	3861.852719325409005757584584	3910.632716856539704751019942	83
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35	3765.746026064096287925552200	3814.327017461777310197761459	3863.658286019181994770722302	3912.642948598512348959960739	85
36	3766.455967531820667663959732	3815.531819858070988219513860	3864.150190996822989940639098	3913.259137861760987569144760	86
37	3766.872421484277807982003584	3816.602598127822443356568141	3865.565077205411726895090853	3914.219923269218954272574557	87
38	3768.338640155954434175085346	3817.768707914308305283390414	3866.822404113286564802609663	3914.949001244906410445094169	88
39	3769.293394313006448933759300	3818.505533965585731785907887	3866.972328124997318237581084	3916.176538559951340385457113	89
40	3770.105497899101135000531312	3819.414498547847187907506046	3868.412859073881031955220588	3917.658165953608366624568666	90
41	3771.728992761721378791088542	3820.438313369253760871110361	3869.144666921011526224389374	3918.443052987650145674962771	91
42	3772.512331217439890354918130	3821.438059666772819288133461	3870.114034539457829775286385	3919.222740960692518655605366	92
43	3773.467327740988558121926033	3822.371913385551814133467427	3871.291750189439619128089081	3920.540431095450587398866848	93
44	3773.941580304984973160346251	3823.148110407561065568762494	3872.666546572794402382461542	3921.152570240051835609908239	94
45	3775.752711840115427011112302	3824.418553124508024529807507	3873.810208380673396369433312	3921.652560348288666438551004	95
46	3776.258807342244331680618775	3824.541037159350616548714281	3874.229614843760682187707432	3922.665203224202656174951730	96
47	3777.143244333655944718416558	3826.947627237762543773336284	3875.105197584665997060836712	3924.193310525357618908076643	97
48	3777.833370602115823136255634	3827.576335685668821836103145	3876.173740689806736789159704	3925.247119257293025393085490	98
49	3778.839373785258593011574920	3828.339520519640936296905765	3876.657964937792977933507300	3926.176083583575326687153821	99
50	3780.226486450645759017994912	3829.144810486888796983926156	3878.256174941054693397915264	3927.080517370093174300389476	00

	3401 - 3450	3451 - 3500	3501 - 3550	3551 - 3600	
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02	3928,886559206820356147826161	3977,113908694971600065014522	4026,602759101599393676235757	4074,817064510665765360645836	52
03	3930,099281280357436125851724	3978,686119979256594878194267	4027,866297571924415222028126	4075,741346670090514960899579	53
04	3930,891086382284810202274479	3979,497341176278255104250533	4028,247172919727479772780657	4076,719781863792053895873619	54
05	3931,745217360564949425983803	3980,844099782236250536173644	4029,195557080540315202186406	4077,413345484527613144467425	55
06	3932,624568087019042320621716	3982,048502086845775326891961	4030,383280199061820269064062	4078,922771360211755044523345	56
07	3933,516881842037852281820327	3982,764068116537151659485040	4030,916107786028135695007389	4080,108304481201567095930008	57
08	3934,938347808599447019201799	3983,749795369122902311835150	4031,654311715944818680877194	4081,066083420945756238523278	58
09	3936,443286119626161131967988	3984,227435181156851577243768	4033,374476877376963248456747	4081,698568431797951076366402	59
10	3936,974234313655024427792439	3985,098725242399498989392303	4034,520820162190739997837148	4082,588348141119579174655464	60
11	3937,905380853557401362537879	3986,516179038180407271527151	4035,105599029920828107328874	4083,630042860071034148530905	61
12	3938,214616536864632490950030	3987,230709154775459031745139	4036,079389601862977614691271	4084,942883202912307965410711	62
13	3939,775186811875467466086974	3988,719449264675649709890580	4037,126014571026009983060512	4085,515370585825626100418983	63
14	3940,434637596688948586773389	3989,352175808955517196715635	4038,290698859279128482785281	4086,379221074612250775796797	64
15	3941,630029648000720129956845	3990,481409607346073668663427	4038,948310434303325260566495	4086,967478975275949354806460	65
16	3942,352722187778191036608021	3991,570890985175510498293514	4039,857819222256095011719726	4088,781881483158054732788266	66
17	3944,030362806929116484779949	3992,331105099822461805720047	4040,940563221796225392227034	4089,730285637656534801652573	67
18	3944,650915652395713949201474	3993,293163731767162155100595	4041,464677644774374591637941	4090,591265910278965240062666	68
19	3945,333063668887094366057889	3994,395873998452264711069710	4042,702480396315250223668991	4091,910846159219193728448954	69
20	3946,878983570570298787005682	3995,168459723067387720868432	4044,322287003434570728900752	4092,297206466462493064575301 1	70
21	3947,703864074578611833286745	3995,797813413111165863463782	4045,055147387290924543977430	4093,248362229124430532950612	71
22	3948,434192200487546591539060	3996,689040233028031629827925	4046,214784829124031157551826	4093,905911945289125719314440	72
23	3949,313705822149646069943383	3998,809292299706732014203332	4046,738210817314325220196136	4095,137930751253504173634700	73
24	3950,132375511085209322725160	3999,519248285303142180907132	4047,468044325976916231361591	4096,510847296560407744543652	74
25	3950,859466439663037494352419	4000,017285178770817525017450	4048,380709827563177421200109	4097,063684460353298960775294	75
26	3952,942870156917175169827323	4001,144258634627438509414860	4049,973704686576342633409882	4098,475186448155724798995862	76
27	3953,356526591264831061220716	4002,112349427714343895921977	4050,431390624204357755129893	4099,244845293626992475847790	77
28	3954,778621164596996670020560	4002,695719414773562292036042	4051,384379551233799656679867	4100,107534130519644581670279	78
29	3955,176546372732661583086346	4004,022451394682446505103765	4052,997625981506260337193152	4101,578447921560121188951507	79
30	3956,420217191614135622825684	4004,806731028674475863640472	4053,566272077934283238615318	4102,037362535125580759717569	80
31	3957,019901776542639870500703	4005,876737437339064100625647	4054,690712870254344051870363	4102,825941825781477258173868	81
32	3957,954717947092253546074528	4006,931920817723560603115287	4055,477852503357040339605044	4104,141331202192166833069601	82
33	3959,470755505529516744653641	4008,142030891384439156351575	4056,996361903224402555211163	4104,613098579828915562507251	83
34	3960,071028756977266031136319	4008,689596252476207075286958	4057,428904233524567290512383	4105,512852569224958931842629	84
35	3960,770534614479359708466172	4010,361019023809560450906493	4057,993493539175552801319121	4107,327219355588222546353448 5	85
36	3962,168461926687971607771352	4010,983311280304647997889340	4059,085428288183095249538644	4108,624233430278305581599290	86
37	3963,470348861256275151683599	4011,663881541786930039465646	4060,048996006782810556855261	4108,852443160772494844637661	87
38	3964,312649523208256814247546	4012,568916000892392478724476	4061,743933049635338111238021	4109,710931285796126200827791	88
39	3965,132707098912333386169598	4013,233688805466681017984935	4062,850288692900517428532998	4110,634319886721141688497200	89
40	3966,138714993044403933861317	4014,657294818277420413328686	4063,157725455432651574807466	4111,859845445077717527540178	90
41	3966,753894106404171408074875	4015,657651051640921343150593	4064,358380196390134897714278	4112,667206018722375299999401	91
42	3967,818761421170713090338440	4016,968938010016809797995713	4065,178475192899321860067527	4113,485989227036601044632305	92
43	3968,484653607896033251140289	4018,029268458575597729828896	4066,109592650519313339877234	4114,687567837158964554346938	93
44	3969,914600219660540069449370	4018,776951600020067438074768	4067,074106868812564029709729	4115,615773798477103160710925	94
45	3971,318070212216399377304987	4019,106065040812167909245305	4068,083223826024383359971254	4116,813980891257400122514970	95
46	3972,115760264560262036846611	4020,570773103663639360280393	4068,969297626075607360698148	4117,600710739797161461921803	96
47	3973,010681503585877369283840	4021,628014217374502305405474	4070,281912569777939834099234	4118,974352669458241314398860	97
48	3973,457014783824321923666825	4022,380106437604588096576676	4070,603677649607697782275431	4119,596332883649645452586397	98
49	3974,893413368283160052263653	4023,428504974205280282144716	4072,705128706193108975218520	4120,634210584368994290792834	99
50	3976,066183195673826166205459	4023,905151400087167641984887	4073,126450172392009410889757	4121,348656802788074646363019	00

	3601 - 3650	3651 - 3700	3701 - 3750	3751 - 3800	
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02	4123.240086669544312935073564	4172.130758051546532436257230	4219.672061531219570365813973	4268.223032063958135627933988	52
03	4124.648829380197273769667314	4172.876966851703883987554206	4221.306739710483433395472104	4269.311963383198256316509739	53
04	4125.592128452605104292504038	4173.416864022804521257206584	4222.126671441045028900880312	4270.228945852237268113278926	54
05	4126.378063880529021693134653	4174.873181874607245529232318	4222.507243705137996463231070	4271.219357724018474298506662	55
06	4127.593370808397083110956624	4175.512052252207840572434947	4223.901179992220450204450578	4272.626546682788551863950112	56
07	4128.298166699678466670728479	4176.643071920197626255343452	4225.282365846362951643512626	4273.266070375791575275658350	57
08	4128.777675202575931135012179	4177.322188624039802964908229	4225.722307332870217758054505	4274.006198485267499036547561	58
09	4130.466763780259752689341682	4178.530304183175522793937727	4227.210630501786314844796837	4275.106732633899628078353556	59
10	4131.136979899321969923270864	4179.574699430186857067777574	4227.984705072136280418117929	4275.863648070410039299644437	60
11	4131.928002432784459591087418	4180.503181765203083578957302	4228.980834106910106534887967	4276.733176340385498092673437	61
12	4132.724451307376544964536668	4181.922493184464297243542976	4229.533411497629163706475326	4277.420042959429433607477204	62
13	4134.050648828269375848315418	4182.850792879099913259103353	4230.657847975155365009748557	4279.548867188124268064958482	63
14	4135.441760021328964841198074	4183.377504371781905551951017	4231.008079754503101277579384	4280.161625524678237395263201	64
15	4136.396688873409519754222620	4183.846344459319153619835585	4232.660327378782449513240503	4280.973787692787184731095613	65
16	4136.974853483482130959066516	4185.312727675292838292472049	4234.137260750954802005680819	4281.587159761130006834057090	66
17	4137.962941379643079206236566	4185.957936687376979078367578	4234.672186485428209507773839	4282.943479138628317707634088	67
18	4138.838339555502391832491012	4187.200718846234245244589004	4235.502814784649530559823518	4283.493728632652311983602367	68
19	4139.464099155238308142690161	4188.419977240156833977672588	4236.708778081333553093361406	4284.844965401470749190126825	69
20	4140.892830115632741338379785	4189.615279793395058432436588	4237.343105088598700865966323	4285.629053648214923857741272	70
21	4141.373775320128172181064370	4190.233269290908713869093555	4238.581562429219524081949262	4286.158107286907703681664700	71
22	4143.347062500451133645171658	4190.985912225671671007785565	4239.083355091352149427037171	4287.680518179438382678241002	72
23	4143.897624856071481705997516	4192.109712345712517225070847	4240.609223276219873907117426	4288.504766274432492112422471	73
24	4144.603298798390414941052424	4193.175851165785098973545129	4241.104024290079786471209165	4289.812145760645530074643504	74
25	4145.564792568009009431860532	4194.092245882131889272252976	4241.783753083254786295422570	4290.683826357642490280545988	75
26	4147.071922279525151614189995	4194.899013888260941430150486	4243.573652494019625857323111	4291.674919393785886227070992	76
27	4147.595069547505049210598066	4195.541351655143766551062671	4244.575822632996718442186504	4292.726444975231376542163768	77
28	4148.652520778808441897267611	4196.604548355804795180036758	4245.621059995546743796042599	4292.817263390514137590153050	78
29	4149.069451050763133346981026	4198.425989112479249027807166	4246.010961501898300903152343	4293.813814959747385625627922	79
30	4150.445097952485151815959175	4199.335192631164304861929599	4247.050666369494432725971067	4295.348211448381976546637382	80
31	4151.146851509498205315480296	4199.633002829636421887510238	4247.882863620120972745711444	4296.247687553782203307884778	81
32	4152.768725265643344251898554	4200.997463466575706570066949	4248.798229920726097730432432	4297.269668492699212990582732	82
33	4153.839146745052127530374485	4201.827002236684127009664834	4249.842360550784185109188026	4298.663179089635915853875592	83
34	4154.630899005978987952582714	4202.416698746014430959619070	4251.024571916935894702452886	4299.054947282909573301277063	84
35	4155.334787261632335144408378	4203.280813660139269368756447	4252.063770376692823471219117	4300.089148378121238996799061	85
36	4156.296304962837572624787589	4204.736011073341322481788588	4253.452157043094974709762685	4301.012050609301536271816278	86
37	4156.913907991741328997442015	4205.627365267385813391126004	4253.641943495415197993416104	4302.145194882383666534142026	87
38	4158.129334413811242054685132	4206.870191888257310638901889	4254.606741244740830906057923	4303.183384178737349694454069	88
39	4159.480461698979829257665433	4207.354542104387760672383107	4256.253977915078116943640378	4303.534636903585180282736255	89
40	4159.921665840759389187154618	4208.734782098327231020671459	4256.903916379891303848817026	4304.617528001025212884030728	90
41	4161.096281182124803241372760	4209.642902759412553684940912	4257.398426070860373553048878	4305.613823712048145777577894	91
42	4162.377914593377240624758443	4210.549793194042952990353388	4258.412309498923805528628181	4307.449077599055896908370779	92
43	4163.278853050829165149388470	4211.527980700039128152744525	4259.219971503959149237881919	4307.998991754306450218424926	93
44	4164.135351440631472027915445	4212.170228129721352672328271	4260.828780400028577525828611	4309.172964976841508301834729	94
45	4165.139162955595756411904457	4212.967292323469157664977750	4261.801316153905304146512533	4309.358615069695703461873776	95
46	4166.078428062398829525613058	4214.117686583577980810540130	4262.834917758818131271379628	4310.632176097218701787277138	96
47	4166.984173408356866620241691	4215.179293281830773860738786	4263.851070090161653157230801	4311.662007243922197148770428	97
48	4167.509875345772868354442779	4216.832135763850230669006980	4264.326484097472780808814981	4312.226430123790737032689996	98
49	4168.303453625533487017353317	4217.495524251771119977699152	4265.197753530233854891574464	4313.401370258528985403014678	99
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	3801 - 3850	3851 - 3900	3901 - 3950	3951 - 4000	
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02	4316.46465630692366927165514 1	4364.54690884603668529982778 0	4412.23724749071323819923586 8	4460.54852928753582629885274 6	52
03	4317.35619074026270066157717 3	4365.67199700855640889727328 0	4413.21656116538074711445886 3	4461.40414047853719348907734 0	53
04	4318.86754285421318413323841 2	4366.52730754268696973194067 4	4413.93404451248483955924192 4	4462.73462219491568791967346 3	54
05	4319.40682839203580186756914 3	4367.00051184906928565695491 2	4415.85096182654995054966888 0	4463.64764806720690118586568 6	55
06	4320.16224360236229935504694 7	4367.71104842953431284373148 6	4416.59399902948133121558010 3	4464.03852325699012928245182 0	56
07	4321.07489162743210060729274 2	4369.53796492733717645734394 4	4417.58011697568510429989426 1	4464.81271612762660109811319 2	57
08	4322.07616519002161727054272 8	4370.73462750990566162158938 0	4418.24155647283774939649363 2	4465.80599756922265144435732 7	58
09	4322.66456648627458761877563 5	4371.36263302201482164563295 7	4418.97152479085810001450259 5	4467.22853288300155474502931 4	59
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11	4325.29308572801814088625067 3	4373.43317829092176690945116 3	4421.14121799664373832836321 4	4469.17066273741031748413831 2	61
12	4326.35011858358482839007587 9	4373.86380441141844267422135 3	4421.90470120775741564219592 8	4469.97803283173394679041098 5	62
13	4327.39469070375896978165781 7	4374.69509616070223720778241 6	4422.79074962097698783702256 0	4471.36175725228780536644575 6	63
14	4327.70036255946128072839885 4	4376.08322391122539096626310 5	4424.33966655415685874855098 8	4471.55019559035203353213222 7	64
15	4328.61576905441353214735422 5	4376.98295329675994030745915 5	4425.24490957464161032278112 4	4472.95927201518227496951262 8	65
16	4330.02783591525437061735996 3	4377.76846336228468383396083 5	4425.49564873229799152923849 0	4474.18627757740644036130863 1	66
17	4330.89006579173207974533903 1	4379.10331587545753943098884 4	4427.16472065621213823637565 4	4474.31709177897777174441898 1	67
18	4331.85191562210629632765860 3	4379.75986452933248428278764 5	4428.07317584268566494256365 2	4475.80111093175964025796967 7	68
19	4332.30390228671946174832614 7	4381.09102830986457228257016 8	4428.88180243163794304958452 4	4476.24651915750619853133701 0	69
20	4334.02058108366257584528895 1	4382.12594949867658928929527 6	4429.48800956699848587349506 7	4477.01585706333225786704138 2	70
21	4335.06314737088452730044673 0	4382.87574852326396900888920 4	4430.24744879543933791905218 7	4479.26942327633416234496907 5	71
22	4335.60666716530504952408770 0	4383.46642731829730740101005 2	4431.42434048308805736239667 9	4479.73066477209281952035813 9	72
23	4337.13366260566910682677961 7	4384.41960113908131707449701 5	4432.57562745458516545385514 2	4480.53362973923556181004941 4	73
24	4337.45184298088365853134424 6	4385.57988632890391049312037 1	4434.02925319587507618601641 7	4481.41004022113804777576997 2	74
25	4338.71912216257360050180737 2	4386.08367870749444568601356 6	4434.77910483607068868072297 8	4482.36688568958295640715309	75
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28	4341.41305096238379687553639 7	4389.71963086888790831481168 2	4437.39417367760604465091677 5	4485.05222610362440876313953 6	78
29	4342.90161817499764442679835 0	4390.35110827522710407649217 6	4437.97686962850669783968787 0	4486.32721916294134417895981 2	79
30	4343.56320120707448559852909 8	4391.02121306696005900949379 0	4439.55756071441483232552664 8	4487.08419142781144810281274 0	80
31	4344.33464149114047488563325 0	4392.57433767483888663732638 4	4440.10758550901094606966251 0	4488.07066724901517584449789 8	81
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33	4346.24289621036364736779398 7	4394.02851112682555284202279 7	4441.98494857835778628386960 3	4490.29550699485445566586497 8	83
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37	4350.01392210554557168543665 9	4398.45171963306975266328535 7	4445.77275824895102143402672 1	4493.53363473520837196156834 1	87
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39	4351.95251663284479969328420 4	4400.27018003916039861228638 1	4447.73296246168312722202405 7	4495.81001802989735132721425 3	89
40	4353.70018973244653194802985 8	4401.17547154763258262185322 9	4448.30190106832450976831631 2	4496.89345176726507272933202 3	90
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43	4355.89311078224781693412419 0	4403.23956992418855917344294 5	4452.18808370513297160544009 2	4499.58522310745814504281290 4	93
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47	4359.50018559781664677018845 0	4407.97318093961900928275407 5	4455.76265797255483853036502 0	4503.32985434571833264312357 1	97
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	4001 - 4050	4051 - 4100	4101 - 4150	4151 - 4200	
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03	4509,371444648123771834790925	4556,891310536484503768653000	4604,641681401318434572541559	4652,088399128892722097291764	53
04	4509,943668937142796631322913	4557,533974070577998530495892	4605,883451695221001197263466	4653,119156055231474657853141	54
05	4511,040014028519826947398894	4558,396623828290441557161987	4606,462472402408225286829263	4654,068949599622892966669484	55
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07	4512,809991107199333291529832	4560,999833506231566524694974	4608,216380944203910570338810	4655,721560896440402116738835	57
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09	4515,191306764589303377060486	4562,596817089267709950989181	4610,084231645927489915195071	4657,820890194845071378742459	59
10	4516,089845213538949617175375	4563,416046267604426459660490	4611,484674457680128683710967	4658,394949957775201671082941	60
11	4516,365671040829024137864832	4564,815955844672177597415933	4612,028597458638017180778552	4659,918687610412533546232870	61
12	4518,275389222432388863170813	4565,416958272248864141663341	4612,788854013540499857262902	4660,563963934253226678014793	62
13	4518,584679215418522579924492	4566,253326081946528362715523	4613,684307641332135748302979	4662,080004603230196498508105	63
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17	4522,144077728261478388296475	4570,433329174898880336580880	4618,107678910147295189398923	4665,141375953133640150360119	67
18	4523,237464378725200620258400	4571,457898785560828460419264	4618,767170618818314446483882	4666,090798752812430792977786	68
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21	4526,348586358787751873392682	4573,924130511974939764591929	4621,348279218696864140987423	4669,829513522149519349128346	71
22	4527,353633124018429918452005	4574,297621384388679280112884	4622,819323121313133157468324	4670,350631746016705786863608	72
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24	4529,069234592007498259576956	4576,793917799958071535659305	4624,726278755093853198316711	4671,877847964575568367392891	74
25	4530,025233174411323526469548	4577,859111429864775476559520	4625,409262501686005167224344	4673,282690521288863774213616	75
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27	4531,643575987181310538825066	4579,956917853998653677792741	4627,790229823108015390214420	4674,741639863472338033388099	77
28	4533,297976471441726615658028	4580,717084505585650949385819	4628,463443401889382424944932	4675,727566686424795434076917	78
29	4534,135598244321343192504631	4581,894187213451395060445431	4628,974234757263189026276296	4676,334095816126001878315386	79
30	4534,935556004702284227945068	4582,568249086154888198907551	4629,888782939314473980450672	4677,930219147139760025767154	80
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35	4539,188862923705849811772046	4587,674877076508276421401386	4635,357160887010119287898257	4682,648662425130068993294518	85
36	4540,347726623454188128500249	4588,977914220216893288138318	4636,028343960683841351497567	4683,021291066600425704542712	86
37	4542,129666250978635069532728	4589,643449489509525831930535	4636,392280747452989367267113	4684,186914789593926043381543	87
38	4542,620486098007612372083978	4589,748811533984073109027654	4637,792071980071969804127351	4685,407789642226698401413027	88
39	4543,746922273790991776310l5	4591,204146513097044716158594	4638,748153747896912504339346	4686,708155145731282196585397	89
40	4544,720271320875110382421492	4592,049309087907912230367883	4639,715380822985125026757295	4687,072177975256371598018104	90
41	4545,263343634851544530981l8	4593,159791572761266279214312	4640,561739730958772813063835	4688,252603006428156323793710	91
42	4546,141207421271979845560540	4593,836891986130646383859663	4641,758272380068695377117574	4689,505062437305947085001962	92
43	4547,593415368720114184838565	4594,787190560325223363170186	4642,685758176652565692986127	4690,178840007101156267685456	93
44	4547,938636006363253018544789	4596,263664401222352072995213	4643,751735863572586534190350	4691,296768788712998698198334	94
45	4549,281071828127811086350804	4596,829908459071355620542539	4644,753105527211353893252966	4691,862100090804364183891470	95
46	4550,068688879314210336149128	4597,820812342329887692851069	4645,362987352404960483362310	4692,866432862005417494041300	96
47	4550,979693585295962613643765	4599,373672439866231106167331	4646,739486074074278105450475	4693,939417293336188869628054	97
48	4552,321926160970289519545142	4599,907579437689900470336274	4647,117263732463690315344118	4694,173942793324879121992721	98
49	4553,536850280879258971758919	4600,630054113463249328712416	4648,112608174797495897067876	4696,095849872810785399511595	99
50	4554,197951050969598706635246	4601,602961817195210773847445	4648,564886816581811127258356	4697,354147471542437570499763	00

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02	4698,924504209172432605616679	4745,842419030443606409872839	4793,347319652198516780896729	4841,064723645309148014024947	52
03	4699,497252230962505996396091	4746,839593742937682383371882	4794,286764715211680011302938	4842,043504687772379354121062	53
04	4700,158603280910107107737685	4748,335806689634292785923840	4795,780117831537509010588921	4842,585412400115900515054857	54
05	4701,842587035350229945044012	4748,700881129172875367838190	4796,352903431830801701958934	4843,621336000792441629591444	55
06	4702,437645696001115081075881	4749,728100218336966139125813	4797,097933597945818840404634	4844,699612969358783736527148	56
07	4703,015173840539884166212347	4751,215949059367057359545637	4798,420841862598135580285366	4845,696734419167149591621753	57
08	4704,338118407428742202135958	4751,682732579110661369393190	4799,673211404293510211164088	4846,657760143518313429933709	58
09	4705,482138782043212792744318	4753,084026101484586173342226	4800,097767615228696690197416	4846,916049334814343838388731	59
10	4706,468570903250873605011257	4753,918835840181715726413752	4800,671002186036599460695951	4848,107405391168071671787086	60
11	4707,187171952140145536904168	4754,589564975895352337695403	4802,188369508504326580809486	4848,885041904170968097289939	61
12	4708,595427452169518532707325	4755,588948859221431649417989	4802,377850869757571068285118	4850,871518792202411429685017	62
13	4709,332678157477530917877356	4756,356140489576219140275299	4803,704592676757202938736078	4851,468722998431765339791812	63
14	4709,944940346285218461244324	4757,222671632898185402104559	4805,072216480051437183549157	4852,001065083394633811213357	64
15	4710,552242005027289891058394	4757,970669573234211562327753	4806,371973581088139663509696	4853,425815431974229557236336	65
16	4711,691980184833244494989944	4760,158590209302521649447738	4806,921270594435886644884365	4854,027006706021599251850929	66
17	4712,777797477036918820697431	4760,441048058613566808245687	4807,541012033673238740761207	4854,574296102760764608793781	67
18	4714,247723107137320849008070	4761,516430763499396543037075	4808,604499169223328929314887	4855,718462363850047365043675	68
19	4714,997962824891633344727578	4761,983993808134506527862384	4809,346880319834907563187375	4856,921830081505002677005219	69
20	4715,952621727107204636448531	4763,158188506213454892115977	4810,531881343335159221516796	4857,815380260170590841969936	70
21	4716,660239219091658148253523	4764,275424407306483903777806	4811,632288844522749137389219	4858,604172218367619708396161	71
22	4717,733401081525539588073428	4764,998476803593949182182888	4812,160772203606658080658785	4859,680531624429214001495270	72
23	4718,529894766793406868459073	4765,803255384904621513468864	4813,045552124358051616453507	4860,809330725515107732067633	73
24	4719,595704166862952002484929	4766,884818058115801703852192	4814,681559817523627224341550	4862,076654387724518460715860	74
25	4720,386694373550362816859302	4767,868858831061510284738047	4815,324276549574915830465265	4862,359349645750220956623808	75
26	4721,537540939960935212968479	4768,726470928571001757842643	4816,451758256975597922535301	4863,760153919760932580099621	76
27	4721,954561819576412351490767	4770,256497157692319214927381	4817,232875407548554445944083	4864,191948667561191156468849	77
28	4723,234934939146447074774600	4770,891284039308624229261214	4818,240133484467474530366042	4865,055351272651282792549637	78
29	4724,996421877651095846819926	4772,057494829203420450517808	4819,028426196165153417288883	4866,071578271192035601271524	79
30	4725,487196574650090782726839	4772,644938936118023454390016	4819,754628168566338263730033	4866,954021268905626335711290	80
31	4726,271143852757387688053713	4773,439797772911971770462033	4820,210030017203117857200330	4868,588327038712939403402395	81
32	4726,949295824610082952916177	4774,056619725543373055945660	4822,221164872703591670091434	4869,466636285996003582395339	82
33	4728,211604352939923336085418	4775,395711249463670441965740	4822,905726969312732121208639	4870,517253831919863044501281	83
34	4728,750507230119510960458309	4776,429201254369041933814524	4824,137537479789858745506711	4870,696564723359276882393169	84
35	4729,661501548357264038112263	4777,635676983270711038052714	4824,678397755425805238371623	4871,705539530006271272227110	85
36	4730,962714323503681029058332	4778,374124696471104169488400	4825,736295502362444363782304	4873,193181375946684880413633	86
37	4732,021907044924884252694177	4779,596151378346832676449330	4826,494341214861117587586511	4873,818446227467478700957881	87
38	4733,193764940088243857277465	4780,479123089006794458873433	4827,767321263362221931769093	4874,789996783109194462416981	88
39	4733,844098699536374975903864	4780,708587502443035162939329	4828,337946620890113125041915	4875,237660837145282363841923	89
40	4734,527817832890851481249815	4782,356874431613484150626708	4829,386309918933856651596802	4876,743142327452012738804251	90
41	4736,044923936178173026095242	4783,343224125135875255251147	4830,136823559166987016242559	4877,725299567701846365741089	91
42	4736,596840064478015168580550	4783,714516795385516702160197	4831,185693208819182863432084	4878,629005583154521603337758	92
43	4737,784035547895767769998628	4784,640967678605631037359431	4832,224866730873780217304379	4880,058127358884297524322328	93
44	4738,432582516829772804612838	4785,525415338092576368319581	4833,663263959365356095659474	4880,609661001629555419400840	94
45	4738,793733317309791083734609	4787,252675346162013261863236	4834,665341189936119173765116	4881,311012339880100852682331	95
46	4740,332565971351204974505441	4788,152570124255076385049050	4835,144026609661878036648525	4882,304462235103172031360828	96
47	4741,721885804414925812942095	4788,999015740484347407785020	4835,951966776301744556275537	4882,890785935961674704651446	97
48	4742,414037310372691953468433	4789,698347933761889233325758	4836,608965378976492897012112	4883,927414234290994553647026	98
49	4743,717920629169778018591551	4790,733815868860531442153907	4838,026709907399510521102614	4885,362074723990061207893323	99
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02	4888.175610835218177967055170	4935.200994249787987339726756	4982.512361526238627250862491	5029.216956939054499844591160	52
03	4888.908079346009931336947479	4936.133949523505740770364009	4983.225027314619665334358654	5030.026936938536285427317384	53
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05	4890.627756888265251446725425	4937.770365700218142783288908	4984.568543574519193796861333	5032.399063540915597559448110	55
06	4891.783056074756029841112721	4938.753815526292919965106758	4986.252566835805268933185852	5033.166566080199752306450066	56
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08	4893.388337635763625767179074	4940.852294862652441600910473	4988.191597307574352242039752	5035.013416408851633113891875	58
09	4893.963169529566907276760048	4942.135528578192400255083078	4988.905166592147155553944041	5035.523058437430792138457757	59
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12	4897.650781297577310623342391	4944.641603020049773269807161	4991.214774408587082742056537	5038.324319636722802211464844	62
13	4898.457291766483546550554508	4945.186898517928171801013044	4992.379462341421509393227009	5039.621887452849045080754994	63
14	4899.161200688896832048036095	4946.119253478643517898788691	4993.495748983814606326373457	5041.041398993811192503494450	64
15	4900.429563379257629682571774	4947.500490321847553505484554	4994.632742172267628213003145	5041.798034522457411666272360	65
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27	4911.291910102137935316907353	4959.028989320631797117684511	5006.208381106211305894085168	5052.772155289672452262971066	77
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38	4921.970590627642932376411961	4968.836094655103315129854152	5016.192546914328135856650897	5063.182715937442192536333024	88
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44	4927.597951290635375503298458	4974.430478147270949109690984	5022.203022983779874048568639	5069.095935944007521767069857	94
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47	4930.240318442930018207393626	4977.755154086707724181143647	5024.725752594867625769187357	5071.249797277137878964434492	97
48	4932.036812774137725341644986	4978.847855753176376949618074	5025.730993593627878738208730	5072.410372660585291979816501	98
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50	4933.068125843811334931031631	4980.118762529119041125208773	5027.221563711044324028307432	5074.356062041533516112903297	00

	4601 - 4650	4651 - 4700	4701 - 4750	4751 - 4800	
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02	5076.59863794778064683305556 7	5123.30289347792998300488676 2	5170.29151608727292658844267 4	5216.93200934121654741441546 2	52
03	5077.15298953073756125707382 0	5124.06178498807275705182916 2	5171.23592750147358593494310 7	5217.65079532035448468544405 3	53
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25	5097.81442975890566209962519 6	5144.58775260152789041169464 5	5191.12680159802986197659091 0	5237.80169540199509300005440 1	75
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27	5099.61074303799441796547571 0	5146.14964591957047500698764 7	5193.40441534372823754098891 2	5240.60763604108559813521656 8	77
28	5100.49146241619986888895460 4	5147.56279184000966502000323 2	5194.70748890157448902761367 3	5241.50282545977052099576723 0	78
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37	5108.95909669843306808766091 9	5155.49336258253333129599302 8	5202.45798972217433848481391 0	5249.36633613165980868248446 5	87
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39	5110.80604167226714506060886 0	5157.81906555574559169622068 1	5205.09960699496229113613637 3	5251.79855862651227873800610 0	89
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41	5113.01015722172519923224963 2	5160.05773625162505280200598 9	5206.63316167867917845065404 0	5252.89057514844967620277792 4	91
42	5113.94604288045438467877487 4	5160.85277992791494071052244 4	5207.21506668222393020495742 6	5253.94407049172671280125370 8	92
43	5115.37284295298960952644802 8	5161.60539292214871568108226 1	5208.28852293990766434439209 9	5254.91263087091301988539881 0	93
44	5115.72676209779561618389439 0	5162.58718668520654731062579 1	5209.13823930166559828317049 4	5255.61316430376163645811216 7	94
45	5116.56055746371486706872261 5	5163.06016446837309830613807 8	5210.01091104856690738084124 2	5257.08118006453581483909423 3	95
46	5117.02599341347769345893396 8	5164.10231202203283991919599 7	5210.80821869983970112577182 7	5257.92494100752362347513392 0	96
47	5118.53383876862742499437700 8	5165.30677150540777661908258 9	5212.41940446954187464534534 8	5259.10832096042569872894134 8	97
48	5119.36566916157129468225658 3	5166.19197290849319407895206 0	5213.31667424210303918357723 4	5259.77190452184315442304674 0	98
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50	5121.08349015563851732898818 0	5167.99082805726312170534864 8	5214.77525255932523055212218 5	5261.18047604718321831251723 8	00

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02	5263,396765101677813754440060	5310,0327647269983620192798 24	5356,5388658287049911578550 86	5403,3895901152376515573903 11	52
03	5264,411378017649577121512358	5310,6068011120278378061532 46	5357,7116198923247237955394 18	5404,2876877366182710335763 60	53
04	5265,088374535057779128517021	5311,8590498917180929762995 10	5358,6691064417908253222241 70	5405,3544533227691126922482 14	54
05	5265,605936327469949975304177	5312,9802091585230118555792 10	5359,6339179273754717321964 50	5406,1841327440651295858550 71	55
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07	5268,198270777970710374255460	5314,9547940495115029501154 22	5361,6309972921196750226334 35	5407,7350143838611530001488 30	57
08	5269,201393021088832644674026	5315,7262968593251667736505 37	5361,9166370168284600631731 74	5408,5887157675429529610949 00	58
09	5270,259454504893143448341948	5316,6392539062173566702358 14	5362,9904053266315976448780 73	5409,5777394759616117718946 08	59
10	5270,886227525980259449626736	5317,1397349058835677130668 77	5363,7172804770047782200110 63	5410,1018720172449262041842 06	60
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12	5272,517960360033306465430410	5319,3647342978878604300155 76	5365,7422576806184179766665 35	5412,7569318616457648691741 22	62
13	5273,578737968436974991708174	5320,1097530102839495627499 88	5367,3801238521916575799683 59	5413,4489423384345641087342 85	63
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15	5275,643878877955565252091744	5322,6332805849386449296653 99	5368,8136416011400921219455 90	5415,2250629637235734613088 50	65
16	5276,683503025369402139913632	5323,1372311121404939564014 41	5369,8075964525856952100896 40	5416,5118143091296885155555 66	66
17	5277,475759502642438202314447	5323,7963278756887577866885 94	5370,7135398137173861830789 40	5417,1907772930386127688958 44	67
18	5278,379390382477423818758828	5325,4664111429999580562468 98	5371,5383297505099790836981 62	5417,7307759664845418616698 90	68
19	5279,775667717842231453478381	5326,0385127921330920539119 73	5372,6808672582497238187051 4	5419,1457693655877803657059 12	69
20	5280,315445981201706762884759	5326,8677637898015845949137 58	5373,2199729471917307872930 35	5419,6479140172586120986168 49	70
21	5281,239950686326654408520633	5327,4802222830363710531682 21	5374,1148352125557177580367 07	5420,5951186181743223855291 08	71
22	5281,633380065803255970205726	5328,4638446652704868159362 24	5374,8697382450364497684599 51	5422,1072015443946514678604 08	72
23	5283,163868559922222479763802	5329,3771585933300071268056 54	5376,7226636586171103891286 07	5423,3642850300684575087974 04	73
24	5283,478719186035010837354346	5331,0150518483831000987965 14	5377,7197308689227788614526 56	5423,5828399972528378633737 53	74
25	5284,926926629153060666566177	5331,8550337826669717687690 67	5378,2070381300462700350699 32	5424,9901375015927267970301 41	75
26	5286,437161557581821254060624	5332,5824493388718922532534 76	5378,7687137200486981651751 76	5425,2055793316569431870659 86	76
27	5287,137482205340801281763397	5333,7463494526695442013745 78	5380,1037318827962355124454 62	5426,0774736214573065945627 55	77
28	5287,711380226104619519507845	5334,0612179573715648568290 40	5380,8770565107791388251412 43	5427,3277872672126279388448 61	78
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38	5297,125394919595072527415287	5343,6233594330192805356475 00	5389,9095135614187713606182 36	5436,6584006721250952665331 77	88
39	5297,981183439350916043514043	5344,5075326124390434071885 13	5390,9922600830012059627985 28	5436,8206449300879367489169 77	89
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46	5490.606477202431895121977797	5536.899525056139120403255565	5583.389191418452475045084570	5629.890648797948390792412644	96
47	5491.198488461752068057984527	5537.790908369000483765338766	5584.323740890818679399603734	5630.380502229843031130062227	97
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02	5635.016250807584053286650771	5681.241565137187091423574093	5726.988743535994042457646064	5773.085986223199354222301917	52
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13	5645.328117414937829046653622	5691.140945770724161628700847	5737.255261080919404679076432	5784.048432518079013471019134	63
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23	5654.192151373508913093296193	5700.481014348115871099102701	5746.105037293983012005452917	5792.289593635210603059266800	73
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26	5657.866738715883688992494976	5703.616227811558333025198274	5749.840045598376904353836832	5795.563939737832121437036792	76
27	5658.411247459894845506872177	5704.505840610415984631559985	5750.072418941113829837470630	5796.419040669174737459122539	77
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29	5659.894412872658961533011630	5706.077414326690228269527751	5752.022580454234660167371112	5797.884282193431830567902033	79
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39	5669.472767900275489795875529	5715.633644358693091273263267	5761.131645054408015731308049	5807.373949619648276407196175	89
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03	5820.323072483646427188573860	5866.040235324606145055414220	5912.332412220923777498716300	5958.352640101391825507474177	53
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05	5822.554932361928656708973413	5868.543660974694386843041534	5914.115666541656472070597581	5959.876516604980236971356006	55
06	5823.160120590071735066812473	5868.986917034966458883421346	5915.019576754144383606038393	5960.740693076100246887534155	56
07	5824.034446196029884459186134	5870.008991855740832579326995	5916.088332580690013019257022	5961.788662547501495820586692	57
08	5824.644070750254689379010964	5870.718884647864672142003625	5916.441169127997579591711235	5962.574245885660007370788071	58
09	5826.022417685476873322210960	5871.419724497563173919426811	5917.380890968155200207620595	5962.943559513120417371532794	59
10	5826.437166473171039774961029	5872.402794856289760871374012	5917.975417960736669535617107	5964.146533459619874102105781	60
11	5826.894313623182376754275090	5873.387593706414782849602426	5920.055550869004545366877291	5965.736509167636371310779494	61
12	5828.890322956993345007062941	5874.881588208323431755263674	5920.538476511501067785347537	5966.619515143618021427764622	62
13	5829.884397342048155838998300	5875.798358154291255036174853	5921.438418562954292963355136	5967.433133231373155360057972	63
14	5830.591034346443479022732392	5876.374963621472436233290128	5922.552080087763753750457389	5968.178918743095247575718692	64
15	5831.348619828558170377338265	5877.609748606668303847735369	5923.106480527551745513961456	5968.735878784985767163721321	65
16	5832.010437995125382265488533	5877.933293919489304973870258	5924.023918205912250391418708	5969.779680206670108432441546	66
17	5833.320748987730534766235875	5878.676214478654668335144502	5924.612567997041964535407063	5970.844216766736223650668135	67
18	5834.000771326140774909834397	5880.463284726764016018723360	5925.982652112324126508002895	5971.604971542721230147663858	68
19	5834.935242018621244281217344	5880.709560927625161895172804	5926.867806897631506290970100	5972.485368405060761185115659	69
20	5835.952597527724674241906509	5881.825024120581472572266589	5927.479356433868603789344706	5973.620902248292101077067463	70
21	5836.409775793470024378632134	5882.270516172437724716163537	5928.899161984593494231145624	5974.886211179463757141000569	71
22	5837.694816937440399112045395	5884.032826244936418438350229	5929.345382897492492081268350	5975.356163229908470858586085	72
23	5838.887811770638554178019003	5884.684250047966716213021237	5930.860362894445147312173081	5976.141901892539937529053123	73
24	5839.657148889604894256085345	5885.744730540396178807062861	5931.570134864405308022094878	5978.026590419289768780305709	74
25	5840.870745780082286406708626	5886.621191165030699231089310	5932.736065547437876631360751	5978.139309725790062811664291	75
26	5841.773244696567850755426828	5887.486300388680372319839014	5933.033536559582047288517714	5978.832670352795680398051549	76
27	5842.257347261062416821684547	5888.387576534156828877771048	5933.987898043518446260898887	5979.862288578085496534764731	77
28	5843.004016163601131361370412	5888.845470521668698166067379	5934.829981307314893964504426	5980.592613333379713768247476	78
29	5843.745504057074496105935196	5889.698291834789962472542143	5935.948347327593923962034269	5981.506260799348249891513249	79
30	5845.043540778850969409600073	5890.842689357557413608915365	5936.465147329213855890505096	5982.914976763731777780505757	80
31	5846.122346475740794687958719	5892.225848293509133148169526	5938.287679988199271866171794	5984.012615640010910903478723	81
32	5846.858967153620422882035925	5893.121091670048429159862849	5939.265303266807171158180804	5984.792817506801592649578565	82
33	5848.182987415376076096367853	5894.085613219848942205881566	5939.695838711395468074724887	5985.669034669888019629395879	83
34	5848.996958343328399552968265	5894.544410863417662980611499	5940.379099853132093793997512	5986.419145205076289918800151	84
35	5849.661517375552677674740241	5895.557133651959274946812584	5941.441894804406140524831472	5987.055919517702678447129048	85
36	5850.489268138529995088268407	5896.814625874133130051642746	5942.467736153845577130111765	5988.313841463135190181790830	86
37	5851.711059759895363358223080	5897.528508395180753297339689	5943.543979174501539699718541	5988.973948250782740647755956	87
38	5852.668145588459682197782832	5898.045615592846137718149884	5944.130246624258009766670451	5990.294284873586110018503046	88
39	5853.095554594940911715181574	5899.335294403183385260122979	5944.725413371057810298633475	5990.809755142914262251228909	89
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41	5854.715491772939334213866228	5900.832883795790770636653069	5946.820062652999829045934946	5993.084653614646440417075805	91
42	5856.094228893924657411095914	5902.160660214254045193415563	5948.301613869440054304055818	5994.057233174675006723627248	92
43	5857.843809341438855552546900	5903.459104336165807972940254	5949.142426312635388881511927	5995.024532494481209144074100	93
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45	5858.833953060091339910780919	5904.786649649029349879912962	5950.989084392992790030602074	5996.609465538453866655625267	95
46	5859.861397251982080191227654	5905.377904296964183014585596	5951.430121674386412507296899	5997.392505688815814842397322	96
47	5860.649382999763986287850513	5906.654294834346700621758739	5952.261902584627730395707659	5998.052919752655547981850628	97
48	5861.434868985917139226727455	5907.305604481369755337803362	5952.902618768109362060845360	5998.734794943291395085923025	98
49	5862.557428297671930266213521	5908.304130378044936438291643	5954.465995760656197572357737	6000.121020998374398242438096	99
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02	6002.914838345618660044321756	6048,952645864481554597648184	6094,550261329978041582002855	6139,813239833825860763290190	52
03	6003.878519365193319554117737	6049,241142991617681342145083	6095,331193379996965078721723	6140,675863382833775707014987	53
04	6004.591820724887783124492215	6050,246128122275047045830838	6095,911728318065476671968612	6141,872358756231454527423916	54
05	6005.855784942334063607353908	6051,626971033905295497066001	6097,096728489390064447267511	6142,911451640284748056131938	55
06	6006.678028614962485021742320	6052,439739293708994985990336	6098,071498010461451623264262	6143,356666103172837357107366	56
07	6007.325565907606133666591993	6053,067413924323484897176427	6098,786888080899295824586601	6144,405867207821494553569180	57
08	6007.978287457788154404299042	6053,778846036457766245037496	6099,667065247016674700586011	6145,505364043890261398530364	58
09	6009.204540379586430364750158	6054,804164558045311285086875	6100,713939634763281918004039	6146,604329604662559738189077	59
10	6010.190820410438061199943935	6056,260886232179706718445777	6101,542636010731527203090646	6147,070023447599011416152392	60
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13	6013.047245645551296276037176	6059,134493785758582458899731	6104,369986546026122172358628	6150,275374104540173870150224	63
14	6014.042373169796768536827911	6059,466828728352247359558313	6105,080112318568317659818913	6150,879887870594664179500538	64
15	6014.663869379400772318478155	6060,341627593010384681420697	6106,427937948077785472040973	6151,572502081302249277556559	65
16	6015.161467300141288421225667	6061,493619822284428289642720	6106,698870787320148351154023	6152,585599027227552121694539	66
17	6016.736803703802709105802374	6061,793911747667375030324990	6107,888398279542395604612807	6153,326365653243776673646738	67
18	6017.530542899120923821839131	6063,253687207729857485196027	6108,683780716910883326509002	6154,805638423514126474300622	68
19	6018.180474529548380788857253	6064,593399932610514649346997	6110,531011475981902602432180	6155,704809901577576141087635	69
20	6019.650285835952248112755611	6065,104446594213095877824956	6110,830996154773429290585838	6156,737464494589812264813839	70
21	6020.485477165467457584019913	6066,142573932623411074311827	6111,844532847507673288333275	6157,381128649895637849398390	71
22	6021.078533684980212731308494	6066,829934378909977725236968	6112,464435384833018859023344	6158,397686173142676134441365	72
23	6022.496991537044644002840880	6068,165352787178424079308859	6113,552617473988230813831829	6159,096947190147221007465418	73
24	6022.866086750984914575913110	6068,884377847925849942761376	6114,761891753269902230215141	6159,829468995751324190308256	74
25	6024.235928621511194810084919	6069,569709881499908973275190	6115,274791543812193783141095	6161,429368945598253251374593	75
26	6024.765822154941554465631045	6070,456730948586473973492701	6116,167495930629415906140358	6161,827253696845165926754340	76
27	6025.652989058804266580460650	6071,607124379687053861958867	6117,090753291097079784350838	6162,415562412440462142000343	77
28	6026.328429368197704406023262	6071,987031737128093498992960	6117,552359427716710983811976	6163,378477444262907414916484	78
29	6027.149989355024829533913434	6072,986930281585092310381203	6119,215997842411625924736479	6164,773220517610877280810302	79
30	6029.083879336239010355712776	6074,835751881022211828368879	6120,281534697360683034415563	6166,200513434597172354629812	80
31	6029.871336490612924495198592	6075,456209880471805891716021	6120,933301686410976016382876	6166,483048994030781100559809	81
32	6030.366565545267206179682109	6076,319580410927648384650764	6122,094398758503553295160306	6167,464531359393705301397911	82
33	6031.190552493812445299457803	6076,896595428756527900230994	6122,857424919649677858880614	6168,379809680246988887563585	83
34	6032.274114806583767068247523	6077,923525597853783609354118	6123,356607972827526055503778	6169,394736467650740890784872	84
35	6033.146731331337611207695352	6078,464257000358784496568654	6124,138883220781073825307970	6169,538152648448951805981254	85
36	6033.644977208373443641190282	6079,725372514824379769499682	6125,172619880176128288571281	6170,820008109075556447100100	86
37	6034.942132629864696860966472	6080,817594639934868188860869	6126,568586519307376488417726	6171,920474771537950835091507	87
38	6035.782357605260268143245628	6081,177170652933892961613429	6127,130221394032243611453275	6172,839930458118756665442071	88
39	6036.735104464168221546656873	6082,501083706977573572940475	6128,046863129756694762316357	6174,235069962361212032653927	89
40	6037.621814970688771358614937	6083,644016757932694657662904	6129,268751548013510871879710	6174,747542413266487368143973	90
41	6038.620819010113696174254144	6084,383007365660920365833263	6130,291606464611255266012082	6175,309013705466202534555902	91
42	6039.780188462111087175715660	6085,230905162356115883081359	6130,686768649261289096597277	6176,744162202786075605757882	92
43	6040.747929474347735275926223	6086,325556912578516777475342	6132,121687397098473468264596	6177,630404449607687190345922	93
44	6041.398240993254923855177104	6087,278392364372645258807476	6132,762353486791185964552216	6178,410285632124583663284211	94
45	6042.397652237235167301377875	6088,144768071507194160100667	6133,489892704202552012905467	6179,094486917628065861993738	95
46	6042.668644064463009805446580	6088,537541404678286308286648	6134,455051667965093678123015	6179,764681614095670946034011	96
47	6043.995010268979583331288541	6089,128616019717220693059087	6135,143074922048810884564611	6181,012825755287161887183191	97
48	6044.552572123936447633859399	6090,717153107077479463820346	6135,892613200648426736061327	6181,678420746651563134653559	98
49	6046.181521954205143328526110	6091,689881768494912349327279	6137,781389320129082233523447	6183,062480334703978667785190	99
50	6046.796932396247279023398789	6093,192335325567517799013636	6138,445601390254319204479420	6184,336316582487731672272459	00

	5801 - 5850	5851 - 5900	5901 - 5950	5951 - 6000	
01	6185,079974864195634102861010	6230,323749796148486810308204	6275,846693888326961539230860	6321,415499802147126023965878	51
02	6185,460103700484071046022684	6231,186984214131169446629132	6276,916164708130861698123748	6322,118186694310526629375279	52
03	6186,457283968078467376192805	6232,234236964409524422326847	6277,229194882689019945529873	6323,182594444867893573700149	53
04	6187,126750723331392003293042	6232,811490700785666483300895	6278,607595708884193469312882	6323,689061223936470141593761	54
05	6188,459683360364819828546141	6233,436150635210628266442386	6279,122462096040720938596347	6324,348503493780794988226638	55
06	6189,118029681645703748416900	6234,905356027907659477960258	6279,993148665393151052624325	6325,991157331886648638111469	56
07	6190,169795887310407687301782	6235,691811528844528331420952	6281,406047966539854644854022	6326,550698605975945347902440	57
08	6190,926665971511627195755923	6236,871797213750706445500364	6282,275812909980582035603610	6327,709329596057545298359716	58
09	6192,097286028823218960567293	6237,401188051517586852149297	6283,220407901683433141011335	6328,768971501923933172785488	59
10	6193,133431144429529257477879	6238,507790150082465005650149	6284,054280278027934605943403	6329,665095498507683840962946	60
11	6193,902824192949343159026402	6239,720298749178834360436182	6284,788411119041237325819579	6330,240406355495641936296058	61
12	6194,965274092488516895804620	6240,518432488211752983440690	6285,899070662988608542986914	6331,108424755269534355861161	62
13	6195,672078990472128671059393	6240,987478337604995883279042	6287,173743024350783256162235	6332,346151108676920410034956	63
14	6196,664752125840570041711919	6242,263742648332989620537297	6287,425952940815398619817572	6333,196346147333266403354210	64
15	6197,387063257130763175227635	6242,916128110378443450996737	6288,211245409330052612688420	6333,916050927501329654488083	65
16	6198,065389560702001046989830	6243,536571206048710188135425	6289,114831893080016509346723	6334,410684881733392366936526	66
17	6198,652216561331644632868179	6244,467501007128694225550839	6290,037006599129783569410241	6335,356899771550918682316411	67
18	6200,674034464229283029163227	6245,846353792800501805559479	6291,549652024560088969914361	6337,044248810119409828111364	68
19	6201,593088508775883273702145	6247,220803894968887354952498	6292,329914868597809194430 23	6337,822038198450647636813383	69
20	6201,832569639449296180227209	6247,765900412639837931506468	6293,297335719867382599572039	6339,041957468347528840279673	70
21	6203,190910737261660907958494	6248,617590056633857018212028	6294,349329653984613469809016	6339,248808949114715564585438	71
22	6203,867876241975048665658355	6249,223567202485983929140391	6295,006181305976214400051819	6340,441439655440368629957739	72
23	6204,585656186870193123194251	6250,125998032665393587599081	6295,221568857195857418734458	6341,029239095866058762191186	73
24	6205,731342331215105942850082	6251,160830038508715030922682	6296,546591927773958859291769	6341,954159169849297249536237	74
25	6206,513025685408315133979855	6252,337721681161117737456422	6297,771255864573130869783048	6343,025918905335253948584697	75
26	6207,353677366980296756469657	6252,960641623911123260619912	6298,458690160453380733914162	6343,639577676622732046666410	76
27	6208,562086127367787078461394	6253,372699433021519516074696	6299,172745574499790349694561	6345,124572354928616136147138	77
28	6208,813972410795796050490324	6255,212382593087241652058411	6300,374887380822561922402947	6345,812781595794479126532186	78
29	6210,470030162985671912160517	6255,709995714932515218483246	6301,383220877710107792295841	6346,708588292483206788292599	79
30	6211,207816547218154143050176	6256,737988103586667303977396	6302,230259739779732490829525	6347,512774839417058411584484	80
31	6212,549686057973823492760050	6257,821913767863791689355538	6303,490771613428405252769232	6348,864774975658755015613243	81
32	6213,187976900496243026391472	6258,863142201866063809819658	6303,949179388617328656499609	6349,694650324670861344928774	82
33	6213,799999957366914719562077	6259,511130503419091932000049	6304,900391851708683599406920	6350,349366018132023589181941	83
34	6214,501304729581620591147242	6259,969134480434751244248869	6305,747858386109966545114364	6350,797904043100050054103581	84
35	6215,400957016780243214200903	6260,941865601983487287144768	6306,557291346391699737448704	6352,124095646808434087757386	85
36	6216,668292162449824013275693	6261,776846422373568857056339	6307,144720875522995450197965	6352,824041916451004197272870	86
37	6217,188858908823191031335331	6263,065904931718502883111851	6308,253824515857693686567241	6353,487236191205026928767090	87
38	6218,517119863552869216887324	6264,199277451351076367973869	6309,939810025127974587925835	6355,408107878889067195858783	88
39	6219,844220203323984112858947	6265,060898277042834850186176	6310,837756045101963675388432	6355,930130900404423272717483	89
40	6220,276866168359960848763309	6265,972125306059741623072136	6311,201065750283753075139373	6356,984106932884389864500314	90
41	6221,350127562687157238888253	6266,645735922494529375323280	6311,879397195401941703638263	6357,606857658452497579654924	91
42	6221,641300960960463553933148	6267,560486576163312046585666	6313,321021466825313884265061	6358,315701847617436001125555	92
43	6223,447708927403445850398899	6268,625266754623781466296793	6313,825911946270715652836868	6359,169623810261232247339372	93
44	6223,854786959724420050582510	6269,267355566475975964349843	6315,031008723212330507770052	6360,503448520766636966998486	94
45	6224,732447312543006945775876	6270,349148874556124765742230	6315,483979856275076351362362	6361,108114371222121025044670	95
46	6225,470678081441736860112718	6271,148771757297805292572795	6316,769600866338171251210539	6362,082499057126084295274814	96
47	6226,232883566194536997463775	6271,964363395980884268250830	6317,255760098615846449138466	6362,685361850654181585679288	97
48	6227,450045327269222797584305	6272,586182980715547561981310	6318,603143126995766392423528	6363,900839548029471635999953	98
49	6228,832840927518282241600999	6274,619334058124033153733228	6319,382478611861085728394353	6365,283583744359191039687139	99
50	6229,761584418354129123508534	6275,133981984459411514595815	6320,918880337805217809348381	6365,852321021016381820369595	00

	6001 - 6050	6051 - 6100	6101 - 6150	6151 - 6200	
01	6366.671353345361424043665282	6412.247558440064533014445014	6457.653867882111396578083196	6502.566972220884626823699216	51
02	6367.958813533014683606676860	6413.040420058798045729800178	6458.658611072352056851137001	6503.701543493511297749057046	52
03	6368.438094219739437846784045	6413.833451375073185710343280	6459.067827430399617446657789	6504.732509796223354690686235	53
04	6369.245882999161260488227379	6414.570290068342803031113575	6459.952831320823704233433217	6505.408729994132477228817227	54
05	6369.770229023833336162843078	6415.462076135825069083272363	6460.534639476212205713095501	6505.667900631896612114664455	55
06	6370.898050447910822287735655	6416.175908960685471839270339	6461.614784191283541384937438	6507.137020076430888150982719	56
07	6372.415682393795277333579428	6417.378052856020880831767243	6462.852814105798443688311964	6507.477752627870797739617758	57
08	6373.173152452142145875621477	6418.792599643247888029496410	6463.724097145994532060439372	6509.618252802300380090193279	58
09	6374.053534358543126366858131	6419.692022861102415794709923	6465.143720813163052803080956	6510.058208138934536733779014	59
10	6375.032404908860483046297454	6420.182578627688254466558639	6465.743873966872537666104606	6510.892054060107106316017053	60
11	6375.599195635544081659462540	6421.255935827854276589841108	6466.295733700457042368069781	6511.726223192474062750477368	61
12	6376.764549170062526955946789	6421.491228644308911455117745	6467.193447823703071356964737	6512.566938401199879908526406	62
13	6377.511439944205574328358211	6423.414486176729502061680178	6468.092790956416076326101763	6513.360945148274204080765336	63
14	6378.550145730094809378051817	6423.764508953828938088570986	6469.131125190510681452820388	6514.382624269534249631602370	64
15	6379.246624188774805113775267	6424.401461601265353716479520	6470.197357327963050919695807	6515.052647859496398127314414	65
16	6379.959409795578899795605999	6425.399747352048543312863 68	6470.701077816671190153762082	6516.171290289174179264486150	66
17	6381.143665232173580816394071	6426.480014181574981383484942	6471.560457479093344829598266	6517.240330844650423525846657	67
18	6381.848039061530956521920749	6427.401528361016960064605713	6472.780201590247656186391189	6517.861387846916315813208071	68
19	6383.410238912067498918017290	6428.587583738724528074753978	6473.798648696707054279101901	6518.808197450836873827723797	69
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21	6384.920488511157782489995756	6430.694571981495006693081676	6475.727754605961955342411232	6520.909964939857657544408523	71
22	6385.578203508125938686129914	6430.918186133596075459757842	6476.113123922475265844804449	6521.788872386337834917927833	72
23	6386.357077118747839791112306	6431.981683244139887682676400	6477.481705763072629091248471	6522.371597080945186712475144	73
24	6387.528294105803732639907448	6432.433303080168638469244039	6478.027176624626376606284639	6523.377319126218735663118016	74
25	6388.197850516724536284829334	6433.622387485807578728402117	6478.831342932714104242697388	6524.089123052959289596051814	75
26	6389.360853368250931541097737	6434.514944024420730191217840	6479.431139218032926513277048	6524.898764044254781140436578	76
27	6390.006152212628571675579255	6435.774652679148520790755994	6481.273679157492809066508356	6526.082562690724252412499445	77
28	6391.686645483916793870448866	6436.905185937703858712866259	6482.002790371315400100909246	6527.431766363988799392645324	78
29	6392.187328677613410415002956	6437.123406603307296667459497	6483.006704609867431727122287	6528.187904465222229883965292	79
30	6392.718575157853163115443785	6438.740481004520417110746736	6483.450189794245668091840289	6529.103609831716260814904207	80
31	6394.065073885532055817128589	6439.140618634673134465334295	6484.519323277323860277636776	6529.761023940341150163592452	81
32	6395.031740700798242263187516	6440.125226420810110565720895	6485.713209326583412622281524	6530.427671755756182999439521	82
33	6395.668869607560350222505617	6441.140573842962555865478916	6486.163374261582699002024902	6531.598707501850635662802512	83
34	6396.729259797332919624862901	6441.894099406383302656517058	6487.445215262415743448405835	6532.693567137808111116328951	84
35	6397.361130692520493118078438	6442.897533673153230527854574	6487.830216813242214510026033	6533.491429406026904313525829	85
36	6397.786081170897035537166982	6443.565266180883024089478376	6488.926620780881315211359468	6533.871387072464251311318129	86
37	6399.176640347329416090414583	6443.978372087088441979022178	6489.622575931016999621281044	6534.762937012053292279293062	87
38	6400.746238657757721502045431	6445.971515283606789670201855	6490.906097872482926005423205	6536.470053698357899347488270	88
39	6401.323625925219883585187454	6447.022174123041568812107774	6492.190210433448301029761073	6537.054650213740264780453504	89
40	6402.175290622142466589572225	6447.474618171753579654595905	6492.813486515120289631143800	6538.142600402396599285861689	90
41	6403.110886587122267792992130	6448.246132866305740677297087	6494.004710693342287935654950	6539.169984547960272350865614	91
42	6403.861397515233267998038914	6449.332054723968976675845322	6494.622125318580358939525626	6539.724960984898465119530116	92
43	6404.767039730848564776754159	6449.896208786239332513336048	6494.866454095690876934336764	6540.638906760232297601307097	93
44	6405.178961948583762285283875	6450.770449031410653905280836	6496.007974724864466058214968	6541.354659155190316552323178	94
45	6406.748283859479067431489988	6451.965072774469422441009834	6497.279308277570649067179856	6541.862394583097596650849559	95
46	6407.612952818620513405429830	6452.616809388042463744423364	6498.038769460500676695066131	6543.517657049525190307081059	96
47	6408.077160917846822667821353	6453.681785667650826079099543	6498.834863257906309160628893	6544.117508866735991242382678	97
48	6409.279021189901117343318530	6454.861307375188520520664580	6500.031689480680051882774078	6545.406761305511317930160836	98
49	6410.353801335843156185769063	6455.690820622381995171408060	6501.207453991779785792521401	6546.203853143526757654197308	99
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	6201 - 6250	6251 - 6300	6301 - 6350	6351 - 6400	
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02	6549.129863100256038989836095	6594.035062429382218503044757	6639.075753370515833884153307	6684.323087144982997914880331	52
03	6549.691789353554554080761154	6595.182141381570587384127928	6639.859562435562389737871786	6685.084637365415992217097881	53
04	6550.283449195851965903047183	6595.672779583989083248967123	6641.055120832440537495166069	6685.936244319487324881694902	54
05	6551.606750606022885379687858	6596.500204522654024231892906	6641.786228641866041104753904	6686.656349751517539012902461	55
06	6552.137913651264489877075802	6597.265170319660121486734 23	6642.644283633712492250592428	6688.040741920755122039412151	56
07	6552.822686785684069590111602	6598.340695483692917390573784	6643.292547542332942691743635	6688.503502135193193608479829	57
08	6554.188696830806650401254002	6599.176046768407733055941413	6644.119902868443427942150496	6689.259935461762110317336813	58
09	6555.776866674192585931472534	6600.753780454660541360516887	6645.918402372157220363571551	6690.508707528538464991814708	59
10	6556.290164157591708536135282	6601.347457984375360599999448	6646.611795538476926163649651	6691.704920009254843555762423	60
11	6556.932787603161003021924604	6602.390527988640125968896320	6647.322423863212770213747979	6692.647541254749194218910361	61
12	6557.550866183959278842526653	6602.977753481656713051573054	6648.077919597346856684246042	6693.499651871101691021646362	62
13	6558.710265696909958411794750	6603.897138837148296885247835	6649.384089933557217783668729	6693.981516036087729137518894	63
14	6559.459473093697398730156473	6604.427167139000244130092990	6649.647351976543205296304570	6694.823702884915021330827210	64
15	6560.485236248453851356009004	6605.399554340270634154056253	6650.383134979861011807332734	6695.938981836288821680687662	65
16	6561.246375942028388529028217	6606.694580788018305136735443	6651.545139433764412514239995	6696.272310646920029171746871	66
17	6562.260958255342889226672027	6607.765474189113708455646887	6652.583661009993449025507050	6697.779004686451685941074248	67
18	6563.369421995659979696685098	6607.967781789132745462814061	6653.941240679172462406398440	6698.507679622905208531889859	68
19	6564.166004197383188149628834	6609.741917966225346152503503	6654.366268486230880080485626	6699.761639218128279456086855	69
20	6565.225896725426339287715827	6610.094415677309120256933015	6655.334573448509635876458255	6700.871368181453741138670018	70
21	6565.916463678861602936381610	6611.386797395995561930022667	6656.446114677313193013622871	6701.375798236871544139646473	71
22	6567.222123704213833505231188	6612.007975267009756520257089	6657.053755492811346689374948	6701.784678330473056665745244	72
23	6567.810942958576117206538186	6612.907977501809397040214089	6658.335707229374759429550826	6703.336806677939987351896296	73
24	6568.585110673608741590183440	6614.103829390387868302355448	6659.055077831643344376997372	6704.270589493424994442809516	74
25	6569.319354206848405752012036	6614.525354351744778253463380	6659.521842320747639712070497	6704.873686015597016024227906	75
26	6569.866289055112532484457917	6615.245604673416848274922652	6660.503555598670573876335764	6705.640106165690509707718945	76
27	6571.349397080133331679897506	6616.001321093093802857847106	6661.461648933372220394006915	6706.214075997798149736029219	77
28	6572.768540538470061939809028	6617.823120341630444325833108	6662.346720631638792623350235	6707.535168632613871650512904	78
29	6573.166263739421396648861830	6618.582598754258417942192789	6663.719022678308470169438660	6708.721048689681165972142854	79
30	6574.230084645367649721009643	6619.598203880315848087602088	6664.872916950475617243432600	6709.726991699264887308609590	80
31	6575.279364268423755061319084	6620.243653081768939408674584	6665.432916953979205554975383	6710.545176389561913248809424	81
32	6575.921041736286156123118691	6620.801846220445418157220821	6666.236097925817492378157305	6711.503024657997161672384001	82
33	6576.290007732859411696913132	6621.897593444352850674215362	6666.808353082496453560556808	6712.089903868122188852579688	83
34	6577.842444727393527692220319	6622.896150263723238417487239	6667.616350899313029851456738	6712.731759929546332370334195	84
35	6578.668340544979109385439568	6623.574968353803824221298322	6669.097362269837571762272355	6713.825345385445995691836588	85
36	6579.281726766580351184104807	6624.663719462918326760586852	6669.810009517607377143845428	6714.552463890872704779522244	86
37	6580.253132475486986297181147	6625.250125790551209532923570	6670.175702313964530903226083	6715.865576387474949010094109	87
38	6581.106726792464198508134292	6626.636287300496303810874715	6671.713778808945341958604129	6716.558365972571729200158586	88
39	6582.366235017422402103327571	6627.460241761985331555728372	6672.526465395131963719080074	6717.809675011431266750734416	89
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41	6584.025065236713674143548156	6629.891281103415527153647742	6674.254359553938292440198858	6719.559687205051936607058454	91
42	6585.152149259115860210010083	6630.110418429952930703223972	6675.608127235226302827096905	6720.626196173092866124772746	92
43	6585.766065749253301472930418	6631.038268216502148694175210	6676.021079514865380950442967	6721.043429319701700159256260	93
44	6586.365117607648683691935879	6631.547698183336692897335377	6677.034062070678164792516083	6722.047668249347597020187932	94
45	6587.679935019046033099629994	6632.548656711797377311948535	6677.773602313434796236988202	6722.914170254797079255648723	95
46	6588.133534515000023429777765	6633.484002020727312420179592	6678.438197868944262587857402	6723.649784945099889200814597	96
47	6589.210210194637361826526084	6634.352598134559372051020472	6679.147300422944390846406636	6724.573284418511836133330079	97
48	6590.863205277395462127199104	6635.696775490745872128321501	6680.890098038188466922521901	6725.062801240417049298233497	98
49	6591.491048592958149927466038	6636.654287338266203341831746	6681.885127241568576084659285	6727.203484213404062511634808	99
50	6592.144011228696277901218703	6637.625363681343772683126168	6682.565640306699126267180222	6727.861353028848182556755259	00

	6401 - 6450	6451 - 6500	6501 - 6550	6551 - 6600	
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02	6729.486019096450881267594962	6774.572946802576487770474649	6819.200378865703849334843749	6864.468078714367562850887904	52
03	6729.895237293208604272276188	6774.993840108070157421139636	6820.389495636155036865508026	6865.320196229558065051712915	53
04	6730.934946661614585471722024	6776.146685002439899344240256	6821.029054304978064052276869	6865.947533329557641254848543	54
05	6731.961248879775819856247909	6776.359235997386577486877497	6821.700640049411034089968457	6866.605957422316035368439729	55
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07	6733.352651970028390788868059	6778.684172078836788787339033	6823.687203033240147964139362	6868.582153641689892691857346	57
08	6734.491411333636662660860004	6779.586018071240762023575595	6824.619085022734086601664704	6869.569127747683380050455219	58
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11	6737.651227900498382902737802	6782.353593658482034685235559	6827.215195839816884132750582	6872.372448382001805324956564	61
12	6738.297181091919082992338932	6783.353036592479137668210371	6828.196024115884701487344725	6873.072723613971619286407262	62
13	6739.552413812180720816885451	6784.369341123243433921132010	6829.600399880406286303912573	6873.934694034237886277072040	63
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15	6740.457697493020143147923973	6785.783415364001986319289614	6830.870213620891468952849371	6876.145315861663271238945146	65
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17	6742.674048332693447913422417	6787.190723306275850312338864	6832.556238235138791472374404	6877.237646576932945636440442	67
18	6743.672183245423916776684299	6788.359287917739126642440680	6833.389260421885037647468879	6878.258863124613273393938736	68
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21	6746.593080879846614749183892	6791.376409715538111161549429	6836.654339308383772621754253	6881.688038384212993459752183	71
22	6747.242437890560569040487227	6792.196698981655281079320350	6837.608007663348725496761173	6882.445197358525480424401409	72
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24	6749.031010237307091294180720	6794.096623844172679733799820	6838.573655317860400836836712	6884.181301466834897459401971	74
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36	6759.501932128259026160994827	6804.369622404881331678235091	6849.879668262096546293452691	6894.725796291228656645838112	86
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38	6761.720180324828193423652806	6806.401467743143591086741118	6851.115911270180983140324096	6895.840311975508770623404233	88
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45	6767.826497444045622221699312	6813.242160313709271536756791	6858.049411800569507685699706	6902.578676872228000126881305	95
46	6768.762729472866056368643422	6813.937310608287777888292318	6858.558429214375931473496263	6903.937998227294608231964693	96
47	6769.585676837071952234692080	6814.462465953229768721676311	6859.922463959376645317706241	6904.535186364931885592946450	97
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49	6771.955148424854677350096575	6816.335338647445576803846788	6861.108305661411744999326140	6906.094062894561701901503000	99
50	6772.495692995084200294782223	6817.957478321912094698181896	6862.251552326197145827137938	6907.140032630438534529029319	00

	6601 - 6650	6651 - 6700	6701 - 6750	6751 - 6800	
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02	6908.90308954129317510574341 0	6953.80763648294845553328756 3	6998.49879522210674809980887 7	7043.66023142189663485903852 4	52
03	6910.47225569874377493834791 7	6955.26155855196833325534132 1	6999.68267865455648229704992 1	7044.64489554627136766016933 1	53
04	6911.04892456307187094898658 4	6955.78844153482948375954973 1	7000.71768758880452029419496 5	7044.85163531705896275828905 2	54
05	6911.81990683113361332637125 6	6956.54604363655254301095617 0	7001.85590089075557065406603 8	7046.48718518072916094576089 5	55
06	6912.19214457633588250828738 9	6957.75599370388266644715010 6	7002.35283585147536279672413 2	7047.22507204925460017587934 1	56
07	6913.30355554739990641754239 4	6958.03289165978341372264433 1	7002.69150868053982536567873 0	7047.94843845417935641276405 0	57
08	6914.18754337108491418893648 5	6958.98084328875521213911911 3	7004.04372349932867686819006 7	7048.94940186396961128588746 6	58
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10	6916.24506392892840558492789 1	6960.90147975152056093563775 8	7005.10056467264672156872019 5	7050.29721317184872708833197 2	60
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12	6918.35758701380705337802291 4	6962.87022599655597247413268 6	7008.11474205739490788532413 1	7052.73110199817672928251615 9	62
13	6918.81735666306842132037149 0	6963.68028448135813779521016 6	7008.81747363325487577074924 7	7053.52983140984068178155668 3	63
14	6919.75035105609908595830931 4	6964.53368407905698352386015 8	7009.36775070714905519068728 5	7054.22932577632004134435666 8	64
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22	6927.28679783768967838121662 1	6972.09593614575304517887373 2	7016.72161029566235107648615 2	7060.89730034682862423708410 4	72
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25	6929.62705191305481842996432 5	6974.59151067081689061422119 3	7019.43779694602994695043898 1	7064.11154339121527960183810 4	75
26	6930.52889004963350765086100 8	6975.29819795423473750492394 4	7020.43587738254045377476089 9	7065.14932852593262322615295 2	76
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29	6933.30457252418752610575489 5	6978.18161501890578689334652 4	7022.29522444404419822906758 1	7067.23227550783984003880082 8	79
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31	6935.04537089476232934386356 9	6979.76284341741198968504423 2	7024.45516570243064328190209 7	7068.91082358489074483319469 3	81
32	6936.10813434243307623846944 5	6981.00433217659204861512843 5	7025.69930404624329194712293 2	7070.63177554177731922517294 9	82
33	6936.73874903030181920466714 3	6981.97686668382443891338032 9	7026.59472373179611591584049 6	7071.25754903873680934883396 6	83
34	6938.14246006956862687813853 8	6982.39741557958384293431339 0	7027.30830666373973199211991 9	7072.43711505456918265154151 0	84
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37	6940.31134460375543124658101 2	6985.15172185623282749324122 5	7030.16093781244498928007000 7	7075.06713641484113844841676 8	87
38	6940.80264957994234448025367 1	6986.00367496095685442606072 7	7030.91648067815889292811638 6	7075.89087355344681090394150 1	88
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40	6942.94779855056580096115609 8	6987.25412632279460396228308 8	7032.32678939316439369425374	7077.06591247199705990315346 4	90
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42	6945.07150056342942071225648 8	6990.11317165368878814132845 3	7034.29201987518325706444867 8	7078.93189080424812758098905 9	92
43	6946.31146455826643989268308 1	6990.67871133483349141949467 1	7036.04298345023581237542028 5	7080.13730426241380033554059 6	93
44	6946.66139110081153799312383 4	6991.93952017036806327301311 8	7036.59032823825039934689540 3	7081.32904556785268592066826 7	94
45	6947.47263196352733146699384 1	6992.27549825583793439017296 8	7037.28765097119877087891461	7082.27864219987263660065583 5	95
46	6948.14396861325625750935381 9	6993.15908382750552762155854 5	7037.82637879167552633585721 2	7083.02420621204479903097093 2	96
47	6949.58424672847292125189446 8	6994.10997841756084361040667 4	7038.89215911775558059943600 7	7083.62073418104737785864449 2	97
48	6950.55803183932089668736307 1	6995.03933973300880151013686 8	7039.72469085308638715661567 9	7084.29906779678328427281527 6	98
49	6950.77871880041299884515238 0	6995.81935187568579475023793 4	7040.82831205880106241115669 4	7085.24872879786641957358600 4	99
50	6951.73175677067312329472597 1	6996.88697587042344434047319 0	7041.38046733999715272833117 0	7086.30673143924499374006787 0	00

	6801 - 6850	6851 - 6900	6901 - 6950	6951 - 7000	
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02	7088,172775646456949958570261	7132,874807757900636116167957	7177,135820086710826636376257	7221,858048232402909752677418	52
03	7089,062481920448932894951423	7134,003937657023340850300257	7178,280438268983539456449604	7222,538863252622004800044433	53
04	7090,042338353993702465635917	7134,723114154968756594295367	7179,369326560170893493053779	7223,961329509093138373102552	54
05	7090,994773908901678516090565	7135,384622834066491496621229	7180,557671965447806272846955	7224,960275793196593619316711	55
06	7091,867503872859784602269752	7136,640749182656053431085628	7181,140798188647013582973828	7225,664637285446599001701765	56
07	7092,676342251268125351927654	7137,288235953503696044709709	7181,855662361213025117336164	7226,826232421187236917218830	57
08	7093,502511762346160538641780	7138,467686063100900558422122	7182,761647877433051120191600	7227,670652097844863187990976	58
09	7094,688695951538395812675527	7139,026902843552392658323997	7183,850495116685954875232007	7228,104973435514036585179566	59
10	7095,085720383148760778822851	7139,857139271782894586588470	7184,720859712183550447364217	7228,963984592910047737013541	60
11	7095,725602561609248705808064	7140,793842097438183195558300	7185,725322573682124312946212	7230,578979849759592006633855	61
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13	7098,543092299949014518628987	7142,172195163232959826607349	7186,689666428596897025124033	7231,712168225955255454003968	63
14	7099,105747706266985255324219	7143,971077069489133989884578	7188,322594508839107086180526	7232,507337222348557661325396	64
15	7100,148609518812446672413607	7144,642672074679686382164037	7189,145690499370158632134676	7233,305725601915946368972050	65
16	7100,374674131554192218680893	7145,706891491172549902576993	7190,294612842870593035236391	7235,032410357939797287504158	66
17	7101,805060778171165277313145	7146,385883316661609009100214	7191,067900937835491533252200	7235,592047601008263783914584	67
18	7102,326350494877130080179236	7147,152214246956161741424649	7191,983733312583084309713573	7236,715293141730841199223811	68
19	7103,038586280858889406435717	7147,421342255999126042609233	7192,682398727873787226175146	7237,292700988194176736495647	69
20	7104,510386060178508134016068	7149,102831303930132017794916	7193,221050146965582294763937	7237,923815549652487996384395	70
21	7104,853653429335748639565545	7149,690649365278747702147257	7194,053741291015091078394395	7239,107138358641192603699621	71
22	7105,840204617922114786654004	7150,675386373472028703866968	7195,421790712331106853204450	7239,492824902631269042186877	72
23	7107,089407119066238538959335	7151,241040722670503614577523	7196,187762765415781638488838	7240,744574580114092819848552	73
24	7107,734543391730367235917605	7152,673138348752848444344235	7196,957814200186857687615894	7241,383737522915921152420323	74
25	7108,776071695753780748221584	7153,629414430155319316999667	7198,143606364030357703698285	7242,813003428781172547067376	75
26	7110,001860578941238972889234	7154,183565146983572594831250	7198,993453206823580949808952	7243,908367802515763733067805	76
27	7110,890294249122934820289226	7155,223016558715971839533952	7199,744478634550894533283230	7244,194739883836286630937276	77
28	7111,196220368459286452693929	7156,483767096551489569564866	7201,057149777088322462487462	7245,048351170916220497872332	78
29	7112,280552946116879412299254	7157,069573629554205763815128	7201,577794024115792159534278	7246,521971661734763370775324	79
30	7112,700332233813381973887586	7157,560009133949787809821969	7202,481414823114816402871447	7247,172743211685886603274709	80
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32	7115,004276076471146822137269	7159,230610392881806856889602	7204,265486356892517034682527	7248,558877326029450882312838	82
33	7115,666729177026194190031214	7160,332445434675981806948478	7204,764022449226842027075113	7249,575515820298988962944165	83
34	7117,412224324585836683263651	7161,815172321187023652578080	7205,523076974799073743305472	7250,311306882172284723474328	84
35	7117,750925734540749607059208	7162,637987016803280796318685	7207,445017114693265819869321	7251,235573152237103403674329	85
36	7118,533335836163064078411500	7163,137487199212247559278404	7208,190170854146141914750995	7252,579133334387534519112626	86
37	7119,283665360747586547730457	7164,371935918646641892115846	7208,927724211690135738359630	7253,776967720476614618575696	87
38	7120,250769053210314435169856	7164,711987143345429787074969	7209,383550025775725161235512	7254,381581372636949382866662	88
39	7121,421516882193200158501438	7166,042526862267983285461648	7210,413788577275150585949083	7255,040228434971738992738029	89
40	7122,205851773634820087250411	7166,532447389484476562326833	7211,335323495701183315311932	7255,894616493427658476874883	90
41	7122,716594278005179082307867	7167,595613911397027316954603	7212,363396768572118346438423	7256,728742507302461038490440	91
42	7123,681370582503830561581119	7168,643915100565886511951246	7212,963407701593349104032973	7257,358809297469850226806680	92
43	7124,489058108263974324257190	7169,192035856892491744957168	7213,836766767376605856033651	7258,884140087888311105079816	93
44	7125,915836857431560204631201	7170,161501605523925340273066	7215,101957542789342262532894	7259,519592696918670543698935	94
45	7127,035111899373219259298222	7171,135705960460137186700364	7215,532729521918295095515257	7259,970840182008702069287810	95
46	7127,569883237844045910357421	7172,806744272893638600938691	7216,953096055171436395721166	7261,333797702849865958559548	96
47	7128,564326582400678445468118	7173,355088187846074001779447	7217,710867056885423202803920	7262,445974054864136496600471	97
48	7129,114147836605343972862464	7173,622770905666702375851535	7218,731285313752465339205644	7263,122832007638058256355054	98
49	7130,329985123599288706751515	7174,907955975350730354381672	7219,713045159146933853767123	7264,272994053367815024451622	99
50	7130,710717138684882068211983	7175,547478519791275039633579	7220,432147546481222226571721	7264,748248090300387315461221	00

	7001 - 7050	7051 - 7100	7101 - 7150	7151 - 7200	
01	7265,962856285730425838365060	7310,501357045358307444913084	7354,584625580227641599485268	7399,220386820145566129749379	51
02	7266,825071623350184688554611	7311,190951720799514080265008	7356,076801101874458613203187	7399,828819540750104141317490	52
03	7267,022572810923249049979310	7311,881145968618934921569208	7356,713901537035419772550583	7401,354181203370289682693408	53
04	7267,851161907388025441739181	7312,724372391775215874088032	7357,298064962759905567036084	7401,670669618894287793727037	54
05	7269,281796531018220073296042	7313,555046083626767562658689	7357,829927024958913009851964	7403,018090817923481455410772	55
06	7270,665196022362393679353795	7314,449131441170571386484551	7359,022424060840259339528031	7403,448923018043834200092129	56
07	7271,162578225273133176603632	7315,755628547018349158744526	7359,818833444008357428444742	7404,103468670983684070742905	57
08	7272,293916094605082827463477	7317,100250555245665362206622	7361,267013426217842891349510	7405,071527890625336518225923	58
09	7272,756819678747073989472417	7317,553738653384640218056322	7362,058134431228568163409645	7406,454875899130835246784633	59
10	7273,701234074715900567847255	7318,351002510428594160946292	7363,102591149028470739943313	7407,782772520035335433673045	60
11	7274,639386093656458108059306	7318,871998937910655270094475	7363,822093867508893236595826	7408,318442247684754666972355	61
12	7275,692946628287775442350887	7319,896757099853641876323615	7364,469761389726229405170711	7408,961023091149374354811167	62
13	7276,188510979781822820453798	7321,233781570092830227254944	7365,120059910441376045579526	7409,697910099988901549521320	63
14	7277,313417506350011730332235	7321,717373427289606437279067	7366,176826462235344939384607	7410,875016639208371852939380	64
15	7277,911194920978544607524762	7322,568751053077915200438050	7367,444805267362586995852090	7411,475578801157833130452150	65
16	7279,226323515833416739916549	7323,243983122767672892033535	7367,716583625250539703903162	7412,215344651957668830718576	66
17	7279,768521282346233808039229	7324,849333141856509673237135	7369,211235568974283400824612	7413,328582877763198529613239	67
18	7281,316094067057101992480968	7325,226115149934923090421963	7369,532613631588597854590387	7414,418814788438288698286749	68
19	7282,176167149542507676168401	7326,444102995292468808746263	7370,778296043783205148167530	7415,180650157045556260329973	69
20	7282,817681698420671027601758	7327,534497970134863705956424	7371,987960977816102732237261	7416,269504385515811868804126	70
21	7283,495775763902552397188847	7328,283514383425177515277849	7372,805047996384431371907823	7416,713391716671162192253166	71
22	7284,023697897273047769099871	7328,861171711708020379323190	7373,424035167817824410782270	7418,310509223290436967464793	72
23	7285,277302369637128835807406	7329,815578232490447790918873	7374,349391958722387603327051	7418,988098353758021811298831	73
24	7286,139694204905831124206972	7330,586839533580275299797961	7375,199243762267915500421859	7419,537617023206762724813989	74
25	7286,779238865985828163610737	7330,970858435755318792725478	7375,878151643608935722328118	7420,415913275070822032928701	75
26	7288,267170428100978003181612	7332,652130477497609658356562	7376,873649474445420756326242	7421,420781813852902728309606	76
27	7289,103758080980736402285903	7333,517033387612336019715985	7377,190089316885776702256030	7421,806962622241659046187329	77
28	7289,940276827100235646753104	7334,639105970603126068456344	7379,332785005437798852532194	7422,910687407876036752307014	78
29	7290,821429929111279319382548	7335,193963690995500536703018	7379,979603052970017436519749	7424,220735433382475013522997	79
30	7291,290043575748966573980069	7336,016820436064203488520724	7380,464011573217246397752125	7425,306205763072387950164661	80
31	7292,741249445308596368883923	7337,312223967157482777072629	7381,536932090845833017231712	7426,042615765489458064169280	81
32	7293,403109651341221108233143	7337,649201460033123598290922	7382,222713356686497953224723	7427,010358315736622728118950	82
33	7294,204147964223233267897628	7338,621251438964497619192350	7383,173523724594820140594641	7427,618882172240882487429845	83
34	7295,048894052715275701475588	7339,763136524200772065825634	7384,202396205880081704025185	7428,124246616228754627854795	84
35	7295,564849559881398992490729	7340,495964530858441116746848	7384,924513067149752468021301	7429,350889131061105350627132	85
36	7296,571619042983888130307907	7341,172411124238111707106739	7385,752633651786959632919447	7430,555368894859813644200450	86
37	7298,368684315504602304456760	7341,781448952951327102260598	7386,461552514135297793148748	7431,156635122250530927296081	87
38	7299,138848601880261484714061	7343,507522665944163526653307	7387,542420641697263856791036	7431,634303466920622692660566	88
39	7299,336571426263320006654536	7344,429407193065457155712548	7388,629535056729806573127080	7432,740669966663169448268580	89
40	7300,763476874868297675677466	7345,413384428055544149387436	7389,584509291652398878148721	7434,041575198198332452904725	90
41	7301,581317104950424209411105	7345,737188186168350015066642	7390,664177739965680684256134	7435,059191589477996769375236	91
42	7301,848557608593614591574678	7346,698927085315089508390766	7391,440259727915676236723738	7435,590441587655234259348636	92
43	7302,917875819657265136454087	7347,601440600781153653007189	7392,160733367933975895404714	7436,766516776394436176268948	93
44	7303,843900682814064180180877	7348,226470588923094624163838	7392,988605528528395612194930	7437,658181522263560917074515	94
45	7305,060287115027131041381626	7349,249777628818701547210419	7393,173269331163408867858573	7438,125995042938220623179392	95
46	7305,818161576034004661080030	7350,347618713708219419932775	7394,711617877432209773997762	7438,872215940764819608697511	96
47	7306,637205578428387127106279	7350,973256492759165253112231	7395,693962379837779998449025	7439,737648719435252954264388	97
48	7307,660752633696008529374770	7352,651847583570032761104315	7396,403273585961691027522116	7440,703121048362775762338296	98
49	7308,671664974055799648843027	7352,880430233791917483614510	7397,531933665013403860031372	7441,969323389231602418089701	99
50	7309,497903971277161652075790	7353,913947828911691922234009	7398,751920761657179477797938	7443,171160862861014030325426	00

	7201 - 7250	7251 - 7300	7301 - 7350	7351 - 7400	
01	7443.628394354244091403322501	7488.341398400302638447354297	7531.918476003772679290951769	7576.268605073816272951200780	51
02	7444.423866228738812196922024	7489.410793262698826948501799	7533.701788860477887536102304	7576.905770590952376800337328	52
03	7445.518979786399835818064048	7489.801649959827976689674926	7534.196176756290840934869294	7578.917486664980541744988820	53
04	7446.192112312270061348450959	7490.288466891315745374499241	7535.269416746331117322336451	7579.597757316370979854042654	54
05	7447.470379601740188307269228	7491.480237437946742721191855	7535.795879638116309489975011	7580.280088977226210362512912	55
06	7447.915999950696172335044200	7492.871177010946583663540087	7536.852140836628031889472345	7580.959830819929112068924045	56
07	7448.578846008307472558255913	7493.000605946223722583793447	7537.312581103595125673444720	7582.031705549502287524004268	57
08	7450.026851981019403052210706	7494.155593665298991217584158	7538.513844107824489426828766	7582.802983860871466594028705	58
09	7450.313414658015021852892307	7494.893354720954617006598698	7539.507181192063108875113731	7583.462734774582125957924456	59
10	7451.287377006888543481112573	7495.620535550989495331380535	7540.227539900590182996344004	7584.486959736256362491241784	60
11	7453.156333014424156857683593	7496.903234041265436847912500	7540.952212400233503607845918	7585.469517629117947942225267	61
12	7453.562255596974916590541372	7497.876666871169405678325658	7541.719927233003954428543523	7586.234994584177271235493065	62
13	7454.501150895424585067033571	7499.018375212885305176044148	7543.274086810604132340669866	7587.283239491649158878755033	63
14	7455.111599984896281354572486	7499.635017044756982192724797	7544.143089597874020440753299	7587.890350603440194526432539	64
15	7455.756248182660499694708835	7500.520758701277019637177940	7545.017282211273549768856887	7589.356254115857285823283951	65
16	7456.879264173984865474397284	7501.394356540355174080908356	7545.469645335592324132303855	7590.120871486676802837053899	66
17	7457.555015683983027277889461	7501.889601165814580332121076	7546.619778438462273517101252	7590.918224866148663468421444	67
18	7458.758896547601961142207117	7502.606128496650192893355399	7547.346464375364075455225631	7591.966193812054308603465754	68
19	7459.317916595858025070636877	7503.815822095972240798501444	7548.163928908409212916697154	7592.269712605830106360571621	69
20	7460.742319218625349081934665	7505.007627511302185422640683	7548.467009257108447356372127	7593.098313959197637430841498	70
21	7461.412836776340541521823670	7505.855760749127102917378862	7550.120472174725836334513599	7594.102742542237735401203723	71
22	7462.345119229532087408511207	7506.458777844248823247900457	7551.093890396879284391478877	7595.077658168319632537987192	72
23	7463.241034353370796998786436	7507.881582709907876081645120	7552.050977943308287753294964	7596.016212837787818208863233	73
24	7463.953428492880504501651218	7508.325357727524731090278183	7552.915722719904331474182717	7597.414985716674184017456313	74
25	7465.235332546496178727003915	7509.362857972487927527409928	7553.422599595428144353752161	7598.007882857832747009362768	75
26	7465.873648618118889695002769	7510.062014246713988978161789	7554.415064430765764782133493	7598.982709953076319671231457	76
27	7466.509567399981599685717674	7511.268152095430295920217041	7555.636986998434110980147081	7599.565154718348067712327879	77
28	7467.236892002760991399514469	7511.831550094300016093715174	7556.215633320349496940274339	7600.130858727205791938522544	78
29	7467.893516230214783151050587	7512.639108892178797878158937	7557.123848469489221596342104	7601.751366014514473666214689	79
30	7469.742312775720609147109494	7513.256478602329517953943162	7557.731650015266580737209080	7602.405163470408841780253946	80
31	7470.410694722724031713602023	7514.327458196641650421607620	7558.618693144908484268049800	7603.022366327148150365014547	81
32	7471.316153957136808768312292	7516.017338757152935858657472	7559.643376318825209781395806	7603.560678579999710349447351	82
33	7472.216337834579598657614562	7516.682865383154419164784911	7560.829820023239967471603484	7604.831196490887741558373766	83
34	7472.938452470044806957874641	7517.316546882907393634244636	7561.658959993991355611088162	7605.857934326610778176843395	84
35	7473.801923221800201404659404	7518.233922044484548529665597	7563.182814437627661037140100	7606.994882980089870273914590	85
36	7474.318375569865807541022 8	7518.988255293477437859908707	7563.520415699232741405218541	7608.021354122684644586160517	86
37	7475.457148465555493780247295	7519.483808585253547372662927	7563.769301891219881043697916	7608.420807870141017375605277	87
38	7476.661685380833510108036144	7521.095478308028223922218296	7564.960243676845744017285587	7609.673607809897104059222309	88
39	7477.126117162264961792091584	7521.418960158709423093081885	7565.732853403864780349648121	7610.066214264622047545826797	89
40	7477.990220376344812903471092	7522.235955940900267237030091	7566.845322430019350954391139	7610.854490320338829840803138	90
41	7479.360803879442271820006843	7523.583809962573676566050873	7567.866531115936457128642826	7611.794530221127641004584195	91
42	7479.826490146604122632167616	7524.576063140947031560946343	7568.289067602235025520142735	7612.682249514445941397105187	92
43	7481.270585133406120668126632	7525.117755066564482271083504	7569.797165105977979193444626	7613.949125482984284409551336	93
44	7482.088353049577709046122034	7526.077888669459256673784653	7570.547137990415853218847223	7614.911019080955606889888956	94
45	7482.760970559226408652806953	7527.339243900151827794984590	7571.281289377956611479620698	7615.589706732948507625793492	95
46	7483.222684506732783256840997	7528.255945298981904693998165	7572.278993977846617981185076	7616.361441789906642697921077	96
47	7484.435406371245882189404517	7528.618824834709755725784558	7573.255184306472245964134361	7617.490687417529440383512374	97
48	7485.087260837081238577322826	7529.572439683574495871864152	7574.046802048448207899130516	7618.506225529719278433727526	98
49	7485.836110097768982266797495	7530.024518136625101719414870	7574.749888838462338168609412	7619.109221400457056567524026	99
50	7486.980574712563132691575984	7531.443037755095599093484636	7575.696668164665144318652987	7619.749441833420331976029524	00

	7401 - 7450	7451 - 7500	7501 - 7550	7551 - 7600	
01	7620.983924855111797211960444	7665.444059487939183146745602	7709.242640641286697040673168	7753.812564124216337199876151	51
02	7621.693574971434539229488189	7665.801809429017324387924347	7710.123839877936255232635694	7754.165808072856884783664786	52
03	7622.017492708766276081221831	7666.502822823470848864891454	7711.223648931966409488849160	7755.042744738049505040671781	53
04	7623.423298545593234226899723	7667.549329156073104945431534	7711.928933800227467300601729	7756.140545944699437312457741	54
05	7624.987382547289350556212794	7668.365665795743934648344953	7712.779308288258003798682894	7756.961660293782967791657846	55
06	7625.594493501390940917125005	7669.936029946729274183988879	7712.906848889921598174604457	7757.748648753477629801628724	56
07	7626.265292758522939904744128	7670.581042533543230095329241	7714.904975654682960498715438	7758.441967610163541339315265	57
08	7627.127213556263907982366598	7671.447129920533693208874101	7715.806809192833111791340617	7759.592954770951883867504682	58
09	7627.690979947768927615501809	7672.450691456603432703579127	7716.493161846611898040573861	7760.470136603880948986853798	59
10	7628.742026441597760408530937	7673.103534095298106003624550	7717.430625538000418881088366	7761.852016416726361594268922	60
11	7629.642702477912836758213699	7673.740632528100958224626985	7718.209439895409993078952390	7762.516669838838029438655506	61
12	7630.569027977194936764734806	7674.241511064689966271571025	7718.871828009921132073451630	7763.365536637485458844319602	62
13	7631.506758032182373200918967	7676.061473908754227927442921	7719.753486074996462535511527	7763.887943627448154940822730	63
14	7632.009099304118127588225508	7676.404517064156978750201962	7720.412175074541478008665187	7764.629540608917180512543529	64
15	7633.651861591744363861945921	7677.306367425822467274347511	7721.553996963717986382996793	7765.580549321205474182372998	65
16	7634.312300238634041392011095	7678.489609005653850841089404	7722.557228801705185151538026	7766.648068548923342018047010	66
17	7634.771788000812498691110507	7679.283816647054637062955714	7723.618282221126135629990226	7767.347361427240878469546046	67
18	7636.387151486738377597808764	7680.369729689470264732782652	7724.440916671356449555379364	7768.417093856476459671620493	68
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30	7646.560905087084503150298200	7690.429650782193157529389113	7734.799051748370926483151077	7779.147738368911832330580212	80
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06	7802.278136743012408000977104	7845.576147186456760340204066	7890.199885171151219287951437	7934.495415309209678609640774	56
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42	7833.920755248590559108519828	7877.833953052452128988679123	7922.053034576523126393444525	7965.315678842991650231187919	92
43	7834.383065914865345427785957	7878.910611220161473491381816	7922.723312421270849872500092	7966.568849824008191750501248	93
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45	7836.463501636442424125193544	7880.247924997616576370234234	7924.582047217101688694188046	7968.909886518723575729018141	95
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47	7838.064178062146856258135188	7882.440411048756300168435214	7926.044750271575199116169876	7970.220548110803347893144802	97
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02	8325.300636981033048151814840	8368.924192690775512274865397	8412.634141842294539537653275	8455.682201309985829445138413	52
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05	8328.079211692026217181761761	8371.308043549177268831646429	8415.403499856647607585506204	8459.077902974867820202182150	55
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13	8335.037292360082902758728205	8378.850000555768489571867093	8422.378527635417244940192168	8465.537510486056069504891058	63
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17	8337.871295467132125577852452	8381.564090254533326264672618	8425.839729271377591603730675	8469.241866818203921049927139	67
18	8339.257480606268247451907157	8382.905500683483409339639400	8426.287467350238028572695757	8470.285462154492825657050835	68
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20	8341.281554842609717297811306	8384.243264855643402265450502	8428.018573119378621973182153	8472.106756704898335570455141	70
21	8341.924980693567668196815320	8386.020866344514400341975615	8428.624830032447406696359902	8472.581593585823267401799920	71
22	8342.350313541955185113714140	8386.716772953246899719498562	8429.995855684124555333438626	8473.422142529289848981107238	72
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45	8362.910269692054515895012671	8406.569355486752886431245037	8450.170450781585369006341458	8493.823574635228696187399522	95
46	8363.896584173056802180561572	8407.084863515018616038863509	8451.011051485949539869125756	8494.552018029912669190851550	96
47	8364.270313084730052797827872	8408.331513209208173246252675	8451.672354837663968961492932	8496.029850063820089994784388	97
48	8364.921654252533533409299493	8408.928736382755880073093138	8452.526787586850743504169668	8496.290002225624985310638844	98
49	8365.842461794979225357138194	8410.102479272850536042136393	8453.840544327521764686347470	8497.053886706817432783846583	99
50	8367.570202902089375891835363	8410.365241307512174424406925	8454.385593869507225565530629	8497.637356296138879116551342	00

	8401 - 8450	8451 - 8500	8501 - 8550	8551 - 8600	
01	8498.955065489744657217030234	8542.565392468219621348580963	8586.174833980533668991515014	8629.276843947526357938334052	51
02	8499.848538084948723033348255	8543.339096416792142927246736	8587.197320926821737333408817	8630.350799696212246180087943	52
03	8500.587623328917203717866630	8543.751519717896543629415824	8587.711288194941381826795148	8631.669465392838525246358496	53
04	8501.302755466843548896163012	8545.303334073614737677182385	8588.094852601426590542690544	8632.398793410632181384146518	54
05	8501.908544843171661705964407	8545.618122407256159402675032	8589.642476710266856486678569	8633.071914191365516477177897	55
06	8503.528225473843239431220305	8546.691491452830918974214442	8590.127188416552788113235774	8633.591393342439908059438798	56
07	8504.088873613565414850854788	8547.709108139347262475244358	8591.095567302459157727941950	8634.592755997274215962281101	57
08	8505.263513054702903911336444	8548.380388381306182204862519	8591.803792343194415477840965	8635.206921731365036581573428	58
09	8506.184467090154967255663038	8549.305495770688096647044452	8592.920901773499226052066616	8636.439865707612872104055113	59
10	8506.655630248317176952907966	8550.742265127922256273429240	8594.055748658848465207026208	8637.187563977981471320799869	60
11	8507.568430665196669049420520	8551.451183851781723423936791	8594.502062461294598229087438	8638.150805591881143470845348	61
12	8508.341839184961200025297805	8552.036847251925592645922244	8595.550909469975511926955897	8638.929026205097093222354026	62
13	8509.205092759779803210048192	8552.704688816772418716206696	8596.787241215077648903078453	8640.056739782064793261943193	63
14	8509.605168068929470334174475	8553.657695231643939016909399	8597.384498850856617999586992	8640.930858833448140761310973	64
15	8511.168181149292149933667278	8554.540035259277030641346074	8598.230072427937032366423547	8641.656960761905713825388362	65
16	8512.237298970798791569750782	8555.129548602585450660852712	8599.006813111067075222104073	8642.643422719740661532974764	66
17	8513.180504244766143780695609	8556.062209076877572432668414	8599.431780758702836068430239	8643.454487335060944690910879	67
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19	8514.603122414804340400206469	8558.612656240004738909292184	8601.336163043638633788771213	8645.314890920888252582430992	69
20	8515.510306167103557472846250	8558.923460876135345513268742	8602.800930632691458477774100	8645.629539138185800981983540	70
21	8516.520710985602885412889798	8559.960124311472823713545746	8603.667158055496895345608828	8646.021671929313987896733686	71
22	8517.066793398954224394817703	8560.426167011681822925159718	8604.204875745890528331935396	8648.180817662839476558490261	72
23	8517.836912409938603995119811	8561.800541026589644234585115	8605.372037845811725810056265	8648.774619217364616917689857	73
24	8518.994229230281543939862957	8562.354829384678896759494013	8606.065011944545916051325306	8649.780880842649050133476653	74
25	8519.543241912978898299565730	8563.582511284261977707355198	8606.596847047910688729535101	8650.239461088615569009727931	75
26	8520.204192768442940044216752	8563.910392634172234669085612	8607.469584159035841879653571	8651.375577780704800869607773	76
27	8521.698529412680438967655013	8564.757382722133843278005599	8608.874054411912248821326265	8651.868483746335696647118837	77
28	8522.883461465875911555468127	8565.618743675628756981394717	8609.476576483578544932938757	8652.861534419747976013473367	78
29	8523.581766092820433852088237	8567.204607149902215821402219	8609.969946522661496558923751	8653.778576965077016382984566	79
30	8524.072959892595080814581116	8567.744539733550107743858496	8610.900549174502022830779017	8654.501099440599020156163862	80
31	8525.192740841855517744292438	8568.746748320488499739446615	8612.007241031537611021217765	8655.647399977164854231116940	81
32	8525.580145939871703097980256	8569.695230961154600895326730	8613.349092570395605634283171	8656.072710341726166942227550	82
33	8526.384967075492471422842337	8570.473144254967363352550422	8614.153530621093824816321330	8657.338800754277679807782182	83
34	8527.801285476009b97103968656	8570.946215417387194037720898	8614.570297617560046504139429	8658.222107503617528895738585	84
35	8528.335279661196933676457752	8571.818896200671813037972633	8615.778990895758609920292605	8659.065463815270048610723714	85
36	8529.165752544556536085168903	8572.426464758279965487167350	8616.334145127392525376319225	8660.464749771566313871380159	86
37	8530.392088474891837509447227	8573.882934741582173632721710	8617.170423146717128200191194	8660.894985317800270606138380	87
38	8531.215969405232129069372218	8574.913003319524613166857391	8617.682388007682137464667366	8661.469178733336303502783439	88
39	8532.311647984247542634875105	8575.175968707240375444141696	8619.004610240153774105225645	8662.186065276713702129767068	89
40	8532.610707274995750283752330	8576.708934631089001101459714	8619.610075256379934139298462	8663.160874844049215796925277	90
41	8533.780194489509963862777075	8577.393701995898074854265561	8621.154330974113819210602738	8664.068204986472034843713941	91
42	8535.042150484167910907486763	8577.971246763931230355044848	8621.952650157469247368311088	8664.933277766944935086721180	92
43	8535.467449844383416871855840	8579.236900975935950131714564	8622.390314620142683427461027	8666.008296742532465974286959	93
44	8536.033310080767485093765786	8579.917964132034007624037905	8623.284603669737179107101804	8667.232034709075928372203448	94
45	8536.749664145821033413409013	8580.702003920610042594569502	8624.220096516319813496935718	8668.106266273988023547774363	95
46	8537.778374013585088836283358	8581.556354734949255135715064	8625.481069982619450450767473	8668.375532887167894349459008	96
47	8539.057118233905703519730388	8582.296736735663667835049071	8626.016582944009118746301144	8669.317504225814583122011213	97
48	8540.192595719829206641771143	8582.982426418622655661259253	8626.570046898995809738059437	8670.233446195974448500189789	98
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50	8541.539982808592548162912425	8585.651463150218718438075952	8628.431748372703441159775410	8671.820091555089658015681132	00

	8601 - 8650	8651 - 8700	8701 - 8750	8751 - 8800	
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02	8673,524006099668315880029861	8717,003515227570737949618134	8760,797760691636335434517682	8804,220472211773182408610298	52
03	8674,349201864056716653976434	8718,139853934953068558340873	8761,335651596278293465142655	8805,171186874198767399454004	53
04	8675,596120099391587800814979	8719,090250677110978803681116	8762,328890282305019514654152	8805,599435361210633878090438	54
05	8676,924281050593611824651980	8719,382554052767388451247306	8763,396469367102853855120319	8806,272540598552031899825292	55
06	8677,519367827768467892933877	8720,447893299267370577825275	8763,655686196538686079989602	8807,488748833904883608814858	56
07	8677,987746530281043470666345	8721,974942171497696243774902	8765,005865643435078383135870	8808,223313837878909651036517	57
08	8679,291278167586051856599854	8722,755721398910324617991796	8765,741131577497227680434796	8809,413500175125344460321696	58
09	8679,748657452122818431850546	8723,599098642280823025093384	8766,709274467539369267449305	8809,849477655007640265396388	59
10	8680,584051407366986146980770	8724,108198074102960785455254	8767,797892850313404881194941	8810,602647387452933518651629	60
11	8681,161852779127870628100036	8724,859676038092909913361918	8768,800400513366447696152935	8812,167774579549333789786092	61
12	8682,385865916402384409108142	8725,956761584510106530824964	8769,371308012005626333727830	8812,725714811277436889509062	62
13	8683,501223958029974366714238	8726,536842209521757729353691	8770,321068743479807449673166	8813,852162750636111742442889	63
14	8684,345138141240288802778072	8727,253773684011104150697390	8771,029690955945140575811179	8814,311277665617166023672802	64
15	8685,162576754764636532921500	8728,498800855315496974762794	8771,396367344524878341163876	8815,594893298596956367044161	65
16	8685,791259887645250020530098	8729,628006989616057122308427	8772,413788998578383216526090	8816,333686040035957701066361	66
17	8687,189699001746549521208222	8730,322892932990791072258241	8773,892563781475701994497330	8816,597902424007409803857018	67
18	8687,777364110731457960295904	8731,474828184224395040946526	8774,336921665971815945040636	8817,604528338501310707801906	68
19	8688,479057296975966864935073	8731,879802245324145242801823	8775,643665408925794870777657	8818,267042195531471785722262	69
20	8689,551335129889538657010615	8732,623377538742182321915064	8776,412826980881843223692916	8819,823257463868956357834746	70
21	8690,364817869790048317816008	8734,081398172941293166019496	8777,325477640991659500777023	8820,831983668506778243475084	71
22	8690,662797621833832375099955	8734,675973837622520412040377	8778,016754195504789354917129	8821,428062324346722865429092	72
23	8691,926226852759385957745686	8735,414586540170012956236205	8778,547501528247385489687304	8822,438231460547211904234091	73
24	8692,523178293996199693501643	8736,080091411661290482801090	8779,874152388763257344399598	8822,982439195979790986712036	74
25	8694,228413294896683889220112	8736,767658872634673507252591	8780,751048629249397384913579	8823,926324358185329465569001	75
26	8694,902289443240436726807910	8737,886599701183484184928620	8781,399843069603514993677066	8824,821596600019523162479435	76
27	8695,905093298259063625924498	8739,389508169814924013407929	8781,999405250277419350599888	8825,747064035054366113908603	77
28	8696,258314852631880784443722	8739,714814518672152567578948	8782,763532846501363551398759	8826,471286823933534627177331	78
29	8697,336511435268324186632860	8741,112495669393206326315977	8784,098180392591149244787138	8827,196344367449082294493310	79
30	8697,610485681203415513470591	8741,683325895485824972796930	8785,349005620332959618672599	8828,126900136692825921440597	80
31	8699,091219709500372577405108	8742,525510714970622129806006	8786,001416917562839522103331	8829,200853015417252819215593	81
32	8699,936426457792994510551435	8742,997118093943360514001645	8786,925723642419197367221517	8829,757344107926561903988647	82
33	8700,597521996259530546197912	8743,749048929480875055079149	8787,516533268482195797206035	8831,476274008274766487839369	83
34	8701,161157565172230719786322	8745,053827139448503981782901	8788,234123962098932096865724	8832,095903441104232179842157	84
35	8702,804254878287637675742362	8745,977161412504961572587124	8789,166704652085687213216130	8832,667733534316478111138464	85
36	8703,417101021721669858630752	8746,443532495898885210092430	8790,055912968536284167278239	8833,353272701494318120049878	86
37	8704,079332236731519026755985	8747,807308511779387860014259	8790,605373030883330934293681	8834,227333953716411790717286	87
38	8705,318810428644875356006428	8748,384570855762560983081399	8791,865750060681725324933506	8834,898748526264062242068604	88
39	8706,154650750803758987323575	8749,516423498661864181289479	8792,938115377125229082059032	8836,174940857911205918419814	89
40	8707,005236581809291449171190	8750,330086645507356482085807	8793,748087605066687591991326	8836,623445374283525932672117	90
41	8707,597537700992665766300219	8751,346430863811246003482846	8794,528210802315138089213654	8837,776447826209379000423671	91
42	8708,113872195475842782982709	8751,999141009404108491891457	8795,102194578155570632211887	8839,103878636088430892112708	92
43	8709,159693738630769342998769	8752,672763590087639620430733	8796,605348615251661649194861	8839,786452488945126456461802	93
44	8709,949365152497698100618973	8753,775489788955153691308142	8797,281339330112661354795836	8840,183848849725310313899283	94
45	8711,450294477422287317974352	8754,258907091737137855826235	8797,933469184164447529452293	8841,401930089409609111400793	95
46	8712,275399475056358357527578	8755,009176121686840563626562	8798,459711536960882729078887	8842,186429293527121826327344	96
47	8712,986720708001713061841921	8756,043831127347752253011179	8799,627566551526610320826165	8843,085298044888016940181701	97
48	8714,030953900324142611546516	8757,903052120734428920843217	8800,402790797840229564941043	8844,209896066892286538347978	98
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50	8715,585779950790129471260987	8758,806686423187321115125002	8802,633957952015665958888903	8845,399046170998185773115269	00

	8801 - 8850	8851 - 8900	8901 - 8950	8951 - 9000	
01	8845.92906754160141253669853 7	8889.95299622266502235997720 5	8933.16155685591299504876572 3	8976.33974801788123782086571 6	51
02	8847.52997080992919876839723 0	8890.53794836892783687959659 4	8934.02358973578174022222206 4	8977.26775447020046568439996 2	52
03	8848.66475857792672747757071 0	8891.30673704809165139654239 7	8934.74992530420177662937966 7	8978.13915790068804678283129 5	53
04	8849.29301216344970360259149 7	8891.87437935685002043750362 7	8935.68460408834689084261543 1	8978.48485606778211370575349 7	54
05	8849.94085943954346681240653 0	8893.68484040235221977714640 9	8936.25376507029939926838325 5	8980.10503503964656461186218 9	55
06	8850.96866627914648697432104 8	8894.60447309354913978400608 8	8937.19815676243728557555212 5	8980.78997509499840687529408 2	56
07	8851.90634348116684718437438 8	8895.03820275399783485375946 4	8938.34603549233835297486086 7	8981.36459845019800081030731 3	57
08	8852.14929130835243785265064 4	8896.10333681467074907682059 1	8939.30818197724709567393838 6	8981.89380943289831191116987 5	58
09	8853.02307004314212037100574 8	8896.53132301131885543323276 0	8940.29024982774977067300077 6	8983.29801688179708013775941 6	59
10	8854.55825138600914859136641 5	8897.67349406503879739414735 7	8941.18157219228304126272604 4	8984.45847033475546435573775 1	60
11	8854.95555121705024036298865 1	8898.05150713909559467440058 8	8942.04771242956005242596213 0	8984.97692766360618800303889 3	61
12	8856.07994529180302591741937 8	8899.30272446758686847110008	8942.47407116648719804007787 2	8986.27814361725782958907094	62
13	8856.73452378416135742008082 5	8900.12694677047959756359088 7	8942.90179718350039909483468 6	8986.76563863871148236095388 8	63
14	8857.96306480515093556996114	8900.85487597754235834771688 6	8944.31550154800849989274600 0	8987.70876325845463665305768 4	64
15	8858.68099970813457513662954 0	8902.24376506154252408974339 6	8945.05638487277531646219229 6	8988.51324386886534997244903 9	65
16	8859.69349467275192398322224 6	8903.05448716195544168069853 2	8946.15695217169722849903165 8	8988.93617940106933060985651 8	66
17	8860.67549638890065472972741 6	8903.45342278450528991155676 3	8946.78954643219855321860200 8	8989.73724662005560553552730 8	67
18	8861.04669526819507837393310 4	8904.49763930603306827984779 3	8948.09486613713738950674651 9	8991.14364723073346659845090 3	68
19	8861.97485987725025632170458 1	8905.78005762007792856770621 6	8948.87120307062221031162037 5	8991.84722246737151257060998 6	69
20	8862.80865107386411324939850 0	8906.33472262517335890863615 2	8949.65917496252157137030458 1	8993.20652274788885238638072 4	70
21	8863.49835702421190949297316 0	8907.29643917986951184661454 7	8950.08543840023413884440003 5	8993.84387241693286098817640 3	71
22	8864.37800396813774745276802 7	8907.62048792769750261912275 0	8951.67958535473892294136346 0	8994.28529682888222907791177 6	72
23	8865.75381937240840411532893 1	8908.36586537200584680612951 7	8952.13214636620864609919258 7	8995.43808851658827624010617 2	73
24	8866.79120136824723079693128 6	8909.71466978756604896401878 9	8952.91057034216296248946275 4	8996.52006032405956027213138 2	74
25	8867.75378713925572078690646 3	8910.42898951373811085991403 7	8953.66314052377519002478190 1	8997.02573775228959970396589 7	75
26	8868.09227003692815556594854 1	8911.75651726045052110986912 8	8954.57026610570767141222339 6	8997.96757169808012284781948 8	76
27	8868.75096701518982243561016 5	8912.71734338795512503900054 9	8955.02110598340159025284485 4	8998.64889944207268196473713 1	77
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30	8871.68992088559767287932312 3	8914.74118891225678722775033 0	8958.32961299506153603599686 1	9001.12940530829834768731269 8	80
31	8872.00543288838590990252487 1	8915.62380367187780475704579 9	8959.08391590363260320606583 1	9002.62377699295824448956912 7	81
32	8873.29798086878252284298445 6	8916.51417838654597027961103 7	8959.87252980725732945735188 5	9003.87367751527959338745667 5	82
33	8874.05005955138329855739349 2	8917.67807815936557737773153 1	8960.75746593653675623233271 5	9004.05217824403041459969583 8	83
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38	8878.48087810960573740236127 3	8922.34832923666280498009402 9	8965.04232264706067212137650 8	9008.30470303777084874238973 6	88
39	8879.17560972250291709385114 8	8922.96298612195653419466275 0	8965.90913269028401551490071 2	9009.07007528533043854486553 2	89
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43	8883.02874125517926827443703 6	8925.91386182041382270869247 8	8969.57681339618263230197047 0	9012.64445343773244111700840 1	93
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47	8886.58418146850387651220553 5	8929.80867892430288638553869 6	8972.39847535871718748887086 9	9015.97793305510868447162848 6	97
48	8887.05866634097096216879716 6	8930.62218435502466149874629 3	8973.82788898277044311576657 2	9016.81401997260485956623797 6	98
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	9001 - 9050	9051 - 9100	9101 - 9150	9151 - 9200	
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02	9020.646017117477096532788900	9063.065987666102097139574787	9106.705267547545049822304128	9149.55812385303905654772627 6	52
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04	9022.745934352785915562315054	9065.676445011300738209979267	9108.613643184054090303155886	9151.81767210035813265207761 5	54
05	9022.965488033276409706416016	9066.715937218861179730678607	9109.023970775506766177203202	9152.64901856688706833912106 2	55
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07	9024.667245992580830719305480	9067.890693026052517601952695	9111.375084878634739880323439	9153.74020009562272588502261 3	57
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17	9033.515720830412760417439942	9076.905342562263936786250672	9120.116281592967774568210963	9162.62707528489405804589150 3	67
18	9033.854034846002646965639894	9077.941193163164045236060141	9120.569264316977313405339338	9164.01125856875114012790651 5	68
19	9035.168949367586719133924219	9078.388813148848819226475260	9121.584902244997711430826439	9164.76502148888263268260959 2	69
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23	9038.744798376163651174751787	9081.525029640737249606514204	9125.059677152573160300781594	9168.30492587811359957241964 7	73
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26	9040.975491231656144845238795	9084.719189339048503318442854	9127.121392691025071537016180	9170.65894611362419320263605 8	76
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30	9044.618071147805855561669767	9087.619989058993730450905969	9130.768159170791863376585739	9174.79944824837543112267361 7	80
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41	9054.400106782061648406851556	9097.164150723324325418292302	9140.578259697125152479954333	9183.69983753827358407252445	91
42	9054.931264072116587121366665	9098.092115417231834214955961	9141.357179362333558106507963	9184.76719441418296097965575 2	92
43	9055.905240586100744304814691	9098.532042167058215653025274	9142.266523219928903238652888	9185.13600060917985171054708 1	93
44	9056.785351956467991045810441	9099.836635635669620672396477	9142.836907708715460769024881	9186.57814663639009351166189 1	94
45	9057.930288444321429894536775	9101.042374240885053638565020	9143.596977939633339639164345	9187.34508688956870717268965 1	95
46	9058.352731342005848578538683	9101.885250829854734838066840	9144.619980820222348176702616	9187.81149703235806532479530 8	96
47	9059.695201794214110930624169	9102.497480971078424010369520	9145.638522322160175596636059	9188.46482956272462147374624 4	97
48	9059.901550740716447520619087	9103.493787094456411203313921	9146.526358405505760183182833	9189.18731321526848567207164 9	98
49	9061.261010259074407955906643	9104.193256141506020814854102	9147.808894963089122963149164	9190.36677936411621680385274 1	99
50	9062.010375428285563729544835	9105.074920829635860342209442	9148.555047141636330662955216	9191.46311865611598452110544 4	00

	9201 - 9250	9251 - 9300	9301 - 9350	9351 - 9400	
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02	9193.368911875733562391204322	9235,520669016888034237281717	9279,040933077737369930679747	9322,199858975795772712359066	52
03	9194.036497583255902429372387	9237,255825767933319287002423	9279,938256160905028286408205	9323,579903835333207239214231	53
04	9194.998618070027495620553262	9238,525524178481370339006289	9280,769267593453814174345322	9324,038642999946304895007528	54
05	9195.415993341559806407680941	9238,873162118126865549027591	9281,537438793174093437284181	9324,662478030882907672252520	55
06	9196.541376822498133047330116	9239,599760445383166272905506	9282,734288937201592395938710	9325,359891018410006220913493	56
07	9197.375793024768991894047649	9240,463318406555152061653938	9284,093681675076198503034156	9326,496593790360668218335391	57
08	9198.428751554567494776922861	9241,168927233486630351603736	9284,762478436967502647888026	9327,029340176412155293026030	58
09	9198.789347491289968059977433	9242,438747055546034551295500	9285,344159689401638077407214	9328,937276210058941827840712	59
10	9200.006746344035404061651675	9243,002727144772764876576455	9285,849431118951149054465935	9329,235940410045742765845645	60
11	9200.451077571462464063852243	9243,629625414073151065994825	9286,901569164031728274553311	9330,230659582979220887573998	61
12	9201.837434832796719406557624	9244,722256154660442093106234	9287,799427530865250211938698	9330,921834157540974785125041	62
13	9203.050941490621674275235407	9245,730317259871709781852345	9288,657678861049796134191049	9331,875838210982250583956760	63
14	9203.761790100944719570808642	9246,372479217969965549580877	9289,634716492791874927309835	9332,545535709051262751944642	64
15	9204.449930354577280551302583	9247,323682008930626018210727	9290,238472558106379158194484	9332,990177777222113313475202	65
16	9204.760708258413019664245256	9248,859664427932921311018154	9291,071149949047907906179739	9334,305898779170962609085008	66
17	9206.165350791597540071790540	9249,097134244813518534680393	9292,450151019330913264353248	9335,206489196422450955304822	67
18	9206.847375416245798997560787	9250,217232551686260669017147	9293,020371572759154642140178	9336,031511109678674984305416	68
19	9207.189750328559595887456264	9250,850268731169024825725660	9294,077099796136484479375542	9336,966415719895269407775598	69
20	9208.520414152957838156003783	9251,325332009919586242467692	9294,994414285980722008409470	9337,535506027181276436454531	70
21	9209.480933056157617442236349	9252,301982660402893319913953	9295,564223471825888879397249	9338,970532754690260109967396	71
22	9210.873978974290070269788760	9253,266895877883353907827991	9296,607047273230002758704844	9339,734206712101968046920164	72
23	9211.220220622675306587906099	9254,039963750217445707936153	9297,328597821578793165026636	9340,336005010404067877321805	73
24	9211.878326613838930929907874	9255,629242734973237231943743	9297,791417094674143686989816	9341,340822196102392520850460	74
25	9212.942543018036518105940052	9255,870307159365825473726275	9298,415822954258984334745398	9341,999574596002114551354339	75
26	9213.953457242496974305721603	9257,090976369528458446198050	9300,174304705344880843891387	9342,923902156085032189301005	76
27	9214.809815382855988349122474	9257,922851052207241564461126	9301,095504972085600416334874	9343,478761544974652274805811	77
28	9215.383063606700506919289475	9258,513197988889457985297674	9301,630677861677633332355057	9344,189903972416580980973663	78
29	9216.396499883133370407450813	9259,199490496887887396350752	9302,761169162320387533981426	9345,473934989955548312820540	79
30	9216.889162998637362026118566	9260,462686089541835084492557	9303,238852584414123739279417	9346,909626243472694437958836	80
31	9217.632413626711047961982750	9261,410917752196230514272551	9304,478169097739903613445991	9347,350886762278380690435754	81
32	9219.125065265663850009482306	9261,832615530932199278615891	9304,747219152917227674575780	9348,412153406305665104315504	82
33	9220.020083391239243435219482	9262,571905341420028068173514	9306,002925382834574161141617	9348,847438791957442568854185	83
34	9220.852137981711882252269567	9263,278863899333928994523371	9306,808098667526065304211338	9349,534174825501729748870065	84
35	9222.000798287770785588404735	9264,808555510763516010647271	9307,501144154387528384308401	9350,701823059300462514707548	85
36	9222.354047560482169735129786	9265,914999339088186576965687	9308,397687577841742710467575	9351,640126345543127096277885	86
37	9223.237859070793082618065967	9266,523355586281571062154450	9309,059307208767938778958690	9352,399663267564617015116737	87
38	9223.870046096292178963619494	9267,157637377176634857953288	9310,294182822782933022478339	9353,014453103446544788970599	88
39	9224.578163424445138231123522	9268,359885083665913555135422	9311,394263390712143112533846	9353,743506760977681139846076	89
40	9226.173215900609813248291509	9268,846663836467749722385896	9312,287090010511860244142888	9355,235106157849490805283690	90
41	9226.625762799938568981203493	9269,385312604052875612510855	9313,137110976717086755729566	9355,820175981831884959970070	91
42	9227.262194971400653488107901	9270,504925928490987448590611	9313,642041786628516474456326	9356,673033797417945820259799	92
43	9228.502157991702189555332926	9271,301028118585055238109514	9314,191767555917045962912914	9357,970513889610195915290824	93
44	9229.558364129360530774599417	9272,394102687191569322129245	9315,257777092714460351360206	9358,838675557577985934946610	94
45	9230.160704778990867326814323	9273,266843198505898337657933	9316,091993796680311267961013	9359,076903405517233810370033	95
46	9231.116341546648182849584263	9274,338133839818122077945759	9317,221478360378137218423467	9360,025057415079117489473365	96
47	9232.082594097691039137170710	9274,986375913177340146331827	9317,520864381380218820288727	9360,682314260677385289567885	97
48	9232.764557616516855908792262	9275,555512461766091034559467	9319,337900163970620209119909	9361,827052532509376792477338	98
49	9233.690366508899898280097409	9277,160514445230881210600 34	9319,827795194359268678984499	9362,648214727740521284617691	99
50	9234.086401679774349503338839	9277,608768374496912795784290	9320,592913364353857784795342	9363,690016544967583988216568	00

	9401 - 9450	9451 - 9500	9501 - 9550	9551 - 9600	
01	9364.532422656035601899696678	9407.247627536476621492869103	9450.152313575517838853421954	9493.134847953395464653342171	51
02	9365.565561378696494097568058	9407.745436535876152251607887	9451.044025469181487953328060	9494.478852244826342916790974	52
03	9366.263485245108016064571379	9409.471336663333465988139292	9452.148976996906294188175829	9495.156477923671120969656156	53
04	9366.856452107048197555156328	9410.603937082796806837693608	9452.581214093017369088895184	9495.860072044986932970105615	54
05	9367.994621558229811589287054	9410.808666731094111563731436	9453.384466732684817187148917	9496.823908854260260684373344	55
06	9368.900918158318199187905567	9411.457048111919409046176506	9454.941836695376157436448126	9497.255442783197418642267696	56
07	9369.264875034456209409739466	9412.787360568496084647158231	9455.879794581773075445130944	9497.951007264428538772505536	57
08	9370.763366235001733434784487	9413.355204753259020668864127	9456.638848993114638194301269	9499.137222929027451110605347	58
09	9371.178734814527669614165441	9414.366649962946970583144053	9457.289938948843797185125551	9500.595321344587537617035635	59
10	9371.587599990185917708792649	9415.106792479155774433526862	9457.972397294629056885096386	9501.217267713874678233346438	60
11	9372.784751974935716657045909	9415.823151301210091513994323	9458.826684385939582786266468	9501.922520025645802117379903	61
12	9374.379510450159848824207567	9416.804191133095786693557193	9459.769410651763696902906822	9503.042498302919704041346450	62
13	9375.170795001104877391430252	9417.532924976708178952635724	9460.903772501188025463154134	9503.601117763335325358603049	63
14	9375.736537521141903344556304	9418.349184602919706224932956	9461.404922056238932011015626	9504.264017632144006325897302	64
15	9376.328130229520651985516992	9419.744269401405676970145178	9462.137989879679322227544467	9505.086080346834820866717073	65
16	9377.450651133645411755491750	9420.582583616912334881549715	9462.936516167903965241260146	9506.113854057057659791889057	66
17	9377.983702594425185357087065	9421.526892048423285398501652	9464.217904346365138169241312	9507.223790580799225671283075	67
18	9379.018437925036132763658696	9422.040011768900739018568146	9465.261895534529275056240473	9507.961501776307635734616314	68
19	9379.494344123485506748180794	9422.810743700448735747636648	9465.991177189080199889079537	9508.129637449226295583100074	69
20	9380.793873689144087917807332	9423.591008663043966238159661	9466.722587065204372480842482	9509.769913842899123096091610	70
21	9381.675840485115304816199716	9424.174561788019320068660474	9467.860632792306992398675796	9510.615551924727858427685306	71
22	9382.560440804546913207099751	9425.411963546654093056693958	9468.494804378226595150426133	9511.550977665867548203467275	72
23	9383.568374417504541743369461	9426.506903687983402776131746	9469.132039337016044265513608	9512.380208554100619668527756	73
24	9384.090451459150158822663338	9426.874533970336455350357488	9469.456006505055102406409455	9513.335229212824097601438958	74
25	9385.110359164360184352472377	9428.235207719002173126958043	9470.882771001473596779214261	9513.533893338416950940501680	75
26	9386.234914019048871262665079	9429.379144119795303742033783	9471.819269688123019319734244	9514.814322806685032699686357	76
27	9386.888612207833990794730593	9429.574025269554187470752460	9472.907942701792330986481318	9515.333335579303564547054888	77
28	9387.733832772215442449848485	9430.535514117107588648667559	9473.723079554979143787997238	9516.047851769818793177156300	78
29	9388.121802783692301718111037	9431.485551950740021279068643	9474.392245663754277719109082	9517.248001838854248860051351	79
30	9388.979169604210411227865454	9432.713826104668961898524486	9475.565521140302117251067575	9518.401462280204561424915507	80
31	9390.090466518718986655611440	9433.125018231328223689659829	9475.919635500875018165463804	9519.480657353684034455581019	81
32	9391.049764368448133799513885	9433.826715940170206520548354	9477.137885718797263555739730	9520.014543684853781891917168	82
33	9392.305852528507964828670197	9434.666665734315396471834800	9477.827320467828518351438510	9520.830643941693371417571871	83
34	9392.964477181185068936416267	9435.196314279323865273167747	9478.855699954578301817779507	9521.162437132308680895621207	84
35	9393.984756238854572895617562	9437.178849319269895382961955	9479.229478691426517104641306	9522.916082653631268696523105	85
36	9394.689784015236203634634685	9437.419496808174807074087259	9480.235271344658839046710390	9523.293287273884070907290536	86
37	9395.103416035848220287943821	9438.835191547619954075115540	9481.143882258962663884146608	9524.172145197426360200489342	87
38	9395.826310147317038314070861	9439.288351898247574522594031	9481.839788621123747411063174	9524.673999746041780341968301	88
39	9397.472564246870672643619205	9439.978628849728303800050076	9483.688815646472935607933426	9525.837508223161307844537454	89
40	9397.818267625128004049989464	9440.804069911680055122342297	9484.207298377048456077515719	9526.527981212930727896833689	90
41	9398.618868891882872587750185	9441.857096238964501731197571	9484.640388958238090163277873	9527.680937490483967348055995	91
42	9399.494206831580636359130721	9442.274634497079088584847241	9485.753856656422082142459305	9528.632397360561266409723479	92
43	9400.580871303545846004567060	9443.449249712149727168813721	9486.030868859609172042384935	9529.771681927852885083185474	93
44	9401.427516665658443595469640	9444.311353870485109064922664	9487.215810246310383562584513	9530.405942179322025098063897	94
45	9402.552909281863753700864990	9445.247610816520235113866254	9488.107214893484419642482460	9531.147923592071813588068686	95
46	9403.382930753850642090032308	9446.162804214650319483836425	9488.903784852235907837657499	9531.625571622489072925861417	96
47	9403.920835263551876214149051	9446.796122036819206297241735	9489.546258565251699314706076	9532.674849336538627209367550	97
48	9405.062878277394841531242982	9447.907524955041770173073820	9491.036789278031653627921915	9533.237985855254604830879922	98
49	9405.517985108348362313793355	9449.201580600951874569288715	9491.622337134984262011559018	9534.471660705845286516871809	99
50	9406.317820404488019024071963	9449.609725389102597416136389	9492.559851589392107387463234	9535.377269524699473445623639	00

	9601 - 9650	9651 - 9700	9701 - 9750	9751 - 9800	
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02	9537,253631706384040521990979	9579,449577446087551278419260	9622,960401194606520331280218	9665,485661646632161451315860	52
03	9537,834915534641572577516203	9581,125284055394327441872110	9623,378434431066617362145068	9666,807212489643269224380232	53
04	9539,182796449742345715331225	9581,813931393478143212543635	9624,134944535440568628645269	9667,564227300297033895180423	54
05	9539,514744272631902917852411	9582,531012948870311420597232	9625,222075594958859263069546	9668,135428970973489653502483	55
06	9540,396197262095422102948828	9583,488437066879631629775330	9626,015526809151806182520880	9668,700128123907917811827083	56
07	9541,667102046193477929429705	9584,163335287170119282411575	9627,410922590326371213282768	9669,745616207286552019025619	57
08	9542,028340453083947959228158	9585,143063862838947513738555	9628,224711924473750680942138	9670,162113845697508998164013	58
09	9543,161504406562554812277123	9586,255233920493945725502162	9628,814176045421963016197704	9671,949512726717557566148653	59
10	9543,327342114099745389013657	9586,572222390227484244978780	9629,724366465654195244951344	9672,494340342316708279714024	60
11	9544,333386339599174865801397	9587,581534661284105961773418	9630,301966897596646411506154	9673,396190895942619331784613	61
12	9546,148062138917177127089903	9588,562422367796474078568750	9631,280209290208506562288729	9674,547299394770301445634695	62
13	9546,850958230858727687232526	9588,897946175894874810935084	9632,562265478025442789537811	9675,122226685422862664856108	63
14	9547,451494516013113971953884	9589,946539842006510179600828	9633,111145441421180494536919	9675,734272080005008190535001	64
15	9548,202699749706151395814352	9591,313819408709410407961883	9633,589919581044131184600097	9676,482970442664743373656091	65
16	9549,109408072244078037562987	9592,130272135010300346085237	9634,275150158077611826594804	9677,762490775549705700013973	66
17	9550,023825186957553336415266	9593,205180493658846173045374	9635,651739530143641585130486	9678,441444797380205955369863	67
18	9550,297435818614259417706088	9593,910165406044385910739268	9636,586190719115106378417407	9679,309646020153214853845846	68
19	9551,802310112949625281704010	9594,431429784413274197865271	9637,636829868488473224772211	9679,806168479680127851340980	69
20	9552,369737287713665962517531	9594,988285872687335444659961	9638,333970206398725217631521	9680,762833610206135378782291	70
21	9553,055529832435298762579200	9595,993695246837813871949093	9639,400372272585184616936418	9681,933181545262099109155697	71
22	9554,438731024914426847410355	9597,340246229806388656962851	9639,941632652453206538676200	9683,097742918037775445068426	72
23	9555,132351125928070576394409	9597,618342094728995633223593	9640,667624445024666011508702	9683,867021673075729416993274	73
24	9555,765517186338260110850910	9598,706169772418767944447870	9641,271927640639914587068928	9684,589585901776689271206484	74
25	9557,033450242658770171300005	9599,449375097213448843993341	9642,172583672366622915597109	9685,308004229365586362152428	75
26	9557,864073545580146024177746	9601,023594442615011526536162	9643,651510536878041424674824	9685,960000518493414291316469	76
27	9558,778597586110962337985234	9601,374051672791911108301297	9643,850300727237012503586851	9686,936901705503279680389379	77
28	9559,497877391873840268284901	9601,972952765042330220820421	9645,268004100864105331331713	9687,635650374518576486192194	78
29	9559,651002786866863544469819	9603,387320427234751615986828	9646,033601387987542209237106	9688,452504117910426432643295	79
30	9560,804275858352439779986299	9604,113455998881627535451685	9646,682120242309280748225378	9689,424900299011553833205477	80
31	9561,826855174030332528674705	9604,831331501784262477104860	9647,776874287209417000727523	9691,007692604953553641168129	81
32	9562,595160265601077816216963	9605,509080556900758815046412	9648,593127494612782407016732	9691,345099412726314259068660	82
33	9563,767484768306059513593855	9606,208589671675521674102101	9649,697627600659101603769128	9692,129608962687733291200708	83
34	9564,941586598359537159951040	9606,948842119686854533481513	9649,853790958864717645258758	9692,775465087985222801478619	84
35	9565,719270210826519406081356	9608,036444605873060809368771	9650,999123888005800829890801	9694,160018792738817178728687	85
36	9565,998473754086135395359943	9609,580310488176489674099265	9651,871456186812567976979314	9694,810249048602317296675250	86
37	9567,084762807113636559807517	9610,210766394500173007378392	9652,538464027656151858409428	9695,587265123240345287539716	87
38	9567,680668642880124314630185	9610,802823321588173002488480	9653,014874566615366895358425	9696,340584322436407891030817	88
39	9568,920136749612357888378415	9611,665887777861962098842267	9654,963345358770871395693731	9696,969092912941657394610900	89
40	9569,757583804237239564807622	9612,606349754941479289812597	9655,670242556963393784617537	9697,964078699752353771869353	90
41	9570,282928700381061771244067	9613,167963417455287934311834	9656,509156429004020168460379	9698,735918071114720512611114	91
42	9571,225835960819895178308050	9614,252323364500127574018277	9657,006073676157458894913495	9699,909751127411665624351939	92
43	9571,872993121369496659181805	9614,790927447389822692970059	9657,625816863722349657387817	9701,268636037585310124303750	93
44	9573,170828778938441791540820	9616,080125100233765887597692	9658,780678230384615506653014	9701,750955885448483775342734	94
45	9574,260212103264488528778628	9616,576304356222216020322076	9659,637116337265663062138110	9702,343670704510927804233738	95
46	9575,159596766068858124397267	9617,711563455022569563091197	9660,202999377106689856384506	9703,640136866696275940470415	96
47	9575,627693113068459526384797	9618,147803718693615352353568	9661,371533562066128138842556	9703,837388247138271345004502	97
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49	9577,462720728044731422846196	9620,711570046190571682812908	9663,085768151967829900166903	9705,876215987490425377972557	99
50	9578,082268990219020394035642	9621,165759368628061386666137	9663,881076548493356670218586	9706,802865517506481576504569	00

	9801 - 9850	9851 - 9900	9901 - 9950	9951 - 10000	
01	9707.41464704485038171079412 2	9750.07474213996683094925471 2	9793.54999929203802615343794 7	9836.11266050127112784208732 7	51
02	9708.18607819349803447842768 7	9750.77300561247569315754683 0	9793.64761879251348785456297 6	9836.48590652035473329814474 9	52
03	9709.50243860525861900041737 5	9751.98330743225671043915062 6	9794.76105181106758234821964 3	9837.75665490043084667393858 4	53
04	9710.18567956785332449463426 4	9753.03470047561671830118914 5	9795.42003137564289785185495 9	9838.63107153066863828771336 25	54
05	9711.15638103605129355444237 3	9753.71721306129767018602853 4	9796.20181106187563523716556 9	9839.43535954069774561126121 9	55
06	9711.88731233694622966710805 1	9754.68049929017112433732309 5	9797.29302461131709022432189 1	9840.03824968889863802786530 0	56
07	9712.66895689641852724698212 5	9755.49511224822572555669071 7	9798.03419139609269048371758 2	9840.72946997166330622481872 5	57
08	9713.80390957342515132737659 3	9756.38010470249756589788802 8	9799.09619251417569789378064 5	9841.16556542450059952526517 8	58
09	9714.47637267975936324580328 8	9757.26089946892857294302267 0	9800.34871249272998261652805 0	9842.66166468519921722364167 2	59
10	9714.68910555826542258488692 5	9758.30745409739460215769968 2	9800.83181535495087871841809 8	9843.42627864308680253253173 3	60
11	9715.65442651951931507482065 3	9758.81466516659059230241391 1	9801.52759848898103047383929 3	9844.26901498709856005965883 4	61
12	9716.86489394774522798475638 2	9759.59224665912632806649599 3	9802.24721820190912187928187 2	9845.51448492407516778495617 5	62
13	9718.21732391980859585133109	9760.27089138135864729488600 9	9803.78272436746770828034472 3	9846.23402222062210266927778 3	63
14	9719.00394822943731329866471 8	9761.36318925091788227386397 8	9804.33938674674434982363139 2	9846.88379056070094746205867 0	64
15	9719.58460540927798981469983 7	9761.88756929526379107737148 0	9804.77101077444575423020517 3	9847.70026224454661951044507 7	65
16	9720.46445407630609705053264 4	9763.29409980165402299844662 8	9805.67219192060133621459551 6	9848.56359712989154166846359 7	66
17	9721.10447304696895872601757 3	9764.41634996564879589783817 1	9806.37306956185973464889390 6	9849.55968638109323534393116 1	67
18	9721.99675330998162722232670 1	9765.29807729248359687410953 4	9807.41526867301207378576988 6	9850.34091538720265852599457 3	68
19	9723.05845512506905834360469 5	9765.79804505153439693166602 5	9808.57942684119940181733382 4	9851.16811571530880497591066 8	69
20	9723.73731326518825388877523 5	9766.23875474344092676407242 5	9809.66290514758175100713107 1	9851.62395697587996578441217 8	70
21	9724.37387321651183896460754	9767.28985868420713866986374 3	9810.29182687565964193998557 2	9852.55223672661934548207201 0	71
22	9725.54912899430124842175409 4	9768.16859616469902440077511 5	9811.32310761427845379796659 9	9853.63753040718217570590467 3	72
23	9726.18790255373645885075696 2	9769.34184758176886154601895 7	9812.02619072749897582448986 3	9855.04580374647033773864014 9	73
24	9727.40372847815143625604835 3	9769.96346033396513683272791 2	9812.26897944558001443462069 9	9856.03138699954206211863466 0	74
25	9727.88033535185013234698318 2	9770.29858589220733080462373 2	9813.48897453111352222222042 7	9856.17706090451087307990126 2	75
26	9729.49602575260664184010923 4	9771.87227980179722659950650 4	9814.29250938776106622280681 3	9856.91017566716287805480041 1	76
27	9730.11958617858754941859569 1	9772.65416867588422266140254 7	9815.14540987507450755125599 1	9858.16458111108549264363510 7	77
28	9730.57690430874772289773613 9	9773.28433785480365103897459 3	9816.28072547236587838820395 9	9858.73241413596694381968854 2	78
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	10201 - 10250	10251 - 10300	10301 - 10350	10351 - 10400	
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02	10049,926325462312787896161 05	10092,338767610849774872532 19	10135,406036692184908421146 17	10177,302928006256666356031 30	52
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	10401 - 10450	10451 - 10500	10501 - 10550	10551 - 10600	
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02	10220.126413779055600065872 40	10262.5852511159563160742170 7	10304.5292845980611978144637 5	10347.3740705143804011255786 2	52
03	10220.968771656205410267416 80	10263.3063736730666576541049 2	10305.2040671032167988343856 6	10348.2723395599397335724823 8	53
04	10221.751367791492298938308 02	10264.3177921045348728853703 2	10306.9377304375653534794292 7	10348.7849563413572553032180 1	54
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29	11923,884751953380153487224 32	11965,988881517444645487389 90	12007,259470529363624098055 10	12049,143757820335331165108 54	79
30	11925,434593630654226675947 11	11967,175865454685447496589 23	12007,795463394139108667774 04	12049,522909915253163988982 64	80
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35	11928,792671155843910301473 31	11970,840189870199859987055 75	12012,518293887319237949821 16	12053,901723853704577494182 94	85
36	11930,054282615724504901609 76	11971,635902190630516102576 08	12013,537023027358184734314 39	12054,332767289641778288408 02	86
37	11931,475871685269772501628 54	11972,345517261761715145898 02	12013,995197223861417109172 59	12055,276252463202233612672 57	87
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	12601 - 12650	12651 - 12700	12701 - 12750	12751 - 12800	
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47	12105,1371002751852906095570 0	12146,8284133565579520840591 6	12188,4564574189110706055407 2	12230,1965743071314546221659 0	97
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	12901 ≤ 12850	12851 ≤ 12900	12901 ≤ 12950	12951 ≤ 13000	
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17	12246,777657113157382273436 72	12287,800027851088257963329 98	12329,593071752373407131273 67	12371,009381096283904877349 68	67
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26	12253,970148814651836523484 50	12295,592922348337411873702 03	12337,207963010832984295843 45	12378,274637200132365202038 26	76
27	12254,401903033516273506533 37	12296,172678873449680262957 96	12338,251440933469514782726 29	12379,162024632964652448989 28	77
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29	12256,644744965258357868029 37	12298,180457016414576703755 42	12339,694358172667534285711 95	12380,806962336100080107813 73	79
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38	12264,261436897722407461137 48	12305,395672917218654856563 29	12346,840041369140792855224 91	12388,514168994958070121554 16	88
39	12264,683402722979428788614 84	12306,394147153911175420450 43	12347,954678588247460984724 70	12389,044124700140849969687 81	89
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03	12400,955581867696237788237 48	12442,383046759684387218270 16	12483,816153708788955699991 83	12524,726184044271727810717 09	53
04	12401,535797181198386553090 89	12442,753823519854421635994 1	12484,248386226721083922785 62	12525,862772137855799428514 15	54
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29	13901,409397582016509289656 76	13941,979028675683974909823 63	13982,747616713065600316728 35	14024,000636587781544724563 84	79
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TABLE 2

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TABLE 2 PAGE 1

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02	,4183149038E-01	,2407774920E-02	,1438085214E-02	,1598046589E-02	,3773661533E-03	,5580313696E-03	,4366025342E-03	,5751955490E-03	52
03	,2914196098E-01	,4113318808E-02	,1421252122E-02	,1155939212E-02	,8165346164E-03	,6248966170E-03	,6877253845E-03	,3482596284E-03	53
04	,2520313808E-01	,4187642965E-02	,1361576951E-02	,6230752594E-03	,1136170330E-02	,7922687274E-03	,6534469118E-03	,2922347319E-03	54
05	,2196574173E-01	,1540524336E-02	,9747660674E-03	,5612562380E-03	,1169548873E-02	,8275227077E-03	,4298165980E-03	,5410271311E-03	55
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08	,1258717239E-01	,2947502259E-02	,1731403591E-02	,8192125297E-03	,5380875944E-03	,8616055454E-03	,2360067479E-03	,6067062389E-03	58
09	,1328415178E-01	,1727758909E-02	,1151050971E-02	,1417186951E-02	,6149006972E-03	,7569369259E-03	,4752787065E-03	,2095981782E-03	59
10	,1415843812E-01	,1490800639E-02	,7199978936E-03	,1292610671E-02	,7579779212E-03	,6737436926E-03	,1112918262E-02	,2782060769E-03	60
11	,7779534257E-02	,1779719981E-02	,1185089226E-02	,5416351444E-03	,7571717968E-03	,5779338944E-03	,9692125464E-03	,4148865867E-03	61
12	,7481318107E-02	,2435351514E-02	,1301700268E-02	,8512740723E-03	,1487874760E-02	,3944964628E-03	,5123730478E-03	,3677168273E-03	62
13	,1210617396E-01	,3849957759E-02	,1452985436E-02	,1263245961E-02	,1256194402E-02	,3722888695E-03	,3756010615E-03	,1321812030E-02	63
14	,9937574553E-02	,2974007480E-02	,2198546444E-02	,1481289797E-02	,4062886972E-03	,3313744264E-03	,2622102661E-03	,1443520035E-02	64
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17	,6576611208E-02	,2131501986E-02	,1489585677E-02	,1009196350E-02	,6951208453E-03	,7426930357E-03	,4920413944E-03	,1901618350E-03	67
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19	,7422600399E-02	,1585221437E-02	,1313065517E-02	,9698626004E-03	,4281327739E-03	,2593672325E-03	,5461475677E-03	,1184663812E-02	69
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34	.1268111609E-03	.5935954946E-03	.8314682736E-04	.2369784735E-03	.8628371327E-04	.1670735099E-03	.2496883623E-03	.9555436501E-04	84
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07	.1517086368E-03	.1121547694E-03	.4830783282E-04	.6157407850E-04	.1489283459E-03	.2026710894E-03	.2597890278E-03	.1503052180E-03	57
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27	.1066583779E-03	.3626299260E-03	.1439143442E-03	.2318297362E-03	.1801891520E-03	.8767452026E-04	.1277554294E-03	.7128076944E-04	77
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36	.2070239498E-03	.9976199510E-04	.1529834895E-03	.2113173226E-03	.7916464840E-04	.1262932062E-03	.9816738696E-04	.1185659209E-03	86
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14	.1143841727E-04	.5014670678E-04	.8753708936E-05	.1598616109E-04	.4933104676E-05	.1311165243E-04	.1354041200E-04	.1657639196E-04	64
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16	.3915644799E-04	.2502752537E-04	.1019295317E-04	.5499126873E-05	.1761781573E-04	.2081681854E-04	.1881297256E-04	.1896184965E-04	66
17	.3722707331E-04	.3766360252E-05	.1703961383E-04	.3702141013E-05	.3278055981E-04	.5137289324E-05	.2793081770E-04	.1381215017E-04	67
18	.9250032724E-05	.4410326660E-05	.2073137988E-04	.8321088573E-05	.3470865385E-04	.6742161374E-05	.2143426498E-04	.3131386435E-05	68
19	.1317948310E-04	.9242347670E-05	.1480717305E-04	.2393704395E-04	.1648328906E-04	.1009219239E-04	.9178135550E-05	.1127656391E-04	69
20	.1522174457E-04	.2010340048E-04	.1182886156E-04	.2524405109E-04	.1493688795E-04	.8247133490E-05	.6748945716E-05	.1769547069E-04	70
21	.1074742292E-04	.2270204701E-04	.2935107896E-04	.1031135118E-04	.1409232826E-04	.1029901022E-04	.7000059833E-05	.5020621112E-04	71
22	.1529191546E-04	.1276137611E-04	.2853076850E-04	.8527856568E-05	.4320400679E-05	.2852058808E-04	.7128204610E-05	.4676291145E-04	72
23	.1205204489E-04	.3711057093E-04	.4986117411E-05	.2308045534E-04	.4780510912E-05	.2628916448E-04	.1111889280E-04	.1417687405E-04	73
24	.3808691222E-05	.4239721950E-04	.7688134822E-05	.2397412278E-04	.9393554831E-05	.4274486293E-04	.1025982769E-04	.1689001248E-04	74
25	.9296829666E-05	.1214755498E-04	.3306459865E-04	.1313283002E-04	.1314572151E-04	.5094802895E-04	.5501182869E-05	.1553063503E-04	75
26	.1337384875E-04	.7746639126E-05	.3359155648E-04	.1629774510E-04	.1339290845E-04	.1738011254E-04	.1521461498E-04	.9800872134E-05	76
27	.1864228183E-04	.1162943376E-04	.1524645577E-04	.1347947470E-04	.1909924276E-04	.5044017179E-05	.1808067666E-04	.4611565664E-05	77
28	.1849846929E-04	.9743365730E-05	.2758852836E-04	.5189947843E-05	.1663822561E-04	.3487960055E-05	.1451241675E-04	.6012402880E-05	78
29	.1827303679E-04	.8188442776E-05	.2354829074E-04	.3993077290E-05	.7723364763E-05	.1498823661E-04	.1351722861E-04	.1215802263E-04	79
30	.2950425464E-04	.6871673466E-05	.9141226160E-05	.5539102429E-05	.1541089291E-04	.1875097722E-04	.1663998667E-04	.1311171535E-04	80
31	.2216955258E-04	.5448383410E-05	.1324524889E-04	.1241529826E-04	.2555311780E-04	.1036369192E-04	.1791205873E-04	.7990337099E-05	81
32	.1045186390E-04	.1249993199E-04	.1090298652E-04	.1831775855E-04	.1921196289E-04	.1507885963E-04	.1881684102E-04	.7958947301E-05	82
33	.6114921911E-05	.2433948385E-04	.7400688351E-05	.2282679550E-04	.8958053356E-05	.1922013046E-04	.1160075442E-04	.1177460034E-04	83
34	.8255538458E-05	.2395085511E-04	.6975737357E-05	.2228501329E-04	.4724386111E-05	.1317982695E-04	.3954855585E-05	.1521636965E-04	84
35	.1447310726E-04	.1530323738E-04	.6870174154E-05	.3208166541E-04	.7220863740E-05	.1138763717E-04	.7671124141E-05	.2685494886E-04	85
36	.1176147681E-04	.1869102264E-04	.8375711938E-05	.2565152902E-04	.1469763287E-04	.1004371914E-04	.3367649741E-04	.2714952094E-04	86
37	.9602846953E-05	.1860134893E-04	.8843941706E-05	.6447816021E-05	.1366678717E-04	.3216775244E-04	.3647836358E-04	.1180986107E-04	87
38	.1357172038E-04	.8419084271E-05	.8681826747E-05	.1076279949E-04	.1428873263E-04	.3506327256E-04	.1497869958E-04	.7037378893E-05	88
39	.1247782836E-04	.4815829150E-05	.1335890525E-04	.1046431918E-04	.1691080203E-04	.8567363196E-05	.1276744740E-04	.4549812835E-05	89
40	.1087323725E-04	.5064903821E-05	.2927478092E-04	.5976458931E-05	.4818146029E-04	.4042385646E-05	.1002346630E-04	.4849336359E-05	90
41	.1533322362E-04	.8568151454E-05	.3238861330E-04	.1131137307E-04	.4859672766E-04	.4368403180E-05	.9626471113E-05	.8241567358E-05	91
42	.2394431914E-04	.1782747418E-04	.2551485254E-04	.1363224635E-04	.1053904488E-04	.1416987074E-04	.1203087912E-04	.1047676243E-04	92
43	.1891309931E-04	.2264826307E-04	.1485238061E-04	.1525975620E-04	.4946586427E-05	.1904144188E-04	.1737332788E-04	.2357920337E-04	93
44	.3927033033E-04	.1725990351E-04	.4174084413E-05	.1470243358E-04	.6377279177E-05	.1820956965E-04	.1217047876E-04	.3191997700E-04	94
45	.3744700249E-04	.9041323768E-05	.4288104651E-05	.1351469796E-04	.6920009986E-05	.2746389915E-04	.4657883277E-05	.2709700813E-04	95
46	.3673794230E-05	.8448153933E-05	.1052822817E-04	.1989776088E-04	.7476096476E-05	.2369443335E-04	.9401868135E-05	.1494728496E-04	96
47	.5337148119E-05	.1991294436E-04	.1207399917E-04	.2802291280E-04	.1779607961E-04	.1046185876E-04	.9478929010E-05	.2154976272E-04	97
48	.9520928394E-05	.2894884844E-04	.1359206336E-04	.2337331445E-04	.1649847993E-04	.8116975603E-05	.6033581954E-05	.2823916925E-04	98
49	.1932218003E-04	.1906762099E-04	.2558836873E-04	.9902386957E-05	.7825047454E-05	.8131737834E-05	.1789955238E-04	.1235711602E-04	99
50	.4288891103E-04	.6534411040E-05	.2359181810E-04	.5490174092E-05	.1221798727E-04	.4968899649E-05	.3773110855E-04	.6255469941E-05	00

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01	.4792876839E-05	.1628771632E-04	.4635087636E-05	.2229367026E-04	51
02	.9122620684E-05	.1260749545E-04	.8148723678E-05	.3018445167E-04	52
03	.1012040789E-04	.7509416465E-05	.1435902248E-04	.1592564155E-04	53
04	.1348351539E-04	.6605493694E-05	.1827970049E-04	.1040133495E-04	54
05	.1531979314E-04	.8212687283E-05	.3171925035E-04	.7519129952E-05	55
06	.1797665745E-04	.7218622482E-05	.2696995729E-04	.5001498229E-05	56
07	.2898651206E-04	.1488539752E-04	.1092042457E-04	.5844134503E-05	57
08	.2382029120E-04	.1531381854E-04	.9438765617E-05	.5400776544E-05	58
09	.1153004210E-04	.5839177792E-05	.9785051879E-05	.1324708285E-04	59
10	.6715998801E-05	.1054469630E-04	.8417857256E-05	.3178871771E-04	60
11	.3961394116E-05	.3695375738E-04	.4916514168E-05	.2979898920E-04	61
12	.1298379410E-04	.4110792816E-04	.1073615282E-04	.3526566207E-04	62
13	.2317341539E-04	.1618223737E-04	.1919503997E-04	.3055656459E-04	63
14	.1765107363E-04	.1200767240E-04	.1415697935E-04	.7243228496E-05	64
15	.1207125455E-04	.1664805169E-04	.6887223818E-05	.1208473760E-04	65
16	.1055419708E-04	.1092625750E-04	.8896613832E-05	.1129450594E-04	66
17	.1046316047E-04	.3076464601E-05	.1909207958E-04	.5576841905E-05	67
18	.1467676787E-04	.7747117249E-05	.2345534192E-04	.7955018135E-05	68
19	.1574733429E-04	.1548200103E-04	.2048720065E-04	.8606861303E-05	69
20	.1006937674E-04	.2143625575E-04	.1471980943E-04	.1142520755E-04	70
21	.1295440437E-04	.2203145639E-04	.9983526199E-05	.1166454671E-04	71
22	.1278134916E-04	.1375230668E-04	.6413524469E-05	.1219390453E-04	72
23	.5532604160E-05	.8949503081E-05	.4433509205E-05	.1216270431E-04	73
24	.3903117756E-05	.9824173143E-05	.7279880612E-05	.1279174684E-04	74
25	.9078230114E-05	.1191449144E-04	.1248393782E-04	.2211475409E-04	75
26	.1857049461E-04	.1757023192E-04	.1527700837E-04	.2059406641E-04	76
27	.2908509541E-04	.1329863743E-04	.2020722635E-04	.1195547190E-04	77
28	.2448707681E-04	.5892992033E-05	.2076113464E-04	.6141373918E-05	78
29	.2393307789E-04	.5291894947E-05	.1407683970E-04	.3678633672E-05	79
30	.2236689742E-04	.5766564276E-05	.9557515825E-05	.2672604661E-04	80
31	.7781360382E-05	.1828375968E-04	.6494033883E-05	.4148053906E-04	81
32	.5775942790E-05	.1828309501E-04	.1313384666E-04	.2151260564E-04	82
33	.5762507521E-05	.1442749327E-04	.2122306700E-04	.1468839399E-04	83
34	.5748327191E-05	.3239663929E-04	.1323959810E-04	.3200840106E-04	84
35	.6481005473E-05	.3418434355E-04	.4910423162E-05	.2587036270E-04	85
36	.1330404627E-04	.1926872132E-04	.7665156757E-05	.7618791447E-05	86
37	.2876553773E-04	.8711023251E-05	.9217081759E-05	.1031702337E-04	87
38	.2195462510E-04	.3768146253E-05	.2099159834E-04	.9850566965E-05	88
39	.9040838523E-05	.6703728524E-05	.2241740251E-04	.5984439957E-05	89
40	.1278533234E-04	.8031527147E-05	.1509857088E-04	.8345151459E-05	90
41	.1594654217E-04	.1451188069E-04	.1818623456E-04	.8175745859E-05	91
42	.4841897059E-04	.1467087128E-04	.2619576913E-04	.6497836917E-05	92
43	.4629366908E-04	.2442332633E-04	.1886348513E-04	.7690666734E-05	93
44	.8262396838E-05	.2887877743E-04	.3463384035E-05	.1418181989E-04	94
45	.3422334145E-05	.1101545807E-04	.5595624796E-05	.1989991353E-04	95
46	.7930844044E-05	.1541500227E-04	.7851269081E-05	.2777735201E-04	96
47	.9583516256E-05	.2088996637E-04	.3026734802E-04	.2677808469E-04	97
48	.1413797251E-04	.1590404771E-04	.3493216213E-04	.1161873958E-04	98
49	.2202456392E-04	.1055912404E-04	.1553656241E-04	.7026296452E-05	99
50	.1994416820E-04	.6747621510E-05	.9884379670E-05	.6201679010E-05	00

TABLE 3

$\pi\psi_n$, n = 1,2,...,15000

	1- 50	51- 100	101- 150	151- 200	201- 250	251- 300	301- 350	351- 400	
01	.1693111115E+01	.8289615893E+00	.1475160500E+01	.4779750438E+00	.2312068384E+01	.7555114575E+00	.7354084730E+00	.1155960875E+01	51
02	.1326441309E+01	.1730861477E+01	.1369398809E+01	.1682425425E+01	.1164926992E+01	.1658243617E+01	.9472545259E+00	.1899950536E+01	52
03	.1885079873E+01	.7102705689E+00	.1789505296E+01	.2219422044E+01	.4538134063E+00	.9829351035E+00	.1020988723E+01	.2996381071E+01	53
04	.1016947064E+01	.2467558459E+01	.1692650392E+01	.2608750259E+01	.1468498947E+01	.1595557679E+01	.2105997374E+01	.2342685502E+00	54
05	.2129676160E+01	.2264974147E+01	.2552955460E+01	.6534716296E+00	.1749422268E+01	.1908783204E+01	.1747919191E+01	.9166050938E+00	55
06	.1263582012E+01	.4612498307E+00	.7467907852E-01	.6518022172E+00	.3020941448E+01	-.3110896933E+01	.1596789999E+01	.1559531424E+01	56
07	.1353968462E+01	.1214433508E+01	.1443567451E+01	.1971614610E+01	.1061182994E+01	.5133328148E-01	.2322981640E+01	.1402115838E+01	57
08	.2205227449E+01	.2335855025E+01	.1878037821E+01	.2098615856E+01	.1352360869E+01	.1012905998E+01	.1624386177E+01	.3014201254E+01	58
09	.7095796347E+00	.1691383673E+01	.2364297949E+01	.9321097696E+00	.1221577513E+01	.1946934053E+01	.2246930946E+00	.1800198343E+01	59
10	.2037216896E+01	.1839815636E+01	.1712595554E+01	.2949379175E+01	.1314168602E+01	.1421414281E+01	.8836414278E+00	.9181191386E+00	60
11	.1821439196E+01	.8914423788E+00	.7168899807E+00	.8591628760E+00	.1755690354E+01	.2411485139E+01	.2533528035E+01	.1185190491E+01	61
12	.1202737538E+01	.1334444109E+01	.1867152268E+01	.1016494892E+01	.1219781933E+01	.1524088821E+01	.1745221785E+01	.1892319232E+01	62
13	.1123914230E+01	.1336947572E+01	.8691400902E+00	.1130441359E+01	-.2836290554E+01	.1876185362E+01	.2811310587E+01	.8605790407E-01	63
14	.2589506917E+01	.3131790378E+01	.1659835314E+01	.1908455020E+01	.4375692892E+00	.1233067211E+01	.7451360055E+00	.2462826039E+01	64
15	.7988869482E+00	.4858171596E+00	.3068462449E+01	.3027040844E+01	.4842682923E+00	.1973427161E+00	.2861405093E+00	.2332621217E+01	65
16	.1626031452E+01	.1397516636E+01	.1044604963E+01	.9538275844E+00	.1981525983E+01	.1934722257E+01	.2651471040E+01	.2426063015E+01	66
17	.1825046228E+01	.1729612566E+01	.4760018770E+00	.7170824719E+00	.2110050017E+01	.2018310752E+01	.8594058139E+00	.1005849109E+01	67
18	.1914233996E+01	.1637601910E+01	.1637642829E+01	.2004024661E+01	.1800336859E+01	.2820871353E+01	.1675339125E+01	-.1782619988E+00	68
19	.5737433120E+00	.2201015767E+01	.2328484694E+01	.1042959144E+01	.2091347792E+01	.1260486356E+01	.2131615905E+01	.1742928659E+01	69
20	.1916419046E+01	.1493352845E+01	.1622298215E+01	.1989502319E+01	.7231055922E+00	.6208852865E+00	.2733235293E+01	.2568356253E+01	70
21	.2293537337E+01	.1343660539E+00	.1897043910E+01	.2173500958E+01	.1925206736E+01	.9265170520E+00	.5331215233E+00	.1625601079E+01	71
22	.8655037011E+00	.2050515554E+01	.1333901951E+01	.2072300357E+01	.4185278066E+00	.2596614986E+01	.9790185233E+00	.1874532559E+01	72
23	.1642972409E+01	.2428974681E+01	.4568338414E+00	.1141445064E+00	.1504224683E+01	.8648679851E+00	.7808761574E+00	.1930899943E+01	73
24	.1264685625E+01	.1851999087E+01	.1963298180E+01	.9663532716E+00	.2874898455E+01	.1998588878E+01	.2311245315E+01	.1109895949E+01	74
25	.2579166882E+01	.5389076019E+00	.1698710321E+01	.2488593458E+01	.2311494687E+01	.2838567734E+01	.2669708193E+01	.1106979206E+01	75
26	.8061914576E+00	.1878451690E+01	.2984862897E+01	.2007735409E+01	.6397138406E+00	.8492471036E+00	.1154215730E+01	.9729602840E+00	76
27	.1031768248E+01	.1270705153E+01	-.2154802728E-01	.2019743313E+01	.7681927917E+00	.7742898941E+00	.1947316623E+01	.1739196836E+01	77
28	.2515966523E+01	.1640772529E+01	.1699904339E+01	.1021637309E+01	.1702523955E+01	.1061238027E+01	.9928938145E+00	.1608186554E+01	78
29	.1601152964E+01	.2819276862E+01	.1745347265E+01	.1312151001E+01	.2090416421E+01	.1868618811E+01	.1213996168E+01	-.2626451048E+01	79
30	.1301326617E+01	.3416063112E+00	.1391345494E+01	.1453626362E+01	.1481273967E+01	.2707960132E+01	.1351840221E+01	-.1209218811E+00	80
31	.1081697563E+01	.1351301373E+01	.2154372451E+01	.9731555202E+00	.2025005263E+01	.1959413452E+01	.1267674309E+01	.1505528056E+01	81
32	.1803421555E+01	.1544278646E+01	.2103825436E+01	.2130169590E+01	.2155169783E+01	.3509309181E+00	.2689626907E+01	.1376861781E+01	82
33	.2509815818E+01	.2586661392E+01	.9001553954E+00	.3066590232E+01	-.1181033371E+00	.2070660600E+01	.2661745763E+01	.1602215557E+01	83
34	.1414068665E+00	.1341659311E+01	.7533503962E+00	.6600514814E-01	.1784328848E+01	.1080228650E+01	.7972860686E-01	.1926594685E+01	84
35	.2067867425E+01	.1557646918E+01	.1188998009E+01	.1567607521E+01	.1283889651E+01	.1087852667E+01	.8004550193E+00	.1606023459E+01	85
36	.1675291071E+01	.9862077822E+00	-.3122773366E+01	.7002209513E+00	.2336324231E+01	.2170931778E+01	.2020277422E+01	.2297207519E+01	86
37	.2043614156E+01	.1210443819E+01	.1664292284E+01	.2822562311E+01	.2750927275E+01	.1987471402E+01	.1970795914E+01	.1760394600E+01	87
38	.1430668003E+01	.2236881486E+01	.1211965288E+01	.1638242306E+01	.3674233155E+00	.2658245896E+01	.1122936669E+01	.3637834376E+00	88
39	.7674815477E+00	.2511202237E+01	.8546165583E+00	.1835387118E+01	.1394182701E+01	-.4579884598E+00	.2820007793E+01	.9457899258E+00	89
40	.1569745336E+01	.5162229989E+00	.1967814336E+01	.1670138559E+01	.1636162302E+01	.1570027511E+01	.1110084612E+01	.1353789986E+01	90
41	.2760033419E+01	.7295086784E+00	.9059384973E+00	.7870863514E+00	.1400699463E+01	.1608276842E+01	.1853194644E+01	.3018208486E+01	91
42	.1016046425E+01	.2596788641E+01	.2368853405E+01	.8178328228E+00	.1089438234E+01	.2397451349E+01	.3059701865E+00	.1896126196E+01	92
43	.1045690421E+01	.1142263068E+01	.2613314791E+01	.2096366632E+01	.2997829644E+01	.1497343367E+01	.1218696865E+01	.1891512351E+01	93
44	.1899549470E+01	.2538209325E+01	.1276168302E+00	.2433523451E+01	.1892232837E+01	.2215333085E+01	.1972180024E+01	.4724703744E-01	94
45	.1369352752E+01	.1311267229E+01	.1210247271E+01	.2228640610E+01	.7512213743E+00	.1169285947E+01	.2852286146E+01	.1820919880E+01	95
46	.2584488807E+01	.1010717648E+01	.1886836502E+01	-.1756035892E-01	.4190533388E+00	.1185915390E+01	.1957344454E+01	.1895027982E+01	96
47	.5559302923E+00	.7079217960E+00	.1984345739E+01	.1493565606E+01	.1625389130E+01	.1304583318E+01	.4596187449E+00	.8650807228E+00	97
48	.1189500040E+01	.2520178897E+01	.2209490017E+01	.2189706631E+01	.2895475670E+01	.4731835881E+00	.1368390186E+01	.1455255949E+01	98
49	.2175770018E+01	.2580042848E+01	.9233348539E+00	.8704601076E+00	.1516417387E+01	.2683293362E+01	.1193495355E+01	-.3020912264E+01	99
50	.2217139837E+01	.5948031794E+00	.1870218152E+01	.2356762897E+01	.1987666795E+01	.3115545201E+01	.2194897608E+01	.1857828773E+01	00

	401- 450	451- 500	501- 550	551- 600	601- 650	651- 700	701- 750	751- 800	
01	-.4394565266E-01	.1343686060E+01	.1494733665E+01	.2164483185E+01	.2435391395E+01	.1392086024E+01	.1145431903E+01	.2108975512E+00	51
02	.1438867845E+01	.3127453528E+01	.1536411334E+01	.2703656672E+01	.1830525725E+01	.2343529660E+01	.1591695850E+01	.2188497305E+01	52
03	.1272758344E+01	.4997470946E+00	.2672247792E+01	.1581094190E+01	.2729417726E+01	.1915076845E+01	.1290266926E+01	.4144289714E+00	53
04	.2164925047E+01	.2898901995E+01	.1295008831E+01	.1130481291E+01	.5196919788E+00	.2853176494E+01	.1978418733E+01	.1552019788E+01	54
05	.2513165646E+01	.1444157236E+01	.4130047303E+00	.4355111589E+00	.7899913449E+00	-.2578205385E+00	-.2629686632E+01	.1322467375E+01	55
06	.1433611682E+01	.1151686062E+01	.1548242072E+01	.9965367026E+00	.3405603126E+00	.8803909396E+00	.2583468209E+00	.2743898367E+01	56
07	.1270017076E+01	.6610106106E+00	.9942681953E+00	.2237706572E+01	.2696397564E+01	.1454783293E+01	.6159257881E+00	.3020324217E+01	57
08	.1813713951E+01	.1577531209E+01	.1719980260E+01	.2723624949E+01	.2659082775E+01	.2657928373E+01	.1379546191E+01	.4129163089E+00	58
09	.3085559160E+00	.1524064713E+01	-.2601813131E+01	.1954348474E+01	.1272201553E+01	.1123998326E+01	.1883206463E+01	.4966522314E+00	59
10	.1744681893E+01	.2751844877E+01	.1146555419E+01	.1079018351E+01	.2201237227E+01	.2617337363E+01	.1998001940E+01	.1880304334E+01	60
11	.1694494166E+01	.2579851889E+01	.5980723796E+00	.1101312929E+01	.1088557157E+01	.1613222581E+01	.1234111039E+01	.1469126001E+01	61
12	.2030174575E+01	-.7781072456E-01	.1625655958E+01	.1573289347E+01	.7102734347E+00	.1270108678E+01	.2684897414E+01	.1433514789E+01	62
13	.3053917825E+01	.9206943926E+00	.1266915069E+01	.8169191799E+00	.2094745913E+01	.1344032040E+01	.1393890753E+01	.2389298343E+01	63
14	.2936121088E+00	.2347368470E+01	.1731015837E+01	.2142762119E+01	.5981857201E+00	.1079007383E+01	.1543612085E+01	.1033499790E+01	64
15	.6908425465E+00	.1214912505E+01	.1310224590E+01	.9036785316E+00	.1642486573E+01	.8953070671E+00	.1182377294E+01	.2772759475E+01	65
16	.1463469243E+01	.1639918507E+01	.2243980437E+01	.2776664530E+01	.2510547505E+01	.1479041464E+01	-.2629120211E+00	.1758331384E+01	66
17	.2422626838E+01	.2227367492E+01	.2444272433E+01	.2857065481E+01	.3026105238E+01	.3024973621E+01	.1996231697E+01	-.1056286728E+00	67
18	.1302999298E+01	.1975211134E+01	.1557360750E+01	-.4255952939E+00	.6089276884E+00	.2752669006E+01	.2851614193E+01	.1206193396E+01	68
19	.1867683339E+01	.1804763093E+01	-.2932735793E+00	.1134063313E+01	-.5464677371E-01	-.1683568077E+00	.2220936973E+01	.1506544940E+01	69
20	.2509751131E+01	.3979690632E+00	.1249234703E+01	.1815902409E+01	.2118294248E+01	.1846670075E+01	.2105631283E+01	.2239971634E+01	70
21	.7285032927E+00	.7572852515E+00	.2184895973E+01	.1497352258E+01	.1513578572E+01	.5043184299E+00	.4958823276E+00	.2482036528E+01	71
22	.1600573861E+01	.1659913993E+01	.2349925898E+01	.2511703815E+01	.1998844699E+01	.1960564676E+01	.9576690433E+00	.2062414124E+01	72
23	.2492888725E+00	.2509577967E+01	.1645862689E+01	.1670202713E+01	.1966719828E+01	.2302422674E+01	.1346145775E+01	.1087304391E+01	73
24	.1569979994E+01	.2519960697E+01	.2326622382E+01	.2010908115E+01	.1921810627E+01	.1185753884E+01	.2256503752E+01	.6320777417E+00	74
25	.2703188370E+01	.1186189538E+01	.2631891317E+00	.6111214568E+00	.1311254402E+01	.1940671291E+01	.9814535146E+00	.1305044869E+01	75
26	.2689860480E+01	.1454773859E+01	.1837006408E+01	.2069693608E+01	.2069210687E+01	.2583194687E+01	.1946770689E+01	.2342481675E+01	76
27	.1026784058E+01	.2828146611E+00	.1574674495E+01	.6026993806E+00	-.1178497715E+00	.1131973661E+01	.2124616382E+01	.4675527133E+00	77
28	.9231802177E+00	.2314110342E+01	.3592621984E+00	.1135150018E+01	.1289645632E+01	.2332159487E+00	.2765908086E+01	.1494826850E+01	78
29	.1078848307E+01	.1375765088E+01	.2231459390E+01	.1548825489E+01	.2157574476E+01	.1258976080E+01	-.3890575575E+00	-.3131578914E+01	79
30	.1958578281E+01	.1016541631E+01	.2004833727E+01	-.2819826078E+01	.1757878109E+01	.1686219703E+01	.1410698300E+01	.2434945911E+01	80
31	.1178309373E+01	.2414651702E+01	-.3058533670E+01	.1859046760E+01	.3035677662E+01	.2300379890E+01	.1417573500E+01	.5770798407E+00	81
32	.2122668504E+01	.3123421863E+01	.1858883217E+00	.9532977061E+00	.1509699861E+01	.2410839395E+01	.1292394240E+01	.8714815809E+00	82
33	.1542948829E+01	.5294698527E-02	.1037686554E+01	.4312059513E+00	.7828438080E-01	.2084042184E+01	.2592742592E+01	.8452479029E+00	83
34	.2983164018E+01	.1279409682E+01	.1253182489E+01	.1052650146E+01	.1425352483E+01	.1078170850E+00	.2683855106E+01	.1280433554E+01	84
35	.2027450768E+00	.5614922189E+00	.1452591112E+01	.2669136220E+01	.1768713594E+01	.9715118779E+00	.9535417389E+00	.3028527921E+01	85
36	.1388923261E+00	.2588171190E+01	.2562575734E+01	.1551853982E+01	.1932763591E+01	.2599275314E+01	.1103351423E+01	.1802226600E+01	86
37	.2440903997E+01	.1870476379E+01	.1787194092E+01	.1340604366E+01	.1001095988E+01	.6699755184E+00	.1658640175E+01	.1958764727E+01	87
38	.1641569402E+01	.2294590639E+01	.1223454461E+01	.2523539444E+01	.1757570066E+01	.1516054292E+01	.1219616453E+01	.8880318116E+00	88
39	.2402876011E+01	.1424670704E+01	.2494406145E+01	.1952516602E+01	-.2965340842E+01	.2184403058E+01	.1036296666E+01	.2029579735E+01	89
40	.2212165091E+01	.1068500051E+01	.6685891538E+00	.6554881725E+00	.8034014730E+00	.2658153408E+01	.1591997124E+01	.8396737296E+00	90
41	.6610149593E+00	.1916216504E+01	.9764957402E+00	.5525233919E+00	.8301669939E+00	.1754671254E+01	.2172796898E+01	.8829514792E+00	91
42	.1479009792E+01	.3316955685E+00	.1030623232E+01	.1663972190E+01	.1060943052E+01	.6222757140E+00	.2817590585E+01	.1600187082E+01	92
43	.1553909595E+01	.1199590914E+01	.2130195674E+01	.1781587328E+01	.7746136430E+00	-.1682882197E+00	.1641306164E+01	.2171609560E+01	93
44	.1055628550E+01	.2640868653E+01	.2144519426E+01	.2086643159E+01	.2686232144E+01	.2406904005E+01	.3235692753E+00	.1605270926E+01	94
45	.1028806809E+01	.2097230435E+01	.2877613004E+01	.3119899941E+01	.2814918329E+01	.1226984258E+01	.4119101598E+00	-.2774985075E+01	95
46	.2586382353E+01	.2570944431E+01	.6539928543E+00	-.7075102966E-01	.1395968865E+01	.2968342514E+01	.1692711602E+01	-.1411597031E+00	96
47	.2905056283E+01	.1526081833E+00	.4863470717E+00	.1544833623E+01	.1227469876E+01	.1243622968E+01	.2789562441E+01	.5074764349E+00	97
48	.9455273715E+00	.7537955381E+00	.1382566603E+01	.1601316249E+01	.1035271040E+01	.1806572931E+01	.1570053728E+01	.2042144741E+01	98
49	.6253050337E+00	.1747785755E+01	.2527087601E+01	.1479167557E+01	.1733453928E+01	.1455920243E+01	.1334557251E+01	.1740520800E+01	99
50	.1009961881E+01	.2210207128E+01	.5426058363E+00	.8877224091E+00	.9253934607E+00	.9702445727E+00	.2810258887E+01	.1921289502E+01	00

	801- 850	851- 900	901- 950	951- 1000	1001- 1050	1051- 1100	1101- 1150	1151- 1200	
01	.1282663747E+01	.1227861006E+01	.3139270327E+01	.1708007392E+00	.2276147906E+01	.1499685804E+01	.1500067584E+01	.1704579001E+01	51
02	.2539105005E+01	.2242045464E+01	.6025545525E+00	.1007478457E+01	.1530534404E+01	.1040846483E+01	.2301208075E+01	.2223306359E+01	52
03	.1829095499E+01	.8427816504E+00	.7909658214E+00	.2272918399E+01	.3016384834E+01	.1432381305E+01	.2609413529E+01	.2990226065E+01	53
04	.1009439497E+01	.2157592117E+01	.1907370818E+01	.2946896083E+01	.7303042496E+00	.1302263585E+01	.1208022393E+01	.4790448332E+00	54
05	.1248342422E+01	.2397030356E+01	.4553279196E+00	.1755030484E+01	.4671001471E-01	.1525536931E+01	.2348697953E+01	.2108396095E+00	55
06	.4068644294E+00	.1535801914E+01	.2440065710E+01	.1596556034E+01	.1092893937E+01	.1632723651E+01	.7804358574E+00	.1400319604E+01	56
07	.1618140954E+01	.2063677785E+01	.1216035615E+01	.1085786291E+01	.2282159464E+01	.2931804431E+01	.1846629787E+01	.1222365855E+01	57
08	.1860156602E+01	-.1262748229E+00	.1926458492E+01	.7633247122E+00	.2095807468E+01	.2374628502E+01	.5242311802E+00	-.3106666893E+01	58
09	-.2680784228E+01	.1008696646E+01	.2224448343E+01	.1984847124E+01	.2366085083E+01	.1998515097E+00	.1695360490E+01	.1154644304E+01	59
10	.1030927401E+01	.1562988586E+01	.2638731238E+01	.1042522297E+01	.1252682778E+01	.2353979313E+00	.1378063952E+01	.1793043451E+01	60
11	.1450444702E+01	.2657084566E+01	.1021441605E-01	.1620039001E+01	.2137493384E+01	.1412674686E+01	.1198484640E+01	.2607596667E+01	61
12	.3528862153E+00	.2195686793E+01	.8511389352E+00	.1669937399E+01	.4679152283E+00	.2640705629E+01	.2938707457E+01	.5765786758E+00	62
13	.1735410912E+01	.2056834298E+01	.1057155434E+01	.2495968617E+01	.1537773092E+01	.1654392558E+01	-.3134801174E+01	.1578987939E+01	63
14	.1788269405E+01	.1049840625E+01	.2122730253E+01	.2900066811E+01	.1670609013E+01	.1648409459E+01	-.3267159162E+00	.1218067854E+01	64
15	.1574021521E+01	.8323174158E+00	.2635690018E+01	-.7120967436E+00	.6463167240E+00	.2534424427E+01	.7956826594E+00	.8125570971E+00	65
16	.1229371672E+01	.1468685243E+01	.1239271181E+01	.1175082686E+01	.1670278816E+01	.1261595878E+01	.1928363210E+01	.7182900183E+00	66
17	.2484651757E+01	.1640025299E+01	.2696126072E+01	.1821613492E+01	.2249265723E+01	.8548754822E+00	.1156464746E+01	-.3118126698E+01	67
18	.2656031800E+01	.1385495823E+01	.5762676269E+00	.1533978543E+01	-.2721529319E+01	.2130362187E+01	.2190722835E+01	.3024933281E+01	68
19	.8427624212E+00	.1285981299E+01	.1008482698E+01	.2108219531E+01	.3491228809E+00	.8909770892E-01	.1910368947E+01	.1612810184E+01	69
20	-.2250263446E+00	.1717898946E+01	.2158300379E+01	.2156388487E+01	.9083193702E+00	.1283859782E+01	.1657588055E+01	.2274353094E+00	70
21	.1554305562E+01	-.2406058049E+01	.8750908145E+00	.2008378330E+01	.9756772488E+00	.2324448068E+01	.2195172251E+01	.9717829919E+00	71
22	.2306405173E+01	.2554188145E+00	.2469690969E+01	.6629999237E+00	.1315918979E+01	.2106926039E+01	.1361194838E+01	.1827441891E+01	72
23	.1454642235E+01	.7014944056E+00	.2956192008E+01	.2199367368E+01	.2396922874E+01	-.3074549840E+01	.1482562351E+01	.1260501393E+01	73
24	.2762345712E+01	.1321663552E+01	.2818115253E+01	.9025568591E+00	.1741675783E+01	.4048306749E+00	.3945668735E+00	.2173769769E+01	74
25	.1995690514E+01	.1337243351E+01	.2216856275E+01	.9674824500E+00	.1897776385E+01	.1104215683E+01	.8462216366E+00	.1387483192E+01	75
26	.4216019732E+00	.1995354766E+01	.4140091334E+00	.1010199513E+01	.1870392747E+01	.8085185314E+00	.1801600093E+01	.2247515444E+01	76
27	.1473548986E+01	.2757433666E+01	.6787576743E+00	.2016242869E+01	.1516371075E+01	.1633138026E+01	.2907664709E+01	.1711671988E+01	77
28	.2006468058E+01	.1249266916E+01	.1281146342E+01	.3025987045E+01	.1768798952E+01	.1959085461E+01	.2322781172E+01	.2412294538E+01	78
29	.2086426086E+00	.1943684775E+01	.1755724231E+01	.2248892510E+01	-.2670578736E+00	.2054458116E+01	.1719631639E+01	-.1233346957E+00	79
30	.1863441002E+01	.9131903447E+00	.2220826207E+01	.9058177889E+00	.1545025671E+01	.9984326770E+00	.9999902362E+00	.3371804465E+00	80
31	.1838747493E+01	.1867157676E+01	.2053508421E+01	.5603674256E+00	.1729914993E+01	.2311944641E+01	.3741684639E-01	.2331714533E+01	81
32	.2672464257E+01	.5608304648E+00	.1164696897E+01	.9911317665E+00	.2541679327E+01	.2711519256E+01	.1698975267E+01	.1707217568E+01	82
33	.2492923226E+01	.5863369367E+00	.2322271044E+01	.1424926571E+01	.1949375967E+01	.4284653073E-01	.2631899649E+01	.2181616116E+01	83
34	.1889566906E+00	.2838183431E+01	.1595820396E+01	.2978448014E+01	.2763021069E+01	.1188505612E+01	.3578509402E+00	.2701652665E+01	84
35	.1124541111E+01	.1937258405E+01	.5860947141E+00	.3411309336E+00	-.3455852505E+00	.8081634237E+00	.2327487094E+01	.1573744025E+01	85
36	.6354406990E+00	.2843486929E+01	.1831880098E+00	.2375638228E+01	.1277996723E+01	.2042954365E+01	.1582219830E+01	.2582258266E+00	86
37	.1969545927E+01	.1421589876E+01	.2642383345E+01	.2724796977E+01	.1638483592E+01	.1545417251E+01	-.3004628284E+01	.1413831931E+01	87
38	.2800412521E+01	-.1087827810E+00	.9852924679E+00	.1374409608E+01	.1998374402E+01	-.3057822618E+01	.1012145714E+01	.1762993671E+01	88
39	.1215591228E+01	.5319626189E+00	.2790798878E+01	.6792247585E+00	.1296947636E+01	.1897875061E+01	.2983371182E+00	.1563338194E+01	89
40	.1777226206E+01	.2840405152E+01	.3065512544E+01	.9764858235E+00	.1187404530E+01	.6907244502E+00	.1068659006E+01	.8924100879E+00	90
41	.2365811648E+01	.1912931382E+01	.2704006232E+00	.9128288684E+00	.2649438652E+01	.4308913435E+00	.1469901676E+01	.1515450528E+01	91
42	.8923796682E+00	.9314209794E+00	.9566232491E+00	.2148611808E+01	.2523578604E+01	.2191432869E+01	.1941422218E+01	.2974032842E+01	92
43	.8001538277E+00	.2409531493E+01	.6792219777E+00	.1954562464E+01	.1182797271E+01	.1695716326E+01	.2138191643E+01	.2717140603E+01	93
44	.1574298394E+01	.2229293719E+01	.2737022229E+01	-.3105417268E+01	-.9146678266E-01	.7485376247E+00	.2956876828E+01	.7497283613E-01	94
45	.5470836806E+00	.1545176129E+01	.1059069490E+01	.1235549195E+01	.1898443845E+01	.1160819511E+01	.4064496124E+00	.1574730662E+01	95
46	.2420797902E+01	.8078381836E+00	.1714783270E+01	-.3426181737E+00	.5891442662E+00	-.2902547509E+01	.1581230043E+01	.8968485994E-01	96
47	.2831603846E+01	.8875233063E+00	.1722345935E+01	.2268611641E+01	.1751004997E+01	.1986521018E+01	.1516804648E+01	.1667764964E+01	97
48	.2477981418E+01	.1136802598E+01	.3013480404E+01	.1830943612E+01	-.2639266117E+01	.1826037916E+01	.1353797396E+01	.2415203606E+01	98
49	-.3664062961E+00	.1597233019E+01	.9583020105E+00	.6531680302E+00	.1630088356E+01	.3922208676E+00	.4061210745E+00	.2630366075E+01	99
50	.1558840717E+01	.2468726525E+01	.1411073620E+01	.1828655732E+01	.1105296851E+01	.3578607874E+00	.2280418501E+01	.1189332566E+01	00

	1201- 1250	1251- 1300	1301- 1350	1351- 1400	1401- 1450	1451- 1500	1501- 1550	1551- 1600	
01	.1969478823E+01	-.5715068372E+00	.2670268784E+00	.2199581042E+01	.1079420374E+01	.2867485418E+01	.2305412000E+01	.1415355595E+01	51
02	.1494545654E+01	.1562344059E+01	.1597102943E+01	.2641931315E+01	.3012911030E+01	.1435517654E+01	.2815918143E+01	.2563602764E+01	52
03	.9710436335E+00	.1070231381E+01	.1296114461E+01	.1391693339E+01	.1474644856E+01	.1513123649E+01	.2330577792E+01	.1008510970E+01	53
04	.1498336586E+01	.2530776683E+01	.1978733716E+01	.1904353707E+01	-.2822035680E+01	.2447325189E+01	.1176577097E+01	.2411101030E+01	54
05	.3633265338E+00	.2116211256E+01	.2839696412E+01	.1877398402E+01	.3871319104E+00	.1288159410E+01	.4599867300E+00	.1516518060E+01	55
06	.2053740843E+01	.1454368968E+01	.2384557553E+01	.1838371867E+01	.8863101366E+00	.1234096201E+01	.3883092278E+00	.3045966214E+00	56
07	.2140522965E+01	.1742405257E+01	.9589752329E+00	.1184771774E+01	.8041805076E+00	-.3781399228E-01	.2440660260E+01	.9227487214E+00	57
08	.1682449269E+01	.2360602577E+01	-.5385737513E+00	.2221014690E+00	.1297619924E+01	.1695657449E+01	.1407704186E+01	.1448312095E+01	58
09	-.2721524821E+01	.8419653080E+00	.1749195991E+01	.1372884756E+01	.2929952345E+01	.1923714317E+01	.2314163239E+01	.1941130671E+01	59
10	-.1353350745E+00	.8755367399E+00	.2156838906E+01	.2019356848E+01	.1195801278E+01	.2348249349E+01	.1069536063E+01	.2868505228E+01	60
11	.6637208791E+00	.1367221661E+01	.2152939959E+01	.1145110921E+01	.1238705689E+01	.2350444007E+01	.1955585665E+01	.2262006608E+01	61
12	.1081158368E+01	.1129782602E+01	.8737841455E+00	.3124178362E+01	.2677762902E+01	.2392866367E+01	.2814917731E+01	.1480963501E+01	62
13	.2715837109E+01	.1522766964E+01	.1855371044E+01	.2829060103E+01	.2419166863E+01	.1027213468E-01	.1373555291E+01	.5904506022E+00	63
14	.1171203847E+01	.2502920730E+01	.3073720415E+01	.1317602759E-02	.2675879792E+00	.7280157713E+00	-.1726970006E+00	.6687101921E+00	64
15	.1772103080E+01	-.2809501296E+01	.8139723181E+00	.1673384461E+00	.1255659661E+01	.1545428966E+01	.1255585704E+01	.1459266421E+01	65
16	.2375831113E+01	.2936624175E-01	.1737367498E+01	.2490753221E+01	.1175471190E+01	.2581516785E+01	.1838608557E+01	.2605480261E+01	66
17	.1712865954E+01	.1239272573E+01	.6148565042E+00	.1521739520E+01	.2943005157E+00	.6024023278E+00	.1330368815E+01	.9647493195E+00	67
18	.1709056586E+01	.1008914403E+01	.6142622590E+00	.1364391824E+01	.2682607689E+01	.1538954868E+01	.1911016125E+01	.8629448984E+00	68
19	.1218091108E+01	.1610551748E+01	.1806464175E+01	.1826361090E+01	.2781247162E+01	.2709648330E+01	-.2657313331E+01	.2868659965E+01	69
20	.5145787865E+00	.2036722565E+01	.1888691845E+01	.1392719887E+01	.2529093401E+01	.2102273363E+01	.1099201065E+01	.2975168681E+01	70
21	.1040036093E+01	.7951917202E+00	-.3076546724E+01	.2963156406E+01	.8446865538E+00	.2051318373E+01	.6572294402E+00	.8182664873E+00	71
22	.1447860503E+01	.2594359890E+01	.2046454332E+01	.1688292035E+01	.7360004091E+00	.2781226018E+00	.1094368118E+01	.1071437019E+01	72
23	.2567587069E+01	.1861523100E+01	.2891567014E+00	.1186047402E+01	.1341519853E+01	.1143064311E+01	.1863097912E+01	.9958756228E-01	73
24	.3025447133E+01	.2221155286E+01	.1433184304E+01	.3585244131E+00	.1833023261E+01	.5158706632E+00	.1475022247E+01	.1796339763E+01	74
25	.1379776383E+01	.1384567178E+01	.1280800851E+01	.9573779724E+00	.1217843769E+01	.1940180652E+01	.8881383565E+00	.1445610665E+01	75
26	.8095977913E+00	.5623528151E+00	.1520248733E+01	.1292123043E+01	.9989137034E+00	.2297916494E+01	.1842745445E+01	.2527699622E+01	76
27	.1327429608E+01	-.4679728399E-01	.1249774252E+01	.2562810842E+01	.2524787346E+01	.2864394757E+01	.2167637496E+01	.2710345849E+01	77
28	.4242797798E+00	.1832154128E+01	.2116638893E+01	.3045633465E+01	.1897861707E+01	.1607498377E+01	.2807573213E+01	.1425093043E+01	78
29	.2373147522E+01	.3059793848E+01	.1409288017E+01	.5668954709E+00	.2429332725E+01	.5398212735E+00	.1569907891E+01	.1226753735E+01	79
30	.1860555526E+01	.1736819059E+01	.1980411235E+01	.2594996253E+01	.1902069601E+01	.2138282435E+01	.8655900092E+00	.4256778962E+00	80
31	.9186051474E+00	.2378081838E+01	-.3007550066E+01	.3972831229E+00	-.7091228117E+00	.7806291889E+00	.2142992866E+00	.2627327356E+01	81
32	.1548862927E+01	.1622958196E+01	-.4837011076E-01	.1266970970E+01	.1018213842E+01	.1221639866E+01	.9237615415E+00	.4506118938E+00	82
33	-.2675216882E+01	.2368245288E+00	.5163844011E+00	.1730869619E+01	.2059108470E+01	.1852374542E+01	.1842179750E+01	.1063268644E+01	83
34	.1542747115E+01	.1441980610E+01	.1478185602E+01	.1525477907E+01	.2056162886E+01	.1008525012E+01	-.2992468599E+01	.2426623399E+01	84
35	.4490636631E-01	.1886853389E+01	.1552079058E+01	.8671154380E+00	.2245599124E+01	.2035418003E+01	.1012746140E+01	.1488379767E+01	85
36	.7987463455E+00	.1385334064E+01	.2450272355E+01	.1911861817E+01	.1763365575E+01	.2245646378E+01	.2365454456E+01	.2387223835E+01	86
37	.1788568669E+01	.6556797263E+00	.1956823778E+01	.2788817788E+01	.2128964516E+01	-.3021382949E+01	.1720736140E+01	.3043666264E+01	87
38	.1158111362E+01	.2396166934E+01	.2292717601E+01	.2776262178E+01	.1045338419E+01	-.3601167746E+00	.9661726971E+00	.1253237005E+00	88
39	.3002606043E+01	.2199751043E+01	.1202355351E+01	.2361837864E+00	.8418868573E+00	.1126214146E+01	.1141716235E+01	.2563888134E+00	89
40	.1841388929E+01	.3139798791E+01	.1210196936E+01	.4013320572E+00	.1975014177E+01	.6542212430E+00	.1640248937E+01	.1124345020E+01	90
41	.2283852553E+01	-.7644829081E-01	.4302746831E+00	.1157601481E+01	.6786006759E+00	.2213510799E+01	.7659826244E+00	.2443157865E+01	91
42	.3457276248E+00	.8272098261E+00	.2754598399E+01	.2188274520E+01	.1708331902E+01	.2150917915E+01	.1425724410E+01	.1689292132E+01	92
43	.1185181476E+01	.1452690766E+01	-.1508354580E+00	.1618719677E+01	.7255296992E+00	.1807476328E+01	.2155455506E+01	.2250501522E+01	93
44	.2402160405E+01	.1356750303E+01	.1844527018E+01	.2117502094E+01	.2661909005E+01	.1601125135E+01	.2382157565E+01	.1037778010E+01	94
45	.2605352170E+00	.1395126059E+01	.2184017118E+01	.2374269761E+01	-.2567288074E+01	.2634058111E+01	-.3079124796E+01	.2787248582E+01	95
46	.1337672227E+01	-.2890742093E+01	-.3123362919E+01	.1333495655E+01	.6650103434E+00	-.2437471118E+00	-.4872661406E+00	.1256779926E+01	96
47	.2089189388E+01	.1247980720E+01	.1922041344E+01	.9199132206E+00	.4319309534E+00	.2617449255E+01	.7177163407E+00	.9428613470E+00	97
48	.2415442977E+01	.1748574517E+01	.5201379686E+00	.2291641896E+01	.1355449816E+01	.1358769574E+01	.2133878826E+01	.1492180185E+01	98
49	.2482435270E+01	.1351737969E+01	.9735263688E+00	.5500520237E+00	.1130517544E+01	-.1649134243E-01	.8338975330E+00	.1037049446E+01	99
50	.1791376216E+01	.1746023052E+01	.2463541314E+00	.8589526002E+00	.1467931649E+01	.1576685026E+01	.2465069449E+01	.3347946481E+00	00

	1601- 1650	1651- 1700	1701- 1750	1751- 1800	1801- 1850	1851- 1900	1901- 1950	1951- 2000	
01	.2282019669E+01	.9140298028E+00	.7751428434E+00	.1843769112E+01	.7931890420E+00	-.9149154606E-01	.1914769899E+01	.2692678437E+01	51
02	-.3107141708E+01	.2275309423E+01	.2114112101E+01	.2535250406E+01	.9543973150E+00	.1478675233E+01	.1793444416E+01	.1778997549E+01	52
03	.2682927689E+01	.2149723565E+01	.2185815404E+01	.1361533648E+00	.1621991020E+01	.2013435268E+01	-.2813878682E+00	.1172136928E+01	53
04	.4146177151E+00	.1909107615E+01	-.2610639457E+01	.2698776727E+01	.2239491607E+01	.2106817619E+01	.1658779180E+01	-.3976907739E-01	54
05	.1225693421E+01	.1064239481E+01	-.1042177541E+00	.2706156794E+01	.1955037884E+01	.1169646599E+01	.1238317507E+01	.1471258843E+01	55
06	.8573814790E+00	.1992012446E+01	.1194676568E+01	.1370762452E+01	-.2842764474E+01	.2006601792E+01	.1531391714E+01	.1179684501E+01	56
07	.1020964007E+01	-.3118542436E+00	.1138163501E+01	.1112797012E+01	.3292397758E+00	.1425284574E+01	.2458606515E+01	.2991419960E+01	57
08	.2476535664E+01	.1039911536E+01	.1765592078E+01	.1264924331E+01	.9450555725E-01	-.3022054915E+01	.2768623139E+01	.8821065639E+00	58
09	.1667324319E+01	.2367087021E+01	.1049280466E+01	.3679503345E+00	.1763536388E+01	.3004226696E+00	.2104724479E+01	.1642351326E+01	59
10	.1083284728E+01	.1855687816E+01	.2342729028E+01	.1244081106E+01	.2152096507E+01	.1340744110E+01	.3790220937E+00	.2481380270E+01	60
11	.2650507196E+01	.3036697951E+01	.1524408975E+01	.1400291934E+01	.1073548863E+01	.7365377937E+00	.5162376392E+00	.2244602993E+01	61
12	.1724348916E+01	.1918372879E+01	.1575551781E+01	-.2341352026E+01	.1517137248E+01	.1289096539E+01	.1144510912E+01	.1497253540E+01	62
13	.2379757145E+01	.7926029388E+00	.2832371161E+01	.1790813691E+01	.2031479189E+01	.1442352729E+01	.2773784514E+01	.2089601328E+00	63
14	-.2395030120E+00	.9515673288E+00	.1597884337E+01	.1717666904E+01	.2293058925E+01	.2099657149E+01	.1089655156E+01	.3826093994E+00	64
15	.1092327441E+01	.1102607569E+01	.7615074881E+00	.1014737704E+00	.1703235346E+01	-.2531913468E+01	.1048736711E+01	.2380293884E+01	65
16	.8099113260E+00	.1467856840E+01	.2385536174E+00	.1786593496E+01	.2299829639E+01	.9471225053E+00	.2065024501E+01	.8001515870E+00	66
17	.2655996679E+01	.2159007368E+01	.8268618279E+00	.9595079245E+00	-.6614235922E-01	.8253174794E+00	.3021026172E+01	.2577947970E+01	67
18	.1957817816E+01	.1168169976E+01	.2572996396E+01	.2063034984E+01	.9419845891E+00	.1558682647E+01	.1561643077E+01	.2959984867E+01	68
19	.2119256782E+01	.1556602622E+01	.2274193991E+01	.1060532515E+01	.1191498130E+01	.5454219526E+00	.1485455924E+01	.2135607197E+01	69
20	.2761889384E+01	.1888981261E+01	.2331097291E+01	.2073530881E+01	.1244288713E+01	.2328965020E+01	.6192284303E+00	-.1637040392E+00	70
21	-.1603817861E+00	-.2691341283E+01	.1721299950E+01	.1390437851E+01	-.2920172494E+01	.9779543499E+00	.4345942632E+00	.1230655373E+01	71
22	.1303047216E+01	.3367864393E+00	.1775564039E+01	.2738861622E+01	.2146237514E+01	.1687872940E+01	.6612150279E+00	.2285023892E+01	72
23	.1790937986E+01	-.1964722336E-01	-.3185593368E+00	.2603593820E+01	.1567307298E+01	.1995937005E+01	-.3109017408E+01	.7968491410E+00	73
24	.1701681447E+01	.2031382227E+01	.1595151841E+01	-.1785289691E+00	.1541657208E+01	.2077451196E+01	.2048571013E+01	.1605769794E+01	74
25	.7886723487E+00	.7215811551E+00	.2615966382E+01	.2130748410E+00	.8160644910E+00	.2768985992E+01	.2678840318E+01	.1315921536E+01	75
26	.1537235520E+01	.2082499747E+01	.5135461614E+00	.1842113016E+01	.1207730891E+01	.1132702896E+01	.1044540209E+01	.2094815454E+01	76
27	.2070557038E+01	.2726331035E+01	.1400773250E+01	.2091812343E+01	.1257623097E+01	-.7886296755E-01	.1570037708E+01	.2082413043E+01	77
28	.2773851483E+01	.2134316939E+01	.1861057720E+01	.1215330962E+01	.2230277728E+01	.4843943413E+00	.9697305036E+00	.2825043793E+01	78
29	.2320383118E+01	.1719115788E+01	.2876407143E+01	.2925246227E+01	.1381221883E-01	.2097930049E+01	.1431291895E+01	.1234424529E+01	79
30	.2990254672E+00	.5949424482E+00	.2620363635E+01	.2135233288E+01	.2162802501E+01	.2463433484E+01	.1282582445E+01	.2564972216E+00	80
31	.8818745974E+00	.1586560038E+01	.5631886359E+00	.1251249748E+01	.3073496131E+01	.2017374459E+01	.1133482706E+01	.4637955725E+00	81
32	.1035260444E+01	.1614779278E+01	.5381306277E+00	.9547434963E+00	.2839304873E+01	.1283488630E+01	.2063070761E+01	.1694804933E+01	82
33	.8514737129E+00	.1165421236E+01	.8968132190E+00	.1361602155E+01	.4936872578E+00	.2956171366E+01	.1092854456E+01	.1355738420E+01	83
34	.2693194715E+01	.6128921164E+00	.1702660113E+01	.1860348451E+01	.5051842911E-01	.5250449444E+00	.2473332520E+01	-.2748016032E+01	84
35	.2873324950E+01	.1540267208E+01	.1629196941E+01	.4824390172E+00	.1718295811E+01	.1126731459E+01	-.2617327568E+01	.1014050487E+01	85
36	.8406332209E+00	-.2986040245E+01	.2621632405E+01	.1390364729E+01	.9241457661E+00	.1936202067E+01	-.9166264608E+00	.2053439555E+01	86
37	.2077877917E+01	.1744404444E+01	.2159188267E+01	.1862447924E+01	.2274200420E+01	.1114244051E+01	.1500981487E+01	.2161748395E+01	87
38	.1872374588E+01	.2625772224E+01	.1243483393E+01	.2478781688E+01	.2300838079E+01	.7256931327E+00	.8464089998E+00	.4912448921E+00	88
39	.5696595007E+00	.3186218989E+00	.1409168839E+01	-.3114583971E+01	.1713652958E+01	.1588524965E+01	.1965250362E+01	.1166822480E+01	89
40	.1619611770E+01	.1825112548E+00	.2043206080E+01	.5071188848E+00	.2208922911E+01	.2127661246E+01	.1820228211E+01	.2023367100E+01	90
41	.8088541178E+00	.1238336061E+01	.7332648298E+00	.1312860601E+01	.9966363441E+00	.3133348844E+01	.2055486776E+01	.5742679740E+00	91
42	.1631319541E+01	.2154909284E+01	.6864510185E+00	.2437328457E+00	.1445448864E+01	.2319151248E+01	.2084797505E+01	.1180976126E+01	92
43	.1461910089E+01	.2550381173E+01	.1616596896E+01	.7786338529E+00	.1960846137E+01	-.2947453397E+00	.1700141459E+01	.2169001613E+01	93
44	.2037046390E+01	.1019700970E+01	.1827868343E+01	.2816265112E+01	-.7459944328E-02	.1192076611E+01	.1761247618E+01	.2630277655E+01	94
45	-.2685681514E+01	.2157161454E+01	.1458236165E+01	.2299509838E+01	.9399176823E+00	.1519816667E+01	.7441630722E+00	.3115519431E+01	95
46	.1285697903E+01	.2228618279E+01	-.3009855002E+01	.1459249397E+01	.2436727600E+01	.6990842255E+00	.1979153149E+01	.2451471591E+00	96
47	-.1457829706E+00	.1257503741E+01	.2452623461E+01	.8448861781E+00	.2137658141E+01	.2416528250E+01	.7425943599E+00	.7565987715E+00	97
48	.7779506231E+00	.1470665980E+01	-.8320734841E+00	-.2948186479E+01	.2200763492E+01	.2634329508E+01	.3356997539E+00	.7787919662E+00	98
49	.2038820490E+01	.2658838226E+00	.1660976819E+01	.1043183728E+01	.2794718492E+01	.6432224437E+00	.1897064381E+01	.1882174710E+01	99
50	.2207828875E+01	.1817985855E+01	.1050864374E+01	.1204048686E+01	.6092843656E+00	.2475656492E+01	.2851321515E+01	.1947971132E+01	00

	2001- 2050	2051- 2100	2101- 2150	2151- 2200	2201- 2250	2251- 2300	2301- 2350	2351- 2400	
01	.1240669368E+01	.8220884259E+00	.1272807683E+00	.2574919730E+01	.2269475005E+01	.9360428835E+00	.1204639660E+01	.1988994600E+01	51
02	.2656661148E+01	.1242468245E+01	.1399502795E+01	.1870210406E+01	.1284660842E+01	.1357989097E+01	.1836551789E+01	.2835637790E+01	52
03	.1585214854E+01	.1345765851E+01	.1687576337E+01	.7828910304E+00	.2614403683E+01	.2131268993E+01	.1202127509E+01	.2576229063E+01	53
04	.1485970391E+01	.2736458682E+01	.1642718642E+01	.1518801826E+01	-.2940486792E+01	.2720846147E+01	.1163638958E+01	.2118564489E+01	54
05	.2325599245E+01	-.2893453255E+01	.2192689513E+01	.1089168157E+01	.4453938248E-01	.8558410381E+00	.3695054955E+00	-.4396038709E+00	55
06	.1022646109E+01	.1000607898E+01	.6539677974E+00	.3194033574E+00	-.1481261962E+00	.1301531668E+01	.1306551803E+01	.1681183321E+01	56
07	.3266212557E-01	.5407858599E+00	.3041208155E+01	.1986166350E+01	.2067694254E+01	-.2855059050E+01	.2857110097E+01	.4515847499E+00	57
08	.1065086016E+01	.1466978779E+01	.1995246549E+01	.2058397589E+01	.1545190728E+01	.6151747482E+00	.1960314798E+01	.1950954738E+01	58
09	.2183111489E+01	.4607657129E+00	.5910701981E+00	.2765245331E+01	.2177557979E+01	.1436159978E+01	.2670534820E+01	.2284967107E+01	59
10	.2188856984E+01	.1946849296E+01	.2553493726E+01	.2884995302E+01	.1155452930E+01	.5005344353E+00	.2026636337E+01	.1841831522E+01	60
11	.1789991904E+01	.2377234468E+01	-.4880103486E+00	-.1550163663E+00	.2054833997E+01	.1633247443E+01	-.3285620345E+00	.1888050831E+01	61
12	-.3000710224E+01	.1382333656E+01	.1444022234E+01	.1027411068E+01	.1971119717E+01	.1028102295E+01	.7562690572E+00	.1233061173E+01	62
13	.5487950722E+00	.1358368145E+01	.8643345923E+00	.1600737879E+01	.2312734234E+01	.1535728511E+01	.1452400316E+01	.2420396265E+01	63
14	.1004384153E+01	.2271384822E+01	.3129938501E+01	.1352789722E+01	.1369408991E+01	-.2828886785E+01	.2653081941E+01	.1936432449E+01	64
15	.3360903182E+00	.2811227813E+01	.2495022415E+01	.1484074327E+01	.7214101558E+00	.2647235172E+01	.1478108255E+01	-.1706710272E+00	65
16	.2201671460E+01	.6706735890E+00	.1967109350E+01	.1913990584E+01	.1439289675E+01	.8498469833E+00	.1142890458E+01	.1216664455E+01	66
17	.2049963388E+01	.7592609473E+00	.1853112528E+01	.1910367218E+01	-.1836732706E+00	.3696107701E+00	.2055098368E+01	.1615140028E+01	67
18	.1167950936E+01	.4319383677E+00	.3079923128E+00	.1386274898E+01	.1817407366E+01	.6557784584E+00	.2669704434E+01	.1124901537E+01	68
19	.1017697589E+01	.1569248196E+01	.4544901869E+00	.2451798427E+01	.2713006708E+01	.2529907738E+01	.1636291034E+01	.2417535308E+01	69
20	.2401180376E+01	.2371146646E+01	.2361663799E+01	.2410817837E+01	.2935409180E+01	.1461138733E+01	.1275911480E+01	.2145454761E+01	70
21	-.3067467275E+01	.1866776305E+01	.1459347715E+01	.2975436814E+00	.1917504616E+01	.1127387110E+01	.6424526886E+00	-.2948120657E+01	71
22	.1279319579E+01	.2622554754E+01	.1719092307E+01	.8690490774E-01	.8244565022E+00	.1834522679E+01	.6436724217E+00	.7798544195E-01	72
23	.1039069821E+00	.2218191229E+01	.1189783734E+01	.1588597588E+01	.1536008551E+01	.2459581872E+01	.1721302119E+01	.7616720718E+00	73
24	.1645162874E+01	.1608941895E+00	.1561068699E+01	.1865042877E+01	.4146566001E+00	.1730242867E+01	.1170786213E+01	.1477617156E+01	74
25	.3836906257E+00	.1050684128E+01	-.3114439060E+01	.1483980786E+01	.1344332042E+01	.2217993265E+01	.2401183378E+01	.1238172160E+01	75
26	.1457498138E+01	.1537847354E+01	.2399427912E+01	-.2971346902E+01	.2447313282E+01	.1433590806E+01	-.2644636209E+01	.2415252177E+01	76
27	.2629117549E+01	.2322658850E+01	-.1625414967E+00	.1448386941E+01	.9983486298E+00	-.4277642376E+00	.9486076101E+00	.7145100573E+00	77
28	.2928036449E+01	-.1339671191E+00	.7179017145E+00	.2197481482E+01	.1427747570E+01	.1023917525E+01	.9654146415E+00	.1564231273E+01	78
29	.1305229519E+01	.1702676693E+01	.1644580234E+01	.1778277851E+00	.2220560312E+01	.1766620311E+01	.1162305857E+01	.2611856040E+01	79
30	.1795452536E+01	.2978365196E+01	.1253701401E+01	.1166301281E+01	.2409299503E+01	.2475448352E+01	.1488795792E+01	.2524235055E+01	80
31	.6720863812E+00	.1533056174E+01	.1573924013E+01	.1766717991E+01	.2636356227E+01	.2170764462E+01	.1197865198E+01	.1460854309E+01	81
32	.1668634321E+01	.3106209996E+01	.2872079758E+01	.1954690380E+01	.4400220488E-01	.2196614253E+01	.1337707343E+01	.1181394520E+01	82
33	.1505569976E+01	.9137640588E+00	.2608655636E+01	.3274472457E+00	.2157374480E+00	.1865362147E+01	.2218630809E+01	.6305977082E+00	83
34	.3987711838E+00	.3897659070E+00	.5544119180E+00	.1763023673E+01	.1591072096E+01	.6341638284E+00	.6384384985E+00	.1597307384E+00	84
35	.2130899336E+01	.6842691009E+00	.1811782464E+01	.1791864216E+01	.1568698849E+01	.1528593416E+01	.2596259860E+01	.1699494675E+01	85
36	.1081925201E+01	.1431483590E+01	.1026545532E+01	-.2439993261E+01	.2402361362E+01	.3944357579E+00	.3115846242E+01	.2513917999E+01	86
37	.2879701692E+01	.1934218452E+01	.1737685802E+01	.1246269201E+01	.1205743457E+01	.2499879672E+01	.1519396729E+01	.2943936541E+01	87
38	.2032770459E+01	.2785272909E+01	.8975142276E+00	.1081657975E+01	-.3036490376E+01	.1199653834E+01	-.1813952969E+00	.1209558082E+01	88
39	.2826770557E+01	.1823794473E+01	.1160350009E+01	.1929639201E+00	.1527581687E+01	.7335512663E+00	.9513784625E+00	.2176614050E+01	89
40	-.5713513621E+00	.1386713056E+01	.1361323312E+01	.1093641674E+01	.5123489075E+00	.2350971519E+01	.8022414999E+00	.1205715271E+01	90
41	.3374872035E+00	.1837961248E+01	.2685218928E+01	.1678614392E+01	.1373236206E+01	.2070568291E+01	.2616639263E+01	.3744534528E+00	91
42	.2030536200E+01	.1665833172E+01	.2165888374E+01	.1870965946E+01	.2292189938E+01	-.2568639371E+01	.2127270610E+01	.2079972482E+01	92
43	.2080114637E+01	.5467551775E+00	.2761964689E+01	.2933414666E+01	.2389018266E-01	-.8970172777E+00	.2004447524E+01	.1189655789E+01	93
44	.1788836221E+01	.1351156590E+01	.4747364595E+00	.1095938107E+01	.1703751219E+01	.1719391916E+01	.1734567234E+01	.1275845944E+01	94
45	.1863570522E+01	.1461624056E+01	.7339593218E+00	.2286471268E+01	.1391893514E+01	.1101812710E+01	.2318820604E+01	.1522643778E+01	95
46	.1772407837E+01	.1254148524E+01	-.8490431274E-01	.9897275817E+00	.2285751378E+01	.1094711855E+01	.2212908003E+00	.1813608809E+01	96
47	.2418094534E+01	.1215812817E+01	.1931758742E+01	.1938404037E+01	.2751417971E+01	.1353518669E+01	.1179105277E+01	.1779267575E+01	97
48	.6204254292E+00	.3051702930E+01	-.2995328889E+01	.1117801253E+01	.2441966103E+01	-.3055166542E+01	.2458980417E+01	-.2371664139E+01	98
49	.2011565984E+01	-.2978925498E+01	.1148308034E+01	.3515108364E+00	.5887597456E+00	.1511062878E+01	.5255567668E+00	.4879690768E+00	99
50	.9411249958E+00	.4538595777E+00	.1507613349E+01	.1420061491E+01	.5154394495E+00	.2088426533E+01	.6638431881E+00	-.1902492905E+00	00

	2401- 2450	2451- 2500	2501- 2550	2551- 2600	2601- 2650	2651- 2700	2701- 2750	2751- 2800	
01	.7796922961E+00	.2069550858E+01	.5216920130E+00	.1037369963E+01	.2901372181E+01	.1204839894E+01	.2837655718E+01	.8278674158E+00	51
02	.2821504635E+01	.1575999186E+01	.2235544919E+01	-.3971749673E+00	.2202083246E+01	.1970828390E+01	-.2951399183E+01	.2468989918E+01	52
03	.6247316635E+00	.7067573822E+00	.1846114215E+01	.1075035904E+01	.1056617481E+01	.9656487562E+00	.4384253014E+00	.2367226209E+01	53
04	.2634118053E+01	.1340398323E+01	.2783930165E+01	.2394029533E+01	.5958664244E+00	.6803844475E+00	.7366319939E+00	.2208110061E+01	54
05	.2346585110E+01	.1682252605E+01	.2653031411E+01	.2272039166E+01	.2375750758E+01	.2547105077E+01	.4678345316E+00	.1706601106E+01	55
06	.1610480160E+01	.9476107428E+00	.8585028901E-01	.2114765070E+01	.1055959313E+01	.3128474182E+01	.1495777785E+01	.2383617985E+01	56
07	.1685021002E+01	.8506311357E+00	-.2780882025E-01	.1727213996E+01	.8140890414E+00	.2248136675E+01	.2019149377E+01	.3241917641E+00	57
08	.1265525229E+01	.1592518603E+01	.1605651238E+01	.1584236488E+01	.1275211005E+01	.5999745091E+00	.2070431859E+01	.8456871421E+00	58
09	.1725936224E+01	-.2228263186E+01	.1721820369E+01	.2022526719E+01	.2096115618E+01	.7024887338E+00	.2173316621E+01	.2002140637E+01	59
10	.9748826662E+00	.2362439522E+01	.2525445554E+01	.4122266563E+00	.1411147878E+01	.1116774258E+01	.2399891497E+01	.1639774727E+01	60
11	-.2307198948E+00	.1387468544E+00	.1350976663E+01	.2010954527E+01	.2725356594E+01	.4277364367E+00	.1223408193E+01	.7397821222E+00	61
12	.2407855586E+01	.1106217567E+01	.1347107916E+01	.4545567922E-01	.2998584204E+01	.1886851905E+01	.7541540485E+00	.1517002052E+01	62
13	.1553623048E+01	.8394315237E+00	-.2983434523E+01	.2260314392E+01	.5675736490E+00	-.2710438597E+01	.1392028855E+01	.1992592785E+01	63
14	.2761871990E+01	.1233316436E+01	.2737079127E+00	.1113245749E+01	.4111925807E+00	.1251160574E+01	.2256883935E+01	.2116359032E+01	64
15	.2927173247E+01	.2294324124E+01	.2164709411E+01	.1690643690E+01	.3374493662E+00	.1641272853E+01	-.2977608884E-01	.2656917149E+01	65
16	.1078474607E+01	.1747192484E+01	.1427925835E+01	.2675230086E+01	.1980201993E+01	.2231051947E+01	.1242414801E+01	.2139296167E+00	66
17	.1212806729E+01	.2080398420E+01	.8161193591E+00	-.2697815398E+01	.2291445647E+01	.9649893539E+00	.2175504059E+01	.3387395368E+00	67
18	-.1107345468E+00	.1175530336E+01	.5651869371E+00	-.4704708911E+00	.2159857523E+01	.1732932432E+01	.2513503649E+01	.1590633072E+01	68
19	.1513613568E+01	.2666528924E+01	.1289755654E+01	.8788313620E+00	.1177815571E+01	.6561273760E+00	.1863862489E+01	.6597159579E+00	69
20	.1817644834E+01	.1092743845E+01	.2757741459E+01	.1605641738E+01	.1696924172E+01	.1140138604E+01	.2989918754E+01	.2246185594E+01	70
21	.2710884625E+01	.2124553187E+01	.2390634333E+01	.1169071866E+01	.2965505541E+01	.1393628963E+01	.5908413335E+00	.1433035897E+01	71
22	.4302068626E+00	-.1928391707E+00	.2836944184E+01	.1914520888E+01	.7741588914E+00	.1604429080E+01	-.3192181680E-01	.2948828092E+01	72
23	.1900315123E+01	.4378577958E+00	.9110988897E+00	.1865192606E+01	.8427286668E+00	.2466205638E+01	.1249092097E+01	.9946244825E+00	73
24	.2698150235E+01	.2433893152E+01	.1660992341E+00	.1889841705E+01	.2101705738E+01	.2361883016E+01	.1610962481E+01	.1555548660E+01	74
25	.2387108312E+01	.2149093750E+01	.1692181257E+01	.1657021589E+01	.4196308536E-01	.2959199062E+01	.2016540403E+01	.2229841599E+01	75
26	.7675367782E+00	.1533370673E+01	.9710640204E+00	.2257092640E+01	.1047206631E+01	-.9653832906E+00	.2554400185E+01	.9758892936E+00	76
27	.9012889172E+00	-.3082945668E+01	.1365922941E+01	.1584671325E+01	.2512760701E+01	.1184736866E+01	.5308433917E+00	.1235906663E+01	77
28	.7979684967E+00	.1980570087E+01	.2847990094E+01	.1549240067E+01	.1742179447E+01	.1368840683E+01	.2599625750E+01	.6354015398E+00	78
29	.1076917969E+01	.8344484698E-01	.9620283744E+00	-.4605579405E+00	-.2458581603E+01	.2326335345E+01	.2040957011E+01	.1111929395E+01	79
30	.1717746905E+01	.6654007319E+00	.1705831826E+01	.7476967369E+00	.1026433933E+01	.1453525864E+01	.1850000795E+01	.2239067469E+01	80
31	.2455048243E+01	.1553101575E+01	.2095503390E+01	.1051871813E+01	.9372054453E+00	.1285959554E+01	.5712630448E+00	.1706414554E+01	81
32	.2484624766E+01	.2491820654E+01	.3045423917E+01	.1964945605E+01	.3764926846E+00	.2376169554E+01	.7268371342E+00	.2952656958E+01	82
33	.2567787851E+01	.4769908618E+00	.4569816022E+00	-.2818935196E+01	.1654542302E+01	.1880310983E+01	.1835487315E+01	.2543940974E+01	83
34	.1247154160E+00	.2221597550E+01	.3991917516E+00	.1275246747E+01	.1742395410E+01	.2092140978E+01	.6476180516E+00	.5604831318E+00	84
35	.9131323389E+00	.9282368417E+00	.1216043457E+01	.2712241315E+01	.1534773670E+01	.1399523565E+01	.1534904550E+01	.4883905575E+00	85
36	.2001586011E+01	.2984237497E+01	.1441230015E+01	.6234463491E+00	.1620002665E+01	.1486542909E+01	.2777100235E+01	.2942767503E+00	86
37	.1433639107E+01	.2781318198E+01	.1577787780E+01	.6533779012E+00	.2165261221E+01	-.2360000800E+00	-.2847641785E+01	.2146616475E+01	87
38	.1080242131E+01	.7413193265E+00	.2247052965E+01	.6020857743E+00	.1168550903E+01	.1622915186E+01	.1233487182E+01	.2856517130E+01	88
39	.1155769379E+01	.7155101345E+00	.3036711146E+01	.2654144934E+01	.2773359792E+01	.1006923001E+01	.1725305656E+00	.2688005820E+00	89
40	.2299614215E+01	.9769750725E+00	.1663206613E+01	.1844409088E+01	.2261681778E+01	.2405230575E+01	.1134226146E+01	.2205737990E+01	90
41	.2139228772E+01	.9470506077E+00	.1138141770E+01	.2049315187E+00	-.2107626796E+00	.2922282286E+01	.1762099543E+01	.2053214217E+01	91
42	.1626534732E+01	.1337116041E+01	.1359500471E+00	.2180152453E+01	.7104837108E+00	.2466055395E+01	.9603564122E+00	.2793024189E+01	92
43	-.3063513404E+01	.2649008760E+01	.1697127057E+01	.2687392641E+01	.8899178161E+00	.3732088075E+00	.2317560216E+01	.7703678435E+00	93
44	-.4339764785E+00	.3125507279E+01	.2362609056E+01	.2489227373E+01	.2676505794E+01	.2013568972E+01	.1189042921E+01	.1874053350E+01	94
45	.8535819477E+00	.9645643048E+00	.5678307596E+00	.1771643634E+01	.1285342531E+01	.5013753522E+00	.1431280705E+01	.3824412591E+00	95
46	.1203628930E+01	.1670104520E+01	.1049815550E+01	-.6004086855E+00	.2774185194E+01	.6318677175E+00	.2998126444E+01	.9370740358E+00	96
47	.1180591004E+01	.1407768219E+01	.2298562680E+01	.1523878028E+01	.2464324309E+01	.2663654323E+01	.1487334832E+01	.9138813155E+00	97
48	.3002475222E+01	.1158001542E+01	.2423333339E+01	.1306992029E+01	.1504559525E+01	.1420664457E+01	.2343858426E+01	.2195795356E+01	98
49	.2025010209E+01	.9164529703E+00	.2513963121E+01	.1394382361E+01	-.5848880726E-01	.1448954932E+01	.6901026316E+00	.2800963438E+01	99
50	.1567086033E+01	.1911893922E+01	.1607605783E+01	.1935655047E+01	.1942727980E+01	.9236567507E+00	-.1137242070E+00	.2553172057E+01	00

	2801- 2850	2851- 2900	2901- 2950	2951- 3000	3001- 3050	3051- 3100	3101- 3150	3151- 3200	
01	.1727561641E+01	.1348669856E+01	-.2924491473E+01	.1237139164E+01	.2783075754E+01	.1749835801E+01	.1604582284E+01	.2279041505E+01	51
02	.6917776477E-01	.1380186557E+01	.9821646829E+00	.1829522615E+01	.5103585739E+00	.8908881464E+00	.2787138641E+01	.9613095550E+00	52
03	.1741681495E+01	.1429535946E+01	.8594889580E+00	.2308297137E+01	.9266571712E+00	.2515065651E+01	.7849070468E+00	.1270081509E+01	53
04	.1412514382E+01	.2497914503E+01	.8693724282E+00	.2274190672E+01	.6649045297E+00	.1987158372E+01	.1490306094E+01	.8594603997E+00	54
05	.1082941579E+01	.1603989297E+01	.1174319121E+01	.2520642976E+01	.1296683147E+01	.1548651875E+01	.1130087630E+01	.3054781269E+01	55
06	.1524456453E+01	.2993675000E+01	.7948390920E+00	.1840995998E+01	.2571847425E+01	.1863565455E+01	.1049510169E+01	.2157779278E+01	56
07	.1982705846E+01	.3717107697E+00	.1998352058E+01	-.9753522303E+00	.1384754358E+01	.2194456883E+01	.6091968649E+00	-.3019371865E+01	57
08	.1235200998E+01	.1417253416E+01	-.3110462845E+01	.1342904409E+01	.1673511208E+01	.1405080821E+01	.1577671018E+01	.7076497028E-02	58
09	.1740080895E+01	-.1730802071E+00	.2482141009E+01	.2577840360E+01	.1700538697E+01	.3156219883E-01	.2659353716E+01	.4233756543E+00	59
10	-.3137643854E+01	.1439967443E+01	.1356942153E+01	.1591482101E+01	.1733571182E+01	.1196556035E+01	-.2698157990E+01	.1276735586E+01	60
11	.2372263221E+01	.1896615128E+01	.5856618303E+00	.1269812201E+01	-.2974320898E+01	.5328007161E+00	.1087946524E+01	.1578686262E+01	61
12	-.7517370341E+00	.3075822628E+01	.1400121344E+01	.7054528427E+00	.4875771972E+00	.2906141857E+01	.1290544019E+01	.2414184643E+01	62
13	.6652941505E+00	.2205236575E+01	.9354127690E+00	.2704649200E+01	-.6117494435E-01	.1889503742E+01	.5226950767E+00	.1027931544E+01	63
14	.2117531078E+01	.9996308151E+00	.2368957157E+01	.2613936732E+01	.1652767398E+01	.2990583353E+01	.1059133433E+01	.1358375020E+01	64
15	.9740153816E+00	.2349163515E+01	-.1554259936E+00	.1952252627E+01	.1510706641E+01	.1747911162E+01	.1549056837E+01	.3067694584E+01	65
16	.2372561461E+01	.8295178147E+00	.2393207290E+01	.1583598125E+01	.1144708132E+01	.1251004634E+01	.1908975732E+01	.1541120039E+01	66
17	.2539658709E+01	.6196874205E+00	.2259251663E+01	.1115810176E+00	.2364037303E+01	.5257783479E+00	.1843916637E+01	.1616960731E+01	67
18	.1442423320E+01	.1832151806E+01	.1561464293E+01	.8783034396E+00	.3008111929E+01	.6897422009E+00	.1370838516E+01	.1942917584E+01	68
19	.2412659904E+01	.1800039390E+01	.2718441272E+01	.1241520630E+01	.2262089379E+01	.1648838389E+01	.1485760869E+01	.5941472242E+00	69
20	.1055121844E+01	.6804200359E+00	.2364517356E+01	.1662884106E+01	-.1749501880E+00	.2797326250E+01	.2939295127E+01	-.1310965249E+00	70
21	.4114271140E+00	.1397924278E+01	-.2069165770E+00	.1792089392E+01	.1938771707E+01	.1297488158E+00	.1928175054E+01	.1704754966E+01	71
22	.2306654623E+01	.2408495024E+01	.5059272838E+00	-.2626002636E+01	.7415232095E+00	.1661314951E+01	.1495126365E+01	.2016242040E+01	72
23	.1310539316E+01	.2812998099E+01	.7272914408E+00	.8913683154E+00	.2199971703E+01	.2454197629E+01	-.7561944109E+00	.2407051591E+01	73
24	.6691578936E+00	.2652989823E+01	.2640169460E+01	.1868349837E+01	.1025312074E+01	.2848852411E+01	.1020457089E+01	.2616212018E+01	74
25	.8063677936E+00	-.3072859628E-01	.2336766772E+01	.1128855604E+01	.1243835647E+01	.2129589392E+01	.2384865243E+01	.2040025090E+01	75
26	.2399139929E+01	.4479464836E+00	.1121734916E+01	.1538226287E+01	.1481014015E+01	-.1560711861E+00	.1590134238E+01	.1084538304E+01	76
27	-.3040833651E+01	.1073739741E+01	.2880644406E+01	.8570422466E+00	.2233918986E+01	.1661040573E+01	.2209409012E+01	.7826355152E+00	77
28	.2289732195E+01	.2224847609E+01	.1504025908E+01	.1196254824E+01	.2976123712E+01	.3507077416E+00	.2212582348E+01	.9769352114E+00	78
29	.1202237770E+01	.1074159201E+01	.1550413710E+01	.1989298979E+01	.1723262758E+01	.9209525012E+00	.2717533810E+01	.1600559254E+01	79
30	.8194572973E+00	.2667222583E+01	.9454275527E+00	.6898009276E+00	.1527632313E+01	.2749779473E+01	.6589435117E+00	.1445246852E+01	80
31	.4908670844E-01	.1729069648E+01	.1265784789E+01	.2283959040E+01	-.2310690815E+00	.1999847438E+01	.3638457982E+00	.2144932043E+01	81
32	.1557184686E+01	.2350736567E+01	.1726179947E+01	.2103757022E+01	.8951679438E+00	.2666950113E+01	.1742300273E+01	.7764551181E+00	82
33	.1762183384E+01	.1098807198E+01	.5204691126E+00	-.2572176515E+01	.1219686260E+01	.1746281842E+01	.2094050470E+01	.1234115857E+01	83
34	.2660689938E+01	.1112654044E+01	.1436401712E+01	.1308261514E+00	.2358087103E+01	.9653114097E+00	.9083595920E+00	-.2911569187E+01	84
35	.1358360595E+01	.2523879382E+01	.1843971623E+01	.6084877693E+00	.2910467973E+01	.1049367631E+01	.6414380468E+00	.2980185675E+01	85
36	.1741220571E+01	.7538888278E-02	.2534671044E+01	.5803762096E+00	.9471025763E+00	.2126216121E+01	.2419025843E+01	.4337648389E-01	86
37	.1941820843E+01	.7333063787E+00	-.2697473511E+01	.1755487246E+01	.1978152731E+01	.7131225748E+00	.1437709794E+01	.8000538046E+00	87
38	.2176781936E+01	.2064021632E+01	.3027015914E+00	.2133458355E+01	.2537545823E+01	.1249063809E+01	-.2957328299E+01	.7974095892E+00	88
39	.1428579965E+01	.1280010465E+01	.5402848213E+00	.2056275722E+01	.3160516276E+00	.6384115579E+00	.2300610821E+01	.1709374146E+01	89
40	.5870043188E+00	.2900660049E+01	.1641745478E+01	.1230657590E+01	.1663022746E+01	.2848264607E+01	.2905350529E+00	.1295218461E+01	90
41	.7348238575E+00	.2521415856E+01	.3492643809E+00	.2538654932E+01	.1568784084E+01	.1605989685E+01	.8525035357E+00	.2001943759E+01	91
42	.9895503808E+00	.2191350959E+01	.1916104265E+01	.1973112301E+01	.2914872255E+00	.1953368921E+01	.1036547188E+01	-.2954314926E+01	92
43	.2488466823E+01	.2889645351E+00	.2524624519E+01	.1051793607E+01	.1966895077E+01	-.2600328491E+01	.4349721764E+00	.8494880610E+00	93
44	.1109731622E+01	.5531335245E+00	.1938913795E+01	.1202445394E+01	.1143612887E+01	-.1012849707E+00	.2302654444E+01	.2413408985E+01	94
45	.2611430316E+01	.1387708686E+01	.8180444775E+00	.2012420883E+01	.1823829825E+01	.2146267566E+00	-.3089597029E+01	.3338839838E+00	95
46	-.2666602894E+01	.1120851420E+01	.2645337325E+01	.7685665769E-01	-.2679338621E+01	.1253862492E+01	.1478569480E+01	.1599508127E+01	96
47	-.7821916938E-01	.2835517762E+01	.1943232883E+01	.4348907802E+00	.2495188386E+01	.1861958911E+01	.1578999215E+01	.2080946591E+01	97
48	.9817223743E+00	.1518657872E+01	.1630922431E+01	.2417897744E+01	-.1858961932E+00	.1963252169E+01	.1628191941E+01	.3234837127E+00	98
49	.8162259946E+00	.6263041221E+00	.7246358545E+00	.2908166201E+01	.3869865700E+00	.2099231858E+01	.2330029073E+01	.1183499319E+01	99
50	.2314163395E+01	.2307449104E+01	.3865205845E+00	.1966500630E+01	.1852841191E+01	.1522048483E+01	-.3749836175E+00	.1490021168E+01	00

	3201- 3250	3251- 3300	3301- 3350	3351- 3400	3401- 3450	3451- 3500	3501- 3550	3551- 3600	
01	.2786580139E+01	-.1903428732E-01	.1726575430E+01	.1702327117E+01	.1100889685E+01	.1621158184E+01	.9961166050E+00	.1198953732E+01	51
02	.2113480720E+01	.8123336908E+00	.2069401917E+01	.1721475644E+01	.1846397035E+01	-.2754037964E+01	.8431667758E+00	.1979308289E+01	52
03	.2622857107E+01	.1598368110E+01	.2332114728E+01	.1781309956E+00	.1084001744E+01	.1599861640E+01	-.9833864325E-01	.2128621835E+01	53
04	.1497800352E+01	.1095147962E+01	.2237959741E+01	.1467392849E+01	.1676518986E+01	.2124888013E+01	.1812424433E+01	.2102505683E+01	54
05	-.8421922238E-02	.2317922828E+01	.8529407064E+00	.2092592453E+01	.2068299768E+01	.9223741852E+00	.1889158519E+01	.2998597373E+01	55
06	.5457227081E-01	.2496124370E+01	.1213092394E+01	.1025364327E+01	.2378790500E+01	.1788520803E+00	.1192272191E+01	.1253026755E+01	56
07	.1851176578E+01	.1974008272E+01	.1781037118E+01	.1274319257E+01	.2647445788E+01	.1012113024E+01	.2611817841E+01	.5559482919E+00	57
08	.2628146944E+01	.8650372130E+00	.1022741820E+01	.8319702650E+00	.1212207499E+01	.9737604269E+00	-.2915636398E+01	.5961957288E+00	58
09	.1797100901E+01	.2289698433E+01	.1453428087E+01	-.3036169606E+01	-.4920745431E+00	.2574448447E+01	.9493370509E+00	.1689702653E+01	59
10	.1605320529E+01	.1456468354E+01	.2898651784E+00	-.2789274327E+01	.9398056775E+00	.2905115205E+01	.3855907741E+00	.1949966005E+01	60
11	.1392748199E+01	.1463652965E+01	.1674525458E+01	.8397385376E+00	.1082916118E+01	.1473563880E+01	.1636933059E+01	.1718167344E+01	61
12	.2745476190E+01	-.3227116268E+00	.3113865359E+01	.2727774555E+00	-.3054503005E+01	.2309766030E+01	.1630732461E+01	.6081100148E+00	62
13	.1495342819E+01	.1819276970E+01	.2477720067E+01	.9146575010E+00	.1344611533E+01	.6478183209E+00	.1388962553E+01	.1895629010E+01	63
14	.1483229657E+01	.2020200956E+01	.2423582941E+01	.1346390125E+01	.2362414744E+01	.1747783472E+01	.7653897903E+00	.2239455374E+01	64
15	.5052292573E+00	.1221575682E+01	.3107479018E-01	.1044671733E+01	.1654055529E+01	.1245537109E+01	.1780996206E+01	-.2807389741E+01	65
16	.1394163194E+01	.1843532411E+01	.1589516616E+01	.2881376711E+01	.2468012999E+01	.8714133828E+00	.1982158284E+01	.7406261878E+00	66
17	.8412335340E+00	-.2356578840E+01	-.3717623262E+00	.1597435698E+01	.2060354651E+00	.1559734944E+01	.1623119596E+01	.8102234003E+00	67
18	.1567803438E+01	.1577084151E+01	.1936170155E+01	.2217972374E+01	.1348777776E+01	.1596584525E+01	.3070140132E+01	.1162901881E+01	68
19	.1769829381E+01	.9321163622E-01	.2079478528E+01	.1904478929E+01	.2293060796E+01	.1179382443E+01	.2209521358E+01	.2989315317E-01	69
20	.2896618566E+01	.5642272130E+00	.2867308771E+01	.1097579418E+01	.4547759386E+00	.1827505972E+01	.1134759412E+00	.1919883687E+01	70
21	-.2998210226E+01	.1319282974E+01	.3776286793E+00	.1727417413E+01	.9390540870E+00	.2937846169E+01	.8852609391E+00	.1980159288E+01	71
22	-.3533610561E-01	.2177479367E+01	.2127407032E+01	.1744424162E+01	.1727856432E+01	-.3080284839E+01	.2768663558E+00	.2991521877E+01	72
23	.6753485861E+00	.1957427100E+01	.2681875792E+01	.4357413225E+00	.2035960242E+01	-.4992667084E+00	.1725771426E+01	.2141664288E+01	73
24	.2025904468E+01	.1290938986E+01	.1673917636E+01	.1377006367E+00	.2539994163E+01	.3506009616E+00	.2507126487E+01	.8351129406E+00	74
25	.6428443224E+00	.1352392806E+01	.1101618388E+01	.2206101571E+01	-.2944183402E+01	.1884501992E+01	.2697121308E+01	.2185490732E+01	75
26	.1859564125E+01	.2431801656E+01	.8979270899E+00	.2323615164E+01	-.2322102481E+00	.1388045318E+01	.6866564843E+00	.7535904477E+00	76
27	.1943570572E+01	.2808222511E+01	.6607916528E+00	.2160370583E+01	.1576500546E+01	.1404360387E+01	.2347945203E+01	.1401262532E+01	77
28	.1200979920E+01	.1992476645E+00	.1399488802E+01	.2196350944E+01	.1356615335E+00	.2662609152E+01	.2407181335E+01	.1747404256E+01	78
29	.2223618971E+01	.2166882264E+01	.1630611099E+01	.2847131068E+01	.1994969436E+01	.1520839699E+01	.3306188178E+00	.1224487694E+00	79
30	.1453465274E+01	.7761496315E+00	.2082198864E+01	-.6653970215E+00	.1128795199E+01	.2130277502E+01	.1632810505E+01	.1776858409E+01	80
31	.2988096726E+01	-.2807526754E+00	.2536428390E+01	.1131063093E+01	.2337816256E+01	.1817083192E+01	.1137054275E+01	.2362879273E+01	81
32	.1686141994E+01	.2080654005E+01	.3086495661E+01	.1508050475E+01	.2466735962E+01	.1551608839E+01	.1732309401E+01	.1241482778E+01	82
33	-.4781723080E-01	.1644860144E+01	.5787150526E+00	.8961577554E+00	.7222934078E+00	.7857228013E+00	-.3857749314E-01	.2854093361E+01	83
34	.1033042921E+01	-.2885891402E+01	.8892858296E-01	.3141157669E+01	.1929186069E+01	.2159151819E+01	.1703659762E+01	.3079538692E+01	84
35	.6514296810E+00	.2217310373E+01	.1064894738E+01	.7125940935E+00	.2816191453E+01	-.9674013143E-01	.3018665650E+01	.3403787246E+00	85
36	.1522658492E+01	.1498234047E+01	.2627089643E+01	.1871853519E+01	.1451919662E+01	.1035210398E+01	.2627466494E+01	-.7221755743E+00	86
37	-.2950768045E+01	.1208464998E+01	.1225622059E+01	.1922421070E+01	.3969879138E+00	.1978901594E+01	.2651457708E+01	.1679675904E+01	87
38	.1784809626E+01	.6130305462E+00	.3298445718E+00	.2718355772E+01	.8233804201E+00	.2197596303E+01	.3088426614E+00	.2038425049E+01	88
39	.1872793424E+01	.1393228047E+01	.2990006440E+01	.1910447032E+01	.1321388707E+01	-.3091010632E+01	-.1295250734E+00	.2186695109E+01	89
40	.2416924159E+01	.1621654534E+01	.1505667984E+01	.2847679080E+00	.1219841120E+01	.1735767035E+01	.2017232845E+01	.1355376216E+01	90
41	.3656090633E+00	.1481864736E+01	.2297126684E+01	.9008011472E+00	.2378173609E+01	.1646231707E+01	.1273514969E+01	.1879565730E+01	91
42	.1001491764E+01	.1419083489E+01	.2325577362E+01	.1533485764E+01	.2086655093E+01	.5522084686E+00	.1761183885E+01	.2366642973E+01	92
43	.1088171880E+01	.1567382153E+01	.1684751154E+01	.4347913673E+00	.3081351883E+01	.2686486821E+00	.1889470799E+01	.1612540521E+01	93
44	.2712645930E+01	.2220933150E+01	.4107425915E+00	.1606463411E+01	.1612480206E+01	.9949396471E+00	.1909565861E+01	.1744632409E+01	94
45	.6021325959E-01	.1290046419E+01	-.1210888047E+00	.3139006015E+01	.2287245860E+00	.3073348327E+01	.1785188797E+01	.1001151094E+01	95
46	.1582668513E+01	-.2244187217E+01	.1673334462E+01	.3021650415E+01	.7981351069E+00	.1483113811E+01	.2058933161E+01	.1591751265E+01	96
47	.1894624844E+01	-.5344932365E+00	.2002407392E+01	.1245148743E+01	.1053924606E+01	.1209059894E+01	.9519658937E+00	.2790932176E+00	97
48	.2828180083E+01	.5914513939E+00	.1711525005E+01	.9949667292E+00	.2756213280E+01	.1920771024E+01	.3052064520E+01	.1403741545E+01	98
49	.2750984098E+01	.1286193479E+01	-.2985586988E+01	.1146489933E+01	.1265639280E+01	.1675049730E+01	-.6086637635E+00	.1179621728E+01	99
50	.1454177862E+01	.1845859613E+01	.1304895244E+01	.1376864315E+01	.6250354088E+00	-.3006604633E+01	.1169061314E+01	.2004275325E+01	00

	3601- 3650	3651- 3700	3701- 3750	3751- 3800	3801- 3850	3851- 3900	3901- 3950	3951- 4000	
01	-.2583726892E+01	.1461549424E+01	.1763799104E+01	.1538518713E+01	.1333587936E+01	.1667201118E+01	.9581107868E+00	.2393650982E+01	51
02	.2153281173E+01	.5234587724E+00	.2999224219E+01	.1915171897E+01	.1565359546E+01	.1467380064E+01	.2388906398E+01	.1014422711E+01	52
03	.7258364366E+00	.1240471862E+01	.8200789675E+00	.1506193296E+01	.1795014355E+01	.9279534725E+00	.2321106476E+01	.1347366472E+01	53
04	.8078511062E+00	.2627790524E+01	.1292744642E+01	.1657763689E+01	.4758939894E-05	.1271077725E+01	.3111304142E+01	.1213263897E+00	54
05	.1400190305E+01	.1037232906E+01	-.3087660619E+01	.1569790828E+01	.1380039050E+01	.2864369462E+01	-.2966708615E-01	.2655728074E+00	55
06	.5996764193E+00	.2102803923E+01	.1799525562E+01	.1225809427E+00	.2054036312E+01	-.2602111637E+01	.6765606344E+00	.2123944056E+01	56
07	.1455031707E+01	.1569006464E+01	.4448052447E+00	.1178628718E+01	.2214337912E+01	.8446974342E+00	.5859749087E+00	.2723854267E+01	57
08	.3041146373E+01	.2503650720E+01	.2154164803E+01	.1906536611E+01	.2085021058E+01	.7040782807E-01	.1559519341E+01	.2604396349E+01	58
09	.7032815666E+00	.1719053156E+01	.4503394748E+00	.1458980082E+01	-.2978785105E+01	.1156889779E+01	.2308384416E+01	.1075459090E+01	59
10	.1670575944E+01	.1466380736E+01	.1071734179E+01	.2131977910E+01	.2969360835E+00	.1466852498E+01	.2332870411E+01	.2538326071E+01	60
11	.2245883242E+01	.1590313550E+01	.9700694577E+00	.2437618923E+01	.1000141987E+01	.6640192739E+00	.1479282199E+01	.9817933712E+00	61
12	.2803509563E+01	.1188038072E+00	.2312496510E+01	-.2944240001E+01	.6881544850E+00	.2396285521E+01	.2118038561E+01	.1472317153E+01	62
13	.1642270640E+01	.2430696057E+00	.1792866224E+01	-.4631299792E+00	.4167523427E+00	.2817218239E+01	.2354921352E+01	.7016256757E-01	63
14	.2701915119E+00	.1672603899E+01	-.2489129619E+01	.6797070704E+00	.2559580678E+01	.1415556480E+01	.4185260415E+00	.2592962138E+01	64
15	.3132368720E+00	-.2992965912E+01	.1555505727E+01	.1172041433E+01	.2710073356E+01	.1612274107E+01	.5922335138E+00	.1107309256E+01	65
16	.1578750965E+01	.1665124902E+01	-.1124489798E+00	.2312774440E+01	.1237533460E+01	.2182763670E+01	.2911748739E+01	.2193754429E+00	66
17	.1514016985E+01	.2709292534E+01	.1287125680E+01	.1029808942E+01	.1561552152E+01	.9550038074E+00	.5809143889E+00	.2931360047E+01	67
18	.1814860470E+01	.1810748180E+01	.1723660100E+01	.2376327378E+01	.1559933889E+01	.1947451050E+01	.7438005336E+00	.1199138695E+01	68
19	.2925747801E+01	.9884975601E+00	.9377181873E+00	.1109641931E+01	-.3058734341E+01	.7314630883E+00	.1233933286E+01	.2877874157E+01	69
20	.1430667695E+01	.2439557820E+00	.2013390321E+01	.1693125503E+01	.7557864700E+00	.4850890721E+00	.2387744333E+01	-.2790512279E+01	70
21	.3011389325E+01	.1376291291E+01	.1121351737E+01	.3108625845E+01	.4900149433E+00	.1172028035E+01	.3039041630E+01	-.7676700359E+00	71
22	-.2514635605E+00	.2070769170E+01	.2628564036E+01	.1283013070E+01	.1855200922E+01	.2379841502E+01	.2321331981E+01	.8588850743E+00	72
23	.1103155499E+01	.1558354828E+01	.8000948971E+00	.1735199509E+01	.5873278227E-02	.2400825655E+01	.1687434952E+01	.1362926226E+01	73
24	.1954271638E+01	.1233285472E+01	.2329961462E+01	.6108333589E+00	.2107472929E+01	.1743605308E+01	.6184531881E-01	.1625633972E+01	74
25	.1974951081E+01	.1395016430E+01	-.3025773613E+01	.9080351667E+00	.1106766343E+01	-.3047468444E+01	.7441977560E+00	.1624026271E+01	75
26	.2243261299E+00	.1913140206E+01	.5683416983E+00	.8154733213E+00	-.3041401936E+01	.9008555088E+00	.1426070872E+01	.1903041781E+01	76
27	.1667692836E+01	.2965906975E+01	.4451636964E+00	.5255816751E+00	.2915908070E+01	-.1266042990E+00	.1633363480E+01	.2136130379E+01	77
28	.1376516303E+01	.2649969484E+01	.1815595132E+00	-.2912388285E+01	.1725403935E+01	.7550616706E+00	.1592006579E+01	.2227019398E+01	78
29	-.3118580437E+01	-.1321009830E+00	.2052889674E+01	-.3023010506E+01	.6847026468E-03	.1828813534E+01	.2822353274E+01	.1179768708E+01	79
30	.1840209386E+01	.5244537255E-01	.1807133994E+01	.1394086409E+01	.9793980137E+00	.2776026197E+01	.7790777553E+00	.1834330160E+01	80
31	.2703496566E+01	.2225434205E+01	.2237344410E+01	.1600006963E+01	.1598897040E+01	.8314333290E+00	.2116452999E+01	.1734762212E+01	81
32	.5793045602E+00	.9290928980E+00	.2396487562E+01	.1405987151E+01	.1748911828E+01	.1404407931E+01	.2117420239E+01	.1031317353E+01	82
33	.2453551877E+00	.1372486741E+01	.2135969967E+01	-.8528151819E-03	.1643071817E+01	.2352230296E+01	.2241166394E+01	.7076259326E+00	83
34	.8161256958E+00	.2595953582E+01	.1425386514E+01	.1861963831E+01	.2557274239E+00	.2112644587E+01	.8523173831E+00	.8163715819E+00	84
35	.1672127563E+01	.2926735648E+01	.1180667640E+01	.1627720555E+01	.2871851914E+01	.2338613749E+01	.6203425716E-01	.1362656931E+01	85
36	.1691486264E+01	.1334631797E+01	-.2021071684E+00	.1756673665E+01	.2133138871E+01	.1313548288E+01	.9926363709E+00	.2434790639E+01	86
37	.2827543763E+01	.1576562059E+01	.2321006416E+01	.1199196029E+01	.1878897409E+01	.4312046672E+00	.2380858950E+01	.2633254343E+01	87
38	.2022162305E+01	.6749604683E+00	.2318435556E+01	.9515612814E+00	.2216521729E+01	.1195533441E+01	.6326537926E+00	.2619589104E+01	88
39	.7758975603E+00	.2240803325E+01	.9162291335E-01	.2946441286E+01	.1822607212E+01	.7577161005E+00	.2232562989E+01	.1435366818E+01	89
40	.2484608870E+01	.8918705685E+00	.1114954344E+01	.2552697362E+01	-.7513059330E+00	.9337335730E+00	-.2775812996E+01	.1016176215E+01	90
41	.1811335407E+01	.1078825402E+01	.2644821640E+01	.2441542850E+01	.6877787874E+00	.2902219842E+01	.2273820681E+01	.1688316853E+00	91
42	.7903040428E+00	.1269685115E+01	.2481835904E+01	-.4089784959E+00	.2181545529E+01	.1868040225E+01	.6151612754E+00	.1104051407E+01	92
43	.1005615750E+01	.1228457358E+01	.2990907003E+01	.9370652933E+00	.1501352618E+01	-.2686643825E+01	.1799581347E+00	.1593688307E+01	93
44	.1365180029E+01	.2280247548E+01	.8884639607E+00	.2453489702E+00	.2714336354E+01	.2543776687E+00	.1704942562E+01	.2830882166E+01	94
45	.1246138250E+01	.2828209973E+01	.8598546047E+00	.2780734134E+01	.2242227810E+01	.1385264877E+01	.1388064106E+01	.1164847323E+01	95
46	.1336650034E+01	.2226318042E+01	.6320655503E+00	.1763631064E+01	.1563164638E+01	.1661361835E+01	.2139306576E+01	.8658124920E+00	96
47	.1535946133E+01	.1913206641E+01	.4610362820E+00	.1542267797E+01	.2269302981E+01	.6538130651E+00	.1015156564E+01	.1850932965E+01	97
48	.2969760877E+01	-.3241834407E+00	.2052753918E+01	.2840662171E+01	-.1203726458E+00	.1663834903E+01	.1069639983E+01	-.2558602319E+01	98
49	-.2749886705E+01	.6583977872E+00	.2353892970E+01	.2145212455E+01	.2054026558E+01	.1389747801E+01	.2430403223E+01	.1135061680E+01	99
50	-.4054420929E+00	.1406996509E+01	.2307711093E+01	.7213844592E+00	.1025055463E+01	.1827763089E+01	.2477079831E+01	.1473522490E+01	00

	4001- 4050	4051- 4100	4101- 4150	4151- 4200	4201- 4250	4251- 4300	4301- 4350	4351- 4400	
01	-.98498115509E-01	.1625282295E+01	.2832180606E+01	.2895873522E+00	.1459650338E+01	.2186311820E+01	.2049073334E+01	.2254363042E+01	51
02	.1510114979E+01	.2672204204E+01	.2828657258E+01	-.3679889300E-01	.7960842328E+00	.2526097791E+01	.2076263888E+01	.6847713231E+00	52
03	.8376559301E+00	.1546361800E+01	.1246980215E+01	.1703159878E+01	.2042661945E+01	.2363426306E+01	.2100211743E+01	.5733294240E+00	53
04	.2097746687E+01	.2571474064E+01	.2925452208E+00	.1439489743E+01	.2996041036E+01	.5469322362E+00	.2857694706E+00	.1913818376E+01	54
05	.1634400801E+01	.2872035640E+01	.1524158307E+01	.1443193427E+01	.5656231639E+00	.2478720985E+01	.1526380003E+01	.1612294212E+01	55
06	-.2897140162E+01	.2166262394E-01	.4085294675E+00	.1682762631E+01	.1738197678E+01	.2216182819E+01	.2195287700E+01	.1169881778E+01	56
07	.2097368668E+01	.5813746868E+00	.2021612629E+01	.2266318280E+01	.2968743755E+01	.4269535438E+00	.9461298453E+00	.9971093830E+00	57
08	.1071982464E+01	.1649512035E+01	.1838626091E+01	.1440214710E+01	.1732565573E+01	.2021549093E+01	-.6907706421E-01	.9442196789E+00	58
09	.5495236486E+00	.1604419403E+01	.2142831615E+01	.1613109134E+01	.1088317477E+01	.5188875806E+00	.1663313706E+01	-.3055951321E+01	59
10	.7360815773E+00	.2047528541E+01	.6641700553E+00	.2857868403E+01	.9654554576E+00	.8936036765E+00	.2902176255E+01	.2408554378E+01	60
11	.2970544423E+01	.5777469474E+00	.2011228284E+01	.9644889047E+00	.1728876616E+01	.1812092108E+01	.1007025972E+01	.2965070669E+01	61
12	-.1687323477E+00	.1739540787E+01	.2644495697E+01	.1973783563E+01	.2097644201E+00	.1641180094E+01	-.2763547182E+01	-.4972119981E+00	62
13	.1955598907E+01	.2125937313E+01	.2831625136E+01	.1054854626E+00	.9112982825E+00	.2239808923E+01	.2257026791E+01	.6589459773E+00	63
14	.1840591886E+01	.2407637327E+01	-.1385717558E+00	.3855694389E+00	.2026459407E+01	.2509088651E+01	.8585132925E+00	.2030710271E+01	64
15	.1812200335E+01	.2847025239E+01	.7404741794E+00	.1679337866E+01	-.3125186001E+01	-.3111975357E+01	-.3148832266E+00	.4354239103E+00	65
16	.1871942611E+01	.4732448906E+00	.1452507174E+01	.2117973826E+01	.2527170117E+01	-.9400769618E+00	.1003076894E+01	.1578168328E+01	66
17	.2814270035E+01	.9212276366E+00	.8022326906E+00	.2554531768E+01	.2074685569E+01	.1265141254E+01	.2087128143E+01	.2900094006E+01	67
18	.2359175349E+01	.6870692274E+00	.1767524274E+01	.2558235521E+01	.3505953720E+00	.8416620348E+00	.1697850720E+01	.2237381086E+01	68
19	-.2098415533E+00	.1219228705E+01	.2604291618E+01	.1291954116E+01	.1008689337E+01	.2433167834E+01	.2374603481E+01	.1377680323E+01	69
20	.2423965988E+00	.1077974521E+01	.2185789846E+01	.2348745279E+01	.9900135858E+00	.1681914155E+01	.1581659368E+01	.1548051083E+01	70
21	.1549217589E+01	.1985638280E+01	.2674275595E+01	-.3745610378E+00	.1789072455E+01	.1119363482E+01	.1069458850E+01	.2066694276E+01	71
22	.1384254256E+01	-.2386661047E+01	.9608909975E+00	.1044460599E+01	.1377912918E+01	.1863639941E+01	.2456230579E+01	.1628993588E+01	72
23	.2583866241E+01	.8023704841E+00	.8472425226E+00	.1933375329E+01	.1882597317E+01	.2336884657E+01	.2659860055E+01	.1016783456E+01	73
24	.2022934721E+01	.1953658827E+01	.9500842308E+00	.2279222094E+01	.1495567690E+01	.1892308738E+01	.3687798287E+00	-.5624399754E-01	74
25	.2019052969E+01	.1584909464E+01	.1837362954E+01	.7766935282E+00	.2018316311E+01	.1770982395E+01	.1376033997E+01	.2145192870E+01	75
26	.9037727846E+00	.1207069403E+01	.1896948231E+01	.1128009438E+01	.1349518830E+01	.2068790140E+01	.7733734255E+00	.6280285020E+00	76
27	.2977255810E+01	.9544184377E+00	.2613318559E+00	.2236668176E+01	.3110343503E+01	.1367256579E+00	.1320877288E+01	.2333529169E+01	77
28	.6749234181E+00	.1590634556E+01	.1180636260E+01	.2118709107E+01	.2012469324E+01	.1173255582E+01	.1117274017E+01	.2603501949E+01	78
29	.1060145624E+01	.8525777923E+00	.2636066225E+01	-.3028168260E+01	-.6787132108E+00	.4473821595E+00	.1640801249E+01	.2365092766E+01	79
30	.1569236948E+01	.1772440874E+01	.2758592551E+01	.1119376424E+01	.8377288714E+00	.1640799477E+01	.2370486216E+01	.2571567149E+01	80
31	.1512055220E+01	.1270364327E+01	.1484316723E+01	.4345319580E+00	.1383306855E+01	.2146297612E+01	-.2283643624E+01	.2770385240E+00	81
32	.2271983270E+00	.2081258151E+01	.2856389928E+01	.2663472966E+00	.2279169939E+01	-.3040988116E+01	.4612461915E+00	.4970354231E+00	82
33	.1547052233E+01	-.3026542869E+01	.4854518330E-01	.1695345313E+01	.1240443793E+01	.1942548995E+01	.1329002934E+01	.1437643332E+00	83
34	.2375468855E+01	.2342001803E+01	.7381189002E+00	.1535212825E+01	.2597329643E+01	.1656332685E+01	.3789014204E+00	.2688870635E+01	84
35	-.3003953828E+01	.6471844219E+00	.4127023871E+00	.1225245317E+01	.2721875148E+01	.7962771112E+00	.1723873553E+01	.2473998265E+01	85
36	.2606566728E+01	-.5069412398E+00	.1338161353E+01	.3134595697E+01	.1553936093E+01	.1488425764E+01	.1351271716E+01	.6665970592E+00	86
37	-.1171643720E+00	.4405120769E+00	-.3005109710E+01	.2421502122E+01	.1187419529E+01	.5764909184E+00	.1974666824E+01	.1728029928E+01	87
38	.1408814216E+01	-.3048443011E+01	.1797581646E+01	.1525539048E+01	.4476110905E+00	.7891222246E+00	.8873367419E+00	.1637344060E+01	88
39	.8424571061E+00	.1578195953E+01	.1782087306E+01	.3665174782E+00	.1435120450E+01	-.3113654708E+01	.2133220266E+01	-.2993627150E+01	89
40	.7799125714E+00	.1933240044E+01	.1729689680E+01	.2304168791E+01	.2312000149E+01	.8432286236E+00	.1791893708E+01	.1422262284E+01	90
41	.2133737206E+01	.1413391234E+01	.2076341837E+01	.1541616498E+01	.4282392420E+00	.7126481979E+00	.2440026649E+01	.1295993638E+01	91
42	.2385375772E+01	.2322407757E+01	.1266479645E+01	.5406547078E+00	.1741571414E+01	.2622466892E+01	.2096822510E+01	.1430662772E+01	92
43	.7460699410E+00	.2330534744E+01	.1345017392E+01	.1453634715E+01	.9503876590E+00	.2690469646E+01	.1785720800E+01	-.1830678680E+00	93
44	.2751107484E+01	.6034835096E+00	.9660663087E+00	.8974163018E+00	.1943501111E+01	.2897738447E+01	.1479984617E+00	.1123271272E+01	94
45	.1472931681E+01	.1877834434E+01	.8003810104E+00	.2168992660E+01	-.2394516010E+01	.3085808335E+00	-.4010431082E-01	.1931040143E+01	95
46	.2021321210E+01	.1751746711E+01	.1927630957E+01	.1988345544E+01	.1932245454E+01	.4643546305E+00	.1510879022E+01	.1766732682E+01	96
47	.2163375939E+01	-.2277055453E+00	.5227200324E+00	.1580486357E+01	.4709298135E+00	.7973966654E+00	.1967737956E+01	.2957170356E+01	97
48	.8854207713E+00	.1153100180E+01	.2416497100E+01	-.2336937211E+01	.1319302887E+01	.1618506785E+01	.2926116338E+01	.2649008264E+01	98
49	.2648151311E-01	.1911973917E+01	.2270351435E+01	.7297829422E+00	.1407637663E+00	.1324181941E+01	.1356374811E+01	.1016068939E+01	99
50	.9911172568E+00	.1844830786E+01	-.2365205328E+01	-.2915407081E+00	.9500937700E+00	.2616298102E+01	.2391794254E+01	.1134395118E+01	00

	4401- 4450	4451- 4500	4501- 4550	4551- 4600	4601- 4650	4651- 4700	4701- 4750	4751- 4800	
01	.1187411154E+01	.1214066012E+01	.2061453785E+01	.1001429717E+01	.2970599331E+01	.8073142798E+00	.1537725199E+01	.8181998459E+00	51
02	.1076822690E+01	.1526845723E+01	.7982399299E+00	.1873205051E+01	.4649435032E+00	.1106207140E+01	.5801419978E+00	.1010584605E+01	52
03	.1780477320E+01	.1558727679E+01	.1560995539E+01	.2307349247E+01	.1750962241E+01	.1704089721E+01	.5518656346E+00	.1736389137E+01	53
04	.5738234485E+00	.1122994374E+01	.2182558274E+01	.2303725839E+01	.2053596335E+01	.8504622647E+00	.2520177255E+01	.1380452655E+01	54
05	.2339696147E+01	.2387225398E+01	-.2923722356E+01	.6610617768E+00	-.1996622359E+00	.5547282147E+00	.1579462290E+01	-.2992855525E+01	55
06	.1635692376E+01	.2250541342E+01	.8794542698E+00	.1236950526E+01	.1231664374E+01	.2184918808E+01	.1789539094E+01	.2522975314E+01	56
07	.9427910565E+00	.2432252482E+01	.8985944729E+00	-.2475287195E+00	.1003922443E+01	.1934988688E+01	.2632162823E+01	.1624002444E+01	57
08	.2575217144E+01	.1538232130E+01	.6894217238E+00	.1346012741E+01	.2256567543E+01	.1925711175E+01	-.2970731937E+01	-.6081488338E-01	58
09	-.2479939688E+01	.4018149572E+00	.1448755068E+01	.2783784187E+01	-.2972162863E+01	-.2164131151E+01	-.7433322698E+00	.1145765936E+01	59
10	.2848556912E+00	.7383877056E+00	-.2183116562E+00	.1516920937E+01	.1591247027E+01	.2894236047E+00	.1147750775E+01	.8483608027E+00	60
11	.1172043231E+01	.5427719180E+00	.2575316892E+01	.2455152665E+01	.2665149421E+01	.2015219741E+00	.4535644127E+00	.1305332166E+01	61
12	.9514896571E+00	.1471429444E+01	-.3120654543E+01	.2843002389E+01	.5944441123E+00	.1076778822E+01	.2083015347E+01	.1447051483E+01	62
13	.1407920165E+01	.2794942074E+01	.2415420162E+01	.1646124835E+01	.2018755123E+00	.2128115558E+01	.2189534807E+01	-.2377374645E+01	63
14	.2205893698E+01	.2827882788E+01	.1829786078E+01	.4133220061E-01	.1559129452E+01	.7216339558E+00	.1694500715E+01	.8899178972E+00	64
15	.1124427359E+01	.1364002887E+01	.1174885580E+01	.6528998731E+00	.1130562425E+01	.2156831967E+01	.1676275824E+01	.6175191303E+00	65
16	-.3060395300E+01	.1540229544E+01	.1541676332E+00	.1473472042E+01	.2332746755E+01	.2086303871E+01	.1903775534E+01	-.2669496707E+01	66
17	.1155619992E+01	.2360651044E+01	.2155157669E+01	.2865208302E+01	.1563954590E+01	.1618724945E+01	.1850603488E+01	.1189581086E+01	67
18	.2584280307E+01	.4006212312E+00	.1371925833E+01	.5181039356E+00	.1634557279E+01	.1954778424E+01	.2522605184E+01	.1245029931E+01	68
19	.1040677885E+01	.5857257873E+00	.1261300227E+01	.9498049411E+00	.9619680890E+00	.1479562353E+01	.5670981079E-01	.7904455142E+00	69
20	.1139097983E+01	.2472055046E+01	.1198096496E+01	.2504420469E+01	.2644076234E+01	.2751312917E+01	.2010501242E+01	.1331194524E+01	70
21	.1097922144E+01	.1205731869E+01	.1318535454E+01	.2114643909E+01	.3002334359E+01	.1139320314E+01	.1195056326E+01	.1170183929E+01	71
22	.2237047241E+01	.8305171829E+00	.2456085809E+01	.2361781277E+01	.1394923509E+01	-.2508041592E+00	.3442274606E+00	.1169580264E+01	72
23	-.5160940137E-01	.1565806965E+01	.2072885700E+01	.2402575517E+01	-.6580883859E+00	.1367779933E+01	.8567464580E+00	.1870765139E+01	73
24	.1146900187E+01	.1886894850E+01	.1994053687E+01	.4663105027E+00	.1406753119E+01	.1049365476E+01	.2333613445E+01	.2803086127E+01	74
25	.1921870813E+01	.2881266684E+01	.3028317619E+01	.9380277799E+00	.1684671847E+01	.1997346032E+01	.2884182833E+01	.3105572592E+01	75
26	.2995279948E+01	.3135016697E+01	-.5469214430E+00	.1574704228E+00	.1000045231E+01	.2144874477E+01	.2937050133E+01	.1568977397E+01	76
27	.2650248967E+01	.6160037700E+00	.2148362553E+00	.1650554720E+01	.1951225962E+01	.3041960519E+01	.1517947370E+01	-.4768762744E-01	77
28	.1930154697E+01	-.2810784024E-01	.1418457006E+01	.1647187959E+01	.2142792371E+01	.1443675040E+01	.2829113884E+00	.8320351158E-01	78
29	.1043609976E+01	.1131545984E+01	.2230394194E+01	.2373055488E+01	-.2816313880E+01	.2268378922E+01	.1907426803E+01	.2148906742E+01	79
30	.4144761604E+00	.1169633784E+01	.1563135026E+01	.2978636510E+01	.1209066983E+01	.3290402153E+00	-.1510610427E+00	.2027187807E+01	80
31	.5327704788E+00	.2398156617E+01	.2690895611E+01	.1392967257E+01	.7247831460E+00	.3128956409E+00	.1612768415E+01	.1504122796E+01	81
32	.1569305985E+01	.1322574862E+01	.5471366187E+00	.1242137083E+01	.1555735894E+01	.2004545442E+01	.2736175005E+01	.1406978648E+01	82
33	.1717369482E+01	.1859013862E+01	-.3002112206E+01	.1856554264E+01	.6084476635E+00	.1642712216E+01	.8204961547E+00	.1486743513E+01	83
34	.2937595997E+01	.2938212831E+01	.1532917898E+01	.1336495094E+01	.2364457760E+01	.2211553004E+01	.2106216890E+01	.2867391299E+01	84
35	.4840042261E+00	.3815973423E+00	.8766084132E+00	.7337506143E+00	.1038487697E+01	-.3624994247E+00	.1267094993E+01	.1531582743E+01	85
36	.2285347221E+01	.2737721978E+01	.1663311860E+01	.1308616039E+01	.6219240854E+00	.1966206197E+01	.2411420925E+01	.1877068090E+01	86
37	.2258207877E+01	.7879674795E+00	.1064550297E+01	.1632301893E+01	.2050362181E+01	.3114229482E+01	.2522289484E+01	.1907690664E+01	87
38	.1634405307E+01	.2456645494E+01	.1417486417E+01	.1380351734E+01	.2243916440E+01	.2846837731E+01	.2091910962E+01	.6460649558E+00	88
39	.2282452717E+01	.1132173659E+01	.6991397986E+00	.6703789589E+00	.2145307940E+01	.1594487683E+01	-.6938609587E-01	.8615385026E-02	89
40	.9923197348E-01	.3876727727E+00	.1377576554E+01	.2824349257E+01	.2951218281E+01	.9253256243E+00	.3810471127E+00	.7162366196E+00	90
41	.7067568951E+00	.1908408890E+01	.1662454689E+01	.3117883897E+01	.1043107176E+01	.3662511441E+00	.1061312873E+01	.2617955315E+01	91
42	.1457801739E+01	.2085201232E+01	-.3002893153E+01	.2590635914E+01	.1048660234E+01	.8401133109E+00	.2247743273E+01	.2215190909E+01	92
43	.1491705642E+01	.1896207373E+01	-.3059010587E+01	-.3189158545E+00	.5909462982E+00	.1456293149E+01	.1782508722E+01	.2098086676E+01	93
44	.1733149289E+01	.2638788361E+01	.1825910898E+00	.4429218442E+00	.1364634447E+01	.1303368378E+01	.2068964735E+01	.2882696694E+01	94
45	.1781885347E+01	.2841966931E+01	.1213760678E+01	.1644827325E+01	.1712062459E+01	.2857798512E+01	.2278216095E+01	.1084919473E+01	95
46	-.2796244671E+01	.4669354946E+00	.7782109448E+00	.7938589932E+00	-.2989300570E+01	.2502200058E+01	.2740641108E+01	.1387452987E+01	96
47	.2352241517E+01	.9682530435E+00	.1176409246E+01	.2659530307E+01	.1382236078E+01	.1601791655E+01	.4680310971E+00	.5471335416E+00	97
48	-.4933856680E+00	.4629719487E+00	.9583110324E+00	.1916920939E+01	.1736020931E+01	.1772680112E+01	.5943449273E+00	.1455799777E+01	98
49	.7689572318E+00	.1157999954E+01	.2580908209E+01	.1471026680E+01	.1947217709E+01	.5795012489E+00	.1785900233E+01	.6021292532E+00	99
50	.2352569948E+01	.2504376068E+01	.2259565800E+01	.1687994732E+01	.2261863496E+01	.2018738351E+01	.1975806926E+01	.2999071666E+01	00

	4801- 4850	4851- 4900	4901- 4950	4951- 5000	5001- 5050	5051- 5100	5101- 5150	5151- 5200	
01	.5263070201E+00	.9746963817E+00	.2999497903E+01	.2749994697E+01	.1077715466E+01	.1197306746E+01	.1382302589E+01	.1324013120E+01	51
02	.1823279003E+01	.1855178083E+01	.2119899468E+01	.1018445078E+01	.2462968462E+01	.1599382423E+01	.4942314648E+00	.1530265749E+01	52
03	.1550991200E+01	.3062402951E+01	.1304440673E+01	.1125820425E+01	-.7610794664E+00	.3928489496E+00	.2453615268E+01	.1477959602E+01	53
04	.2414181926E+01	.1984103695E+01	.1215232195E+01	.6632551256E+00	.1171579075E+01	.8226071329E+00	.8407957094E+00	.2265003507E+01	54
05	-.2469271475E+01	.1347431338E+01	.1101221009E+01	.1001632757E+01	.2066315425E+01	.2407994709E+01	.1683746933E+01	.1957470826E+01	55
06	-.7162393027E+00	-.4286623070E+00	.4767471729E-01	.1131388075E+01	.2009359977E+01	.2232699320E+01	-.3068420662E+01	-.2964345569E+01	56
07	.1372182100E+01	.9760514172E+00	.6453018075E+00	.2044726237E+01	.1915566506E+01	.2863663555E+01	-.2868635323E+01	.9242065371E+00	57
08	.1137434914E+01	.1517496271E+01	.2822978498E+01	.2301752644E+01	.2635523388E+01	.2694961514E+01	-.1884749883E+00	.6055641760E+00	58
09	.7176680628E+00	.1582134407E+01	.2340979036E+01	.2101455058E+01	.2666533932E+01	-.5335756549E+00	.1212833530E+00	-.1132227998E+00	59
10	.1749537328E+01	.3036914251E+01	.3029561525E+01	-.2811207046E+01	.1117547512E+01	.1555003501E+01	.1648434931E+01	.1274824019E+01	60
11	.2162111531E+01	.1778340238E+01	.8423238259E+00	-.2048726934E+00	-.6851688998E+00	.1115970168E+01	.1489481050E+01	.2280731165E+01	61
12	.2540121076E+01	.1820713642E+01	.2478728039E+01	.7831967064E+00	.1283892652E+01	.8953838240E+00	.8252524510E+00	.2076662819E+01	62
13	.2110878104E+01	.2451108195E+01	.9246872205E-01	.1586243527E+01	.2218252136E+01	.1468726953E+01	.3023742353E+01	.2622778541E+01	63
14	.1506497905E+01	.7828317171E+00	.1460701211E+01	.1541232556E+01	.1634302315E+01	.2651534452E+01	.1240536157E+01	.4792917797E+00	64
15	.1441990442E+01	.2279750943E+00	.1537279599E+01	.1867092581E+01	.1840722579E+01	.2036422288E+01	.2418692634E+01	.2304468637E+01	65
16	.1083648153E+01	.1670777312E+01	.1323987526E+01	.6599730409E+00	.1388542009E+01	.8608271277E+00	.1612254309E+01	.2895347831E+01	66
17	.1558009940E+01	.2590553815E+01	.1407679520E+01	.1506876914E+01	.1080003250E+01	.1784175159E+01	.2050763503E+01	-.1093911693E-01	67
18	.1657343229E+01	.1021106837E+00	.1765228494E+01	.2823407596E+01	.2599560315E+01	.2898464711E+01	.1241250235E+01	.1488465015E+01	68
19	.9792872374E-01	.1315025051E+01	.1050129317E+01	.1182544851E+01	.2900661616E+01	.1928923257E+01	.1539617108E+01	.1972450203E+01	69
20	.1422138461E+01	.1660978851E+01	.2371901885E+01	.2626923054E+01	.1524141763E+01	.4880879560E+00	.1131934926E+01	.7070762715E+00	70
21	.1450946167E+01	.2737759850E+01	.2492713003E+01	.2566965856E+01	.2198653775E-01	.6074699290E+00	.4769603988E+00	.7985366561E+00	71
22	-.3015338223E+01	.2563143975E+01	.3085925783E+01	.5975494330E+00	.1626756389E+01	.8937637813E+00	.4193896322E+00	.1458328642E+01	72
23	.1256087200E+01	.2625486454E+01	-.2775844477E-01	-.5101009231E+00	.5839444926E+00	.1808916034E+01	.1927604925E+01	.2112550775E+01	73
24	-.2945675694E+01	.2447039929E+00	-.2522895749E+00	.1892708772E+01	.1223733626E+01	-.1273857566+01	-.2809799130E+01	.2909559991E+01	74
25	.1602553386E+01	.5540881410E+00	.1244107976E+01	.2770978920E+00	.1445045536E+01	.2466190748E+01	.1946252183E+01	.3101371943E+01	75
26	-.3414793441E+00	.1242964437E+01	.2489403674E+01	.2690398691E+01	.2291826988E+01	.2941845388E+01	.2399519419E+01	.8656409598E+00	76
27	.4417523903E+00	.4599889514E+00	.1123666787E+01	.2884546454E+01	-.2552879139E+01	.2194438324E+01	.1686265299E+01	.5746382919E+00	77
28	.1650683364E+01	.2539851058E+01	.1654261190E+01	.1799322624E+01	.1249080827E+01	.1541732614E+01	.2606135936E+00	.4401190697E+00	78
29	.2084099057E+01	.1856965917E+01	-.3077927593E+01	.1989540683E+01	.1187640250E+01	-.5752599793E-01	.9177633228E+00	.1521127256E+01	79
30	.2404544383E+01	.2460897679E+01	.1410972994E+01	.1391042283E+01	.1357201506E+01	.9304146028E+00	.1423963009E+00	.2065640123E+01	80
31	.1094752203E+01	.1853431494E+01	.2126131167E+01	.1874711633E+01	.1115483081E+01	.1630256732E+01	.2895925973E+01	.9644310277E+00	81
32	.1795876578E+01	.1101324446E+01	.9078892784E+00	.1973283366E+00	.1132343450E+01	.2632089744E+01	.2326893364E+01	.2361285290E+01	82
33	.1989015745E+01	.1818651833E+01	.1111634728E+01	.1436221046E+01	.1594473128E+01	.2201729397E+00	.6103630375E+00	.1881663734E+01	83
34	.2606760352E+01	.2459749540E+01	.2155303973E+01	.1921047510E+01	.1576212466E+01	.1743762540E+01	.1248304752E+01	.1731299970E+01	84
35	.8967773155E+00	.2375897212E+00	.5878129721E+00	.1437115540E+01	.4588840045E+00	.1679920455E+01	.2996915254E+01	.1546279980E+01	85
36	.1809919494E+01	.1211356585E+01	.1218232227E+01	.2330358708E+00	.2578281771E+01	.2473874637E+01	.1680566395E+01	.2532435606E+01	86
37	.5149475556E-01	.7138019261E+00	.4457104812E+00	.2056882243E+01	.2208977068E+01	.2866043454E+01	.2983438477E+01	.1864716193E+01	87
38	.1359486607E+01	.1707996341E+01	.2569529466E+01	.1667586013E+01	.1717291330E+01	.9413056555E+00	.6147696978E+00	.2713423320E-01	88
39	.1618302896E+01	.1867332605E+01	.2054412527E+01	-.2022640280E+01	-.2799938550E+01	.2244740223E+01	-.4149978568E-01	.2516328775E-01	89
40	.4025440607E+00	.1565863844E+01	-.2822132060E+01	.1770288079E+01	.1700316316E+00	-.4665674019E+00	.1441644769E+01	.1931448061E+01	90
41	.2356247723E+01	.2880358164E+01	.1617594210E+01	.2150667991E+00	.3609508212E+00	.8731010904E+00	.1282663717E+01	.1747763023E+01	91
42	-.2528475738E+01	-.3030502378E+01	.1037957270E+01	.7519135225E+00	.4290311072E+00	.1252595793E+01	.1534655588E+01	.2046097122E+01	92
43	.2471647915E+01	.5677842757E-01	.6906313282E+00	.7825016495E+00	.1349950784E+01	.2097107189E+01	.1833828860E+01	.2094727958E+01	93
44	.4811645220E+00	.7715814064E+00	.4572070316E+00	.1786174982E+01	.3052325368E+01	.2331642463E+01	.2625332276E+01	.2820023125E+01	94
45	.5777454032E+00	.8539422641E+00	.6007472047E+00	.1253667658E+01	.1790314840E+01	.2604598120E+01	.3062386893E+01	.2103046069E+01	95
46	.1619652147E+01	.1197113184E+01	.2869056895E+01	.2664958506E+01	.1319993556E+01	.1532838458E+01	.8846709849E+00	.2877449161E-02	96
47	.1331753035E+01	.2495971658E+01	.2579812905E+01	.1843177474E+01	.2456748722E+01	.1652020672E+01	.8535813357E+00	.1479455422E+01	97
48	.1196856769E+01	.1830199782E+01	.8743066884E+00	.1744270616E+01	.2419848989E+01	.1572986419E+01	.8689909268E+00	.7468269678E+00	98
49	.1637440354E+01	.6363527843E+00	.1629634622E+01	.2043890888E+01	-.4491984027E-01	.1073265782E+01	.2434796605E+01	.1586587022E+01	99
50	.2176411702E+01	.1793154631E+01	.2151056979E+01	.1475724806E+01	.2263491130E+01	.1230820802E+01	.6488483545E+00	.2519929352E+01	00

	5201- 5250	5251- 5300	5301- 5350	5351- 5400	5401- 5450	5451- 5500	5501- 5550	5551- 5600	
01	.4846513467E+00	.1204498084E+01	.1992830879E+01	.2656665879E+01	.2096737557E+01	.7286065444E+00	.1655475803E+01	.9399142367E+00	51
02	.1429427373E+01	.1274377828E+01	.2560544931E+01	.2469741996E+01	.1919453283E+01	.9088584061E+00	.7173129599E+00	.1813460176E+01	52
03	.1466549061E+01	.1497059653E+01	.1844900623E+01	.1574881923E+01	.1443276647E+01	.2281051760E+01	.9721527773E+00	.4826339765E+00	53
04	-.2719462655E+01	-.2287747554E+01	.1470871766E+01	.8416159384E+00	.1591021265E+01	.1451448045E+01	.2049779888E+01	.1794643938E+01	54
05	.2443768208E+01	.1410802090E+01	.2122021567E+01	.1773717502E+01	.1030695353E+00	.3433385902E-02	.1150305052E+01	.1474338181E+01	55
06	.1170906285E+01	.6268280662E+00	.2722413904E+00	.3176050247E+00	.1177439267E+01	.1629196152E+01	.1197227054E+01	.1653965789E+01	56
07	-.2621065204E+00	.4674884496E+00	.2861745495E-01	.1101388274E+01	.1332424683E+01	.1275473169E+01	.6796865434E+00	.1203558805E+01	57
08	.2024551756E+01	.4400379486E+00	.1326795807E+01	.1124128197E+01	.2391563104E+01	.1989305304E+01	.2613240341E+01	.1652440990E+01	58
09	.1119370323E+00	.2024831937E+01	.2021814246E+01	.2026185022E+01	.8246575777E+00	.2734055470E+01	.2537369798E+01	-.2755050101E+01	59
10	.1243582054E+01	.2164039227E+01	.2814772538E+01	.2721129052E+01	.2549416885E+01	.2513518811E+01	-.2639830470E+01	.2546207875E+01	60
11	.2243365309E+01	.1408546061E+01	.2003169927E+01	.2875928504E+01	-.2153864286E+01	.2286988158E+01	-.3374778318E+00	.2375407402E+00	61
12	-.2835677568E+01	.3038427190E+01	.2157635829E+01	.2105167370E+01	.4520132667E+00	.3187932332E+00	.1150513482E+01	.3521956606E+00	62
13	.9276692592E+00	.2134807736E+01	.2129957939E+01	-.3767908141E+00	.1974551160E+00	.3247383391E+00	.1210532850E+01	.7046538923E+00	63
14	.2570042044E+01	.1653148292E+01	.6545525387E+00	.1331429239E+01	.9248450722E+00	.1494118536E+01	.5386412896E+00	.1289597776E+01	64
15	.9762969078E+00	.8151518253E-01	.5245313563E+00	.1932619715E+01	.1478123623E+01	.4121764969E+00	.1781774894E+01	.2521829291E+01	65
16	.1752366094E+01	.7637385580E+00	.1136008163E+01	.7037006369E+00	.2358553880E+01	.2447073368E+01	.1781686311E+01	.2085009316E+01	66
17	.1094588163E+01	.2893285089E+01	.2390951413E+01	.1656697910E+01	.1023238219E+01	.3047451795E+01	.2907464296E+01	.1577010104E+01	67
18	.1426192576E+01	.1190923840E+01	.1164759039E+01	.1950102046E+01	.1841356761E+01	.7604741428E-01	.1357129161E+01	.2110419591E+01	68
19	.1036677342E+01	.4505096630E+00	.1376870316E+01	.1622990154E+01	.1790021325E+01	.2375186484E+01	.1467376752E+01	.2233585853E+01	69
20	.6265763555E+00	.1106382374E+01	.1498352866E+01	.1458955805E+01	.1455397431E+01	.1700974512E+01	.2514587865E+01	.1481923287E+01	70
21	.2196720432E+01	.2638535612E+01	.1348382408E+01	.2082017676E+01	.3034822269E+01	-.2964598147E+01	.7936326021E+00	.2851908475E+00	71
22	.1726848012E+01	.2381029529E+01	.2925654371E+01	.2306400770E+01	.1785362444E+01	.4313427897E+00	.2406973432E+01	.1815439505E+01	72
23	.2199271456E+01	.1749626482E+01	-.2904550550E+01	.2913313290E+01	.8503030498E+00	.1344357315E+01	.3598203911E+00	.2262896291E+01	73
24	.2591962983E+01	-.3104316710E+01	.2494906511E+00	-.8137053489E+00	.1362884436E+01	.8578758015E+00	.1070405966E+01	-.1057929952E+01	74
25	.2948344294E+01	.3647376087E+00	.6865125336E+00	.1075603029E+01	.3572195643E+00	.1000883716E+01	.2185313027E+00	.1697149432E+01	75
26	-.8743250564E+00	.4978994977E+00	.6941480525E-01	.1161620927E+01	.4145964819E+00	.1182663544E+01	.2341227918E+01	.2461192708E+01	76
27	.4151283960E+00	.6098906052E+00	.2418722364E+01	.1384307424E+01	.1901779755E+01	.1240637270E+01	.2213896645E+01	.2072126846E+01	77
28	.1822046509E+01	.1462627685E+01	.6564134098E+00	.1799126321E+01	.2491609282E+01	.2815568708E+01	.2471082288E+01	.2709312932E+01	78
29	.1653213548E+01	.1540867670E+01	.2052578288E+01	.2665711382E+01	.3099097848E+01	.3039228739E+01	.1781817949E+01	.2717791787E+01	79
30	.2291140199E+01	.2916040742E+01	.2797894068E+01	.2204513437E+01	.1804415593E+01	.2265162215E+01	-.3130059807E+01	.1028426641E+01	80
31	.1012909343E+01	.2064070215E+01	.2655542967E+01	.1586236218E+01	.1258885282E+01	.6740036504E+00	.5149991030E-01	.4057338276E+00	81
32	.2359163492E+01	.8775286379E+00	.4143481840E+00	.2412360724E+01	.1882811668E+01	.7522579003E+00	-.1559423688E+00	.8716106347E+00	82
33	.1759338096E+01	.2381030636E+01	.2192729671E+01	-.8748257879E-01	.4989719248E+00	.5933804172E+00	.1510743514E+01	.1008140689E+01	83
34	.2249208126E+01	.1839412593E+01	.1590055444E+01	.1656321267E+01	.8583798830E+00	.2164998157E+01	.2311622327E+01	.1577113386E+01	84
35	.1567704093E+01	.1719677507E+01	.7170517938E+00	.1076245675E+01	.1728441589E+01	.1841057819E+01	.1812217329E+01	.2534753285E+01	85
36	.1265762115E+01	.5808312584E+00	.2039845210E+01	.2380293047E+01	.2040644426E+01	.6793964860E+00	.1439320423E+01	.1361935929E+01	86
37	.1537362653E+01	.3911178407E+00	.3341799016E+00	.7050481017E+00	.1005843052E+01	.1377957858E+01	.8936543224E+00	.2239447067E+01	87
38	.5650200045E+00	.2490658453E+01	.9199117770E+00	.5057336695E+00	.8757842043E+00	.2749891939E+01	.2026626368E+01	.8523455034E+00	88
39	.4829579949E+00	.4070949694E+00	.2405587423E+01	.1683015693E+01	.2556319272E+01	.1477811286E+01	.3129078811E+01	.2225859219E+01	89
40	.1903575270E+01	.1164372742E+01	.1044343970E+01	-.2866840761E+01	.1951317436E+01	.2255093711E+01	.1412526537E+01	.3092518888E+01	90
41	.1060418661E+01	.2886362785E+01	-.3059049584E+01	.2584495620E+01	-.2981425626E+01	.2635613123E+01	.2235410558E+01	.7058076607E+00	91
42	.3078115866E+01	.2548990286E+01	.2619513887E+01	.2027459096E+01	.1729971747E+01	.1232835092E+01	.3005721416E+00	.5111773935E+00	92
43	-.2823051889E+01	-.2980205702E+01	.1902563090E+01	.6491753641E+00	-.1109822866E+01	-.6969635821E-01	.5610980077E+00	.3345815808E+00	93
44	.1000011315E+01	.2004402323E-02	.4673041345E+00	.8950598754E+00	.1212790168E+01	-.8987990641E-02	.1525846861E+01	.2155434520E+01	94
45	.1154396338E+01	.8025050619E+00	-.6655917857E-01	.1426897900E+00	.1788187669E+01	.1669613927E+01	.5164504549E+00	.1180701438E+01	95
46	.1258699430E+01	.8307689488E+00	.1020963325E+01	.1230600688E+01	.1416991546E+01	.2787433102E+01	.2146724630E+01	.1636020947E+01	96
47	.9535368663E-01	.1835978339E+01	.1696254786E+01	.2483946310E+01	.1864432811E+01	.1560036873E+01	.2437978941E+01	.2511977951E+01	97
48	.1833175772E+01	.9308780956E+00	.3100639332E+01	.1782157101E+01	.2320368127E+01	.2472192412E+01	-.2899253024E+01	-.2968913666E+01	98
49	.1697859821E+01	.2763016005E+01	.1246400357E+01	.2632272778E+01	.1623723737E+01	.2195754775E+01	.1167919205E+01	.1700039939E+01	99
50	.2232539059E+01	.7670595933E+00	.8542955796E+00	.1021529258E+01	.2930509261E+01	.1475380472E+01	.1306929909E+01	.1258860909E+00	00

	5601- 5650	5651- 5700	5701- 5750	5751- 5800	5801- 5850	5851- 5900	5901- 5950	5951- 6000	
01	.1006226895E+01	-.2024312422E+00	.2158445030E+01	-.7409339901E-01	.3282738899E+00	.1414909819E+01	.1373217299E+01	.1007878895E+01	51
02	.1539383403E+01	.5724153153E+00	.9439200281E+00	.2296786735E+01	.2159933289E+01	.1578613164E+01	.8215679803E+00	.1720326206E+01	52
03	.1374488374E+01	.2723051037E+01	.1400146154E+01	.2468908774E+01	.1865162876E+01	.1107430428E+01	.2882145058E+01	.1182252393E+01	53
04	.2068621637E+01	.2412572991E+01	.2545439121E+01	.1491619699E+01	.2699674383E+01	.2257596001E+01	.1265487908E+01	.2572953714E+01	54
05	.8732320725E+00	.8109072470E+00	.1612056910E+01	.1056087087E+01	.1251123077E+01	-.3038997158E+01	.2626972136E+01	-.2848407717E+01	55
06	.1193426468E+01	.1160530192E+01	.1401528875E+01	.2664981486E+01	.2120404731E+01	.1317078207E+01	.2761571340E+01	.8973750186E+00	56
07	.2113058381E+01	.2145937626E+01	.2082927479E+01	.2194523672E+01	.1637213607E+01	.1745358231E+01	.1023462247E+01	.2104468664E+01	57
08	.3014865702E+01	.2843582368E+01	.2197573158E+01	.1550818259E+01	.2170290665E+01	.8158455019E+00	.1161086282E+01	.1240254025E+01	58
09	.1948529437E+01	.2462874957E+01	.1738861055E+01	.9088436112E+00	.1277307635E+01	.2130934055E+01	.1040196293E+01	.7181876614E+00	59
10	.1705577585E+01	.6000091865E+00	.2030421061E+01	.2447095241E+01	.8477040399E+00	.1454455938E+01	.1301665808E+01	.7614070776E+00	60
11	.1201989039E+01	.9521120507E+00	-.2222334644E+00	.3447043601E+00	.1337436803E+01	.4124596184E+00	.1907588172E+01	.1913813266E+01	61
12	-.4544276528E+00	.9053591745E+00	.2374277747E+00	.7118214744E+00	.8170146796E+00	.8001406926E+00	.1212907940E+01	.2054108628E+01	62
13	.1327715019E+01	.1522095654E+00	.1731019563E+01	.8356675275E+00	.1522366717E+01	.2323295562E+01	-.4840158366E-01	.9159831479E+00	63
14	.1054083459E+01	.2151986997E+01	.2430155481E+01	.1895791071E+01	.1242309730E+01	.1061062371E+01	.2222006330E+01	.1117764543E+01	64
15	.2062692737E+01	.2287957880E+01	.9358278913E+00	.2652529583E+01	.1894114813E+01	.1951509828E+01	.2651005461E+01	.1770711605E+01	65
16	-.2786685840E+01	.1471455342E+01	-.3137671092E+01	.2305690943E+01	.2697496121E+01	.2952147161E+01	.2671327270E+01	-.3081284684E+01	66
17	.1231307338E+01	-.2701919226E+01	.2195511803E+01	.2896523797E+01	-.2466936952E+01	.2881334029E+01	.2627372607E+01	.3071506006E+01	67
18	.1648592926E+01	.1707067069E+01	.2601178011E+01	.9442471864E+00	-.1174251003E-01	.1264723264E+01	.5435578282E+00	.3781128108E+00	68
19	.2559422271E+01	.2452492346E+00	-.6114636497E+00	.9894599475E+00	-.3840959384E-01	-.3368460065E+00	.9896749035E+00	.8299728665E+00	69
20	.6560454327E+00	.1630786463E+01	.1498194247E+01	.5749302765E+00	.2277607341E+01	.9236026191E+00	.7891736563E+00	-.2472261531E+00	70
21	.9308535700E+00	.1205105991E+01	.1153208576E+01	.1499911749E+01	.7364328118E+00	.1125941796E+01	.2964181890E+00	.2179009734E+01	71
22	.2036751451E+01	.1984702096E+01	.2162287680E+01	.1140677365E+01	.1544188048E+01	.2176220383E+01	.1168725450E+01	.1196048589E+01	72
23	.3093014486E+00	.5372466040E+00	.1560372228E+01	.1874101930E+01	.2211195229E+01	.2203340321E+01	-.2716993710E+01	.2304774223E+01	73
24	.2183898971E+01	.1207911887E+01	.5417680349E+00	.2492937899E+01	.1402886450E+01	.1773436630E+01	.2129979082E+01	.2247534403E+01	74
25	.6231291806E+00	.1994323506E+01	.1918824883E+01	.1244294216E+00	.1849463760E+01	.8531410727E+00	.1040372069E+01	.1682365829E+01	75
26	.1945673422E+01	.2087562278E+01	.1989183755E+01	.1895663371E+01	.2092680608E+01	.1844761851E+01	.1806835041E+01	.2701532947E+01	76
27	.2041697318E+01	.1275593929E+01	.1954360547E+01	.3011032771E+01	.1067854965E+01	-.2719041364E+01	.2481280617E+01	.7069389464E+00	77
28	.2864516871E+01	.3111533740E+01	-.2775388604E+01	.2836141365E+01	-.2942219906E+01	.3559356731E+00	.1469237760E+01	.1468146888E+01	78
29	-.3097525841E+01	.2816651868E+01	.9254948079E+00	.1173809011E+01	.7724863034E+00	.1779933770E+01	.1126752148E+01	.1511258860E+01	79
30	-.3120947025E+00	-.3960452650E+00	.4008952160E+00	-.6007983795E+00	.1370127256E+01	.1373176830E+01	.1341522902E+01	.1871219350E+01	80
31	.1259454945E+00	.6130071224E+00	.1299907721E+01	.1567602808E+01	-.1152753346E+00	.7732619968E+00	.1274912942E+00	.3362112702E+00	81
32	.1567257112E+01	.7871061985E+00	.4463467066E+00	.1328437039E+01	.8253306199E+00	.3206415703E+00	.1685051728E+01	.6071739873E+00	82
33	.1879791804E+01	.1945404516E+01	.9624255659E+00	.1317243591E+01	.1856483689E+01	.1225401769E+01	.1539667925E+01	.1483994913E+01	83
34	.1301020696E+01	.1557203622E+01	.2386342354E+01	.9627196342E+00	.2579729492E+01	.2785960833E+01	.1752724476E+01	.3073999598E+01	84
35	.1446451971E+01	.2840144070E+01	.2836105356E+01	-.2672905230E+01	.2618944984E+01	.2569621878E+01	.2097158053E+01	.1627922138E+01	85
36	.2877270522E+01	.1646819879E+01	.2420506411E+01	.2336133165E+01	.1390125818E+01	.2828745722E+01	-.3074448510E+01	.2348147775E+01	86
37	.1564861484E+01	.1033938554E+01	.7582993165E+00	.1686728720E+01	.2736503919E+01	.1520221524E+01	.2517461818E+01	-.3087709043E+01	87
38	.1821325721E+01	.2939480229E+01	.1967149435E+01	.1660813673E+01	.1297387536E+01	.7490504178E+00	-.1676024621E+00	-.3082185448E+00	88
39	.1691346396E+01	.1529999085E+01	.1954266460E+01	-.3954037071E-02	-.1378679603E+00	.9159843117E+00	-.1293451393E+00	.1027376640E+01	89
40	.1788057216E+01	.7425375869E+00	.8908193480E+00	.1372092952E+01	.1511602780E+01	.9115933425E+00	.1756617310E+01	.5225551056E+00	90
41	.1499084430E+01	.1343649472E+01	.5122378459E+00	.2579307055E+01	.9516355498E+00	.1727523222E+01	.2553809010E+01	.1509591779E+01	91
42	.6593155383E+00	.1570308053E+01	.2293849664E+01	.7764161006E+00	.3088987381E+01	.1710851240E+01	.7128412207E+00	.2198730284E+01	92
43	.4775278565E+00	.9485795056E+00	.4969527875E+00	.8645757636E+00	.2273947123E-03	.1176103817E+01	.2109385954E+01	.2385877257E+01	93
44	.1385801234E+01	.8143233995E+00	.1433542144E+01	.1319136127E+01	.1737760096E+01	.2100728668E+01	.1085733064E+01	.9125158678E+00	94
45	.1095117663E+01	.9772512084E+00	.2071096585E+01	.2103315114E+01	.1852153804E+01	.1507092429E+01	.2661665713E+01	.1961954626E+01	95
46	-.2977155976E+01	.2768439292E+01	.1870746840E+01	.2935717040E+01	.2447415811E+01	.1887677632E+01	.1359519402E+01	.1732099599E+01	96
47	.1892327564E+01	-.2405366785E+01	.2664213159E+01	.1776667197E+01	.2959937488E+01	.2213072009E+01	.2820672380E+01	.2787702256E+01	97
48	.3118976946E+01	.1557612732E+01	-.3057280006E+01	.2624814472E+01	.1903084374E+01	-.3075669067E+01	.1304853887E+01	.1723484197E+01	98
49	.6658026354E+00	.1354612184E+01	-.1338466571E+00	.9772284733E+00	.2747539233E+00	-.6715945457E+00	.1752502757E+01	.8034750937E-01	99
50	.1693658585E+01	-.6699269951E+00	.7213966596E+00	-.2506879410E+00	.2125801018E+00	.6928076505E+00	-.4169543874E+00	.1253886910E+01	00

	6001- 6050	6051- 6100	6101- 6150	6151- 6200	6201- 6250	6251- 6300	6301- 6350	6351- 6400	
01	.1561262988E+01	.8440930206E+00	.5540776829E+00	.1816369005E+01	.1640476636E+01	.2301998757E+01	.1946822325E+01	.1961488828E+01	51
02	.2475635673E+00	.1239153621E+01	.2116117719E+00	.1019772620E+01	.3328917956E+00	.1307886075E+01	.1658274315E+01	.1135767473E+01	52
03	.1730558723E+01	.1633577349E+01	.1934178873E+01	.5827116811E+00	.1522000519E+01	.4598632153E+00	.2071070989E+01	.1623471803E+01	53
04	.2076678814E+01	.2222616069E+01	.2006829508E+01	.1376988445E+01	.2607770070E+01	.1894953696E+01	.1050291800E+01	.1797290546E+01	54
05	-.2879518239E+01	.2274830051E+01	.3130843771E+01	-.2664254439E+01	.1151229408E+01	.2158615667E+01	.1646458011E+01	.2429337987E+01	55
06	.2642134750E+01	.2943475643E+01	.2526670695E+01	.1660721542E+01	.2447128997E+01	.2639475444E+01	.1800593326E+01	.7462577205E+00	56
07	.5314022573E+00	.1920364502E+01	.1374866456E+01	-.2663690763E+01	-.3073955059E+01	.2040060912E+01	.2685113503E+01	.2275076941E+01	57
08	.1051422760E+01	.1612612100E+00	.1494842371E+01	-.6696533503E+00	.1604021107E+01	.2275984491E+01	.2946041826E+01	.2780376572E+01	58
09	.1145993942E+01	.1867219520E+00	-.2869572948E+00	.9445919417E+00	-.7733587726E+00	-.7052413799E-01	-.1745121677E+00	.1569702133E+01	59
10	.8996223430E+00	.1628713871E+01	.7731992419E+00	.1191367311E+01	.5844573809E+00	.1005929464E+01	.5527086241E+00	.5421010415E+00	60
11	.2079463925E+01	.1051441362E+01	.2000821226E+01	.1436967180E+01	.1492820423E+01	.5190826449E+00	.1219879641E+01	.3982734496E+00	61
12	.1187507160E+01	-.2905383282E+01	.2028893973E+01	.1659786915E+01	.2486451481E+01	.1617907352E+01	.1730779810E+01	.5698552610E+00	62
13	.1743887676E+01	-.1443833087E+00	.2051254391E+01	.2044718030E+01	.1598792416E+01	.1561202668E+01	.3240886858E+00	.2031898071E+01	63
14	.1290136539E+01	.1784405753E+01	.1591467957E+01	.1639136705E+01	.2136616172E+01	.2858938625E+01	.2548947329E+01	.2237985326E+01	64
15	.2020913024E+01	.2718979114E+01	.1034833163E+01	.2454426865E+01	.1713238438E+01	.2617745949E+01	.3128360599E+01	.1492108064E+01	65
16	.2695203981E+01	.2401482077E+01	.2429240140E+01	.1712048635E+01	.2209489796E+01	.1254029886E+01	.2223481894E+01	-.2811369541E+01	66
17	.1737417850E+01	.1799830689E+01	.2589976014E+01	.1141800351E+01	.1824832586E+01	.6699615361E+00	.1748524191E+01	.1361418269E+01	67
18	.2440721629E+01	.1748203080E+01	.1500648561E+01	.2126966068E+01	.1113794436E+01	.3107711985E+01	.1623554785E+00	.1962956275E+01	68
19	.1744015310E+00	.7797931487E+00	.1109470948E+01	.1981000432E+01	.1486689216E+01	.7682888847E-01	.1823763404E+01	.7333357198E+00	69
20	-.3153980903E+00	.8674935975E+00	.9176613527E-02	-.1286143706E+00	.9443156981E+00	.1992002788E+01	.1593125497E+01	.6394922895E-02	70
21	.1229330058E+01	-.2385753344E+00	.7007901999E+00	.9660808783E+00	.1685595096E+01	.6370286075E+00	.8635643973E+00	.1389505713E+01	71
22	.2093956563E+01	.2128084921E+01	.2505542680E+01	.1055685218E+01	.2887985622E+00	.1617320259E+01	.1888893097E+01	.3105697068E+01	72
23	.2539096092E+01	.1584086758E+01	.8994535239E+00	.2173745518E+01	.1383651381E+01	.1627430003E+01	.5656712481E+00	.8362848343E+00	73
24	.1625857132E+01	-.3122638691E+01	.2148739002E+01	.1822871149E+01	.1834191494E+01	.6080607371E+00	.1201767395E+01	.7224522761E+00	74
25	.2449352429E+01	.2181174923E+01	.2500535483E+01	.2492609006E+01	.2423468259E+01	.2282933183E+01	.2717644812E+01	.1761449053E+01	75
26	.1564384159E+01	.2229396319E+01	-.2721889824E+01	.2822544557E+01	-.2619360183E+01	.2918342575E+01	.2439930325E+01	.2231005983E+01	76
27	.2471770586E+01	.1005057632E+01	.3105154264E+00	.1853044624E+01	.1649774975E+01	-.2852883340E+01	.2244414336E+01	-.2911695172E+01	77
28	-.2051303655E+00	.2283134549E+00	.9225108676E+00	.3089956659E+00	-.1420755352E+00	.2324822961E+00	.2303176786E+01	.1907085886E+01	78
29	.1202867874E+01	.2613559501E+01	.5810305208E+00	.8245397206E+00	.1616863517E+01	.7312032171E+00	.6647306155E+00	.9139902413E+00	79
30	.2505020585E+01	.1503031120E+00	.2183929864E+01	.7858520514E+00	.1060106860E+01	.3385732371E+00	-.2130611722E+00	.5481807740E+00	80
31	.9842650420E+00	.1904970282E+01	.1616049801E+01	.1644180358E+01	.5538183287E+00	.1234015058E+01	.9778355652E+00	.8369690140E+00	81
32	.7786172467E+00	.1633740178E+01	.6152232329E+00	.2470405292E+01	.1464540965E+01	.2433080930E+01	.1321598168E+01	.6387220768E+00	82
33	.1714007898E+01	.1255882292E+01	.2194852799E+01	.1544733009E+01	-.2959821175E+01	.1761376040E+01	.2469746705E+01	.1733941801E+01	83
34	.1183690891E+01	.1785513344E+01	.8886826609E+00	.8835421708E+00	.1067547104E+01	.1427823426E+01	.2796646635E+01	.2637434883E+01	84
35	.2137204872E+01	.1448812153E+01	.2694362926E+01	.1253856537E+01	.1337645457E+01	.2206972253E+01	.7789498175E+00	.1965713847E+01	85
36	-.2475948152E+01	.2275740660E+01	.2031493660E+01	.3075694972E+01	.2346568698E+01	.1559386805E+01	.1437887503E+01	.2571807471E+01	86
37	.2133365890E+01	-.2297882015E+01	.2758111872E+01	.3120512965E+01	.2110643158E+01	-.2660073729E+01	-.2977686877E+01	.1134410646E+01	87
38	-.1606939389E+00	.2174867362E+00	.1445766944E+01	.3323121574E+00	.2284281431E+01	.9772207100E+00	.1088709677E+01	.1860106596E+01	88
39	.9813090659E+00	-.2832475124E+00	.1312455220E+00	.1443215227E+01	.1046452646E+01	.1251024335E+01	.1398977090E+01	.6380422662E+00	89
40	.1173395466E+01	.1289827582E+01	.1109906208E+01	.8055691442E+00	-.2688534241E+00	.2298722286E+01	.1011466211E+01	.2465451506E+01	90
41	.1074743725E+01	.1756722855E+01	.1175543664E+00	.3782296819E+00	.1561554780E+01	-.9273670609E+00	.1662173770E+01	.8182607832E+00	91
42	.1617046573E+01	.1133549004E+01	.1116469723E+01	.1591908875E+01	.7839325006E+00	.1451465193E+01	.8707933850E-01	.2404139833E+00	92
43	.1622015316E+01	.2319248157E+01	-.2873050249E+01	.1558525572E+01	.1790709681E+01	.1363412405E+01	.1789869973E+01	.1926887145E+01	93
44	-.2946260240E+01	.2429845511E+01	.2590092839E+01	.2213605945E+01	.2849149119E+01	.2731761364E+01	.1401990203E+01	.1566097961E+01	94
45	.1043086887E+01	.1429575895E+01	.1319418233E+01	-.2691875141E+01	.1418477625E+01	.2389121545E+01	.1966800032E+01	.1685619532E+01	95
46	.1189769972E+01	.2311495570E+01	.1825179280E+01	.9823334824E+00	.2982652212E+01	.2274806248E+01	.2792704979E+01	.2261588743E+01	96
47	.2723484750E+01	.1760577727E+01	.2203753331E+01	.2039921279E+01	.2379981383E+01	.2392783772E+01	-.2819690086E+01	.2182210095E+01	97
48	.1702115132E+01	.8124027602E+00	.1191405617E+01	.7023007722E+00	-.2270776298E+00	.8551333609E+00	.5323104795E+00	-.2666739659E+01	98
49	.1120825839E+01	.1077751144E+01	.2520515274E+00	.1074516354E+01	.7309983565E+00	.6634290629E+00	.2066224403E+00	-.7085339614E+00	99
50	.6922499929E+00	.2302064150E+01	.1804884686E+01	.1706424863E+01	.1601682524E+01	.4244334001E+00	.9768552848E+00	.1383837744E+00	00

	6401- 6450	6451- 6500	6501- 6550	6551- 6600	6601- 6650	6651- 6700	6701- 6750	6751- 6800	
01	.2129836913E+01	.2524059206E+00	.6473204979E+00	.1578407998E+00	.5189580513E+00	.9181773169E+00	.1490824314E+01	.2200172034E+01	51
02	.7545256884E+00	.4871051148E+00	.1675507340E+01	.4781615279E+00	.2047112065E+01	.1827647710E+01	.2211717680E+01	.8019540514E+00	52
03	.2468681922E+01	.2159130781E+01	.6613107344E+00	.6389198034E+00-	.3055757258E+00-	.1262273308E+00	.1200449439E+01	.4863535274E+00	53
04	.1983500569E+01	.1275449208E+01	.1567696476E+01	.1585959757E+01	.8168230402E+00	.1168794713E+01	.7115254872E+00	.2972287983E+01	54
05	.1545008054E+01-	.2608297390E+01	.2362117850E+01	.2424220265E+01	.1258799929E+01	.1655178814E+01-	.1399182729E+00	.3010050682E+00	55
06	.1016971923E+01	.7561638302E+00	.2696929348E+01	.2412668860E+01	.3096976416E+01	.5561092849E+00	.1258404445E+01	.8517072975E+00	56
07	.2974389396E+01	.1839989647E+01	.1702133836E+01	.1793987412E+01	.2346827178E+01	.2727208510E+01-	.3071277654E+01	.1453356715E+01	57
08	.2143399551E+01	.1832458874E+01	.1586637515E+01	.1482696686E+01	.2392964209E+01	.2546305065E+01	.1609748639E+01	.1080223620E+01	58
09	.9133756759E+00	.2768837320E+01	.1890977024E+01	.3029646333E+01	.1537029637E+01	.2758699923E+01	.1175965290E+01	.3060000332E+01	59
10	.1734712874E+01	.5625555372E-01	.6154540774E+00-	.7561282341E-03	.1471121525E+01	.2097612315E+01-	.2097883383E+01	.2630669006E+01	60
11	.5445964799E+00	.1592865218E+01	.1937222982E+01	.1099800079E+01	.1210942376E+01-	.7403519482E+00	.1576420449E+01	.2861708436E+01	61
12	.1432575526E+01	.1244265200E+01	.1650395681E+01	.1791326292E+01	.3563524971E+00	.1480018586E+01-	.1063499793E+00	.3671069912E+00	62
13	.1948001884E+00	.8367066575E+00-	.1170363140E+00	.1917077454E+01	.1887811191E+01	.1782142340E+01	.5697099758E+00	.7038216390E+00	63
14	.8616443379E+00	.9850138978E+00	.1337488560E+01	.7948641684E+00	.1761968629E+01	.1932293084E+01	.1780631732E+01	.1388980357E+01	64
15-	.2963706901E+01	.2181517851E+01	.1727364391E+01	.4655449655E+00	.6409883279E+00	.6462059200E+00	.1461589719E+01	.5519625569E+00	65
16-	.2993055921E+01	.1563210567E+01	.2510014393E+01	.1672891466E+01	.1974185833E+01	.1375989504E+01	.2335111860E+01	.1503033384E+01	66
17	.1869626791E+01-	.2733372589E+01	.2116668211E+01	.2926656451E+01	.1623483603E+01	.2217267382E+01	.1141171196E+01	.2436507994E+01	67
18	.1528522719E+01	.2610192654E+01	.2346166070E+01	.2494925856E+01	.1707307646E+01	.1238035801E+01	.1046638582E+01	.1974476163E+01	68
19	.9960312701E+00	.7351764126E+00	.2730915254E+01	.2649786157E+01	.2075510755E+01	.2678244206E+01	.2265407125E+01	.1642948625E+01	69
20	.8377297525E+00-	.4306753979E+00	.1958641218E+00	.1363031294E+01-	.2167758229E+01	.1856959081E+01	.2166688412E+01	.3599283846E+00	70
21	.7612674907E+00	.1497205595E+01	.3563297216E+00-	.7982566238E-01-	.4289848549E+00	.2884117162E+01	.3025397298E+01	.2950203763E+01	71
22	.1636940556E+01	.1773695094E+01	.1637803075E+00	.4121659451E+00	.4990501852E+00	.5546085125E+00	.1109966273E+01	.3103868220E+01	72
23	.2033195384E+01	.1894334089E+01	.2068009985E+01	.2177149257E+01	.8914935352E+00-	.3934009696E+00	.3430038835E+00	.9792510345E+00	73
24	.1678773334E+01	.1420640024E+01	.3070874676E+01	.6198737612E+00	.1764112490E+01	.1372993670E+01	.1214894902E+01	.1868934870E+00	74
25	.6932055229E+00	.1379439939E+01	.6627980102E+00	.1941399643E+01	.1726485271E+01	.1229935846E+01	.1003145745E+01	.1239135132E+01	75
26	.2480519914E+01	.1415335186E+01	.2166398071E+01	.3116566573E+01	.1709051998E+01	.1904329672E+01	.6421585483E+00	.7355184505E+00	76
27	.1488214979E+01-	.3118737313E+01	.1732258911E+01	.1497270023E+01	.1991657789E+01	.2545826619E+01	.1725087139E+01	.1648398810E+01	77
28-	.3020336050E+01	.1141088060E+01	.1670097505E+01	.1397006877E+01	.2757549759E+01	.2493974172E+01	.2637986340E+01	.1569535070E+01	78
29	.2011038266E+01	.2212960916E+01	.2960936315E+01	.2085138178E+01	.1410594066E+01	.1208665940E+01-	.2741474761E+01	.2843737114E+01	79
30	.3923703178E+00	.2187177492E+01	.1052188120E+01	.1591441098E+01	.1469552320E+01	.2033334568E+01	.5499933404E+00	.1856522545E+01	80
31-	.4035430735E+00	.9310693954E-01	.1209255867E+01	.2326489007E+01	.1595466511E+01	.1947447921E+01	.2244450157E+01-	.3052553997E+01	81
32	.1272196232E+01	.1431817807E+00	.7072047590E+00	.7694851603E-02	.1013910583E+01	.7357713767E+00	.1019512611E+01	.3267724434E+00	82
33	.2184050713E+01	.1303431971E+01	.1074870593E+01	.8904377840E+00	.1946250470E+01	.4671033933E+00	.1018398560E+01	.1270062765E+01	83
34	.1902022765E+01	.1884229783E+01	.7879457310E+00	.1343073000E+01	.1700740730E+00	.2133990793E+01	.1655446721E+01	.2678400471E+00	84
35	.1302778067E+01	.1710942988E+01	.1955181459E+01	.1688114001E+01	.1439532350E+01	.1811433766E+01	.7741260672E+00	.1491046693E+01	85
36	.2834093102E+01-	.3050550938E+01	.1236907347E+01	.1413939827E+01	.8976881232E+00-	.1618784866E+00	.1907111957E+01	.2934143080E+01	86
37	.2623014084E+01	.1615139960E+01-	.2723165041E+01	.1441653288E+01	.1996090721E+01	.1900149667E+01	.1067653551E+01	.4529989211E+00	87
38	.1374492546E+01	.2416966077E+01-	.3086355773E+01-	.2487263926E+01-	.2866852840E+01	.2054059549E+01	.1557237282E+01	.7005915797E+00	88
39	.4972865972E+00	.1057978643E+01-	.2109075111E+00	.2591044221E+01	.2189693624E+01	.2225432579E+01	.1822535862E+01	.2255610209E+01	89
40	.1267615828E+01	.7030690441E+00	.1609247388E+01	.7606809342E+00	.2183505557E+01-	.2331196072E+01	.2890030596E+01	.2855460592E+01	90
41	.1740097353E+01	.1354166942E+01	.1264049512E+01	.1983565941E+00	.5445646505E+00	.8589504775E+00	.2352742672E+01	.1760930674E+01	91
42	.1872353695E+01	.1130038507E+01	.1156456521E+01	.6852727982E+00	.1025496453E+01	.2082589715E+00	.2274730684E+01	.2582672863E+01	92
43-	.4403924551E-01	.1508756077E+01	.9062182093E+00	.1938681329E+01-	.1777445618E+00	.1366386504E+01-	.7302589242E+00	.1488993280E+01	93
44	.1600039649E+01	.2226291181E+01	.2306566881E+01	.1662776130E+01	.1737685511E+01	.8597 36223E-01	.4898899709E+00	.4432505237E+00	94
45	.2049688218E+01	.5058998951E+00	.9387686840E+00	.2198463452E+01	.2036609971E+01	.2049184963E+01	.1183513227E+01	.2482422406E+00	95
46	.1922835249E+01	.1218360298E+01	.2299986817E+01	.5811592338E+00	.2825736810E+01	.2091712816E+01	.2433864348E+01	.7700994588E+00	96
47	.2191412786E+01	.2524827311E+01	.6705440587E+00	.1631992213E+01	.9202662780E+00	.1898100427E+01	.1833900199E+01	.1815605792E+01	97
48-	.2724405363E+01-	.2778560071E+01	.2883839131E+01	.2653786207E+01	.6494091192E+00	.1779952230E+01	.2052728634E+01	.2573632054E+01	98
49	.2021886304E+00	.2263200196E+01	.2805856236E+01	.2457418644E+01	.3017635654E+01	.2185599574E+01	.1319768994E+01	.2378198499E+01	99
50	.1456548853E+01-	.2640331013E+00	.1948468953E+01	.1936883954E+01	.2819401833E+01	.1582358417E+01	.2522842953E+01	.1801986889E+01	00

	6801- 6850	6851- 6900	6901- 6950	6951- 7000	7001- 7050	7051- 7100	7101- 7150	7151- 7200	
01	.1852943169E+01	-.3004158667E+01	.2295816939E+01	.2989992764E+01	.8174875839E+00	.7622243509E+00	.2179447958E+01	.1511156058E+01	51
02	.1527730377E+01	.1447256318E+01	.2779274656E+01	.2349730110E+01	.9184182079E+00	.1469810807E+01	.4970413701E-01	.2501545404E+01	52
03	.1542731239E+01	.6173199039E+00	.1891320083E+01	.3092458242E+01	-.2919683246E+01	.2175248438E+01	.9405967153E+00	.2498877529E+00	53
04	.1240863225E+01	.1229280700E+01	.1199473942E+01	.1221860747E+01	-.2700226814E+01	.2340489425E+01	.2018476900E+01	.2272446592E+01	54
05	.1035294146E+01	.2044050314E+01	.1573941069E+00	.8434909566E+00	.1679105353E+01	.2549990482E+01	-.3002079933E+01	.6497768756E+00	55
06	.1109779728E+01	.7671982100E+00	.1246004634E+01	.1503100835E+01	-.5829664978E-01	.2535609885E+01	.2209770405E+01	.2267991017E+01	56
07	.1408756845E+01	.1631202491E+01	.1870779920E+01	.5514658333E+00	.1329088615E+01	.1065385848E+01	.2537704694E+01	.3095153324E+01	57
08	.1646777090E+01	.6239061708E+00	.1822624492E+01	.7174347646E+00	.4805249077E+00	-.5395374663E+00	.5628688622E+00	.2815699258E+01	58
09	.6194417709E+00	.1798337621E+01	.1130583139E+01	.2328517018E+01	.1989460834E+01	.1001214246E+01	.9093661358E+00	.1134401089E+01	59
10	.2365641914E+01	.2019360759E+01	.1207720278E+01	.2442991072E+01	.1800066825E+01	.1328382269E+01	.3607424608E+00	-.4903832826E+00	60
11	-.3024920853E+01	.1865803092E+01	.8126470286E+00	-.1067286968E+00	.1632699762E+01	.2630779692E+01	.9601850724E+00	.7569618876E+00	61
12	-.3076459762E+01	.2358257819E+01	.2888719753E+01	.2319764038E+01	.1058202752E+01	.2154768820E+01	.1813406041E+01	.1626219987E+01	62
13	-.3614198866E+00	-.2983104228E+01	-.2582827818E+01	.2182944584E+01	.2451828112E+01	.5762868904E+00	.2657302379E+01	.2161952429E+01	63
14	.8024932011E+00	.1131882309E+00	.1092228751E+01	.2522199086E+01	.1625558978E+01	.2010633429E+01	.2064966146E+01	.1140856539E+01	64
15	.2784680563E+00	.8920445148E+00	.1335538564E+01	.2850063845E+01	.2658587140E+01	.2146530496E+01	.7262424976E+00	.2158600976E+01	65
16	.2625442485E+01	.2895453995E+00	.4314709287E+00	-.9377947777E-01	.1161187011E+01	.2904254989E+01	.2907510729E+01	.2691100369E+01	66
17	.7391356293E+00	.1042296301E+01	.8500594258E+00	.1075413208E+01	.2390193305E+01	.3781263392E+00	.7676853847E+00	.1888607027E+01	67
18	.2048326150E+01	.1487730382E+01	.7666484014E+00	.2581449273E+00	.7265831575E-01	.2189456863E+01	.2773654801E+01	.1174468464E+01	68
19	.2686285120E+01	-.2600736826E+01	.1447927895E+01	.1364638942E+01	.1802361439E+00	.1030769653E+01	.1513431216E+01	.1621694669E+01	69
20	.6541303237E+00	.9079342473E+00	.2692665013E+01	.2281814996E+01	.1058773326E+01	.3224813867E+00	.3803803576E+00	.9122925978E+00	70
21	.2589029668E+01	.1981316629E+01	.2901904522E+01	.1252612265E+01	.1808239109E+01	.8194587217E+00	.6345423189E+00	.2483947930E+01	71
22	.2262536884E+01	.1658104170E+01	.1225755123E+01	.3034775035E+01	.3087447760E+01	.1921441863E+01	.1588721460E+01	-.2324193879E-01	72
23	.1012631163E+01	.2809406768E+01	.1669833044E+01	.1764253128E+01	.1806544686E+01	.1693137978E+01	.1460185048E+01	.7217602421E+00	73
24	.1886241969E+01	.9119747237E+00	.2099503563E+01	.2652909422E+01	.1905708253E+01	.2111452806E+01	.1598425439E+01	.1919716929E+01	74
25	.1366271557E+01	.6887038170E+00	.1064962121E+01	.7564904121E+00	.2791020615E+01	-.2386102903E+01	.2340741639E+01	.1954751974E+01	75
26	.1984229000E+00	.1880368450E+01	.1213496013E+01	.3694365316E-01	.6831595249E+00	.1102018734E+01	.1964165000E+01	.1542033661E+01	76
27	.2165301213E+00	.1364314459E+01	.1710025337E+01	.2169066294E+01	.8731866940E+00	.1189520531E+01	-.2295765542E+01	.2965533560E+01	77
28	.2282558867E+01	.6944645435E-01	.2283804577E+00	.2301620462E+01	.1063408970E+01	.3688449218E+00	-.4437200648E+00	.2555162830E+01	78
29	.1611841542E+01	.1149603865E+01	.1536227060E+01	.2484812172E+00	.1096102279E+01	.1551089529E+01	.4118218672E+00	.1062763419E+01	79
30	-.3005638553E+01	.2565351019E+01	.1495158342E+01	.1095959452E+01	.2584302613E+01	.1786920698E+01	.1841349654E+01	.3646681329E+00	80
31	.2289428309E+01	.2470424339E+01	.2204231154E+01	.1391275326E+01	.6055633714E+00	.3539496061E+00	.1190818797E+01	.9012760526E+00	81
32	.1460155250E+01	.2969553485E+01	.1494462236E+01	.2492616391E+01	.1411847457E+01	.2305527515E+01	.1908549620E+01	.6195101876E+00	82
33	.2272519552E+01	.2233591586E+01	.2880064684E+01	.2050176610E+01	.1727015129E+01	.2014343677E+01	.1689494774E+01	.1608436749E+01	83
34	-.7233103557E+00	.1570693730E+00	-.2935173561E+01	.2597785019E+01	.1887914377E+01	.1123308077E+01	.1194459741E+01	.2962272980E+01	84
35	.1227332577E+01	.4028894982E+00	-.2802946045E+00	.2480883251E+01	-.3074255517E+01	.1676832633E+01	.1783632865E+01	.1764474142E+01	85
36	.1617765952E+01	.1786543356E+01	.2364774572E+00	.8856586139E+00	.2798028700E+01	.2429442299E+01	.1998078059E+01	.6449800946E+00	86
37	.2120962666E+01	.5835477883E+00	.7799841047E+00	-.1959042662E+00	-.4016881962E+00	-.2863094807E+01	.2633827204E+01	.1659437364E+01	87
38	.1861854515E+01	.2528326361E+01	.2315877902E+01	.8139892882E+00	.2215572857E-01	.4655556462E+00	.1954767114E+01	.3111136894E+01	88
39	.8865690074E+00	.9869920654E+00	.1828283678E+01	.1633347436E+01	.2466019323E+01	.3511639046E+00	.1253547889E+01	.2338571700E+01	89
40	.1270032087E+01	.2404244282E+01	.1723553742E+01	.1762524360E+01	.5722343108E+00	.1740441115E-01	.1019361492E+01	.8776524759E+00	90
41	.2615565134E+01	.1803823399E+01	.1243448015E+01	.1963093013E+01	.8277043153E+00	.2015326024E+01	.3443138982E+00	.4189100445E+00	91
42	.2364408498E+01	.1255646633E+01	.2271287209E+01	.2883117185E+01	.3026206910E+01	.1760026195E+01	.7423991772E+00	.1680908207E+01	92
43	.2665622778E+01	.2467954825E+01	.2336115083E+01	.6463940540E+00	.2394133383E+01	.1713855058E+01	.1337027621E+01	.6614084990E+00	93
44	.7895796158E+00	.2197154673E+01	.1020461615E+01	.1547333759E+01	.2267684483E+01	.2647749710E+01	.1551945543E+01	.6481244122E+00	94
45	-.5147352425E-02	.1909609225E+01	.2644426414E+01	.3097777483E+01	.1116429112E+01	.2174813755E+01	-.2242472686E+01	.2134483904E+01	95
46	.1255705033E+01	-.8309020543E+00	.7819167606E+00	.1433344854E+01	.1583294323E+01	.1438529177E+01	.1743828372E+01	.2635742822E+01	96
47	.8998810694E+00	.3804614967E+00	.1253744433E+01	.6531154689E+00	.1834232815E+01	.2370160120E+01	.1412484620E+01	.2715150609E+01	97
48	.2107745056E+01	.2579774802E+01	.8001552358E+00	.1407889888E+01	.1363353613E+01	-.3470740661E+00	.2046369895E+01	.2440526274E+01	98
49	.9731465134E+00	.1197272751E+01	.4827009550E+00	.4935699396E+00	.9369965808E+00	.1916406165E+01	.1197614000E+01	.1101707132E+01	99
50	.2775654717E+01	.2087582110E+01	.1090628680E+01	.1959207955E+01	.1162380240E+01	.1407076933E+01	.2587696170E-01	-.9458868153E-02	00

	7201- 7250	7251- 7300	7301- 7350	7351- 7400	7401- 7450	7451- 7500	7501- 7550	7551- 7600	
01	.1514166005E+01	.3045316668E+00	.2987755501E+01	.2802576351E+01	.1191021824E+01	.3550369209E+00	.1742712264E+01	.2607579088E+00	51
02	.1840866070E+01	-.3412963501E+00	-.1917347651E+00	-.2599342195E+01	.1813061976E+01	.2225432421E+01	.1750603888E+01	.2145140223E+01	52
03	.1107171057E+01	.1416000231E+01	.1197426444E+01	-.3112435284E+00	-.2478584091E+01	.2876081572E+01	.9810095215E+00	.2165642955E+01	53
04	.1866703947E+01	.2833420455E+01	.5347044658E+00	.4169891767E+00	.1954872158E+01	.2299014961E+01	.1614397313E+01	.1400000681E+01	54
05	.4847216231E+00	.1754021010E+01	.1810115753E+01	.1137879482E+01	-.4569767660E+00	.2539784559E+01	.1731759946E+01	.1619076581E+01	55
06	.2049312314E+01	-.3091169369E-01	.1207466990E+01	.1867927129E+01	.5289626037E+00	.1010221745E+00	-.1869817372E+01	.1959572831E+01	56
07	.2845140179E+01	.2652254097E+01	.2716864891E+01	.1206728671E+01	.1288737447E+01	.9504889027E+00	.4551213005E+00	.2633430461E+01	57
08	.8622406777E+00	.1702923797E+01	.1600086161E+01	.1611937613E+01	.1369850627E+01	.1014298415E+01	.3893020283E+00	.1678237452E+01	58
09	.2989671531E+01	.2231348024E+01	.1220314180E+01	.2412798478E+01	.2509614132E+01	.5895099142E+00	.1089814986E+01	.1697560759E+01	59
10	.2684314204E+01	.2797212145E+01	.1808205395E+01	.1920484168E+01	.1919081388E+01	.1411044494E+01	.8971778965E+00	-.7965478742E-01	60
11	-.7886932874E+00	.1395305454E+01	.2380769322E+01	.1575937867E+01	.1862436401E+01	.2288503716E+01	.1268757577E+01	.6960568274E+00	61
12	.9162291311E+00	.1088788204E+01	.2800706351E+01	.2001555836E+01	.1711460591E+01	-.2633139887E+01	.2054400144E+01	.8160064741E+00	62
13	.7347740470E+00	.1861221297E+00	.4324680016E+00	.1423827388E+01	.1526321887E+01	.3236118591E+00	.2060109839E+01	.2098005829E+01	63
14	.1715762371E+01	.1143356230E+01	.4931885016E+00	.2411270887E+01	.2884051351E+01	.2246027916E+01	.2858843442E+01	.2599732301E+01	64
15	.2575680313E+01	.1147301361E+01	.5354590326E+00	.3514505982E+00	.1919183680E+00	.2182404608E+01	.1939078461E+01	.2355963047E+01	65
16	.1742391619E+01	.1194213470E+01	.2073244471E+01	.7799226318E+00	.9881323050E+00	.1118624162E+01	.1512196136E+01	.1697375056E+01	66
17	.2492141362E+01	.2581402008E+01	.1137096714E+01	.1092195231E+01	.2497954994E+01	.1437462771E+01	.8795727315E+00	.2349568317E+01	67
18	.1372485425E+01	-.3098517693E+01	.1702214899E+01	.5151225930E+00	-.9717106516E-01	.7194624663E+00	.1094966463E+01	.1682979972E+01	68
19	.2535341451E+01	.2040794127E+01	.1945434574E+01	.2579680508E+01	.1496579997E+01	.1444553492E+01	.1383880742E+01	-.5020507186E+00	69
20	.6349493307E+00	.9601960473E+00	-.2270760160E+01	.2780955014E+01	.6698463510E+00	.1401912235E+01	.2255250318E+01	.1400933525E+01	70
21	.1403051294E+01	.1097062477E+01	.1291390380E+01	.2358240408E+01	.2757585240E+01	.7307417734E+00	.1178707182E+00	.1969833953E+01	71
22	.1244510688E+01	.2102285609E+01	.9814823670E+00	.2040191719E+01	.3050143432E+01	.1825682861E+01	.4510462629E+00	.2199039076E+01	72
23	.1214649836E+01	.2030678786E+00	.7294177258E+00	.1851116487E+01	.3011288744E+01	.2792975141E+01	.2913947013E+01	.5335024135E+00	73
24	.1834397266E+01	.1772396466E+01	.8047314956E+00	.2874801163E-01	.5736221415E+00	.2024948686E+01	.1917817532E+01	.5892516036E+00	74
25	.4380179795E+00	.1238146640E+01	.2148977924E+01	.1066230155E+01	-.1366899666E+01	.2813745087E+01	.2753213734E+01	.2743313886E+01	75
26	.1319914961E+01	.1902602267E+01	.1771317726E+01	.7482450709E+00	.5008362773E+00	.4603693068E+00	.1733789143E+01	.1781503665E+01	76
27	.2210271428E+01	.7707265735E+00	.5799172146E+00	.1822761375E+01	.1012168460E+01	-.2315046327E+00	.2818163306E+01	.3040253316E+01	77
28	.2777006059E+01	.1916109971E+01	.1669569140E+01	.2956668679E+01	.9850499856E+00	.9018707897E+00	.1018803431E+00	.2700509256E+01	78
29	-.2689183179E+01	.2196355744E+01	.1590490657E+01	.3469592193E+00	.2692405417E+01	.1550146152E+01	-.6204571354E+00	-.8355555106E-01	79
30	.1902865666E+00	-.3132734018E+01	.2576694709E+01	.1168126678E+01	.1467468816E+01	.2659576236E+01	.1945334801E+01	.1775905 90E+01	80
31	.9655453112E+00	.2497232065E+01	.2572607127E+01	.2119148059E+01	.1629214981E+01	.9218782223E+00	.1098090428E+01	.2371783331E+00	81
32	.9014099019E+00	-.3490998811E+00	.2080348198E+01	-.2933038442E+01	.1936131430E+01	.2141737205E+01	.2536195976E+01	.1607341335E+01	82
33	.8558972121E+00	.4342128647E+00	.1014348360E+01	.1982304029E+01	.1480946155E+01	.1242409780E+01	.2537790330E+01	.1501228606E+01	83
34	.1440800334E+01	.1330340778E+01	.1215431772E+01	.1479629639E+01	.2570910808E+01	.2899360067E+01	.6914668294E+00	.1992106469E+01	84
35	.1525177973E+01	.1221146459E+01	-.1047378355E+01	.5856960027E+00	.2194981434E+01	.1720446780E+01	.2435882450E+01	.1982011928E+01	85
36	.2838189372E+01	.1689661325E+01	.8968789101E+00	.8382222026E-01	.1287325231E+01	.1221047620E+01	.1886044805E+01	-.3070504744E+01	86
37	.1947713260E+01	.3075175967E+01	-.3127417419E+01	.1807532311E+01	-.6819417882E+00	.2076243693E+01	.2114982241E+01	.3953019173E+00	87
38	.8242912222E+00	.5054278642E+00	.2073491038E+01	.5021761790E+00	.1230001916E+01	.1239397548E+01	.1122977800E+01	.2009379117E+01	88
39	.2321401614E+01	.2500663675E+01	.2474847004E+01	.2250148566E+01	.1253070293E+01	.2120220045E+00	.1532004830E+01	.1808042715E+01	89
40	.2403297900E+01	.2746951008E+01	.1670745125E+01	.2593596973E+01	.2473214196E+01	-.7753920779E-01	.2290368919E-01	.1613895703E+01	90
41	.6916996683E+00	.1111862762E+01	.1190252560E+01	.2398275750E+01	.1563092280E+01	.2421646580E+01	.1846302625E+01	.8578338439E+00	91
42	.2184284057E+01	.7369167352E+00	.2833146894E+01	.2388626717E+01	.2237528664E+01	.2216606911E+01	.1340496281E+01	.7783918044E+00	92
43	.2122032779E+00	.1958729191E+01	.6255592894E+00	.1032950957E+01	.2673593642E+01	.1671775699E+01	.7321262059E+00	.1290761201E+01	93
44	.4579425646E+00	.1697517890E+01	.1106962872E+01	.7598582095E+00	.2495593222E+01	-.2872537047E+01	.1579294309E+01	.1179439002E+01	94
45	.1217650293E+01	.3686556790E+00	.1644450068E+01	.1492099159E+01	-.9058849245E-01	.2136796164E+01	-.2776193818E+01	.2330603305E+01	95
46	.2724195918E+01	.2612382421E+00	.1247031662E+01	.1893983632E+01	.8821928876E+00	.3636320886E+00	-.3040439820E+01	.1371317100E+01	96
47	.1571162833E+01	.2116683181E+01	.9258640547E+00	.1026612542E+01	.1523005109E+01	.1762653838E+01	.1439681648E+01	.2651123842E+01	97
48	.2404295249E+01	.1878353395E+01	.1259369520E+01	.5628459238E+00	.1988616839E+01	.4273660616E+00	-.6416716517E+00	.2625546956E+01	98
49	.2893897821E+01	-.2865574028E+01	.1906884082E+01	.1563653065E+01	.1135205216E+01	.8145881784E+00	.1381369427E+01	.2553548399E+00	99
50	.1982387725E+01	.1531352868E+01	.1689890207E+01	.2432277623E+01	.1623218224E+01	.2234289504E+01	.2103543540E+01	.8509496654E+00	00

	7601- 7650	7651- 7700	7701- 7750	7751- 7800	7801- 7850	7851- 7900	7901- 7950	7951- 8000	
01	.2268136783E+00	.9212445444E+00	.2941557058E+01	.2170796936E+01	.1153531594E+01	.2545201190E+01	-.1976297669E+01	-.4921945580E+00	51
02	.8648178646E+00	.6916763191E+00	.1132236438E+01	.1511079687E+01	.1960997327E+01	.1122802636E+01	.9716298348E+00	.9612085439E+00	52
03	.2636922367E+01	.3851628599E+00	-.2434030931E-01	-.2855614896E+01	.3102651786E+01	.1694032785E+01	.2275703828E+01	.2281614296E+01	53
04	.2139923797E+01	.9729850704E+00	.6917169069E+00	.1129380163E+01	.1992436306E+01	.1391854509E+01	.1478999576E+01	.1809558334E+01	54
05	.1587331117E+01	.1894030813E+01	.1459912912E+01	.7933655961E-01	.1262810898E+01	.2681930177E+01	.2642099825E+01	.1840410878E+01	55
06	.4822808090E+00	-.3015107613E+01	.1204589346E+01	.1867991159E+00	.1959834608E+01	.2040043413E+01	.1481202084E+01	.2003661015E+01	56
07	.2608989912E+01	.1333375056E+01	.2101255341E+01	.7603184824E+00	-.6026893255E-01	.2242092388E+01	.1432050536E+01	.1751909327E+01	57
08	.2977073407E+01	.1495040047E+01	.1998359845E+01	.2630525062E+01	.1356880478E+00	-.6460022524E+00	.2255278183E+01	.1993175423E+01	58
09	.1413284772E+01	.1745181483E+01	.2524360438E+01	.2660235348E+01	.2033714722E+01	.1539316930E+01	.1885914044E+01	.2207619254E+01	59
10	.1032781462E+01	.2476884977E+01	.1091167326E+01	.1149390919E+01	.1298073937E+01	.8133191620E+00	.9493698465E+00	.7364196880E+00	60
11	.1629824867E+01	.1844365257E+01	.2832508696E+01	.2254238645E+01	.2109471975E+01	.1668229787E+01	-.4731676982E+00	.1677483325E+01	61
12	.8939814881E+00	.1093925836E+00	.2421081610E+00	.2642500557E+01	-.2917169974E+01	.1540980418E+01	.1494139252E+01	.1450995632E+01	62
13	.2317101194E+00	.2159435597E+01	.1487441912E+01	.1258456930E+01	.1725873661E+01	.1756543857E+01	.1835255870E+01	.4952933579E+00	63
14	.1141706808E+01	.1944692187E-01	.2750190582E+01	.1144521468E+01	.1709482147E+01	.2672252253E+01	.1807854293E+01	.1440621355E+01	64
15	.1428745761E+01	.1156114147E+01	.6391853482E-01	.5296951018E+00	.1142191801E+01	-.2834895385E+01	.2193529912E+01	.4976733614E+00	65
16	-.2771217747E+01	.2136906263E+01	.5456602717E+00	.2144686282E+01	.1161518753E+01	.6879114378E+00	.2417505256E+01	.2089545478E+01	66
17	.2453591690E+01	.1623870541E+01	.1730389851E+01	.1570840544E+01	.1490759668E+01	.6344606367E+00	.2925803290E+01	.2187269552E+01	67
18	.2147910743E+01	.1700809576E+01	.1439341793E+01	.5198672269E+00	.8795748508E+00	.7642691395E+00	.1084299067E+01	-.2250039461E+01	68
19	.1413606606E+01	-.2930284330E+01	.2782512188E+01	.8717035234E+00	.1518314051E+01	.2204029171E+01	.3296775107E+00	.1522531148E+01	69
20	.7238744453E+00	.2961740865E+01	.1541235061E+01	.2298748361E+01	.1309079778E+01	.1350195182E+01	.1186997779E+01	.5994859543E+00	70
21	.1925874703E+00	-.5490602037E+00	-.3077524842E+01	.1622659730E+01	.1984964224E+01	.8899090769E+00	.6991574060E+00	.1415302503E+01	71
22	.2376080826E+01	.8204091906E+00	.2228643279E+01	-.3089724706E+01	.4980838118E+00	.1862947914E+01	.1355462382E+01	.3526466359E+00	72
23	.8971140321E+00	.1417946490E+01	.3382950391E-01	.3104314776E+01	.2475035069E+01	.1302486181E+01	-.2974974156E+01	.1132343468E+01	73
24	.1743884771E+01	.1371547134E+01	.2786804228E+00	.4198815942E+00	.2899956614E+01	.1693446631E+01	.2775770405E+00	.1916560513E+01	74
25	.1808933814E+01	.2343239367E+01	.8285375975E+00	-.1835365433E+00	-.2860712755E+01	.2599398135E+01	.1158503850E+01	.1375722305E+01	75
26	.1474480962E+01	.8145299670E+00	.2440018354E+01	.1990787233E+01	-.7905382349E+00	.2584268525E+01	.2650645486E+01	.2958838150E+01	76
27	.1228279235E+01	.1096269163E+01	.9703770675E+00	.8119624422E+00	.1003259297E+01	.1959764780E+01	.1618907991E+01	.2692118657E+00	77
28	.2704074656E+01	.2957173349E+01	.2980646889E+01	.1095575370E+01	.1072017776E+01	.1090166549E+01	-.2503264171E+01	.1600048727E+01	78
29	.2138990032E+01	.1534939251E+01	.1035485647E+01	.1685706267E+01	.8498827475E+00	-.3025053893E+00	.6151830475E+00	-.2990231293E+01	79
30	.3053646440E+01	.1769878540E+01	.1342784297E+01	-.3022522596E+01	.2358270196E+01	.1137688771E+01	.8498932364E+00	.2078867866E+01	80
31	-.6696511609E+00	.2917717341E+01	.2042469513E+01	.1385000956E+01	.1473929855E+01	.7238350062E+00	.1170782333E+01	.1648454901E+01	81
32	.2350494749E+00	.1235203006E+01	-.3052305747E+01	.1535769987E+01	.2586811321E+01	.2148414165E+01	.6926129459E+00	.7054323462E+00	82
33	.1400234982E+01	.6446098588E+00	.1243501347E+01	.1254079008E+01	.1534791519E+01	.2749424809E+01	.2130782511E+00	-.8716336195E-01	83
34	.2248963242E+01	.4845609245E+00	.1032364928E+01	.3075768039E+01	.2256917553E+01	.2539231554E+01	.2315060052E+01	.1247403259E+01	84
35	.6319702547E+00	.5399186409E+00	-.2550902005E+00	.1318971927E+01	.1681404059E+01	.2804943073E+00	.2911162799E+01	.1536875139E+01	85
36	.2637656463E+01	.1793144913E+01	.2491953219E+01	.9861741673E+00	.1452286202E+01	.2585111663E+01	.2471912447E+01	.2267651014E+01	86
37	.2683411313E+01	.1946159401E+01	-.6816186137E-01	.5976301575E+00	.7620747453E+00	.2698244642E+01	.1876861709E+01	.1709354766E+01	87
38	.1781195977E+01	.2953310342E+01	.1790850315E+01	.4779037728E+00	.2006362596E+01	-.4886434771E+00	.1781797855E+01	.2517001011E+01	88
39	.2253235081E+01	.2396653558E+01	.2065369953E+01	.2212139907E+01	.1298088787E+01	.1863329097E+01	.3917447008E+00	.2693532263E+01	89
40	.4163154148E+00	.1304523040E+01	.2734755165E+01	.8986447186E+00	-.2808384249E+00	.1791475989E+01	.2035863201E+01	.1789220042E+01	90
41	.1597548651E+01	.1841859471E+01	-.2880027429E+01	.2323722234E+01	.9387516111E+00	.1254841980E+01	.7497803532E+00	-.2926957509E-01	91
42	.8319195988E+00	.1335996770E+01	.6257513953E+00	-.3074201565E+01	.2794482124E+01	.8329494294E+00	.1952086040E+01	.8009883341E+00	92
43	.2325751320E+01	.6371500010E+00	.1374595954E+01	.1873589586E+01	.2974677404E+01	.1178692124E+01	.8732398814E+00	.1504930121E+01	93
44	.6549307761E+00	.6976574147E+00	.9933693498E+00	.2524167749E+01	.1621554722E+01	.1617180362E+01	.8556204417E+00	.2731166133E+01	94
45	.1193709184E+01	.2150034957E+01	.1022348513E+01	-.2069052758E+00	.3118430999E+01	.2411487672E+01	.2026876031E+01	.3251769756E+00	95
46	.1008162254E+01	.1993185298E+01	.1274811168E+01	.3639118411E+00	.8516841202E+00	-.2823407601E+01	.2091178003E+01	.1432232364E+01	96
47	.1771469077E+01	.6122096071E+00	.2083727754E+01	.1393608498E+01	.1008597609E+01	.2231327600E+01	.1815956775E+01	.9862573862E+00	97
48	-.2861391760E+01	.9758842578E+00	.1001556295E+01	.2293688073E+01	.2345264250E+00	.6708280634E+00	.2073360873E+01	.2967089132E+01	98
49	.2693013295E+01	.2261909958E+01	.1358798531E+01	.1957444645E+01	.4088855017E+00	-.6486183102E+00	-.2602193306E+01	.2079558936E+01	99
50	.1507267360E+01	.3095963567E+01	.2085283724E+01	.9044108609E+00	.2515431706E+01	.1612047841E+01	.9604927595E-01	.2308060279E+01	00

	8001- 8050	8051- 8100	8101- 8150	8151- 8200	8201- 8250	8251- 8300	8301- 8350	8351- 8400	
01	.2583843602E+01	.1886815944E+01	.1609724848E+01	.1695693028E+01	.3869352553E+00	.5298532223E+00	.3041089001E+01	.2126668044E+01	51
02	-.5556574884E+00	.2108399517E+01	.1849743305E+01	.1780383952E+01	.1212878408E+01	.1426725899E+01	.1215878135E+01	-.3007331617E+01	52
03	.1560710448E+01	.1233438507E+01	.1464515026E+01	.1698348864E+01	.2887297678E+01	.7684748708E+00	.5890256649E+00	.7446218266E+00	53
04	.4334983168E+00	.2926965151E+00	.2731469089E+01	.1107664521E+01	.2754385310E+01	.1054743905E+01	-.2381698254E+00	.2704525129E+01	54
05	.8934517961E+00	.2752575239E+00	.2493407833E+01	.3105219016E+01	.6495913745E+00	.2276141589E+01	.6712754505E+00	.4677562545E+00	55
06	.2162964229E+01	.1390182401E+01	-.4774818194E+00	.2100288576E+01	.1503548361E+01	.2613475380E+01	.2661759364E+01	.9455470412E+00	56
07	.2491953715E+01	.1916017016E+01	.1040036343E+01	.5023202170E+00	.2647321696E+01	.1942264185E+01	.1789773020E+01	.1365933653E+00	57
08	.2565602875E+01	.2421234801E+00	.1083292891E+01	.1813220232E+01	.2407204374E+01	.1741742232E+01	.2345079040E+01	.9401187096E+00	58
09	.1492137737E+01	.2308850597E+01	.6332620758E+00	.1109534888E+01	.5825737615E+00	.1677744371E+01	.1991985106E+01	.2255064863E+01	59
10	.1441177864E+01	-.2472646776E+01	.2354048341E+01	-.2175008435E+00	.1317077830E+01	.1667621855E+01	.1382651189E+01	-.2964209301E+01	60
11	.1765540196E+01	.1882495767E+01	.2733590480E+01	.1459948622E+01	.9549711922E+00	.7754951558E+00	.2954039057E+01	.1946537145E+01	61
12	.2089494239E+01	.1001512258E+01	.1844391852E+01	.1763413289E+01	.1166343147E+01	.2380507842E+01	.6838888183E+00	.1560763329E+01	62
13	.5333433213E+00	.1802249459E+01	.2509801929E+01	.2162959220E+01	.7682807536E+00	.2761695379E+01	.6926741432E+00	.2328146236E+01	63
14	.5494515397E+00	.5224537410E+00	.1725864747E+01	-.2484966511E+01	.1791945428E+01	.1202945971E+01	.7302782795E+00	.8261277676E+00	64
15	.2271447505E+01	.1879282815E+01	.1334226081E+01	.1183208057E+01	.1929731026E+01	.4206097070E+00	-.2945675471E+01	.1051800358E+01	65
16	.9465446940E+00	.1544280510E+01	-.1712263586E+00	.2078578175E+01	.2863280079E+01	.2087327653E+01	-.2246982334E+00	.1279658341E+01	66
17	.9975700591E+00	.9090389734E+00	.1432056941E+01	.6980430443E+00	-.3137506529E+01	.3077583572E+01	.7970299400E+00	.1547534901E+01	67
18	.1799466520E+01	.8705762358E+00	.2107945718E+01	.1246891535E+01	.1303402687E+01	.1392786360E+01	.2326495096E+01	.9288548553E+00	68
19	.2204753077E+01	.1576896929E+01	.2003909261E+01	.3457476226E+00	.3597121406E+00	.2745464746E+01	.1882270154E+01	.2016220869E+01	69
20	-.3010910241E+01	.2263657038E+01	.4807126117E+00	.1607468206E+01	.3090556664E+00	.2862594132E+01	.2376542225E+01	.6494151215E+00	70
21	.2831556444E+01	.1890593457E+01	.9408941428E+00	.2485254610E+01	.1137167681E+01	-.3919240891E+00	-.2948022692E+01	.2080007759E+01	71
22	-.6484226912E+00	-.3118521329E+01	.1583645444E+01	.1150375351E+01	.2749434036E+01	.2456275417E+00	.1539970794E+01	.2192781877E+01	72
23	.1154586899E+01	.1876419332E+01	-.2566762743E+01	.9881530332E+00	.1221038608E+01	.4284113731E+00	.1503321506E+01	.2607140491E+01	73
24	.9786666340E+00	.1474519128E+01	.2338984695E+01	.2247203945E+01	.7218318388E+00	.1192325938E+01	.7671846205E+00	-.2917548588E+01	74
25	.1173451465E+01	-.4624291270E+00	.1981570179E+01	.1906627722E+01	.2456152431E+01	.2766072429E+01	.2336190156E+00	-.9317411483E+00	75
26	.1879489659E+01	.6380799794E+00	.6501882239E+00	.2396490426E+01	.1893690567E+01	.1770728200E+01	.2163389841E+01	.4655913250E+00	76
27	.2409425658E+01	.1178391574E+01	.6660541040E+00	.3061880329E+01	.1869664714E+01	.3859653147E+00	.1333218448E+01	.1685833767E+01	77
28	.9331890400E+00	.2382349280E+01	.5258541490E+00	.2458801226E+00	.2326430553E+01	.2438194990E+01	.2160315073E+01	.1508579192E+01	78
29	.1827611719E+01	.2777865306E+01	.8532153860E+00	-.1952981230E+00	.1737343468E+01	.2496394414E+01	.2589340663E+01	.1483550866E+01	79
30	.2717960327E+01	.1069893558E+01	.2429707641E+01	.9509356515E+00	.2047361611E+01	.1856647320E+01	.1292293228E+01	.1826502129E+01	80
31	.1680866625E+01	.1602998048E+01	.1381627168E+01	.2004449111E+01	-.5627851193E+00	.2135983601E+01	.1384153514E+01	.2071253150E+01	81
32	.1532423318E+01	.2220393116E+01	-.3096296809E+01	.1416278951E+01	.6831825985E+00	.9252394659E+00	.2038172846E+01	.2741154885E+01	82
33	.1510340509E+01	.2481093517E+01	.1811897577E+01	.2183463567E+01	.1107592052E+01	.5399007745E+00	.2662607539E+01	.4964290140E+00	83
34	.1879783603E+01	.9541044013E+00	.1188012198E+01	.1986492081E+01	.2303789805E+01	.1095562362E+01	.9709342461E+00	.2819729297E+01	84
35	-.6645683942E+00	.1386975084E+01	.2132833891E+01	.2285714254E+01	.2253562587E+01	.1196761563E+01	.3007735462E+00	.8257228864E+00	85
36	.1238622051E+01	.1315847665E+01	.1102906901E+01	.2722543655E+01	.1536505175E+01	.9583010560E+00	.1059318124E+01	.1810648773E+01	86
37	.8752301101E+00	.9449888005E+00	.1781000929E+01	.1406180452E+00	-.2865129668E+01	.1276703927E+01	.1168990571E+01	.1482088105E+01	87
38	.3052820076E+01	.9301728090E+00	.1377950473E+01	.9234911935E+00	.6790215787E+00	-.2613948840E+01	.1879538226E+01	.6627509159E+00	88
39	.2077542292E+01	.6844639271E+00	-.1617909017E+00	.2481358359E+01	.2333713623E+01	.3007514015E+01	.8424758547E+00	.5679718653E+00	89
40	.2709420161E+01	.2334472147E+01	.1163986831E+01	.7645776749E+00	.7927661692E+00	.1537816944E+01	.2816411656E+01	.1390451414E+01	90
41	.1818147688E+01	.2332269469E+01	.2782366189E+01	.1849621085E+01	.1975411048E+00	.3031850893E+00	.2923128180E+01	.2009826226E+01	91
42	.2147966317E+01	.2392837040E+01	.5490698998E+00	-.3379004785E+00	.2215687503E+01	.1546876754E+01	.2784675341E+01	.2393705146E+01	92
43	-.3282925423E+00	-.2732746241E+01	.2486228250E+01	.2277751939E+01	.1390624943E+01	.1359631579E+01	.3495618329E+00	.2987855767E+01	93
44	.1329122522E+01	-.5186183395E+00	.2389520125E+01	.1541095573E+01	.1725043457E+01	.1024575372E+01	.4268271719E+00	.2204026744E+01	94
45	.1213287250E+01	.1067410290E+01	-.2549802530E+01	.2733659707E+01	.1067791125E+01	.1055693101E+01	.1139107714E+01	.9224930847E+00	95
46	.1673432048E+01	.1401149262E+01	.5150050619E+00	.2323868008E+01	.6617370115E+00	.2341734628E+01	.1252808486E+01	.1438316701E+01	96
47	.2007245681E+01	.1489855370E+01	-.1329545084E-02	.2891685097E+01	.2459059479E+01	.9959948006E+00	.2012319210E+01	-.7472245359E+00	97
48	.1272453713E+01	.7621568515E+00	.4087008978E+00	.8855569635E+00	-.3025370304E+01	.1987841799E+01	.2076119893E+01	.1456585590E+01	98
49	.1621993741E+01	.2190414469E+01	.2066496191E+01	.7229206233E-01	.3087272041E+01	.9044048548E+00	.4852840024E+00	.1844545513E+01	99
50	.1115066301E+01	.1877029159E+01	.1853102593E+01	.1370556104E+01	.1406029077E-01	.3100142540E+01	.1663463420E+01	.2882837646E+01	00

	8401- 8450	8451- 8500	8501- 8550	8551- 8600	8601- 8650	8651- 8700	8701- 8750	8751- 8800	
01	.1274257393E+01	.1086706754E+01	.7910354616E+00	.2217730642E+01	.2098172130E+01	.1581359758E+01	.2201128924E+01	.5381358029E+00	51
02	.1194937637E+01	.1437168277E+01	.2414036796E+00	.1551855471E+01	.2538598658E+01	.2382072898E+01	.9777423437E+00	.8098560247E+00	52
03	.1672139066E+01	.3090932683E+01	.1527528101E+01	-.1426413982E+00	.2697025718E+01	.1412835894E+01	.2172117245E+01	.5074071427E+00	53
04	.2235660478E+01	.6342237583E+00	-.2998776705E+01	.3641231028E+00	.1330809212E+01	.1116207431E+01	.1718045190E+01	.2097617898E+01	54
05	-.3089843216E+01	.2640173675E+01	.8388110865E+00	.1073918980E+01	-.3292112816E+00	-.3082852586E+01	.9947875929E+00	.2800784438E+01	55
06	.4957721770E+00	.1909394478E+01	.2230482142E+01	.2338761075E+01	.6609702134E+00	.2487800860E+01	-.3085231747E+01	.1536412520E+01	56
07	.1616118308E+01	.1379689701E+01	.1875961631E+01	.1862632352E+01	.2109223769E+01	.1048083492E+00	.1451512921E+01	.2016851633E+01	57
08	.5228454353E+00	.2099443952E+01	.2460633243E+01	.2785339308E+01	.5380653069E+00	.4216320734E+00	.1931190208E+01	.8466184725E+00	58
09	.3441144257E+00	.1903399871E+01	.1569040872E+01	.1472430359E+01	.2026038736E+01	.5119441581E+00	.1567725850E+01	.2408724923E+01	59
10	.1786999134E+01	-.1387364559E+00	.6133352667E+00	.1912622087E+01	.2147298423E+01	.1811630526E+01	.7680291028E+00	.2821662230E+01	60
11	.1637589964E+01	.4450995090E+00	.2143517530E+01	.1574017504E+01	-.3083351758E+01	.2234371578E+01	.2800322128E+00	.2928594356E+00	61
12	.1990704673E+01	.1473614680E+01	.1498215587E+01	.1903855589E+01	.1915959598E+01	.1406644297E+01	.1354622650E+01	.1413022544E+01	62
13	.2019846921E+01	.2205606008E+01	.1759120282E+00	.9708938650E+00	.1024842086E+01	.2449443309E+01	.1057512802E+01	.5458781046E+00	63
14	-.2564227309E+01	.1908665040E+01	.1161015954E+01	.9541466895E+00	.1115114648E+01	.2997074697E+01	.1633435272E+01	.1951582873E+01	64
15	.1224977592E+01	.1866647480E+01	.1249502264E+01	.1472176772E+01	.1301075192E+01	.1633909870E+01	-.2835774022E+01	.4424257734E+00	65
16	.5116947702E+00	.2881165517E+01	.1586486364E+01	.1049421149E+01	.2169497218E+01	.6897319453E+00	.2905208971E+01	.9072089036E+00	66
17	.2523540534E+00	.2657502917E+01	-.3089568767E+01	.1260380400E+01	.2545807206E+00	.1317004629E+01	.6924727597E+00	.3091479638E+01	67
18	.2500215059E+01	.5135909574E+00	.2494246433E+01	.1829235128E+01	.1271246415E+01	.2904655699E+00	.2225115704E+01	.2585779034E+01	68
19	.1405878869E+01	-.2621760833E+00	.2600377313E+01	.8211944240E+00	.1875574145E+01	.1966692856E+01	.6351304838E+00	-.2956321942E+01	69
20	.1276296561E+01	.1757903766E+01	.4527814289E+00	.2825819284E+01	.1139843500E+01	.2417694950E+01	.9916267203E+00	.8296719939E+00	70
21	.7744569573E+00	.1158741418E+01	.4664197634E+00	-.1732736351E+01	.1339863728E+01	.2834198896E+00	.8285122672E+00	.3161769124E+00	71
22	.1946898777E+01	.2618618766E+01	.1666287496E+01	-.1101419869E+00	-.2879240137E+01	.1273497391E+01	.1466961644E+01	.1297870157E+01	72
23	.2311444043E+01	.8007082656E+00	.5931428160E+00	.8856711047E+00	.1976851324E+01	.1742338243E+01	.2686676030E+01	.7790547286E+00	73
24	.1279689426E+01	.1942090108E+01	.1232300277E+01	.3909592577E+00	.2959775901E+01	.2475701129E+01	.1024290323E+01	.1948654241E+01	74
25	.2441485054E+01	.6533930461E+00	.2453336312E+01	.1875371604E+01	-.6513596010E-01	.3129200584E+01	.9904706028E+00	.1669941370E+01	75
26	-.3083588824E+01	.2611757655E+01	.2443275451E+01	.9113050260E+00	.6395263445E+00	.2221635894E+01	.1782623822E+01	.1567337854E+01	76
27	.9523077030E+00	.2696781370E+01	.5129115898E+00	.2271627935E+01	.1546429287E+00	-.7552107609E-01	.2753037489E+01	.1355268344E+01	77
28	-.1792984216E+00	.2729901382E+01	.1478584132E+01	.1824479003E+01	.2018853852E+01	.1888830655E+01	.3127485019E+01	.1872425178E+01	78
29	.4439724599E+00	.1483291207E+00	.2838427535E+01	.1651961851E+01	.1261238571E+01	-.2766996726E-01	.1435821560E+01	.2386527269E+01	79
30	.1814137631E+01	.1341345249E+01	.2619217080E+01	.2182388625E+01	-.2871169721E+01	.1048102848E+01	.4761791056E-01	.2155893593E+01	80
31	.9173309082E+00	.8659965775E+00	.1764007938E+01	.1181237403E+01	.1198525003E+01	.1141816370E+01	.8265027898E+00	.1405544439E+01	81
32	.2661761303E+01	.5844892850E+00	.5942759470E-01	.2785733996E+01	.1283366030E+01	.2576637330E+01	.6206768200E+00	.2530420547E+01	82
33	.2900767951E+01	.9185322796E+00	.2956964542E+00	.1351541408E+01	.2034030011E+01	.2996926778E+01	.1622600209E+01	-.5574773381E+00	83
34	.9343185569E+00	.2352757004E+01	.1932070710E+01	.1300714814E+01	.3137149438E+01	.1416336684E+01	.2165348048E+01	.3385052994E+00	84
35	.2149996816E+01	.2344710648E+01	.7082238322E+00	.1394233778E+01	.3361281371E+00	.1216189049E+01	.1929438839E+01	.1407699086E+01	85
36	.2296454159E+01	-.2989716496E+01	.1844736606E+01	-.5215888691E+00	.1261191511E+01	.2669868461E+01	.1850564085E+01	.2064769569E+01	86
37	.1014897018E+01	.1178287003E+01	.1965865977E+01	.1064988085E+01	.2007615724E+01	.8755443160E+00	.3002141371E+01	.2038562173E+01	87
38	.1184931662E+01	.6020227612E+00	-.3024857918E+01	.2131236323E+01	.6661761452E+00	.1927818387E+01	.1578879410E+01	.2746763828E+01	88
39	.3745901044E+00	.2794476772E+01	.1624204671E+01	.2681712842E+01	.7845926947E+00	.9727768226E+00	.8364902839E+00	.1263014287E+01	89
40	.2437512374E+01	.4029522578E+00	.2578893129E+01	.2299904281E+01	.8496345773E+00	.1169346990E+01	.1044414893E+01	.2779056666E+01	90
41	.1360856975E+01	.1054840412E+01	.1426282463E+00	.2161947500E+01	.1848862204E+01	.6322676716E+00	.1360415533E+01	.1741679401E+01	91
42	-.4941590312E-01	.2129820627E+01	.4006347358E+00	.2176685927E+01	.3122846200E+01	.1411335793E+01	.2423027308E+01	.7200664554E-01	92
43	.1558104222E+01	.7029398570E+00	.1961336266E+01	.1432501849E+01	.2481601167E+01	.2114684548E+01	.1200768047E+00	.7395754525E+00	93
44	.2658598977E+01	.1386145536E+01	.1872626127E+01	.1506751348E+00	.2766834323E+01	.1264794149E+01	.8131356011E+00	.2440772530E+01	94
45	-.3066960361E+01	.1697610056E+01	.1635032224E+01	.1321488067E+00	.4792426583E+00	.2656563391E+01	.1592597193E+01	.1167274568E+01	95
46	.2647097140E+01	.1755233904E+01	.2216571839E+00	.2300404036E+01	.6361979215E+00	.3082384217E+01	.2828028227E+01	.1465305502E+01	96
47	.1175969172E+01	.2224219072E+01	.1428808340E+01	.2036952131E+01	.1204709779E+01	.2478751667E+01	.1739345653E+01	.1348740186E+01	97
48	.2215565719E+00	.2890602351E+01	.2571097386E+01	.1867542294E+01	.5689179473E+00	-.1109783328E+01	.2072831254E+01	.4139025170E+00	98
49	.5708640484E+00	.2672880330E+01	.2463731126E+01	-.7230176502E-01	.2496690651E+01	.4858911270E+00	-.2780485175E+01	.2789263907E+01	99
50	.1644217686E+01	-.4611882191E+00	.2129041500E+01	.2415111402E+01	.1227596291E+01	.1902297183E+01	.2738339331E+00	.2386592063E+01	00

	8801- 8850	8851- 8900	8901- 8950	8951- 9000	9001- 9050	9051- 9100	9101- 9150	9151- 9200	
01	-.2676276541E+01	.1048736300E+01	.1341219301E+01	.1639513838E+01	-.1816515640E+00	.2432379764E+01	-.2697783434E+00	.1560674211E+01	51
02	.9452862712E+00	.2068463927E+01	.1353763278E+01	.1410344806E+01	.8753659605E+00	-.2561722020E+01	.2030718292E+01	.3099421204E+01	52
03	-.2677249302E-01	.2421310629E+01	.1858835640E+01	.1386729059E+01	.1796076315E+01	.2016067823E+01	-.2879414774E+01	.8935978524E+00	53
04	.8373442850E+00	-.2779400000E+01	.1607601013E+01	-.3010558619E+01	-.4741339676E+00	.5101154525E+00	.1368376237E+01	.1153662531E+01	54
05	.1630408813E+01	.7782382264E-01	.2683149885E+01	.5290815975E+00	.1869420678E+01	-.1291490592E+00	.3016556747E+01	.1267542843E+01	55
06	.1046023327E+01	-.1166758848E+00	.2396578268E+01	.1182654187E+01	.2831177574E+01	.7268542944E+00	.1767272653E+01	.2155515465E+01	56
07	.7883213603E+00	.1451487079E+01	.1371276690E+01	.2236928066E+01	.1966932315E+01	.1881124499E+01	.7425415713E+00	-.2706530003E+01	57
08	.3049164395E+01	.7290760263E+00	.1020141659E+01	-.2827039224E+01	.1614201633E+01	.2051479783E+01	.2207557084E+00	.1725226444E+01	58
09	.3023052315E+01	.2318038415E+01	.5966358600E+00	.1496837846E+01	.1509179775E+01	.1758301320E+01	.1114616103E-01	.1308859437E+01	59
10	.5990567502E+00	.1316060721E+01	.5025072371E+00	.4229035405E+00	.2070652719E+01	.2106507602E+01	.1855146306E+01	.3973346829E+00	60
11	.2300272238E+01	.3086280670E+01	.4997534208E+00	.1681095400E+01	.2030339350E+01	.1372533444E+01	.2135614196E+01	.7826711572E+00	61
12	.1365419746E+01	.1688593977E+01	.2093521743E+01	.9569283178E-01	.1972123013E+01	.2391212912E+01	.3100274177E+01	.7463304174E+00	62
13	.2133831734E+01	.1839950381E+01	-.2600869138E+01	.1466312575E+01	.8948922989E+00	.2325959098E+01	.1213381826E+01	.1670816544E+01	63
14	.8212717109E+00	.2340621464E+01	.1691584228E+01	.1181682649E+01	.8180369938E+00	.2618532284E+00	.1760919302E+01	.1479570159E+01	64
15	.1359906816E+01	.4432526176E+00	.2143423011E+01	.1400685375E+01	-.1001393007E+00	.1627515758E+01	.2267453976E+01	.3010162340E+01	65
16	.8305302801E+00	.6434534390E+00	.1289383669E+01	.3005785133E+01	.1970773121E+01	.2331679162E+01	.1951054557E+01	.2034734812E+01	66
17	.4116568302E+00	.2337648807E+01	.2134299336E+01	-.3046051589E+01	.1217193210E+01	.5057460047E+00	.3410305299E+00	.2624245032E+01	67
18	.2207371036E+01	.1690627574E+01	.5367683102E+00	.1269244798E+01	.3128872569E+01	-.1209141721E+00	.1833678736E+01	.7238900927E+00	68
19	.1983626555E+01	.1792816784E+00	.8597291229E+00	.1854693253E+01	.1490139467E+01	.1392292863E+01	.1278112638E+01	.1119824683E+01	69
20	.2102019534E+01	.1308380562E+01	.1140412676E+01	.5776306576E-01	.2522733248E+01	.2728556485E+01	.1070412864E+01	.1771155318E+01	70
21	.2742813994E+01	.9605313693E+00	.2734345631E+01	.8837422888E+00	-.3091935031E+01	.1964721727E+01	.9761485287E+00	.1513864426E+01	71
22	.2694864290E+01	.2926350868E+01	.8788534702E-01	.2421542263E+01	-.4763293539E+00	.2771872850E+01	.1602168497E+01	.1010121910E+01	72
23	.8477526454E+00	-.2919779435E+01	.1586286748E+01	.1374736251E+01	.1056152206E+01	.2549189981E+01	.1195065190E+01	.7913191286E+00	73
24	.2277293668E+00	.1610898985E+01	.1901494568E+01	.5851704918E+00	.4588338208E+00	.1461756887E+01	.2354167012E+01	.1380416191E+01	74
25	-.1211321187E+00	.2160560903E+01	.2310542931E+01	.1889448900E+01	.2265990931E+01	.4914144013E+00	-.3085399489E+01	.2030076648E+01	75
26	.1793067592E+01	.4851029184E+00	.2158366410E+01	.1608970516E+01	.2370664190E+01	.3531419478E+00	.3114151651E+01	.1640685047E+01	76
27	.2546101486E+01	.1401921787E+00	-.2620241037E+01	.2274987841E+01	.6461140474E+00	.1519885929E+01	-.3868095866E+00	.2075308848E+01	77
28	.2275634902E+01	.1076881996E+01	-.3275007209E-01	.1529351849E+01	.1222366703E+01	.1187635660E+01	.8360044638E+00	.2261301488E+01	78
29	.3901767895E+00	.1365767198E+01	.1469724198E+00	.2764497268E+01	.2213833129E+01	.2010614370E+01	.4326257499E+00	-.2594665090E+01	79
30	.1313383584E+01	.2220970140E+01	.1074074549E+01	.2686735547E+01	.1692893437E+01	.2365487068E+01	.2403870272E+01	-.8770276704E+00	80
31	-.2972375688E+01	.2159715385E+01	.1476603227E+01	.3982961118E+00	.3050937890E+01	.8171440915E+00	.1215774698E+01	.7730919329E+00	81
32	.1765072734E+01	.2070256907E+01	.1754506080E+01	-.1001914560E+01	.1805817046E+01	.2077605435E+01	.1009060918E+01	.1296591102E+01	82
33	.2179264410E+01	.9881454235E+00	.1682593185E+01	.1491047232E+01	.1806258789E+01	.1315097477E+01	.2781276894E+01	.9276914398E+00	83
34	.1249146073E+01	.1864929686E+01	.2075909472E+01	.1896634204E+01	-.1779445971E+00	.2801221076E+01	.2114442731E+01	.1926325395E+01	84
35	.9453856940E+00	.2774193839E+01	.2087857693E+01	.2125028121E+01	.1147761903E+01	.2943082169E+01	.1147834166E+01	.2695493535E+01	85
36	.1304537784E+01	.9839459211E+00	.2518563696E+01	.1782325842E+01	.9993172594E+00	-.3781719960E+00	.1696480641E+01	.1626785701E+01	86
37	-.6294927168E+00	.2197976998E+01	.6516365530E+00	.2397877513E+01	.9064140412E+00	.8490335504E+00	.2873370629E+01	.9969289723E+00	87
38	.1818290159E+01	-.2526425508E+00	.1830159268E+01	.1745783987E+01	.2061437154E+01	.1307824135E+01	.8201156926E+00	.2614913897E+01	88
39	.2440248334E+01	.6582152620E+00	.1823818837E+01	.2105988032E+01	.2309054387E+01	.1213246008E+01	.2161247150E+01	.2245293281E+01	89
40	.1345082642E+01	.2103550426E+01	.1614388590E+01	.1544858353E+01	-.2763781089E+01	.1064191450E+01	-.6381558304E+00	.1349076566E+01	90
41	-.2804367144E+01	.1536877084E+01	.2116209050E+00	.1253857676E+01	.6800518984E+00	.2195065198E+01	.1242494447E+01	.1252708048E+01	91
42	.2614820810E+01	.9859189942E+00	.1000943978E+01	.7293507920E+00	.1890049007E+01	.1959844471E+01	.1547789609E+01	.5051903501E+00	92
43	.1031688757E+01	.2514867064E+01	.1070067643E+01	.1682517260E+01	.1489658470E+01	-.2782634391E+01	.1378126275E+01	.2302955638E+01	93
44	.4930393423E-01	-.3083163692E+01	.2106454893E+01	.1529390660E+01	.1430574812E+01	.1894686859E+01	.2442715796E+01	.1896975355E+00	94
45	.2171921464E+01	.2881849987E+01	.2154803990E+01	.9850127165E+00	.4083450850E+00	.6484756061E+00	.2816554322E+01	.5366889583E+00	95
46	.1121936578E+01	-.3479341035E+00	.2055969948E+01	.3778885577E+00	.2013609624E+01	.7227082489E+00	.2232888130E+01	.1978745880E+01	96
47	.7020850698E+00	.9448917788E+00	-.2894845492E+01	.2133870160E+01	.2728791671E+00	.1636274995E+01	.1665411173E+01	.2739662896E+01	97
48	.2122614892E+01	.1133736832E+01	.1338222939E+01	.2236737145E+01	.2664009069E+01	.1152069681E+01	.1573858241E+01	-.3034611921E+01	98
49	.1316686806E+01	.1594179134E+01	.1023285884E+01	-.2835284300E+01	.8613755993E+00	.1748093413E+01	.4488722331E-01	.2092209159E+01	99
50	.1976323533E+01	.1865810214E+01	-.4360734652E+00	.2666674286E+01	.1277554168E+01	.1681016557E+01	.4692050396E+00	.1238690074E+01	00

	9201- 9250	9251- 9300	9301- 9350	9351- 9400	9401- 9450	9451- 9500	9501- 9550	9551- 9600	
01	.8251940447E+00	.162968498eE+01	.1689724287E+01	.1826315247E+01	.1211371189E+01	.2186475693E+01	.2371489530E+01	.2174164971E+01	51
02	.5769199978E+00	-.2283479713E+01	.2332916134E+01	.1883366765E+01	.5784624094E+00	-.2774953605E+01	.2251219588E+01	.3963539044E+00	52
03	.1285697830E+01	.8140238859E+00	.2200318300E+01	-.1382645985E-01	.1170205856E+01	.3403621558E+00	.1350865371E+01	.1057625038E+01	53
04	.9210898328E+00	-.6744604642E+00	.2309642534E+01	.1452806410E+01	.2145386935E+01	-.6586370375E+00	.2911303782E+01	.1623817979E+01	54
05	.2541650006E+01	.1199421893E+01	.2648230707E+01	.2316619062E+01	.1128611199E+01	.1734492048E+01	.3114514526E+01	.1237389667E+01	55
06	.1581982607E+01	.1691351151E+01	.1422535211E+01	.2911755218E+01	.9589469832E+00	.2505676440E+01	.5589882508E+00	.2799382940E+01	56
07	.1682649279E+01	.1683796841E+01	-.3963693480E+00	.1902861446E+01	.2770769794E+01	.7837287960E+00	.2693127160E+00	-.2888294866E+01	57
08	.9868116240E+00	.2252207539E+01	.3047114249E+00	.3099192947E+01	.4373305410E+00	.1849289502E+01	.6340736631E+00	.2194330728E+01	58
09	.2814224920E+01	.7630115603E+00	.1323666550E+01	-.7259446049E+00	.2061271301E+01	.1293007433E+01	.1393774281E+01	-.1559543618E-02	59
10	.1518997562E+01	.1847849338E+01	.2621437187E+01	.1325073436E+01	-.2574220441E+01	.1728581909E+01	.2038695395E+01	.8633158947E+00	60
11	.3041201382E+01	.2703213303E+01	.1923553731E+01	.8344069382E+00	.2476388882E+01	.2251083702E+01	.2054972104E+01	.1423214247E+01	61
12	.1130072167E+01	.1860051615E+01	.1788622593E+01	.1452115163E+01	-.2090853434E+00	.1805836840E+01	.1747658985E+01	.4648849040E+00	62
13	-.1511709323E+00	.1325252705E+01	.1798187488E+01	.1110036501E+01	.4119281340E-01	.2283028200E+01	.7391966602E+00	.1561505893E+01	63
14	.3995733544E+00	.2124856686E+01	.1374215724E+01	.1806111499E+01	.1115569890E+01	.2440173761E+01	.2047315475E+01	.2276360053E+01	64
15	.1033057228E+01	.1797336215E+01	.2312457995E+01	-.2959182781E+01	.2095472470E+01	.4809094345E+00	.2506928979E+01	.2408520042E+01	65
16	.3041929353E+01	-.6630258967E+00	.2415241459E+01	.1660908288E+01	.1135302860E+01	.5573190642E+00	.2727025866E+01	.1787556837E+01	66
17	.1063828007E+01	.1612467873E+01	.5241653932E+00	.1513714563E+01	.2329068289E+01	.2461304466E+00	.1180449303E+01	.8657430607E+00	67
18	.1719512977E+01	.6688017530E+00	.1584706450E+01	.1642444637E+01	.1689583792E+01	.1511525832E+01	.5023645114E+00	.1306586497E+01	68
19	-.2670009574E+01	.1501534383E+01	.8696644793E+00	.1369854686E+01	.3092125087E+01	.1834948458E+01	.9756814376E+00	-.2450552246E+01	69
20	.1904541905E+01	.2910424145E+01	.6633780693E+00	.2433160814E+01	.1484929157E+01	.2123481589E+01	.1441183469E+01	.9690822799E+00	70
21	.1545014562E+01	.2489831121E+01	.1725342447E+01	.3340377307E+00	.1403555133E+01	.3131275655E+01	.4188255249E+00	.1014691448E+01	71
22	-.3911756268E+00	.2111997990E+01	.1060903734E+01	.6866491383E+00	.1312515796E+01	.1748171428E+01	.1240043113E+01	.7315333222E+00	72
23	.1488317444E+01	.2433865532E+01	.1568993279E+01	.1630417774E+01	.7707236122E+00	.8859261804E+00	.2050030713E+01	.8371339305E+00	73
24	.2231003115E+01	-.2214562007E+00	.3021381161E+01	.1102280298E+01	.2004420661E+01	.2683200897E+01	-.2276946884E+01	.4821464399E+00	74
25	.1493298310E+01	.2040839121E+01	-.2399195681E+01	.1837989538E+01	.1418786975E+01	.8491396350E+00	.1927281954E+01	.2896371803E+01	75
26	.9498344776E+00	.7299174719E+00	.6072849680E+00	.1603730899E+01	.4506587482E+00	-.1924416799E+00	.1642155788E+01	.1349889056E+01	76
27	.9697260972E+00	.8371170401E+00	.3865146725E+00	.2718830817E+01	.1203259968F+01	.2236498010E+01	.8001541724E+00	.2591179902E+01	77
28	.2021622245E+01	.1825304186E+01	.1574715801E+01	-.3020065509E+01	.1255893865E+01	.1862031662E+01	.9590155158E+00	.3116635731E+01	78
29	.1468830575E+01	.2463487503E+01	.5899424638E+00	.1714980702E+01	.2979591375E+01	.1529392270E+01	.1651983669E+01	.1863926386E+01	79
30	.2814447171E+01	.9972180065E+00	.1987939245E+01	-.3871792348E+00	.2987778750E+01	.1791882262E+00	.5002488389E+00	.7820979523E+00	80
31	-.3036649332E+01	.6798116550E+00	.6058361370E+00	.1142720941E+01	.2067873479E+01	.1817034036E+01	.2346028454E+01	-.2786946786E-01	81
32	.9466093281E+00	.2283101970E+01	.2765343831E+01	.4080223501E+00	.1703431926E+01	.2392468058E+01	.1029619436E+01	.1158832573E+01	82
33	.8253208252E+00	.2727831914E+01	.1323313404E+01	.1959711630E+01	.2542094131E+00	.2462270015E+01	.1648295626E+01	.1312144605E+01	83
34	.9335334376E+00	-.2992709545E+01	.1525789615E+01	.2592943237E+01	.9885934768E+00	-.2616326051E+01	.1026591366E+01	-.3044371479E+01	84
35	-.1125493467E+00	.8517390092E+00	.2137536975E+01	.1469544740E+01	.4011205255E+00	-.4421052144E+00	.2800347923E+01	-.4099381187E-01	85
36	.1741186648E+01	-.4306455060E-01	.2006411269E+01	.1183806476E+01	.9658418418E+00	.1819373631E+01	.2261225120E+01	.1719351129E+01	86
37	.1660598547E+01	.8791673612E+00	.2732817463E+01	.1551011814E+01	.2595600189E+01	-.2166794173E+00	.2077694686E+01	.1642713247E+01	87
38	.2497351534E+01	.1706798337E+01	.1366538322E+01	.2446917361E+01	.3094976800E+01	.1267539346E+01	.2672541502E+01	.2946580400E+01	88
39	.3057250633E+01	.4623390200E+00	.4922549788E+00	.2925417031E+01	.2193202631E+00	.1884514680E+01	-.9527075823E+00	.1827506833E+01	89
40	.3834126624E+00	.1828038436E+01	.3745104068E+00	.6183950472E+00	.2097308754E+01	.2007107977E+01	.2913733701E+00	.2440614228E+01	90
41	.1875031294E+01	.3004487891E+01	.4129916328E+00	.1622772813E+01	.2312544315E+01	.1297269937E+01	.1847956477E+01	.1360070018E+01	91
42	.2696190311E+01	.2061364095E+01	.1711250722E+01	.1648908954E+01	.2254563428E+01	.2911705347E+01	.9144741548E+00	.1017355032E+01	92
43	.1316810976E+01	.2298473845E+01	.2845962829E+01	.5078262359E-01	.1424075847E+01	.1757062211E+01	.3042245929E+01	-.1324864856E-01	93
44	.6073534368E+00	.1452059977E+01	.2095834674E+01	.2091427800E-01	.1470885615E+01	.1745403235E+01	.1847094745E+01	.8055776015E+00	94
45	.1552715096E+01	.1409473332E+01	.2191878723E+01	.2292235335E+01	.4987183286E+00	.1462476779E+01	.1726204168E+01	.1229884278E+01	95
46	.1209861897E+01	.6424236811E+00	.1209902797E+01	.1970090775E+01	.6062075083E+00	.1256548985E+01	.1952366975E+01	.2622217974E+01	96
47	.8282511024E+00	.1418851847E+01	-.3024712102E+01	.2710605445E+01	.1781496597F+01	.2081616938E+01	.2742494548E+01	.1921067865E+01	97
48	.1483200249E+01	.2483884346E+01	-.2338157589E+00	.2766182714E+01	.7483135364E+00	.1157912955E+01	.4286348430E+00	.3000276328E+01	98
49	.1248975731E+01	-.2306513736E+00	.1119171102E+01	.1811863509E+01	.2226228913E+01	-.4339816993E+00	.1427047125E+01	.1623703034E+01	99
50	.2946473968E+01	.1275384193E+01	.1467293063E+01	.1147409280E+01	.2443936757E+01	.1214652002E+01	.1137178840E+01	.1448576056E+01	00

	9601- 9650	9651- 9700	9701- 9750	9751- 9800	9801- 9850	9851- 9900	9901- 9950	9951-10000	
01	.1540773168E+01	.2759615085E+01	.2192019119E+01	.5098374117E+00	.2060173844E+01	.2471411976E+01	-.2070334718E+00	.3745447902E+00	51
02	.8595985802E+00	-.2934976115E+01	.9222537358E+00	.2014202938E+01	.2369531122E+01	.3047867792E+01	.2575729071E+01	.2143346470E+01	52
03	.1872206010E+01	.3486841657E+00	.2530907669E+01	.3066899255E+00	.6781621725E+00	.1743243138E+01	.1624526212E+01	.6111003300E+00	53
04	.7703966600E-01	.9664844597E+00	.2898335066E+01	.6705622916E+00	.1311229338E+01	.1022331703E+01	.2343789229E+01	.5365228853E+00	54
05	.2002823058E+01	.1480051181E+01	.2053304693E+01	.1716220627E+01	.8888412745E+00	.1656546584E+01	.2611625020E+01	.7198494699E+00	55
06	.1915932383E+01	.1112746718E+01	.2285190200E+01	.2785722338E+01	.1346749779E+01	.1259229828E+01	.1741955603E+01	.1643919565E+01	56
07	.4025313626E+00	.1780852554E+01	.3095734472E+00	.2090987353E+01	.1618429273E+01	.1408070035E+01	.2159010946E+01	.2243075133E+01	57
08	.2220986238E+01	.1331719700E+01	.4667830058E+00	-.2578922923E+01	.5928344909E+00	.1298309139E+01	.1396626867E+01	-.2502570400E+01	58
09	.1212001230E+01	.3971253920E+00	.1446631628E+01	.2869808240E+00	.1265323924E+01	.1203930179E+01	-.6618937888E-01	.1419159235E+01	59
10	-.2537031043E+01	.2376919633E+01	.1250244023E+01	.1429291423E+01	-.2657371350E+01	.5005106691E+00	.1299439660E+01	.1748255848E+01	60
11	-.3080464257E+01	.1819234326E+01	.2273555597E+01	.1261448306E+01	-.3060228257E+01	.1778603981E+01	.1883200980E+01	.1789958796E+01	61
12	-.3027719572E+00	.1365678327E+01	.1827520788E+01	.1788657836E+00	.1919907625E+01	.2063327635E+01	.2379308517E+01	.3501955802E+00	62
13	.2640937746E+00	-.3005687373E+01	.2671974297E+00	.1210645930E+01	.9550535139E-01	.2711524069E+01	-.1240557228E+00	.8449952162E+00	63
14	.1205885680E+01	.2575712288E+01	.1395757462E+01	.2106194881E+01	.3486446625E+00	.1839875458E+01	.9710581803E+00	.1596414951E+01	64
15	.1595741522E+01	.7057708467E+00	.2781419795E+01	.2500237485E+01	.1358066703E+01	.3054807438E+01	.2525844381E+01	.1734586021E+01	65
16	.1415935278E+01	.8547463968E+00	-.2873314144E+01	.9462190344E+00	.1268825865E+01	.1028500373E+01	.2354337705E+01	.1700332238E+01	66
17	.1207847056E+01	.5632844567E-01	.1502631838E+01	.1596137325E+01	.2060222610E+01	.4662859370E-01	.2919197532E+01	.1177683885E+01	67
18	-.2936041013E+01	.6138094782E+00	.1216939439E+01	.1551507922E+01	.1925262499E+01	-.5153951159E-01	.2229164003E+01	.1445391029E+01	68
19	.9759841559E+00	.1844698716E+01	.5050505480E+00	.2870889357E+01	.1168114184E+01	.1252986885E+01	.1090684733E+01	.1543950977E+01	69
20	.2038910126E+01	.2945110294E+01	.1089675250E+01	.2501535575E+01	.1816799449E+01	.2775238700E+01	.2487659831E+00	.3008619559E+01	70
21	.2668203509E+01	.2401288672E+01	.3198747948E+00	.1347904873E+01	.2620790876E+01	.2054621700E+01	.1078040431E+01	.2735274477E+01	71
22	.7425688584E+00	.6069007225E+00	.1476187924E+01	.2154408734E+00	.1446506938E+01	.1967310082E+01	.4279423835E+00	.1884254113E+01	72
23	.1343111901E+01	.2729080327E+01	.1954904062E+01	.5336651857E+00	.2242309924E+01	.7977509524E+00	.9844913667E+00	-.1550432173E+00	73
24	.2165103934E+01	.1663050660E+01	.2879942838E+01	.1023310983E+01	.9189261083E+00	.1655178094E+01	-.3049774630E+01	-.6393678839E+00	74
25	.6615672642E+00	.2300166876E+01	.2717939097E+01	.1528146296E+01	.2310215829E+01	-.2717868289E+01	.1889341318E+01	.1966292718E+01	75
26	.7600887896E+00	-.3290656430E+00	.4347530717E+00	.2276742411E+01	-.4817799917E+00	.9241308151E+00	.2076466073E+01	.2410751115E+01	76
27	.5511898684E+00	.1527791779E+01	.2847164588E+01	.1825471029E+01	.3697644418E+00	.1192506145E+01	.2082045387E+01	.9373142754E+00	77
28	.1057565808E+01	.2473868244E+01	.7884283611E+00	.2409754771E+01	.1831827020E+01	.2018385069E+01	.1049160542E+01	.1989790458E+01	78
29	-.2645033995E+01	.4304453114E+00	.1121662665E+01	.2553179388E+01	.2050314389E+01	-.5559335641E-01	.1775381797E+01	.2744561674E+01	79
30	.2554445667E+01	.9100133816E+00	.1884339449E+01	.2125658421E+01	.2863215715E+01	.1672409972E+01	.2239373916E+01	.2284072872E+01	80
31	.1949510419E+01	.1419836012E+01	.1010073769E+01	-.5423840856E+00	.1241463490E+01	.5391884417E+00	.7872661881E+00	.1734260786E+01	81
32	.2276149547E+01	.2076739727E+01	.1157385185E+01	.1360741018E+01	-.3026202000E+01	.1921048621E+01	.1030896115E+01	.1139556022E+01	82
33	.1122463248E+01	.2653844035E+01	.2472586149E+00	.1622731783E+01	.1825796113E+01	.1526230464E+01	.6832310011E+00	.2284771115E+00	83
34	-.3780701379E-01	.3081550424E+01	.2815980600E+01	.2393636646E+01	.4304308987E+00	.2991554389E+01	.1077207792E+01	.2568494456E+01	84
35	.2543438047E+00	.2235763163E+01	.1755987947E+01	.4529961765E+00	.1222937557E+01	-.2840003106E+01	.2367250348E+01	.1694064947E+01	85
36	.2372923704E+01	-.2828875687E+00	.1697436174E+01	.1207777127E+01	.2317091780E+00	.1319967842E+01	.1187191317E+01	-.6598818208E-01	86
37	.1534271816E+01	.5472420398E+00	.2392089025E+01	.1497134531E+01	.1959806104E+01	.5276666140E+00	.2031066863E+01	.1628551344E+01	87
38	.2492394610E+01	.1518136371E+01	-.2497245184E+01	.1873447622E+01	.2234076383E+01	-.1253654839E-01	.2994007876E+01	.1352011471E+01	88
39	.1092369257E+01	.1495384815E+01	-.2206753069E+00	.2707892349E+01	.1282055176E+01	.2301059609E+01	-.2864157116E+01	.1438716658E+01	89
40	.1165370693E+01	.1188818452E+01	.3275282160E+00	.2197020097E+01	.9690618515E+00	.1356786842E+01	-.4729706640E+00	.2960519331E+01	90
41	.2381964758E+01	.2271259439E+01	.3913694544E+00	.2505254493E+01	.1973317712E+01	.9768939064E+00	.4579294716E+00	.2061048558E+01	91
42	.2068466943E+01	.1437009250E+01	.1709887978E+01	.1337744573E+01	.1568124899E+01	.1544314294E+01	.1363861443E+01	-.2991703740E+01	92
43	.2838657896E+01	.2603768878E+01	.2577768697E+01	-.5091733245E+00	.2474453570E+01	.2778481455E+01	.1498903829E+01	.2939119154E+00	93
44	.1224477858E+01	.1018358557E+01	.1482356406E+01	.8617846486E+00	-.2509878308E+01	.8594043112E+00	.1109286797E+01	.1382016600E+01	94
45	.3740800190E+00	.2340625442E+01	.1481767592E+01	.1827457447E+01	-.8385481137E-01	.1514280224E+01	.2873855002E+01	-.5248618634E-01	95
46	.2198760296E+00	.1319549065E+01	.2547173973E+01	.2095202574E+00	.1146262754E+00	.2728891426E+01	.6734730241E+00	.1169170196E+01	96
47	.1646112102E+01	.2861556154E+01	.1401441962E+01	.2626964683E+01	.1840271877E+01	.2472014840E+01	.2060138783E+01	.1017090680E+01	97
48	.1575973302E+01	.4484761959E+00	.2391877873E+01	-.2874990749E+01	.6583401919E+00	.2077614268E+01	.1884020775E+01	.2753076750E+01	98
49	.1204659706E+01	-.2561578946E+00	.1395012678E+01	.1425098897E+01	.1461445758E+01	-.7317741678E+00	.2235399698E+01	.2663410072E+01	99
50	.2075817618E+01	.1219963383E+01	.1618526415E+01	.1164656521E+01	.1506359599E+01	.1441893141E+01	.2536146909E+01	.1007553423E+01	00

	10001-10050	10051-10100	10101-10150	10151-10200	10201-10250	10251-10300	10301-10350	10351-10400	
01	.9396586884E+00	.1241445607E+01	.2617484692E+00	.2928773442E+01	.1924209422E+00	.7978749293E+00	.3031254786E+01	.2804920905E+01	51
02	.2675582516E+01	.2644957075E+01	.8861138389E+00	.1203658362E+01	.1360564965E+01	.1947815532E+01	.2771116062E-01	.2340707875E+01	52
03	.2697286200E+01	.2698959147E+01	.7572867399E+00	.1907036034E+01	.2436408746E+01	.1834920885E+01	-.1431109629E+00	.1913644955E+01	53
04	.1356847936E+01	.9580322447E+00	.2122456481E+01	.1122264180E+01	.2395636959E+01	.1785267106E+01	.5648916525E+00	.2593369124E+01	54
05	.4874700592E+00	.2062761410E+01	.2839148307E+01	-.5178007627E+00	.2532698693E+01	.2096389374E+01	.2281847539E+01	.1994187009E+01	55
06	.1274595260E+01	.2111177813E+01	.1573474952E+01	.9172448612E+00	.1381793809E+01	.1475618896E+01	.2061403073E+01	-.2460594685E+00	56
07	.1412688675E+01	.1054634842E+01	.1137643179E+01	.1505742720E+01	.7324445486E+00	.1951720468E+01	.1803741233E+01	.6348011125E+00	57
08	.2374145755E+00	.1477125364E+01	-.3025551260E+01	.2631631590E+01	.7445901747E+00	.1985664940E+01	.1277040564E+01	.3770246001E+00	58
09	.1184516867E+01	.1993218036E+01	.1755615989E+01	.2327146773E+01	.4156420181E+00	.1755213577E+01	.2283145844E+01	.2279057614E+01	59
10	.2802489412E+01	-.6786821172E+00	.4048902848E+00	.2505414024E+01	.1811236573E+01	.2238113419E+01	.2192462401E+01	.1358873685E+01	60
11	.1908387595E+01	.1290069086E+01	.1312272468E+01	.1154133439E+01	.1316261899E+01	-.6106429570E+00	.1891391907E+01	-.2869878045E+01	61
12	.2959760671E+01	.1983606594E+01	.1802631361E+01	.2247367544E+01	.1779151974E+01	.1183249580E+01	.1352539188E+01	.1208097224E+01	62
13	.2914180748E+01	.2069098627E+01	.1730289932E+01	.1537670510E+01	.3139582479E+01	.6524675632E+00	.7810705325E+00	.1814489122E+01	63
14	-.4293724111E+00	.1479715377E+01	.4605081974E+00	.3539410149E+00	.2470826334E+01	.2117860400E+01	.2583199950E+01	.2342868280E+01	64
15	.1482803927E+01	-.3068071195E+01	.3176498918E+00	.1459773585E+01	.2179386601E+01	.2404647015E+01	.3555741391E+00	.8656745290E+00	65
16	.3138610251E+00	.2027480998E+01	.1691078109E+01	.1871310905E+01	-.3390817146E+00	.1410894658E+01	-.1424239878E+00	.2432646919E+01	66
17	.2023038159E+01	.2588416515E+01	-.2926020771E+01	.5510054539E+00	.1523490232E+01	.2377864588E+01	.2090141074E+01	.5372277692E+00	67
18	.1980102692E+01	-.7890834542E+00	.1427675928E+01	.1925513912E+01	.1628494870E+01	-.2819951947E+01	.1715379523E+01	.1167537259E+01	68
19	.1141975183E+01	.5012340496E+00	-.2791520715E+01	.1111792458E+01	.1701081562E+01	.1060062645E+01	.1558402552E+01	.1060851905E+01	69
20	.1305672964E+01	.1524251312E+01	.1972698732E+01	.1639810548E+01	.1100239276E+01	-.3394662095E+00	-.2994293202E+01	.1870683066E+01	70
21	.1413372342E+01	.2031646345E+01	-.1895976284E+00	.2068540787E+01	.4788059299E+00	.1431166387E+01	.3009922033E+01	.2428601247E+00	71
22	.2986939598E+01	.2249070196E+01	.1101913688E+01	.2484952914E+01	.2262542447E+01	.1514778716E+01	.9090694332E+00	.1867735156E+01	72
23	.1475331644E+01	.1068567168E+01	.9201313550E+00	-.2394738841E+01	.2000075632E+01	.1468058421E+01	.1234313698E+01	.2552296728E+01	73
24	.1320430299E+01	.1491293086E+01	.1039188636E+01	-.3276210800E+00	.1219782384E+01	.2218980688E+01	.5940242285E+00	.2891577637E+01	74
25	-.2640197083E+01	.2037554624E+01	.1970652295E+01	-.1413487668E+00	.2315151650E+01	.8745787148E+00	.1094852438E+01	-.2935217342E+01	75
26	.4535915880E+00	.1545074253E+01	.1740353273E+01	.1677749952E+01	-.2963216126E+01	.1296693593E+01	.6759246784E+00	-.2511004470E+00	76
27	.1316810824E+00	-.3106211386E+01	.2826009238E+01	.1430241102E+01	.1786848394E+01	.1085548570E+01	.2278115919E+01	.3077331134E+00	77
28	.4761410036E+00	.1533859334E+01	.9711300989E+00	.1552422393E+01	.2935928816E+00	-.2665698081E+01	.1959118578E+01	.1685698805E+01	78
29	.1451216941E+01	.1104536754E+01	.1454420718E+01	.1096011935E+01	-.7102754162E+00	.2095143639E+01	.2059280989E+01	.1326408659E+01	79
30	.1860751446E+01	.8446758646E+00	.2345159017E+01	.2980169285E+01	.1806142457E+01	.2522882438E+01	.4711729511E+00	.8267383517E+00	80
31	.2665327669E+01	.3919303653E+00	.2463981156E+01	.1452727119E+01	.1475476297E+01	-.1721721959E-01	.1952114803E+01	.2257538798E+01	81
32	.1752487617E+01	.1594210884E+01	.1562161855E+01	.2638377856E+01	.2025907417E+01	.8209164270E+00	.2159147897E+01	.2164056940E+01	82
33	.2683381707E+01	.4961525660E+00	.2234828897E+00	.7851274448E+00	.2137767986E+01	.1690796414E+01	-.2454536721E+01	.1383358757E+01	83
34	.1511644476E+01	.2308105652E+01	.3896597182E+00	.2217356502E+01	.2614398943E+01	-.5883936800E+00	-.3603765292E+00	.1534934735E+01	84
35	.1820230779E+01	.2178893198E+01	.1754694795E+01	.1697650464E+01	.1049679021E+01	.1758545253E+01	.1953064534E+01	.2605839000E+01	85
36	.6625663474E+00	-.2465418145E+01	.1461756055E+01	.1143305781E+01	.1508820541E+01	.2678653992E+01	-.6108253959E+00	.1756979727E+01	86
37	.1337777899E+01	.1402301228E+01	.1090143425E+01	.1172771388E+01	-.3132481907E+01	.3101918736E+01	.1844750882E+01	.1711742741E+01	87
38	.5127514564E+00	.1055263874E+01	.2128829601E+01	.6838619174E+00	.3277879924E+00	.2085126944E+01	.1632230115E+01	.1765449832E+01	88
39	.2432074981E+01	.4672420127E+00	.2739494290E+01	.4850396651E+00	.9237507020E+00	.9229552333E+00	.9883822652E+00	.4404430167E+00	89
40	.1337594366E+01	.2445447516E+01	-.2907508804E+01	.1798035822E+01	.1770702466E+01	.2164721126E+01	.2660583867E+01	.4739574633E+00	90
41	.1141663288E+01	-.9161902605E-01	.8483219463E+00	.2222409992E+01	.1830703411E+01	.1365087107E+01	.2736842008E+01	.3279368593E+00	91
42	.6005064450E+00	.1781553571E+01	.1204888808E+01	-.3124869850E+01	-.2228083852E+00	.1142933231E+01	.2198232346E+01	.2048920923E+01	92
43	.2001587834E+01	.2190306880E+01	-.1320665700E+00	.1712216103E+01	.1892034413E+01	.1143689456E+01	.2012807049E+01	.2840636481E+01	93
44	-.2767937920E+01	.9188681628E+00	.8475336688E+00	.2731635034E+01	.1076450729E+01	.1205126015E+01	.5226718042E+00	.2194964824E+01	94
45	-.3097000916E+01	.1696349485E+01	.3007355779E+01	.8378530724E+00	.2247300998E+01	.1588226719E+01	.8538918673E+00	.2222523871E+01	95
46	.9087860318E+00	.1657429721E+01	.1132087332E+01	.5796964309E+00	-.2331211681E+01	.9727358097E+00	.8597784708E+00	.2050533840E+01	96
47	.1086306077E+00	.1916602712E+01	.1688782854E+01	.6600062656E+00	.2307836609E+01	.1145179441E+01	.2567523591E+01	.1955969035E+01	97
48	.1160457703E+01	.2990619270E+01	.8979878281E+00	.7072847050E+00	.7023000168E+00	.2493402562E+01	.1500932050E+01	.3872757610E+00	98
49	.9149576030E+00	.2763586918E+01	.1708452729E+01	.1560385208E+01	.9371610822E+00	.2073471270E+01	.6732598126E-01	-.2280037528E+00	99
50	.1292033163E+01	.1720876510E+00	.2524142708E+01	-.2596885617E+01	.4951765596E+00	.2640465274E+01	.1192672097E+01	.1673512780E+01	00

	10401-10450	10451-10500	10501-10550	10551-10600	10601-10650	10651-10700	10701-10750	10751-10800	
01	.2864148985E+01	-.3481081775E+00	.1239801720E+01	.6127995353E+00	.5760586312E+00	.2850359845E+01	.1561286127E+01	.2060943434E+01	51
02	.1141757317E+01	.1201996500E+01	.3079818457E+01	.1536532878E+01	.1311759059E+01	.2211007298E+01	.1523457351E+01	.1174033076E+01	52
03	.1169035657E+01	.1676006058E+01	-.2559311081E+01	.1351541351E+01	.1209020334E+01	.7436700599E+00	.1314206484E+01	.7068184164E+00	53
04	.1417230369E+01	.1076107804E+01	.4486483587E+00	.2594728866E+01	.2383784870E+01	.1345164677E+01	.2269894755E+01	.2237352627E+00	54
05	.1545470598E+01	.1106184432E+01	-.1686597609E+00	.2429845099E+01	.2309147171E+00	.9705250452E+00	-.2901600155E+01	.1225423074E+01	55
06	.2680841394E+01	.2643424353E+01	.9266471449E+00	.1524605689E+01	.1489824483E+01	.1525410088E+01	.2737677801E+01	.2670479847E+01	56
07	.2978247338E+01	.8075869824E+00	.1236785865E+01	-.2646658731E+01	.1834394630E+01	.1090788692E+01	-.1076626928E+00	.1309483277E+01	57
08	.2009936376E+01	.2382820261E+01	.2736383684E+01	-.1162129903E+00	.1393098015E+01	.1062144395E+01	.6051987181E+00	.2554533452E+01	58
09	.1010235655E+00	.1558908097E+01	.9366591949E+00	.4456770658E+00	.3037495554E+01	.2266866893E+01	.1476691936E+01	-.3038059527E+01	59
10	.6549190211E+00	.1340321963E+01	.1670659320E+01	.1030826042E+01	-.2648848574E+01	.1439993196E+01	.1662431351E+01	.1808084507E+01	60
11	.1033684609E+01	-.2736216795E+01	.1908522970E+01	.9042084763E+00	.4681766493E+00	.1057790001E+01	.1396857834E+01	.4887524847E+00	61
12	.8511760390E+00	.2029887003E+01	.2143478808E+01	.2172717039E+01	.4580356830E+00	.1968926100E+01	.1466422789E+01	.1093842184E+01	62
13	.2292226317E+01	-.1039056048E+01	.1365597778E+01	.2121922410E+01	.4839484757E+00	.2747836251E+01	.1782011750E+01	-.5214362651E-01	63
14	.6364714073E+00	.7562947382E+00	.2707371367E+01	.2438844102E+01	.2015117353E+01	-.2771888055E+01	.6123948721E+00	.1413072493E+01	64
15	.3044163752E+01	.1805791150E+01	.1713195935E+01	.4871500738E+00	-.1531610278E+00	.2765568853E+00	.2543312478E+01	.2314909108E+01	65
16	-.2791234537E+01	.1490995295E+01	.1202743863E+01	.1987570245E+01	.2256913688E+01	-.2728860814E+00	.2520160367E+01	.2638143865E+01	66
17	.3653400880E+00	.1431788004E+01	.9321706642E+00	.2534421318E+01	.2630769211E+01	.1502109869E+01	.2234342599E+01	.1335934329E+00	67
18	.1821800395E+01	.2274840704E+01	.2985527654E+00	.2492216758E+01	.2740929059E+01	.6406795919E+00	.1921458849E+01	.2178803716E+01	68
19	.1656308744E+01	.2748301332E+01	.9493346184E+00	.6921191210E+00	.7873237553E+00	.1807766816E+01	.1199047661E+01	.9192595555E+00	69
20	.1079556509E+01	.1904787470E+01	.1293664258E+01	.9040143745E+00	.2123938653E+01	.2518568881E+01	.3960855278E+00	-.2796229181E+01	70
21	.1778865659E+01	.2333115866E+01	.2276127807E+01	.1245595773E+01	.1665902468E+01	.1121506777E+01	.4256730788E-01	.2774370484E+01	71
22	.6898083867E+00	.3729524734E+00	.2979296018E+01	.1058125415E+01	.1986493100E+01	.3098457876E+01	.1562865143E+01	.4765541258E+00	72
23	.9168708883E+00	.1043222262E+01	.2565919033E+01	.1076494796E+01	.1389758810E+01	.1529044251E+01	.1065704607E+01	.9478052871E+00	73
24	.1697485663E+01	.1470062556E+01	.1586044853E+01	.5761347706E+00	.7657269539E+00	.1993344959E+01	.2502779029E+01	.1468859318E+01	74
25	.1613079175E+01	.1018772639E+01	.1062209326E+01	.2729993778E+01	.8467434875E+00	.1730702987E+01	-.2627681380E+01	.2487691563E+00	75
26	.1843070055E+01	.2499799914E+01	.1877980353E+01	.2741505715E+01	.1206580680E+01	.2363797829E+00	.2535642201E+00	.8288834943E+00	76
27	.1706739635E+01	.4537125011E+00	-.7052097277E-01	-.2789501735E+01	.8427760112E+00	.9371014713E+00	.2441727131E+01	.1849065234E+01	77
28	-.2461742541E+01	.7832838495E+00	.1356339678E+01	.8355937331E+00	.2319294298E+01	.3113541814E+01	.2003621999E+01	.2717868280E+01	78
29	.2005744030E+01	.2178345940E+01	.1521653674E+01	.1088074795E+01	.2114651943E+01	.2191630623E+00	.3982717204E+00	.2003223962E+01	79
30	.1889739560E+00	.2022757333E+01	.2329700567E+01	.5040277961E+00	.2771481237E+01	.5395183512E+00	.1140960312E+01	-.3024580243E+01	80
31	.5925385121E+00	-.2695494935E+01	.1476419095E+01	.1401282034E+01	.2199416378E+01	.1124556754E+01	.1062871144E+01	.1058726640E+01	81
32	.3265054580E+00	.2016884656E+01	.9378181048E-02	.6823134951E+00	.2457165283E+01	.2818450800E+01	.1976246606E+01	.1397620945E+01	82
33	.1254987528E+01	.7465805619E+00	.1946032845E+01	.2750741059E+01	-.5239795226E+00	.2764772802E+01	.1385115507E+01	.1409786285E+00	83
34	.2546825001E+01	.1397568411E+01	-.2851079220E+01	.1096849160E+01	-.1217587101E-01	.2016040227E+01	.7034351702E+00	.2062272920E+01	84
35	.2577697362E+01	-.9094864759E-01	.2186321532E+01	.6483821243E+00	.2076794301E+01	.2870897313E+01	.1423143417E+01	.1256372480E+01	85
36	.9438774660E+00	.8471015951E+00	.2769410942E+01	.3028261915E+01	.1315516483E+01	.2512494463E+00	.1907775009E+01	.1802698532E+01	86
37	.1775027192E+01	.1613398021E+01	-.7625719159E-01	.1312455937E+01	.2721298506E+01	.1512393788E+01	.2527260501E+01	.8851702896E-01	87
38	.1338191870E+01	.1388256795E+01	.4854709238E+00	.2353898531E+01	.1448583351E+01	-.5267760480E+00	-.3075078884E+01	.2150470608E+01	88
39	-.2679553715E+01	-.2634389714E+01	.9262124108E+00	.2486350835E+01	.4572123678E+00	.1238242491E+01	.2271981286E+01	.2061351656E+01	89
40	.7011720910E+00	.1385522756E+01	.1484586901E+01	.1815388833E+01	.2007770177E+01	.2254951273E+01	-.4532013099E-01	.1738957651E+01	90
41	.1406772702E+01	.1735026976E+01	.1153194667E+01	.1107769378E+01	.3123702271E+01	.2228243732E+01	.1924162213E-01	.2064366290E+01	91
42	.1384041162E+01	.1407470795E+01	.2565023407E+01	-.5268453613E+00	.2116093045E+01	.1856659584E+01	.1030711801E+01	.2459281947E+01	92
43	.1392988862E+01	.2587672661E+01	.2060297472E+01	.3580948809E+00	.8499754936E+00	.1501886648E+01	.2348772625E+01	.3057727017E+01	93
44	.1471380803E+00	.1129577845E+01	.2047889525E+01	.1723930054E+01	.2473830158E+01	.1887640696E+01	.9825340628E+00	-.1332363622E+01	94
45	.9838535370E+00	.9783326096E+00	.2481319165E+01	.3104771065E+01	.3252035521E+00	.1085131401E+01	.1982723160E+01	.1159500408E+01	95
46	.1581719799E+01	.1782247158E+01	.1497771165E+01	.1296595358E+01	.5991148946E+00	.3134772800E+01	.2320619511E+01	.6824303009E+00	96
47	.2844753066E+01	.3492984505E-01	-.2399627053E+00	.2597536814E+01	.1034111508E+01	.1734419680E+01	.2147695862E+01	.1943455605E+01	97
48	.2830191563E+01	.1134466091E+01	.2135310915E+01	.1956770656E+01	.1110252740E+01	.1066626937E+01	.1991773099E+01	.2030460665E+01	98
49	.2326816304E+01	.2248448207E+01	.2460856903E+01	.2389285306E+01	.1898367868E+01	-.8514958884E-01	.1052139338E+01	.1981281933E+01	99
50	.2026291534E+01	.1653248111E+01	.4555890555E+00	.1110822776E+01	.2710989925E+01	.1260713629E+01	.1814188729E+01	.2115059721E+01	00

	10801-10850	10851-10900	10901-10950	10951-11000	11001-11050	11051-11100	11101-11150	11151-11200	
01	.1924809567E+01	.1475136996E+01	.7684957924E+00	.1434308283E+01	.1445687033E+01	-.4317727159E+00	.1400727468E+01	.7315560082E+00	51
02	.1632126710E+01	.1606305250E+01	-.2099870018E+00	.1202157073E+01	.1660487442E+01	.1761248483E+01	.2420498869E+01	.2442177450E+01	52
03	.2414381092E+01	.2810663836E+01	.1059276808E+01	.2713640272E+01	.2794386860E+01	.4443692907E+00	-.2390141518E+01	.1741764423E+01	53
04	.4242451549E+00	.2797465921E+01	.1860220228E+01	.2238387937E+01	.4279219861E+00	.6124995376E+00	.1805585862E+01	.9922670673E+00	54
05	.1479509544E+01	.1721620418E+01	.1077328116E+01	.1161070489E+01	.2399762202E+01	.1209708890E+01	-.7156280180E+00	.2163040397E+01	55
06	.1801786302E+01	.8583057274E+00	.9846019906E+00	.1600114755E+00	.2367185124E+01	.3002620752E+01	.1630002070E+01	.1586101896E+01	56
07	.1017936014E+00	.1879719075E+01	.2500260575E+01	.1091193922E+01	.2252102330E+01	.2835009246E+01	.9268768067E+00	-.3012497794E+01	57
08	.2401449340E+01	.2038938244E+01	-.2515495289E+01	.6467838110E+00	.4501028098E+00	.1274932102E+01	.8358482186E+00	.1676739303E+01	58
09	-.7213589704E-01	.1049159697E+00	.1430218738E+01	.8818326996E+00	.1552582061E+01	.7040662134E+00	.1506427502E+01	.1419975906E+01	59
10	.1604483279E+01	.1190517729E+01	.1829314269E+01	-.2931273925E+01	.1633733155E+01	.2866618109E+01	.2241722111E+01	-.1666443486E+00	60
11	.2240804266E+01	.2166278698E+01	.3927202447E+00	.2039661486E+01	.6873808351E+00	.2282720475E+01	.2545182778E+01	-.1722351034E+00	61
12	-.2436621652E+01	.9040685477E+00	.1371805333E+01	.2491402485E+01	-.2747005613E-01	.3965280143E+00	.2117103062E+01	.2044330763E+01	62
13	.2457022929E+01	.1183948595E+01	.9921621829E+00	.2113233787E+01	.1755759484E+01	.1597653999E+01	.1912198016E+01	.1921444213E+01	63
14	.1097415807E+01	.1765256439E+01	.2356721933E+01	.1775422541E+01	.2278873212E+01	.1194657403E+01	.1661948397E+01	.2318062037E+01	64
15	.4388528880E+00	.1866689766E+01	.6769631559E+00	.6460840026E+00	.2823584433E+01	.5708059322E+00	.4059989268E+00	.2090724323E+01	65
16	.1025118906E+01	.2318205058E+01	.1362414433E+01	.3093054630E+00	.3099810431E+01	.1763105942E+01	.2211701536E+01	.2300000920E+01	66
17	.1055994461E+01	-.2270707403E+01	.1289689808E+01	.7602886171E+00	.1314558776E+01	.9461751137E+00	.8885763024E+00	.9808198822E+00	67
18	.7974107327E+00	.5475203517E+00	.1302089237E+01	.2548151443E+01	.1458283440E+01	.1260535241E+01	.2104680609E+01	-.2976765219E+01	68
19	.1733246181E+01	.2854056749E+00	-.2833634887E+01	.2297820335E+01	.6732686772E+00	-.2685118231E+01	-.3340278979E-01	-.3494285850E+00	69
20	.2806288806E+01	.5502040367E+00	.1937810422E+01	.4399865345E+00	.7630853509E+00	.2210798473E+01	.1050180706E+01	.6333209421E+00	70
21	.1857144021E+01	.8694313774E+00	.2423864801E+01	.8403081670E+00	.1119021677E+01	.3118336875E+01	.1429343734E+01	.2314214311E+01	71
22	.9827812656E+00	.2110686339E+01	.1694907455E+01	.2300233838E+01	.1297939921E+01	.2888590740E+00	-.2816261465E+01	.2184852194E+01	72
23	.1257311529E+01	.1952053073E+01	.1046421674E+00	.2610151350E+01	.2704046664E+01	-.9248161011E-01	.1126545184E+01	.3326581078E+00	73
24	-.2782872630E+01	.2115705642E+01	.2522002842E+00	.3003973561E+01	.9999345659E+00	.8300882372E+00	.2669650820E+01	.1284891001E+01	74
25	.1040617490E+01	.1058699668E+01	.4215625592E+00	.1446421937E+01	.1512510034E+01	.1916070741E+01	-.3097376735E+01	.1212015109E+01	75
26	.2295335212E+01	.2135791398E+01	.1902209515E+01	.1483001060E+01	.2198012713E+01	.2399594714E+01	.7268295935E+00	.2300407050E+01	76
27	.7100783680E+00	.2870847727E+01	-.3109168322E+01	-.2469078071E+00	.1585765718E+01	.6211843905E+00	-.8377139152E+00	.2238049432E+01	77
28	-.3698919258E+00	.7785224520E+00	.1843791587E+01	.1166838043E+01	.2171931107E+01	.1947897819E+01	.1446080058E+01	-.2940115702E+01	78
29	.1498237626E+01	.1836179365E+01	.1504347891E+01	.9526150843E+00	-.2993041982E+01	.2174736250E+01	.1254235015E+01	.1875752255E+01	79
30	.1670729485E+01	.1177206190E+01	.1948784592E+01	.1701994803E+01	.1382247730E+00	.1310467165E+01	.1582960869E+01	.5911301561E+00	80
31	.1762272601E+01	.2144116102E+01	.1979640202E+01	.1352917832E+01	.4656688163E+00	.2812583505E+01	.3067844953E+01	.3449833402E-01	81
32	.2486755143E+01	-.2590833652E+00	.2156925756E+01	.3053103684E+01	.1886593837E+00	.1452530766E+01	.1078949552E+01	.1301363900E+01	82
33	.1320915184E+01	.2132182625E+00	.1567287713E+00	.2621982148E+01	.1702871251E+01	.1693636263E+01	.1498442029E+01	.1167450723E+01	83
34	-.2709418151E+01	.2410325375E+01	.2025296569E+01	.1264895504E+01	.2180688618E+01	.2227822052E+01	.2237442702E+01	.1531398559E+01	84
35	.2104247799E+01	.1622372444E+01	.1093564837E+01	.1944828818E+01	.1650048331E+01	-.4701010650E+00	.2022143790E+01	.1534106047E+01	85
36	-.8549557327E-01	.2970762644E+01	.1312576594E+01	.7557886428E+00	.2018357010E+01	.2368476131E+00	.1996854190E+01	.2962478641E+01	86
37	.4952614850E+00	.2273083516E+01	.3974083339E+00	.1397162917E+01	.2192250720E+01	.2041635569E+01	.1860358053E+01	.2318542788E+01	87
38	.1069499233E+01	.2439633785E+01	.1867590709E+01	.2309146075E+01	-.2970730271E+01	.1366988442E+01	.1774597456E+00	.7053582518E+00	88
39	.2575215770E+01	.1693173143E+01	.1486695128E+01	.4775745410E-02	.2757770247E+01	.2112226726E+01	.1357568685E+01	.1778683773E+01	89
40	.1788286241E+01	.2562371078E+00	.2404910764E+01	.1437682660E+01	.1117368489E+01	.2737999627E+01	.1311663637E+01	.2444293334E+01	90
41	.4810433094E+00	.2405263091E+00	.2535532346E+01	.8928861539E+00	.1177412962E+01	.2619899003E+01	.4400881771E+00	.1575917401E+01	91
42	.1465358780E+01	.1870564325E+01	-.2491687163E+01	.2681618616E+01	.1549335548E+01	.1639238151E+01	.1712495233E+01	.1049772142E+01	92
43	.2124586491E+01	.1323754875E+01	-.9396484099E+00	.4162203984E+00	.1769302080E+01	.1360069468E+01	.1639579948E+01	.4687266253E+00	93
44	.2301458472E+01	.1299042714E+01	.8731842966E+00	.2647596669E+01	.1129903782E+01	.1159334380E+01	.1985246784E+01	.8514274284E+00	94
45	.1712126293E+01	.2852827366E+01	.1929242329E+01	.3075346648E+01	.7511488976E+00	.4495642521E+00	-.1787719547E+01	.2034508077E+01	95
46	-.2994239033E+01	.1038143253E+01	.6781121794E+00	.2967091173E+01	.1297376278E+01	.1260832695E+01	.1259407161E+01	.4055401249E+00	96
47	.8099274246E+00	.1074744424E+01	.1555089782E+01	.6755160597E+00	.2499089571E+01	.1649900068E+01	.6782420723E+00	.2726098544E+01	97
48	.7500944285E+00	.2045914354E+01	.2069110585E+01	-.4898684942E+00	.2245515833E+01	.2051663011E+01	.6475081187E+00	.2020387897E+01	98
49	.7184481758E+00	.3038242382E+01	.1111503374E+01	.4247266846E+00	.2808363995E+01	.1456652385E+01	.1631036641E+01	.2976105960E+01	99
50	.4977347609E+00	.2531504993E+01	.2817105474E+01	.2421979559E+01	.2418448151E+01	.7808325969E+00	.1214294163E+01	.2958064794E+01	00

	11201-11250	11251-11300	11301-11350	11351-11400	11401-11450	11451-11500	11501-11550	11551-11600	
01	-.3950575519E+00	.2121414058E+01	.1421229939E+01	.8995472501E+00	.1484572837E+01	.2063697639E+01	.2404554671E+01	.1607528259E+01	51
02	.1189958294E+01	.2750190824E+01	.2722440939E+01	.2109363195E+01	.2919699067E+01	.6976208106E-01	.2574240717E+01	.2286136689E+01	52
03	.6895021007E+00	.3130812532E+01	-.2187149017E+00	.9569106684E-01	.2137581863E+01	.2729015019E+00	.6285338769E+00	-.3066471290E+01	53
04	.2587790340E+00	.1153677722E+01	.1290019028E+01	.1488776002E+01	.2742550568E+01	.1490265153E+01	.4711005428E+00	.1114313210E+01	54
05	.3114728184E+01	.1794390289E+01	.2091941486E+01	.2073237754E+01	.1830476048E+01	.2482759982E+01	.2409988489E+01	.2213005196E+01	55
06	.2259951146E+01	.4452667012E+00	.2877602375E+01	.9379127415E+00	-.4564553832E+00	.2606213984E+01	.1186742314E+01	.1557870060E+01	56
07	.7386978800E+00	-.1146102164E+00	.2804301716E+01	.1119005739E+01	.9287986303E+00	.2355058430E+01	.6441682575E+00	.9399161576E+00	57
08	.7810255337E+00	.9078566650E+00	.2561254901E+01	.2047728812E+01	.1573531245E+01	.2059658508E+01	.6661353344E+00	.1641453928E+01	58
09	.3051918987E+01	.2676214497E+01	.1692930810E+00	.1351291800E+01	.2118198294E+01	.2246767090E+01	.2073119456E+01	.1542745993E+01	59
10	.2463906669E+01	.1814861125E+01	.4783354242E-01	.2305292961E+01	.1791970981E+01	.2267051633E+00	.2159102888E+01	.4088774979E+00	60
11	.1984364589E+01	.2627537272E+01	.1696154879E+01	.2444337994E+01	.6629594699E+00	.7595524321E+00	.2615692099E+01	.1663101220E+01	61
12	.1149727493E+01	.2754838537E+00	.6212422091E+00	.2870055325E+01	.8449305837E+00	.3616933499E+00	-.2888398292E+01	.9087550215E+00	62
13	.1777743356E+01	.2014532548E+01	.1660149487E+01	.1382465571E+01	.2493876164E+01	.1698882123E+01	.1234690032E+01	.1896829562E+01	63
14	.5137508264E+00	.2601848109E+01	.2329585114E+01	-.7082600651E+00	.2958805027E+01	.2876347331E+01	.1926053748E+00	.2229397939E+01	64
15	.8551735130E+00	.2423231448E+01	.1979138745E+01	.2226480790E+00	.1257017420E+01	.1186249031E+01	.6850530514E+00	.1454157676E+01	65
16	-.1728506382E+00	.1131467708E+01	.1717682455E+01	.1889251965E+01	.2921117564E+01	.1501871414E+01	.9857101330E+00	.3012028150E+01	66
17	.1676750608E+01	.1198511461E+01	.2381278468E+01	.1724428674E+01	.1251209171E+01	.1029115111E+01	.2093177343E+01	-.2882861364E+01	67
18	-.2931329325E+01	.1038730504E+01	.1431389298E+01	.2670086331E+01	.8722927996E+00	.2580753121E+01	.1143498100E+01	-.9241983678E+00	68
19	.2594349552E+01	-.1955253261E+00	.1562386337E+01	.1112829777E+01	-.7642946715E+00	.2301277856E+01	.1833012790E+01	.4603821604E+00	69
20	.1590246702E+01	.1796214625E+01	.1352436932E+01	.2293347951E+01	.1564272018E+01	.2613519923E+01	.1961954975E+01	.8292359818E+00	70
21	.2763016897E+01	.2100192652E+01	.2464234525E+01	.2195328776E+01	.1714788388E+01	.1475432797E+01	.2365587468E+01	.2496672670E+01	71
22	.6616435639E+00	.9893109514E+00	.4612303275E-01	.2196033612E+01	.2138004924E+01	-.6964743967E+00	.7212622808E+00	.1005060544E+01	72
23	.1144706678E+01	.2198275186E+01	.3645780488E+00	.9059656597E+00	.1741704348E+01	.1087610500E+01	.2126636371E+01	.2434606608E+01	73
24	.1310572099E+01	-.2562198930E+01	.1457095547E+01	.1114128780E+01	-.2827018230E+01	.1980154433E+01	.2773213394E+01	.1744439106E+01	74
25	.5555667214E+00	.2432568138E+01	.1899139284E+01	.1676780619E+01	.6591897811E+00	.8115731336E+00	.1762543589E+01	.1423221160E+01	75
26	.2213812957E+01	.3859364686E+00	.2109644013E+01	.1535839615E+01	.2362481003E+01	.6414563785E+00	.7067639675E+00	.2265523028E+01	76
27	.1059243203E+01	.2860723140E+00	.1982043433E+01	.8417888291E+00	.1275315903E+01	-.2801710354E+01	-.2237032286E-01	.2333471291E+01	77
28	.1824257094E+01	.6124638353E+00	.2262867260E+01	.6450478666E+00	.1620139883E+01	.2114806742E+01	.7337010822E+00	.9160655500E+00	78
29	.1385579515E+01	.2895363514E+01	-.2943748641E+01	.1423807890E+01	.4769613616E+00	-.3045990637E+01	.1836658240E+01	.2206635574E+01	79
30	.1391530049E+01	.8193385955E+00	.8922961755E+00	.1647620094E+01	.1835111614E+01	.1148960990E+01	.2296185490E+01	.8793291079E+00	80
31	.2345454612E+01	.1776050640E+01	-.1441709150E+00	.2948084777E+01	.7941987322E+00	-.2868494591E+00	.9960587899E+00	.1192780733E+01	81
32	.2412328263E+01	.8552414184E+00	.8951797475E+00	.2603752357E+01	.1683566210E+01	.2257141667E+01	.2828687745E+01	.5866714341E+00	82
33	-.2728764595E+01	.2254455862E+01	.1419516144E+01	.2943437155E+01	.1644575889E+01	.1653178001E+01	-.2971369688E+01	.1196880747E+01	83
34	-.9847188977E+00	.1987244998E+01	.1720926279E+01	.8122530055E-01	.8001495391E+00	.1047106972E+01	.1011358396E+01	.5688088075E+00	84
35	.9581847220E+00	.1705441227E+01	.2365582311E+01	.6729406256E+00	.1660434200E+01	.1164668378E+01	.1814756296E+01	.2256498566E+01	85
36	.2593142027E+00	.2246129484E+01	.9609186642E+00	.1507540981E+01	-.2829054164E+01	.1666278388E+01	-.2674823684E+00	-.2323349072E+01	86
37	.2532184629E+01	.2960444605E+01	.2077289637E+01	.7711243536E+00	-.2581347061E+01	.7774747963E+00	.1412272024E+01	.2177436107E+01	87
38	.1279415697E+01	.5327184883E+00	.4157320025E+00	.9079837767E+00	-.1024423284E+00	.2184800240E+01	.1101855218E+01	.1847914567E+01	88
39	.1262144546E+01	.3604766770E+00	.2516770902E+01	.1464877862E+01	.7423435894E+00	.1663004225E+01	.2579826810E+01	.5358783838E+00	89
40	.2974338429E+01	.8124862729E+00	-.2411874378E+01	-.2516686313E+01	.6785413557E+00	.3073908002E+01	.1643009479E+01	.1589593605E+01	90
41	.2205307196E+01	.3819392462E+00	.7658741723E+00	.7041883603E+00	.7928834142E+00	.2100207133E+01	.1333143692E+00	.4452678307E+00	91
42	.1873569896E+01	.2126733840E+01	.1329221564E+01	.1543566233E+01	.2311445797E+01	.2391085996E+01	.1724653534E+01	.6292023530E+00	92
43	.1540002764E+01	.2166083732E+01	.6819536458E+00	.2251371057E+01	.1243837936E+01	-.6485285369E+00	.2347976549E+01	.2099598612E+01	93
44	.1497694886E+01	.2980112739E+01	.9988179574E+00	.1834893883E+01	.2281786352E+01	.1178183551E+01	.2726990144E+01	.2270042940E+01	94
45	.5578552535E+00	.1738150568E+01	.8867377532E+00	.2882539625E+01	.2050428022E+01	.5656808944E+00	.2931125732E+01	.1705531849E+01	95
46	.2088355468E+01	.1369071272E+01	.9344320763E+00	.5152870618E+00	.1737288107E+01	.8371063626E+00	.8557367744E+00	.7006418717E+00	96
47	.1545620160E+01	.2441879279E+01	.1824828275E+01	.3850350504E+00	.1556018562E+01	.2562975368E+01	.8328983230E+00	.1880691329E+01	97
48	.3243116112E+00	.1099843159E+01	.3047575188E+01	.1388548746E+01	.2614088644E+01	.3101653790E+01	.1510108512E+01	.2115925499E+01	98
49	.1135376202E+01	.1009917182E+01	-.3047537974E+01	.5695373886E+00	.7340282099E+00	.1255065486E+01	-.7632791639E+00	-.2983414827E+01	99
50	.1362174995E+01	.6247981812E+00	.1241535370E+01	.1764825993E+01	.1503663071E+01	.1252403734E+01	.2023752966E+01	.1619711858E+01	00

	11601-11650	11651-11700	11701-11750	11751-11800	11801-11850	11851-11900	11901-11950	11951-12000	
01	.1027084110E+01	.2200629086E+01	.1694084105E+01	.2654243969E+01	.1568703819E+01	.2137941307E+01	.2412035712E+01	.9743867988E+00	51
02	-.1974665366E+00	.2584205724E+01	-.3094231098E+01	.5536802372E+00	.2252432881E+01	.1812528164E+01	-.3044471139E+01	.8111485173E+00	52
03	.9907842512E+00	.1372490732E+01	.1350195413E+01	-.6681384906E+00	.1040757004E+01	.1001734867E+01	-.4998098490E-01	.3107305377E+01	53
04	.9983577555E+00	.1630669430E+01	.1217541900E+01	.2048926813E+01	-.2836564400E+01	.1526082927E+01	.3203154715E+00	.2164798733E+01	54
05	.2414273380E+01	.2552218888E+01	.1965688384E+01	.7352592964E+00	-.3094691478E+01	.1105838144E+01	.5872421223E+00	.2547396339E+01	55
06	.1624418348E+01	-.3853579502E-01	.2222983366E+01	.1704450142E+01	-.1475265376E+00	.2756367672E+01	.2026577005E+01	.2905088516E+01	56
07	.2098770933E+01	.3461271787E+00	.2256433214E+01	.2462815400E+01	.4001687984E+00	.1134431872E+01	.2260029296E+01	.4867214912E+00	57
08	.2497439217E+01	.8454653244E+00	.1720760997E+01	.2615186550E+01	.8384346438E+00	.2771699900E+01	.1622275595E+01	.7865608439E+00	58
09	.2789131371E+01	.1591839763E+01	.9925790120E-01	.9860577845E+00	.7361541741E+00	.1914236637E+01	.9776714641E+00	.6912992896E+00	59
10	.7859064840E+00	.2706589516E+01	.2541371398E+01	.2292405751E+01	.2825432447E+01	.2657291404E+01	.1557932956E+01	.7728722112E+00	60
11	.8751123925E+00	.2151496737E+01	.1517481215E+00	.1389010785E+01	.1183024855E+01	-.2732339456E+00	.2322112694E+01	.1899573967E+01	61
12	.7089303908E+00	.2405998316E+01	.1098772893E+01	.2089999158E+01	-.1537535898E+01	.1920220114E+00	.2158362108E+01	.1642421652E+01	62
13	.1698666912E+01	.1750974901E+01	.6316910443E+00	.1588116954E+01	-.2928961771E+01	.1485048617E+01	.2515629990E+01	.2421516056E+01	63
14	.2634660847E+01	.2568626674E+01	.2450427978E+01	.1346519066E+01	.1822435759E+01	.1690505429E+01	.1552023446E+01	.1936874339E+01	64
15	-.5781281437E+00	-.1110849230E+00	.1847354258E+01	-.2240651869E+00	.1762108035E+01	.1762470772E+01	.8815620425E+00	.6404750490E+00	65
16	.1154197824E+01	.6813296791E+00	.2475480237E+01	.1197596794E+01	.2120698978E+00	.2656892707E+01	.4422477917E+00	.2352971264E+01	66
17	.2879482571E+01	.2084578437E+01	-.2511401895E+01	.2259927800E+01	.2213656956E+01	.1739451161E+01	.9710186629E+00	.1732727651E+01	67
18	.1261296640E+01	.7665778417E+00	.5846187963E+00	.1040638715E+01	.1790684903E+01	.2627456794E+01	.1420117926E+01	-.2918557023E+01	68
19	.2581398152E+01	.2171627855E+01	.4583307782E+00	.1695289068E+01	.9444986032E+00	.1274196930E+01	.3341413513E-01	.1854865240E+00	69
20	.2511112427E+01	.1786786780E+01	.1509288572E+01	.2066123984E+01	.8645727492E+00	.1870415619E+01	.2760237552E+01	.4022628335E+00	70
21	.2731429616E+01	.4111262465E+00	.1247585286E+01	-.2645481700E+01	.8080650889E+00	.1117665266E+01	-.2901516916E+01	.1554537079E+01	71
22	.4834003073E+00	.1659334550E+01	.9535670714E+00	.2644568990E+01	.1533174305E+01	.3984816363E+00	.2851193895E+01	.6800465137E+00	72
23	.5885975413E+00	.2544639857E+01	.1720696061E+01	-.6533753978E+00	.2074012123E+01	.1499162981E+01	.1957585032E+00	.1606190681E+01	73
24	.5292582678E+00	.2475112936E+01	.1588398413E+01	.9479589131E+00	.2366867819E+01	.2294928215E+01	.2479682245E+01	.1788754022E+01	74
25	.7740130463E+00	-.2917172920E+01	.2028808903E+01	.1185102776E+01	.2658532120F+01	.7347116553E+00	.4399303763E+00	.1664223938E+01	75
26	.1801334276E+01	.8492913961E-01	.1523916027E+01	.1253995621E+01	.2695091794E+01	.1172490510E+01	.1849989470E+01	.3133616805E+01	76
27	.2351460114E+01	.4921620625E+00	.1079161028E+01	.2174990295E+01	.9160717268E+00	.9271556641E+00	.9507229511E+00	.3116988250E+01	77
28	.2469475500E+01	.7641135737E+00	.2428315573E+01	.1546112542E+01	.7078908416E+00	.2456775116E+01	.1026025981E+01	.8175260183E+00	78
29	.1966698293E+01	.1823481654E+01	-.3002373263E+01	.1605675305E+01	.1596434595E+00	.2692450124E+01	.1767466116E+01	.4601405235E+00	79
30	.1023380409E+01	.2433720417E+00	.1762831796E+01	.1394366677E+01	.1271070870E+01	-.2538324253E+01	.1950894851E+01	.1350035566E+01	80
31	.1488853727E+01	.2232175944E+01	-.7606246574E-01	.1921136455E+01	.1219460064F+01	.4958363036E+00	.6431034957E+00	.5348815110E+00	81
32	.3102259967E+01	.1927112861E+01	.2386119307E+00	.2446153671E+01	.2016922453E+01	.3784837710E+00	.1285788088E+01	.1907757428E+01	82
33	.1108929016E+01	-.2693124276E+01	.1419126196E+01	.2380796917E+01	-.3017658775E+01	.1328659908E+01	-.2993368073E+01	.2514950104E+01	83
34	-.2378772424E-01	.1256962478E+01	.1280945021E+01	.1406746465E+01	.5273893186E+00	.8915814349E+00	.2351509446E+01	.8045802318E-01	84
35	.2127134414E+01	.1302512590E+01	.1355819397E+01	.6810590343E+00	.7234156108E+00	.2257628796E+00	.2847632879E+01	.1717710785E+01	85
36	.9843398398E+00	.2143298754E+01	.2909122091E+01	.1869035087E+01	.3030426655E+01	.2251752181E+01	.5860410219E+00	.1668000242E+01	86
37	.1350931749E+01	.4111248247E+00	.2369604992E+01	-.4781970544E+00	.3055293725E+01	.2975025858E+01	-.8385133711E-01	.2940196754E+01	87
38	.7150836063E+00	.2321001728E+01	.1148270635E+01	.5485426238E+00	.7396183543E+00	.9782995089E+00	.4922290544E+00	.1998483945E+01	88
39	.1721421995E+01	.6988166195E+00	.3023855246E+01	.2352720046E+01	.1732565767E+01	.2881437733E+01	.1075884106E+01	.2263806050E+01	89
40	.2559837188E+01	.1050782790E+01	.1320754806E+01	.2212389582E+01	.3981664149E+00	.9568864220E+00	.2805687510E+01	.1623109551E+01	90
41	-.2907708803E+01	.6731180297E-01	.5317280443E+00	.2983632901E+01	.1270821889E+01	.2057574942E+01	.9628483123E+00	.9161069522E+00	91
42	.2586788440E+01	.1628438931E+01	.3413998640E+00	.2245708541E+01	.1067078101E+01	.2181593670E+01	.3054657538E+01	.7605313569E-01	92
43	.4485495238E+00	.2472660033E+01	.2411093926E+01	.1462827479E+01	.6770783569E+00	.8233592346E+00	.1364656136E+01	.2940258977E+00	93
44	.2870450729E+00	.1934586925E+01	.2040586891E+01	.1631864057E+01	.1960127843E+01	.1941818195E+01	.1651632961E+01	.1413701685E+01	94
45	.8662470506E+00	.2120472084E+01	.5685346472E+00	.1521083913E+01	.2399277184E+01	.4914248270E+00	-.3085381179E+01	.2422095123E+01	95
46	-.1702600618E+01	-.2993165531E+01	-.9134860950E+00	-.1131206633E+00	-.3087650130E+01	.6932357283E-01	.3405002021E+00	.2925418934E+01	96
47	.1086483648E+01	.1459604508E+01	.9936006882E+00	.1335893890E+01	.2242537930E+01	.1465194665E+01	.7620154923E+00	.1752197478E+01	97
48	.2468687813E+01	.7124463165E+00	.2620640634E+01	.2103483781E+01	.1729194303E+01	.2584459798E+01	.2319382693E+01	.1701733907E+01	98
49	.1411892293E+01	-.7682239705E+00	-.2652011336E+01	.1877376369E+01	-.1633813751E+00	.1949855225E+01	.1765065187E+01	.2190597661E+01	99
50	.1234629521E+01	.1188579288E+01	.1339613919E+01	.5510039153E+00	.5731590507E+00	.1996500978E+01	.9029770373E-01	.1558998985E+01	00

	12001-12050	12051-12100	12101-12150	12151-12200	12201-12250	12251-12300	12301-12350	12351-12400	
01	.9805236d04E+00	.1672004792E+01	-.1543746920E+00	.9353278914E+00	.1675866542E+01	-.5767695967E+00	.1218049719E+01	.1837401664E+01	51
02	.9388173324E+00	-.2716241194E+01	.1243730673E+01	.2077352065E+01	.2289532553E+01	.9346156368E+00	.1556847382E+01	.1893288312E+01	52
03	.1737759575E+01	.2076416599E+01	.2361094694E+01	.1577831344E+01	.2354613046E+01	.1377423728E+01	.2106166575E+01	.8573488446E+00	53
04	.1138070583E+01	.3913472968E+00	.1692162026E+01	.1458729502E+01	.1169012063E+01	.9742898504E+00	-.2680254819E+01	.2276366336E+01	54
05	.1059113014E+01	.1067706388E+01	.1056348518E+01	.1032437873E+01	.1103169961E+01	.1060938426E+01	.1625688024E+01	.1156252270E+01	55
06	.1726295269E+01	.1633782488E+01	-.2887082869E+01	.2443968286E-01	-.2869149658E+01	.2151617990E+01	-.2680081337E+00	.2349531336E+01	56
07	.1102316720E+01	.1595464808E+01	.2549784172E+01	.1210356060E+01	.5143628605E+00	.2670033459E+01	.2581632148E+00	.1909290941E+01	57
08	.1474191490E+01	.1098277820E+01	.2097499946E+01	.1547224828E+01	.1897683426E+01	.2558248454E+01	.1206040650E+01	.2169397111E+01	58
09	.3023603656E+01	.1116052247E+01	.2396573680E+00	.2296661241E+01	.7673338044E+00	.1727804700E+01	.2133632288E+01	.1970040539E+01	59
10	-.2734484188E+01	.1238610052E+01	.5307163095E+00	.2641299555E+01	.9034519854E+00	.7417788678E+00	.1430965721E+01	.1625213083E+01	60
11	.1792104091E+01	.1638956161E+01	.5936952348E+00	.2594807316E+01	.1640440876E+01	.1738627995E+01	.1326105684E+01	-.2097597837E+00	61
12	-.1181020211E+01	.2492481072E+01	.3054964353E+01	.2387127226E+01	.1075858310E+01	.2106457697E+01	-.2907892648E+01	.1514046271E+01	62
13	.4565303038E+00	.8391379297E+00	.8830679276E+00	.4577869149E+00	.8352543835E+00	.7369887608E+00	.2028694671E+01	-.3188449040E+00	63
14	.2643718278E+01	.2688573196E+01	.1753242285E+01	.7659947579E+00	.2442090399E+01	.1377418129E+01	.2127946646E+01	.2040101424E+01	64
15	.1128059412E+01	-.2382903936E+01	.1243876047E+01	.1777281099E+01	.2129272605E+01	.1171979040E+00	.9390936450E+00	.2396158195E+01	65
16	.1289066318E+01	.4695719193E-01	.1070641669E+01	-.7305465723E+00	-.1752420641E+01	.2320354956E+01	.1115539788E+01	.2086867104E+01	66
17	.1730649732E+01	.3757555684E+00	.1942635321E+01	.2132208533E+01	.2938829860E+00	.9260529222E+00	.9192814680E+00	-.2841217462E+01	67
18	.2852023134E+01	.8907163174E+00	-.2790514770E+01	.2979290868E+01	.8492679838E+00	.2060866521E+01	.1391981338E+01	.8956292147E+00	68
19	.1686179242E+01	.2462194214E+00	.2424777250E+01	.1549163239E+01	.5519483054E+00	.2017287916E+01	.2264014928E+01	.1789422734E+01	69
20	.1383741289E+01	.2353425141E+01	.9837459949E+00	.1037123465E+01	.1481074928E+01	.2972511311E+01	.7997960944E+00	.2062296779E+01	70
21	.2197854372E+01	.2337419228E+01	.1001391833E+01	.1363818848E+01	.1247260252E+01	.2806774119E+01	.4250767953E+00	-.6330880391E+00	71
22	.1813643174E+01	.2334146630E+01	.5059257158E+00	.1744660996E+01	.1612517078E+01	.1117998980E+01	.1501201415E+01	.1789121669E+01	72
23	.8987405911E+00	.1398080217E+01	.9216661471E+00	-.2630025087E+01	.1846432569E+01	-.1494893044E+00	.2787449986E+01	.1297018008E+01	73
24	.2291428796E+01	.1803502471E+01	.6937402082E+00	.2316871012E+01	.2138435205E+01	.3989148115E+00	.2828898399E+01	.2333556555E+01	74
25	-.2913118314E+00	.2128745113E+01	.1656427437E+01	-.2034231264E-03	.7569571778E+00	.1486458613E+01	.2399115988E+01	.1244400090E+01	75
26	.1149653276E+01	.2195633295E+01	.2462224701E+01	.9919786022E+00	.2629698207E+01	.1199620515E+01	.1944555500E+01	.1159055348E+01	76
27	.1299727665E+01	.4690458338E+00	-.2819276355E+01	.4618240046E+00	.1956430190E+01	.3056335697E+01	.6144643446E-01	.7213072509E+00	77
28	.1482461770E+01	.1326003221E+01	.1091770851E+01	.1644701686E+01	.2117192761E+01	.1754567160E+01	.1520810608E+01	.2495040963E+01	78
29	.1913478250E+01	.1233331554E+01	.1540408915E+01	.7136964537E+00	.1820341678E+01	.7875275705E+00	-.4916098580E-02	.2893325277E+01	79
30	-.2714137809E+01	.2068477194E+01	.2315516952E+01	.2363968797E+01	.1117790428E+01	.1977749165E+01	.7931747361E+00	.2677972899E+01	80
31	.1865696024E+01	-.1750872375E+00	.1465413269E+01	.2255582222E+01	.3391900864E+00	.2434642379E+01	.1740245715E+01	.8347124161E+00	81
32	.2013106185E+01	.6889465513E+00	.8302388412E+00	.2814414397E+01	.3635721094E+00	.2727727983E+01	-.2992993534E+01	.6436091249E+00	82
33	.1655368768E+01	.2606513862E+01	.9098671579E+00	.1809767521E+01	.8882972854E+00	.2185554709E+00	.2051641745E+01	-.4810062427E-01	83
34	-.1743952177E+00	.2737411150E+01	.2118310225E+01	.2050129043E+01	.1929776670E+01	.1497742581E+01	.9542413594E+00	.1103094579E+01	84
35	.5315464947E+00	.2809337634E+01	.1870234224E+00	.5136963259E+00	-.2771536012E+01	.2280302719E+01	.1979702084E+01	.2178098310E+01	85
36	.1584362348E+01	.2671210537E+01	.1790450149E+01	.3427677260E+00	.8921012001E+00	-.3915724887E+00	.2451269953E+01	.1466032504E+01	86
37	.1742198027E+01	.3777451427E+00	.1691655371E+01	.2074230800E+01	.3016169397E+01	.9095739647E+00	.1027787876E+01	.1956284111E+01	87
38	.2943539163E+01	.1290277031E+01	.1107163755E+01	.2230824949E+01	.2230519055E+01	.1820237218E+01	.2278433727E+01	.2249035592E+01	88
39	-.1808323616E+00	.4589825364E-01	-.2990454182E+01	.6456918365E+00	.1550777410E+01	.1186712913E+01	.6761818165E+00	.2609159654E+01	89
40	.2277243876E+01	.1432900336E+01	.2161065596E+01	.6232597330E+00	-.1491923259E+00	.2716173929E+01	.8371835226E+00	.1272567601E+01	90
41	.1206256456E+01	.1642480861E+01	-.2928013529E+01	.1583591054E+01	.1117120360E+01	-.2848333117E+01	.1302822537E+01	.1820007585E+01	91
42	-.3099095667E+01	.1540419918E+01	-.8162838429E+00	.2333067096E+01	.1338077659E+01	.1790308261E+01	.5792096599E+00	.9231750828E+00	92
43	.2697778077E+01	.2266899912E+01	.8573666713E+00	.2229921285E+01	.2256680736E+01	.1771348799E+01	.2079320614E+01	.2036806542E+01	93
44	.1150394896E+01	.1767697158E+01	.4844633386E+00	.2355580550E+01	.1861347662E+01	.1928293645E+00	.1840939337E+01	.2241957650E+01	94
45	.1327990256E+01	.1170285490E+01	.1899864165E+01	.2292484450E+01	-.5271300865E+00	.1195352495E+01	.1135420108E+01	-.7554164684E-01	95
46	-.9569869414E-01	.2386482652E+01	.2115124183E+01	.2123879466E+01	.2223756743E+01	.9017079129E+00	.1956382256E+01	.7487856055E+00	96
47	.1399646174E+01	.1865760542E+01	.2055424529E+01	.1472781325E+00	.2610175434E+01	.1899104786E+01	-.2017445065E+01	.1487922068E+01	97
48	.6459522795E+00	.1903497823E+01	.7064896000E+00	-.6818405081E+00	.1801550824E+01	.1407363691E+01	-.4671157384E+00	.2538712346E+01	98
49	.1880002937E+01	.2377698230E+01	.2170723330E+01	.1430332859E+01	.3007639595E+01	.1017608062E+01	.3780166421E+00	.1596627441E+01	99
50	.2094179963E+01	.2504709995E-01	.2993492271E+01	.2243380273E+01	.2556299501E+01	.2683802007E+01	.1123194392E+01	.2149753586E+01	00

	12401-12450	12451-12500	12501-12550	12551-12600	12601-12650	12651-12700	12701-12750	12751-12800	
01	-.3050314001E+01	.4651156314E+00	.1332477516E+01	.1802623065E+01	-.6596374190E+00	.1370273339E+01	.1057971073E+01	-.2686525575E+01	51
02	.2187084207E+01	.1763965523E+01	.1433949499E+01	.2865031407E+01	.1446173136E+01	.2054419766E+01	.8938662366E+00	.4929880687E+00	52
03	.1577054165E+00	.1045957445E+01	.1012077484E+01	-.2607385574E+01	.1230220671E+01	.2037770643E+01	.2492040557E+01	.2967582079E-01	53
04	.1301156635E+00	.2435609089E+01	.9023702046E+00	.1185252390E+01	.8826540951E+00	.4662252388E+00	-.2447267967E+01	.1284402831E+01	54
05	.1269164527E+01	-.2970816058E+01	.1878208485E+01	.3019414809E+00	.2316303556E+01	.1322123797E+01	.4656511910E+00	.1314324791E+01	55
06	.1204290612E+01	.2959441375E+01	.1915668044E+01	.1004856449E+01	.2512194248E+01	.1961520750E+01	.2414399519E+01	.4744326454E+00	56
07	.1290850989E+01	.1827499487E+00	.7850186848E+00	.1369383168E+01	.2132747822E+01	.8268421147E+00	.1451930542E+01	.2260916680E+01	57
08	-.2967934043E+01	.6785064273E+00	.1399672554E+01	.1504993125E+01	.2917805005E+01	.2001126491E+00	.1880322751E+01	.1636525544E+01	58
09	.1297371001E+01	.1160773252E+01	.2798948370E+01	.1788573365E+01	.1681428080E+01	.1951033751E+01	.1196872858E+01	.2935553526E+01	59
10	.1169913226E+01	.6414887944E+00	.1985982059E+01	.1150253643E+01	.3825855194E-01	.1265999719E+01	.5727896369E+00	.3061421891E+01	60
11	.2054935362E+01	.1612631713E+01	-.2376049169E+01	.8822960288E+00	.1141600169E+01	.2740523970E+01	.1343296782E+01	.2972766885E+00	61
12	.1798685553E+01	.1049018732E+01	-.4178196013E+00	.2579841285E+01	.8493794406E-01	-.2508361984E+01	.1857331925E+01	.2174531726E+01	62
13	-.3047636019E+01	.2686256808E+01	-.5519895588E-01	.1287161329E+01	.2264543216E+01	.1925037823E+01	.9412638288E+00	.7169027951E+00	63
14	.5795496978E+00	.2993944520E+01	.1774720017E+01	.2164375926E+01	.1677055531E+01	-.9358543911E-01	.1185240763E+01	.1003681957E+01	64
15	.9709158876E+00	.6200482820E+00	.1035848614E+01	-.2768612631E+01	.2776381010E+01	.1857816079E+01	.1537677113E+01	.2092361673E+01	65
16	.9713476527E+00	.1487934089E+01	.9437133656E+00	.5273155687E+00	.5381136981E-01	.7329222787E+00	.2624095328E+01	.1204703647E+01	66
17	.1507725559E+01	.2674851234E+01	.2778038224E+01	.2146931685E+01	-.7765507169E+00	-.2103558109E-01	-.2839137842E+01	.1086324205E+01	67
18	.4641626737E+00	.1986811884E+01	.2132060825E+01	-.1308177551E+00	-.2956956807E+01	.2132620365E+01	.2346782541E+01	.9833604804E+00	68
19	.1015552245E+01	.5851727618E+00	.1921433415E+01	.4040212268E+00	.3038976986E+01	.2056591102E+01	.4125512999E+00	.9244563306E+00	69
20	.1870280253E+01	.1843536951E+01	.1186846634E+01	.8162838866E+00	.1814566278E+01	.2397617258E+01	-.9347564228E-01	-.2883232523E+01	70
21	-.2501813270E+01	.1580471197E+00	-.3079854929E+01	.2204830423E+01	.1329078801E+01	.1139412057E+01	.9085509663E+00	.2194576853E+01	71
22	.2419442057E+01	.9344026018E+00	.5039654771E+00	.2719555511E+01	.4238344350E+00	.1678637376E+01	.1638981250E+01	.1927805408E+01	72
23	.2188565090E+01	.1646555933E+01	.1455052401E+01	.2457662781E+01	.1282814182E+01	.1654199752E+01	.1542873219E+01	.2855328635E+01	73
24	.3913190430E+00	.1738285587E+01	.1332305033E+01	.1579666921E+01	.5835683683E+00	.2682073665E+01	.2499231161E+01	.8365135575E+00	74
25	.7075956435E+00	.2214290323E+01	.1944792416E+01	.1209889623E+01	.8026535246E+00	.2135455619E+01	.9147064625E+00	-.4766454551E+00	75
26	.1618320274E+01	.1836027028E+01	.8692143655E+00	.2837855888E+01	.1524443507E+01	.1303803100E+01	.2334042459E+01	.9070398318E+00	76
27	.1071595865E+01	-.2711895924E+01	-.2305082544E-01	.1214840024E+01	.2979422738E+01	.7118887200E+00	.1791613930E+01	.8423933505E+00	77
28	.9330827982E+00	.1726514647E+01	.1418492544E+01	.3058840651E+00	.2453004244E+01	.4543100446E-01	.2459169773E+01	.2330769543E+01	78
29	.2793187351E+01	.9258325291E+00	.2133278988E+01	.9503734885E+00	.2579107733E+01	.7684848643E+00	.1446810779E+01	.2778731216E+01	79
30	.8530035876E-01	-.4146238899E+00	-.3033137113E+01	.2658982119E+01	.1249737220E+01	.2370405960E+01	.1019853962E+01	.1806393244E+01	80
31	.2183348050E+01	.3018963588E+00	.2158426005E+01	.8601997056E+00	.1520991914E+01	.1477996114E+01	.2163856881E+01	.1011573521E+01	81
32	.2323238343E+01	.2604138817E+01	.2159258480E+01	.8645666304E+00	.6299919025E+00	.2402613228E+01	.1440073734E+01	.2045646893E+01	82
33	.2011939878E+01	.2717236197E+01	.2123126088E+01	.1119400639E+01	.1052988244E+01	.2114231313E+01	-.9455735646E+00	.2846569138E+01	83
34	.1575635445E+01	.7369620923E+00	-.3344590286E+00	.2362050689E+01	.2279961334E+01	.2550901521E+01	.1354582145E+01	.1113349289E+01	84
35	.3118716368E+01	.1456486067E+01	.1116029464E+01	.1817032115E+01	.9749479178E+00	.2718715412E+01	.1639394539E+01	.8438843993E+00	85
36	.1498428406E+01	.1593315765E+01	.4089296926E+00	-.2953750518E+01	.5042199356E+00	-.7042331452E+00	.2810672316E+01	.2121555081E+01	86
37	-.7257658664E+00	.2055242949E+01	.1819555953E+01	.2904964129E+01	.2065349554E+01	.2413110817E+00	.1797044380E+01	.5077050945E+00	87
38	.3705664011E+00	.3031139670E+01	.2116912849E+01	.1269676975E+00	.1736535581E+01	.2722739681E+01	.2489129924E+01	.1080961202E+01	88
39	.1753997518E+01	.1123005261E+01	.2368822366E+01	.4651236735E-01	.1993792765E+01	.1023839101E+01	.2989058300E+01	.1643061754E+01	89
40	.1527957627E+01	.2398218672E+01	.1039968078E+01	.7977582904E+00	.1310853840E+01	.2422495351E+01	.7299034903E+00	-.1420022728E+00	90
41	.2533557668E+01	.7481359038E+00	.2011929507E+01	.2155156937E+01	-.3138862202E+01	.4340146245E+00	.1408550591E+01	.2664127322E+01	91
42	.2267764173E+01	.8605803600E+00	.1151727826E+01	.1058519112E+01	-.3117944365E+01	.1401291636E+01	-.8051979219E-01	.2645752689E+01	92
43	.1035840830E+01	.2337889684E+00	.2795359374E+01	.1601057048E+01	-.1540571827E+00	.1831881697E+01	.1312227062E+01	.2898134793E+01	93
44	.3104857082E+01	.7703185973E+00	.2410113591E+01	.2479855963E+01	.2581359902E+00	.2277904217E+01	.1597438014E+01	.3022369917E+01	94
45	.1973633722E+01	.2393174653E+01	.1179054785E+01	.1637106075E+01	.3302524925E+00	.2526939956E+01	.2170787798E+01	-.2786419630E-01	95
46	.6712698121E+00	.1648623596E+01	.6484446952E+00	.2532365569E+01	.1430246565E+01	.2139259561E+01	.1426976495E+01	.4477030656E+00	96
47	.8214039260E+00	.2974929115E+01	.2527203612E+00	.1011536137E+01	.2890474285E+01	.2267958285E+01	.1813378964E+01	.8633044374E+00	97
48	.1602673207E+01	.2724006715E+01	.1044052082E+01	.1952947625E+01	.1206720917E+01	.2994214439E-01	.1012271987E+01	.2411372660E+01	98
49	.1608340803E+01	.1520290965E+01	.2344538024E+01	.1602083044E+01	.2115438062E+01	.5420418910E+00	.1654787691E+01	-.1526555503E+00	99
50	.1491942271E+01	.9255557618E+00	.7209873106E+00	.2426152354E+01	.2445076630E+01	.1178115228E+01	.2602654195E+01	.2361762182E+01	00

	12801-12850	12851-12900	12901-12950	12951-13000	13001-13050	13051-13100	13101-13150	13151-13200	
01	.2381872757E+01	.2117677758E+00	.2190746686E+01	.1431187396E+01	.3096671357E+01	.1433434637E+01	.9624573778E+00	.1401760718E+01	51
02	.1763[illegible]161E+01	.1101095929E+01	.2859192344E+01	.1035892011E+01	.4859537695E+00	.1631988747E+01	.2242353979E+01	-.2839157558E+01	52
03	.1370488392E+01	.1042227355E+01	.2600868543E+01	.2917040713E+01	.7919981133E+00	.6684824085E+00	.4545755183E+00	.2158975839E+01	53
04	.1703864769E+01	.2000740036E+01	.2269237284E+01	.2872214809E+00	.1732348114E+01	.2402568249E+01	.1954910282E+01	.9828815240E+00	54
05	.2389227310E+01	.2073965163E+01	-.2338170016E+00	.1365489815E+01	.8036096999E+00	-.3084044117E+01	.1440162900E+01	.1993958534E+01	55
06	.2445244286E+01	.1971531700E+01	.1726765918E+01	.1743507734E+01	.8501954366E+00	.2616659713E+01	-.3520868836E+00	.2676892127E+01	56
07	.1357441739E+01	.1241429190E+01	.2031911680E+00	.2436817278E+01	.2067993059E+01	.2043335159E+01	.1223460234E+01	-.3040745661E+00	57
08	.9834719059E+00	.1360263734E+01	.1878796283E+00	-.2303995172E+01	.1748907053E+01	-.2134482441E+01	.2573400459E+01	.1055167240E+01	58
09	-.3639361338E+00	.3023760435E+01	.2261878780E+01	.1191754870E+01	.1157571574E+01	.6046082880E+00	.2493437484E+01	.2391131097E+01	59
10	.1830651823E+01	.2004434784E+01	.2583802371E+01	.5798440049E+00	.1904039668E+01	.5884471746E+00	.2255335197E+01	.1020144441E+01	60
11	.7703050322E+00	.1203965818E+01	.2589881776E+01	.2184810381E+00	.1466851705E+01	.2266298510E+01	.2913951185E+01	.1695234543E+01	61
12	.2670036845E+01	.1019387232E+01	.1295577941E+01	.1165745437E+01	.2321238618E+01	.1979248502E+01	.1308634186E+01	.2280947984E+01	62
13	.1844822335E+01	.1738069043E+01	.1307535305E+01	.1605783729E+01	.2716330714E+01	.1597948243E+01	.1161925230E+01	.1667626243E+01	63
14	.3128630396E+01	.6279479373E+00	.1533617961E+01	.4564263243E+00	.2426879949E+01	.1309730416E+01	.2174224996E+00	.2343325525E+01	64
15	.1182726031E+01	.5631888866E+00	-.2874572290E+01	.2162594555E+01	-.1752010834E+00	.7133474976E+00	.5730280021E+00	-.2806585122E+01	65
16	.2842024732E+01	.4009612202E+00	.4332046247E+00	-.2744257983E+01	.1215967634E+01	.2678210894E+01	.7957038952E+00	.2593406892E+01	66
17	.8987517952E+00	.2568947691E+01	.1249103738E+01	.1287240439E+01	-.4217949676E+00	-.3090802546E+01	.2520338712E+01	.1536978204E+01	67
18	.4292178052E+00	.2993960799E+01	.1345807830E+01	.2012429361E+01	.1204480128E+01	.1367735382E+01	.3040428301E+01	-.2450623260E+00	68
19	.5332144955E+00	.3058380430E+01	.1096868873E+01	.2136169614E+01	.2711235999E+01	.1211547774E+01	.5644037185E+00	.1285449961E+01	69
20	.1206706369E+01	.1133809572E+01	.7168198475E+00	.6623996999E+00	.2616731493E+01	.2235864897E+01	.1139079102E+01	.4656154155E+00	70
21	-.2766973142E+01	.2358024925E+01	.7751749490E+00	.1322888377E+01	.1100837909E+01	-.1953885773E+00	.2866174228E+01	.1514814786E+01	71
22	.3762923825E+00	.4191173520E+00	.2908653391E+01	.2182474585E+01	.2540794659E+01	.6913994008E+00	.1472412963E+01	.2199880733E+01	72
23	.8603447931E+00	.9583986281E+00	.1472017460E+01	.1204482098E+01	.2318055874E+01	.6307764119E+00	.3078360862E+01	.1296059327E+01	73
24	.1597321633E+01	.6460625183E+00	.2795628385E+01	-.1903698705E+00	.1940207121E+01	.2201363969E+01	.8600192330E+00	.2562707174E+01	74
25	.2811663931E+01	.1961434019E+01	-.2647193771E+01	.1406334714E+01	.4909626966E+00	.2150045498E+01	.1398110874E+01	.1871621823E+01	75
26	.1929960248E+01	.1312878827E+01	.6546642576E+00	.2006174079E+01	.9164593347E+00	.3003037244E+01	.4398787165E+01	.1753268049E+01	76
27	-.2847062511E+01	.2257442769E+01	-.1598497516E+00	.1781969675E+01	.7391760020E+00	.2121758225E+01	.1401604530E+01	.1657762860E+01	77
28	.7694140052E+00	.1287063153E+01	.1256661183E+01	.2621068808E+01	-.3106002418E+01	.1396960520E+01	.8696298553E+00	.1688270758E+01	78
29	.1223585558E+01	.9319039456E+00	.6527738564E+00	.1825939814E+01	.4354171921E+00	.2181895269E+01	.1936756421E+01	.1895865774E+01	79
30	.4209319126E+00	.2416445409E+01	.2568973686E+01	.3054009625E+01	.6942527466E+00	-.6915942720E+01	.1623710114E+01	.1756331168E+01	80
31	.1385731210E+00	.2557348644E+01	.1812974707E+01	.1942005775E+01	.1537163397E+01	.1932296642E+01	.2117992606E+01	-.6668407441E+00	81
32	.1797460651E+01	.1959027727E+01	.7301924134E+00	-.9314396755E+00	.1762699895E+01	.8870504037E+00	-.2778442753E+01	.1376846091E+01	82
33	.1687998317E+01	.2817340700E+01	.1504515871E+01	.3623649858E+00	-.3077117225E+01	.1639773417E+01	.2398176184E+01	.8673879809E+00	83
34	.2060435414E+01	-.1063046063E+01	.2979526288E+01	.1856570705E+01	.1468685960E+01	.1522219189E+01	.2934732221E+01	.2501655536E+01	84
35	.2496358089E+01	.5879142246E+00	.1518661125E+01	.1917440070E+01	-.2533636636E+01	.1085226372E+01	.4023265782E+00	.1911344910E+01	85
36	.2438214267E+01	.1581092339E+01	.1633345230E+01	.1770597331E+01	.3060293081E+00	.1920957783E+01	.1070211684E+01	.2024892104E+01	86
37	.1607646139E+01	.1618654190E+01	.2585692488E+01	.2295517718E+01	.1115663312E+00	.1369603121E+01	.2500687702E+01	.1698239216E+01	87
38	.6449113653E+00	.1861930302E+01	.1834289414E+01	.8655407713E+00	.1500423053E+01	.1205600348E+01	.1037992039E+01	-.2120663958E+01	88
39	.2187974076E+01	.1219327258E+01	.7495547556E+00	.1996834069E+01	.7633113834E+00	-.2841704568E+01	.9501873891E+00	-.2961811413E+00	89
40	.1716677905E+01	.2803658479E+01	-.2100725373E-01	.2025067266E+01	.1138378616E+01	-.2682803001E+01	.1823352794E+01	.1232426342E+01	90
41	.7310749354E+00	.2711647176E+01	.3803815042E+00	.2410933527E+01	.2254940245E+01	-.4985311891E+01	.1867639335E+01	.4255152345E+00	91
42	.1479174429E+01	.1910941953E+01	.2168986227E+01	.2009223565E+01	.1811575524E+01	-.3724091989E+01	.1256824740E+01	.1374765290E+01	92
43	.4161942811E+00	.1202411389E+01	.1416291779E+01	.7469480439E+00	.3115142790E+01	.9105496742E+00	.2498741537E+01	.1596140704E+01	93
44	.1074947439E+01	-.1934142225E+00	.2792589781E+01	.1156599427E+01	.4765162583E+00	.1818311175E+01	.2141462734E+01	.2690216137E+01	94
45	.2869618492E+01	.2140645979E+01	.2308397087E+01	.7904515154E+00	.1811039267E+01	.1295033605E+01	.2777697063E+01	.8106066540E+00	95
46	.6308125055E+00	.1998222890E+01	.2419512609E+01	.1130339299E+01	.2536701420E+01	.1632414144E+01	.1355596477E+01	.1423861417E+01	96
47	.2170390914E+01	.1060023835E+01	.1601708554E+01	.9784745122E+00	.1633721002E+01	.2268127951E+01	-.4952064936E-01	.1631163326E+01	97
48	-.2931406770E+01	.8797895496E+00	.1313133859E+01	.1342954678E+01	.1812863018E+01	.2240172950E+01	.6664524034E-02	.2326011026E+01	98
49	-.3066329255E+01	.1400300329E+01	.1014360349E+01	.2085223369E+01	-.1252548045E+00	.2238171369E+01	.1709790399E+01	.2869854325E+01	99
50	-.1957828788E+00	.1103833293E+01	.6544657862E+00	-.2861745366E+01	.1108077223E+01	.1589883312E+01	.1386522554E+01	.2213519817E+01	00

	13201-13250	13251-13300	13301-13350	13351-13400	13401-13450	13451-13500	13501-13550	13551-13600	
01	.1462441737E+00	.1417452980E+01	.1450392104E+01	.1996432218E+01	.1506009654E+01	.2060580047E+01	.1001140275E+01	.1520254096E+01	51
02	.9659411685E+00	.4055168984E+00	.7666634703E+00	.2833511695E+01	.2585850023E+01	.9115707336E+00	.1135783851E+01	.1634786566E+01	52
03	.1641490385E+01	.2165584754E+01	.1566170558E+01	.2802320284E+01	.6877632733E+00	.1456121044E+01	.1300866231E+01	.1500443740E+01	53
04	-.1509425159E+00	-.2952716552E+01	.1897675888E+01	.1119557740E+01	.5073683696E+00	.9513351879E+00	.1612931834E+01	.9473476990E+00	54
05	.1173529098E+01	.2003570901E+01	.2377342513E+01	.5846736683E+00	.2206969551E+01	-.2819580935E+00	-.2312420792E+01	.1260154378E+01	55
06	.2053683656E+01	.8392854193E+00	.1038058926E+01	-.3579084900E+00	.2004539237E+01	.8397344927E+00	.2989683144E+01	.7634730454E+00	56
07	.2902147182E+01	.6995705539E+00	.2570551285E+01	.1132127531E+01	-.2538352884E+01	.3059834766E+00	.6220282544E+00	.1155127947E+01	57
08	.2961676049E+01	.7785125741E+00	.1204091271E+01	.1757533147E+01	.1693554464E+01	.1872706173E+01	.1244841009E+01	.1410376155E+01	58
09	.1518597187E+01	.1952810108E+00	.2865736093E+01	.2181587717E+01	.1281530576E+01	.7399196300E+00	-.2972607116E+00	.3020528134E+01	59
10	.1638454104E+01	.2524335842E+01	.2483073645E+00	.2911491309E+01	.8291464393E+00	.1316873154E+01	.1262375347E+01	.2212095183E+01	60
11	.9912035728E+00	.1205660060E+01	.2505912898E+01	.8245547170E+00	.7091886732E+00	.2286409146E+01	.2410712318E+01	.1390806811E+01	61
12	.1599049916E+01	.2272375378E+01	.1548361318E+01	.1390480817E+01	.1199094142E+00	.2573649064E+01	.1139006718E+01	-.2388601121E+01	62
13	.8324356692E+00	.2915326677E+01	-.4231857770E+00	.2974035913E+01	.1286034458E+01	.2638881997E+01	.1999655810E+01	-.1390801188E+00	63
14	.1077346046E+01	.2322092668E+01	.1248066376E+01	.2060416754E+01	.2492003853E+01	.1889677184E+01	.1159384908E+01	.1675232021E+00	64
15	.2131427711E+01	.2121377365E+01	.8976461405E+00	.8963720166E+00	.1654698047E+01	-.5748638083E+00	.1975316717E+01	.9636001181E+00	65
16	.7822467321E+00	.4734910452E+00	.1916606811E+01	.1123797323E+01	-.2834655182E+01	.9992707936E+00	.2331971999E+01	.7559951922E+00	66
17	.1194380377E+01	-.5623189137E-01	-.2844016023E+01	.1200689688E+01	.9987515335E+00	.1157257686E+01	.1355900355E+01	.2840438346E+01	67
18	.2162963076E+01	.1631443352E+01	.1615352365E+01	.2065440257E+01	.1753089592E+01	.9995068581E+00	.2779892794E+01	.2517005429E+01	68
19	.1687717292E+01	.2031523488E+01	.2649292891E+01	-.4394209994E+00	.2185815232E+01	.2003920392E+01	.1151331074E+01	.1121154791E+00	69
20	.2368116702E+01	.2080212137E+01	.2011330779E+01	.1439148882E+01	.1135612412E+01	.2365378028E+01	.2219017383E+01	.2371620254E+01	70
21	.2727711003E+01	.5481926669E+00	.1263743206E+01	.1698021609E+01	.7017609290E+00	.1812522613E+01	-.5296591900E+00	.1488637144E+01	71
22	.2665154978E+01	.5355703114E+00	-.5599188767E+00	.2655928081E+01	.2379917692E+01	.2219466354E+01	.8857819121E-01	-.2958053212E+01	72
23	-.2017014745E+00	.2457274279E+01	.1075854110E+01	.2125395811E+01	.4280903302E+00	.3096625313E+01	.9896064274E+00	.1152314140E+01	73
24	-.1665771463E+00	.2815167116E+01	.1822209830E+01	-.2906636384E+01	.1852628455E+00	-.1199858684E-01	-.2872140158E+01	.1711993808E+01	74
25	.4698060948E+00	.1571163073E+01	.2374442930E+01	.1923848400E+01	.2552639123E+01	.1372560329E+01	.1278376481E+01	.1640026614E+01	75
26	.2569275503E+01	.2560286639E+01	.1165922933E+01	-.4581405407E+00	.1724715359E+01	.5388942580E+00	.2597736053E+01	.2070937482E+00	76
27	.2108077262E+01	.2287102787E+01	.1844164572E+01	.8503870005E+00	.1082514192E+01	.2980786745E+01	.2510819017E+01	.1236309925E+01	77
28	.1273300493E+01	.6110206910E+00	.8700856664E+00	.1911323214E+01	.2420638530E+01	.7041943928E+00	.1877539088E+01	.7915629740E+00	78
29	.2565708711E+01	.7614452274E-01	.1838250621E+01	.7062301462E+00	-.3050951896E+01	.1309783850E+01	.1888083017E+01	.1145555449E+01	79
30	.1076552594E+01	.9199710313E+00	.2646279913E+01	.1739925288E+01	.2971471020E+01	-.1110938402E+00	.3706624874E+00	.2026357222E+01	80
31	.2893049708E+01	.7287575175E+00	.2998746375E+01	.1830507986E+01	-.2244297740E+00	.2573272839E+01	.7299513104E+00	.2638591904E+01	81
32	.1971410983E+01	.1656949251E+01	.1494460189E+01	.2081193432E+01	-.9943688551E-01	.2461334876E+01	.1511456499E+01	.3048483693E+01	82
33	.4184548685E+00	-.2994838601E+01	.8120070728E+00	.1182828380E+01	.1110806641E+01	.1936723893E+01	.1755833793E+01	.2404918024E+01	83
34	.1792191112E+01	.1555429484E+01	-.3929644225E+00	.2550833310E+01	.1691534868E+01	.2274426657E+01	.1729139726E+01	.5696798553E+00	84
35	.1680907497E+01	.2630558399E+01	.1353536208E+01	.7904556449E+00	.2319093455E+01	-.3125073674E+01	.1029140215E+01	.2476947395E+00	85
36	.1379710047E+01	.1417555722E+01	.1992701887E+01	.2314050028E+01	.1220957360E+01	.6155167017E+00	.1332148545E+01	.2250395807E+01	86
37	-.4311292048E+00	.1524184135E+01	.7584614157E+00	-.2884344763E+01	.1518990143E+01	.8694941669E-01	.1271777206E+01	.4926283146E+00	87
38	.2015245512E+01	.1764627833E+01	.1736562961E+01	.1110195659E+00	.2630436441E+01	.7472447277E+00	.2349777907E+01	.1696495232E+01	88
39	.1379659937E+01	.1488198620E+01	.2292745154E+01	.4306592949E+00	.1066619106E+01	.1328260920E+01	.3118294061E+01	.1389860165E+01	89
40	.1717835201E+01	.4925500866E+00	-.2414215065E+01	.6058274444E+00	.2326211618E+01	.8437647352E+00	.3095795524E+01	.1473972181E+01	90
41	.1941193990E+01	.1279509177E+01	.1190881966E+01	.1522314191E+01	.2467057093E+01	.2466394984E+01	-.5703800512E+00	.2519271888E+01	91
42	-.1912090153E+01	.1708187318E+01	.1156532798E+01	.1657267316E+01	.5193268918E+00	.3025750824E+01	.1195772643E+01	.2063260890E+00	92
43	.1291105126E+01	.1397648083E+01	.1220168683E+01	.1883239642E+01	.2248267119E+01	.1403844872E+01	.9054719295E+00	.2158218763E+01	93
44	.1255620814E+01	.5096655631E+00	.1284790175E+01	.2167690046E+01	.6945540762E+00	.9585269389E+00	.1353249922E+01	.2773848200E+01	94
45	.4335321999E+00	.1968117302E+01	.1503672192E+01	.2851127024E+01	.8254392395E+00	.2188906510E+01	.6698383883E+00	.3132265269E+01	95
46	.7767975604E+00	.2443472023E+01	.1512170764E+01	.2122453046E+01	.7639988331E+00	.2625940703E+01	.1426076619E+01	.1367721152E+01	96
47	.1532995527E+01	.2592132745E+01	.3026034894E+00	.1784257771E+01	.7018243415E+00	.1600221970E+01	.3120360309E+01	-.7139964519E-01	97
48	.3864375072E+00	-.2493503918E+01	.2034966068E+01	.1435356325E+00	.2270024312E+01	-.4958554580E-01	.2657460649E+01	.5376083356E+00	98
49	.2396205484E+01	-.1001881172E+01	.1304011161E+01	.1162688015E+01	.3083082208E+01	.1885383311E+01	.1407720765E+01	.9269181227E+00	99
50	.2860503543E+01	.1048982489E+01	.1801880039E+01	.1034716501E+01	.2759548965E+01	.1156446324E+01	.1676123494E+01	.1496931170E+01	00

	13601-13650	13651-13700	13701-13750	13751-13800	13801-13850	13851-13900	13901-13950	13951-14000	
01	.2100309766E+01	.1791946975E+01	.1611434714E+01	.4239547735E+00	.1470915908E+01	.1518103520E+01	.2497508211E+01	.2145796573E+01	51
02	.2041238973E+01	.8345599085E+00	.1067754235E+01	.1567563434E+01	.1886574459E+01	.1548424160E+01	.2358971532E+01	.8539202215E+00	52
03	.2186643987E+01	.9948405677E+00	.1289639943E+01	.5888194302E+00	.2559753549E+01	.2118560165E+01	.1964812909E+01	-.2591441470E+00	53
04	.2511548494E+01	.1057804274E+00	.2508976140E+01	.1175642958E+01	-.2631049235E+01	.5000866524E+00	.1538415624E+01	.1879352743E+01	54
05	.8934300771E+00	.8676790228E+00	-.2883110348E+01	.2031686944E+01	.7270925574E+00	.1594290669E+01	.5709229181E-01	.2048783825E+01	55
06	.2900844761E+01	.1354918266E+01	.2312096156E+00	.3072534154E+01	.5072177150E+00	.1230220929E+01	.3741566675E+00	.2840169432E+01	56
07	.6216522379E-01	.3040112605E+01	.1468577650E+01	.1258964358E+01	-.4042029275E+00	.2740192036E+01	.1468515948E+01	.3087460576E+01	57
08	.6534966449E+00	-.3099550085E+01	.1367307993E+01	.1468237070E+01	.1606370329E+01	.2704316731E+01	.2153102356E+01	.2098301974E+01	58
09	.1984597005E+01	.1168808539E+01	.1817618578E+00	.2305628385E+01	.1381632189E+01	.1635354276E+01	.2505470927E+01	.6491981515E+00	59
10	.2579584604E+01	.1964453657E+01	.1281883197E+01	.1876202769E+01	.2725649661E+01	.2298899104E+01	.6863187049E+00	.1173877711E+01	60
11	-.1594435234E+00	.2310254735E+01	.1189252292E+01	.1300510429E+01	.1574740051E+01	.1182866726E+01	.5561647363E+00	.2223109440E+00	61
12	.5000910611E+00	.3875957496E+00	.1793119108E+01	.2197518227E+01	.1922256706E+01	-.1930609298E+00	.2343056182E+01	.1394887579E+01	62
13	.2579068686E+01	.9634182465E+00	.2909410321E+01	.5361201721E+00	.1594681795E+01	.1465722918E+00	-.3119473050E+01	.5432051258E+00	63
14	.1479039746E+01	.1394752726E+01	.2350168769E+01	.5815101150E+00	.2806772449E+01	.1583134629E+01	.1982496393E+01	-.2982252218E+01	64
15	-.3038141787E+01	.1159494081E+01	.3027110937E+01	.2428076249E+00	.1703992594E+01	.1567745337E+01	.2298664844E+01	.8281381893E+00	65
16	.2636036709E+01	.2283727503E+01	.5873553872E+00	.2073947383E+01	-.2094231565E+00	-.2999701524E+01	.7044742503E+00	.2248632441E+01	66
17	.1878843615E+01	.9947568104E+00	.7459311562E+00	.2549942660E+01	.2392163925E+01	.1777945820E+01	.6598818564E+00	.1995161760E+01	67
18	.1063552528E+01	.3304339881E+00	.1092814797E+01	.9338365378E+00	.1989058397E+01	.1750955027E+01	.2082830358E+00	.6082497770E+00	68
19	.4541395173E+00	.2709298753E+01	.6806121637E+00	.3113826788E+01	.8565688339E+00	.2221605079E+01	.1708634653E+01	.2954204040E+01	69
20	.2626271985E+00	.2157692109E+01	.2763761631E+01	.2585099246E+01	.3473333107E+00	.1239070590E+01	.1171606876E+01	.2457508811E+01	70
21	.9467237723E+00	.1985365915E+01	.7579307822E+00	.2564586158E+01	.4470445059E+00	.2288207535E+01	.1678144128E+01	.1892786416E+01	71
22	.2186390753E+01	-.2439582096E+01	.1245803343E+01	-.7062982443E-01	.2571746889E+01	-.2815733405E+00	.2232658419E+01	.1062370214E+00	72
23	.1873447020E+01	.6332384135E+00	.1638178401E+01	-.8706371644E-01	.2002818680E+01	.2012038996E+01	-.2868699671E+01	.2300510685E+00	73
24	.2332441742E+01	-.5819914774E+00	.2392357629E+01	.1341162448E+01	.3005594406E+01	.1839332045E+01	.1528918136E+01	.9318405779E+00	74
25	.2036549378E+01	.9363135721E+00	.1322713145E+01	.2122262545E+01	.1919563034E+01	.3540803983E+00	.2008097156E+01	.1604241583E+01	75
26	.1174477874E+01	.1592559636E+01	.2452963014E+01	.2112293500E+01	.2915560322E+01	.1688768867E+01	.1154027425E+00	.2533234676E+01	76
27	.2022712441E+01	.2002646739E+01	.2189685627E+01	.1227914913E+01	.2408486882E+00	.1348582031E+01	.9971448577E+00	.1319556233E+01	77
28	.1696930430E+01	.8199025964E+00	.2915265270E+01	.9228603145E+00	.5096122213E+00	.1602930119E+01	.2862701714E+01	.1430656701E+01	78
29	.2429651807E+01	.2408754472E+01	-.8809206774E+00	.2127535348E+01	.1037517854E+01	.1479753185E+01	.6388056581E+00	-.2247482907E+01	79
30	.9104486897E+00	.2397583546E+01	.4522094695E+00	.1903924034E+01	.1445043371E+01	-.2882589714E+01	.5523274307E+00	.2168421410E+01	80
31	.7822966010E+00	.2459724367E+01	.1491842576E+01	.2046275630E+01	.4311999162E+00	-.2504053736E+01	.2056767352E+01	-.3214484866E+00	81
32	-.1657971175E+00	.1294582798E+01	.8802397845E+00	.2974071916E+01	.2832110492E+01	-.8759218333E+00	.1305640843E+01	.1748894357E+01	82
33	.2447690327E+01	.1364146539E+01	.2413103542E+01	.1536017610E+01	.2565106163E+01	.1242850205E+01	.1743195917E+01	.7536267943E+00	83
34	.1049437210E+01	.1628252237E+01	.2122781981E+01	.4420914185E-01	.8425852238E+00	.6350432673E+00	.1829523571E+01	.1010369348E+01	84
35	.1980786202E+01	.1263860903E+01	.2457605765E+01	.1829463496E+01	.1518813576E+01	.1739724582E+01	.1983787719E+01	.2843252351E+01	85
36	.1149957504E+01	.2040303120E+01	.1415164634E+01	-.2711859384E+00	.1782428174E+01	.9563396947E+00	-.2861135559E+01	.7380649856E+00	86
37	.2989321362E+01	-.6238052693E-01	.2471568036E+01	.1398978610E+01	.3040351442E+01	.2147679754E+01	.2313931255E+01	.1176588691E+01	87
38	-.2459976635E+01	.1114960113E+01	.1591756965E+01	.1775535811E+01	.2172092271E+01	.1226952624E+01	-.6362230496E+00	.1402947305E+01	88
39	.1228214819E+01	.1471713212E+01	.9786267329E+00	.1479314201E+01	.9460545561E+00	.2879855321E+01	.6879540260E+00	.2068517390E+01	89
40	-.6231977712E+00	.1706795539E+01	.1268200152E+01	.2777282786E+01	-.4037617989E+00	.1735263711E+01	.8983159812E+00	.2055387887E+01	90
41	.1034745023E+01	.2285449880E+01	.7663950931E+00	-.2676879002E+01	.1000633280E+01	.1328340865E+01	.1402587807E+01	-.2764142795E+01	91
42	.1945152753E+01	.1841081917E+01	.1954721788E+01	.1339655538E+00	.2431248019E+01	.1825306835E+01	.2070260861E+01	.1599912614E+01	92
43	.1226667369E+01	-.2539869270E+01	.1496628062E+01	.2068866102E+01	-.4579829623E-02	.2587664352E+01	.1858934509E+01	.9155171293E+00	93
44	.1286694174E+01	.1403204074E+01	.9366719774E+00	.1666868453E+01	.1705332376E+01	.8624565710E+00	.2776779345E+01	.3047565177E+00	94
45	.2662112762E+01	.8261518573E+00	.1186378983E+00	.1133025723E+01	.3137784139E+01	.1558822758E+01	.5890966834E+00	.1442331334E+01	95
46	.4589952195E+00	.9551181925E+00	.1903647302E+01	.6867086644E+00	.2482196933E+01	.6130065929E+00	.1824905816E+01	-.2608272292E+00	96
47	.1568587093E+01	-.5947862481E+00	-.2335576773E+01	.1191061039E+01	.2786745986E+01	.1195607023E+00	-.3046463904E+01	.1702631657E+01	97
48	.2890069845E+01	.1594713845E+01	.2775633251E+01	.2239187731E+01	.1344641967E+01	.1422483243E+01	.1201214630E+01	.1885082531E+01	98
49	.2095909132E+01	.2458434751E+01	.2153261881E+01	.7103767849E+00	.5909397015E+00	.2042011735E+01	.8689267853E+00	-.2531452206E+01	99
50	.2040059864E+01	.2425210696E+01	.2607380119E+00	.1730456849E+01	.5923189141E+00	.2431291824E+01	.1017590802E+01	.1620683933E+01	00

	14001-14050	14051-14100	14101-14150	14151-14200	14201-14250	14251-14300	14301-14350	14351-14400	
01	.1427249585E+01	.5120855645E+00	-.3111106929E+01	.2093957958E+01	.2509507829E+01	.2119836265E+01	.1844568926E+01	.2193264320E+00	51
02	.1401050447E+01	.1468745084E+01	.1635774874E+01	-.2761897443E+01	.1000447804E+01	-.1820446109E+00	.7926969466E+00	.2614826258E+01	52
03	.2682874218E+01	.1879445399E+01	.2045134684E+01	.8455667015E+00	.1741299710E+01	.1875448003E+01	.5930746223E+00	.2376919306E+01	53
04	.7146898601E+00	.1971473248E+01	.1724952733E+01	.1123811733E+01	-.5589499974E+00	.1544474107E+01	.1459356607E+01	.1597323534E+01	54
05	.1184677894E+01	.2522799928E+01	-.2410601607E+00	.2247466927E+01	.8182528065E+00	.2830936592E+01	.1562805935E+01	.3047392698E+01	55
06	.1530188857E+01	.2585631564E+01	.1807819094E+00	.2387205844E+01	.1647093468E+01	.2747151082E+01	.1696189949E+01	.2743179999E+01	56
07	.8396427636E+00	.1692032146E+01	.1550065635E+01	.2276240364E+01	.1378465132E+01	.2815092326E+01	.8779735465E+00	.8793729508E+00	57
08	.1348370676E+01	.1396448615E+01	.1734622799E+01	.1466045189E+01	.2813951041E+01	.2480916522E+00	.1895135049E+01	-.3121282139E+00	58
09	.1339840303E+01	.4092100979E+00	.2135249947E+01	.6662486228E+00	.2474513864E+01	.2177249584E+00	.1620380762E+01	.6880859426E+00	59
10	.9470809214E+00	.1568377755E+01	.2844460276E+01	.2096950015E+01	.5006554167E+00	.1038049396E+01	.1866346044E+01	.1838433818E+01	60
11	.2692895344E+01	.1573546506E+01	.1654561044E+01	.7099441933E+00	.1675483484E+01	.1176654481E+01	.2474666570E+01	.2292558408E+01	61
12	.2591443214E+01	.2032183791E+01	.1918916893E+01	-.1482570734E+00	.3078774272E+01	.1044079633E+01	.1980400548E+01	.1829539849E+01	62
13	.2633827646E+01	.1448912156E+01	.2824653598E+01	.1136929700E+01	.1541600053E+01	.2547252585E+01	.2890333977E+01	.5533682464E+00	63
14	.2695143018E+01	.4051977197E+00	.1306302343E+00	.2261006206E+01	.1252710075E+01	.1914517896E+01	.3546144914E+00	.1370380359E+01	64
15	-.1116420352E+01	.2440032512E+01	.1638532696E+00	.2835485883E+01	.1687270586E+01	.1765894337E+01	-.3139099170E+00	.2426790924E+01	65
16	.7190996211E+00	.2916427476E+01	.1627281820E+01	.1847498308E+01	.2369774590E+00	.2789534653E+01	.1824779560E+00	.2529839593E+01	66
17	.8110774955E+00	.1369752984E+01	.2330662585E+01	-.3042678965E+01	.9667029007E+00	.1607516044E+01	.2146642852E+01	.2068561887E+01	67
18	.2751134114E+01	.2020754097E+01	.1536370997E+01	.1471297497E+01	.1307330671E+01	.6598696207E+00	.2387318299E+01	.1723980277E+01	68
19	.1149553863E+01	-.2543270807E+01	.5598158615E+00	.7080888497E+00	.1851083564E+01	.2035858813E+01	.1940407936E+01	.1876470990E+01	69
20	.2079081137E+01	.3490172404E+00	.1729864959E+01	.8379658069E+00	.1265190204E+01	.1413915203E+01	.1597166848E+01	.5438502990E+00	70
21	.1450753456E+01	.8154620931E+00	.1149792898E+01	.1372704929E+01	.2250089715E+01	.1989934250E+01	.2562169162E+01	-.1383331710E+00	71
22	.1865048390E+01	-.6334439090E+00	.2059733442E+01	.1151523028E+01	.2722875570E+01	-.2941369402E+00	.1944695287E+01	.1344136677E+01	72
23	.2305154678E+01	.1208978881E+01	-.2737801949E+01	.1252599276E+01	-.2650642354E+01	.6279532825E+00	.2122118126E+01	.1390051075E+01	73
24	.2062765523E+01	.2778940126E+01	.2211226202E+01	.2181923333E+01	.4005654818E+00	.2348803805E+01	.2772048148E+00	.1643235056E+01	74
25	.1237577571E+01	.1545476681E+01	.1828677653E+01	.9668790188E+00	-.1993225271E+00	.1699189526E+01	.1474541948E+01	.2426148905E+01	75
26	.1677547838E+01	.2716213197E+01	-.9455964922E+00	.2282576024E+01	.1185978284E+01	.1769836168E+01	.1562137753E+01	-.3141468978E+01	76
27	.2201073549E+01	.9723801143E+00	.1435518353E+01	.9751340929E+00	.1590567557E+01	.2754534044E+01	.1198879240E+01	.2009047519E+01	77
28	-.1612198732E+00	.2359960130E+01	.1394413383E+01	.2108734108E+01	.2129051904E+01	.2318940982E+01	.1828547513E+01	.6282126634E+00	78
29	.6619316900E+00	.1353595912E+01	.1081378386E+01	.2673181531E+01	.7533207097E+00	.2880092100E+01	.7201429997E+01	.2298321303E+01	79
30	.1405882559E+01	.2522046704E+01	.9613584080E+00	-.2953761919E+01	.2050309430E+01	-.8669377625E-02	.1197423588E+01	.6396635509E+00	80
31	.1376963420E+01	.1662516987E+01	.2621216378E+01	-.2823344739E-01	.1332332612E+01	.3135853601E+00	.2646991709E+01	.1550139505E+01	81
32	.1707243162E+01	.9011319171E+00	.2713309366E+01	-.3712427835E+00	.2144717892E+01	.9681794938E+00	.1388131483E+01	.1012498519E+01	82
33	.3114116825E+01	.6177052859E+00	.2465861508E+01	.1452440268E+01	.2043543294E+01	.1370282157E+01	-.2724214118E+01	.1360704118E+01	83
34	.2743192952E+01	.1705752049E+01	.4208299779E+00	.1311235299E+01	.1051262522E+01	.1771381925E+01	.3121951985E+01	.1091727859E+01	84
35	.1932410056E+01	.9799527192E+00	.2058965463E+01	.1939934225E+01	-.2718128820E+01	.2250182709E+01	-.9038386294E-01	.2426125874E+01	85
36	.1135403006E+01	.1059322553E+01	.1900856408E+01	.1070767479E+01	.1217471395E+01	.2120385601E+01	.3804342693E+00	.5759029339E+00	86
37	.1151107637E+01	.9932247851E+00	.1639988882E+01	.2441124208E+01	.8637148818E+00	.6300597101E+00	.2026951783E+01	.1260223259E+01	87
38	.5655284548E+00	.2451027446E+01	.6984649219E+00	.3097922370E+01	.4815902560E+00	.1744852025E+01	.8321557202E-01	.2567355447E+01	88
39	.1024858607E+01	.2831301216E+01	.1349736721E+01	.1165019868E+01	.7069848805E+00	.2036419312E+01	-.1340244728E+01	-.2260970850E+01	89
40	.1387156846E+01	-.2581003924E+01	.5664721675E+00	.2495531099E+01	.4931236170E+00	-.2629388591E+01	.1560630955E+01	.1991051767E+01	90
41	.1611550578E+01	.8119003553E+00	.1537636738E+01	.1002165657E+01	.2214413388E+01	-.5023226858E-01	.3055728098E+01	.7020870505E-02	91
42	.2838535685E+01	.2913223568E+00	.1810097415E+01	.1818284403E+00	.2912549802E+01	.2139811132E+01	.2125426810E+01	.4225454661E+00	92
43	-.1327396930E+00	.9996213922E+00	.1090995410E+01	.2092079719E+01	.2522842713E+01	.3886955384E+00	.8948331254E+00	.1942256167E+00	93
44	.2096003552E+01	.1482769825E+01	.2825524103E+01	.1745607552E+01	.1798791319E+01	.1337089729E+01	.1954615342E+01	.2418057000E+01	94
45	.1743694688E+01	.9566824344E+00	.2617990969E+01	.1109308208E+01	.1992061725E+01	.8781590920E+00	.1958323086E+01	.1080129932E+01	95
46	.2847902874E+01	.1584914508E+01	.3096108017E+01	.1162905030E+01	.1008309487E+01	.9247543714E+00	.2301585589E+01	.2054920325E+01	96
47	-.2901833883E+01	.1971553658E+01	.6886633231E+00	.3857911288E+00	.2060069365E+01	.1627662252E+01	.1661240001E+01	.2493766643E+01	97
48	.1931284616E+00	.1999488905E+01	-.2961534365E+00	.1404905811E+01	-.1960614202E+00	.2008608649E+01	-.2422787776E+00	.1643754083E+01	98
49	.8296657295E+00	.1193378771E+01	.1458566679E+01	-.2846985863E+01	.7452240776E+00	-.1800561542E+01	.1856184509E+01	.1977022095E+01	99
50	.9206571187E+00	.1321913326E+01	-.1726195748E+00	.2627712051E+01	.2655841598E+01	.1127481696E+01	.7425276432E+00	.2028692646E+01	00

	14401-14450	14451-14500	14501-14550	14551-14600	14601-14650	14651-14700	14701-14750	14751-14800	
01	.1822926914E+01	.2580877907E+01	.1311806377E+01	.2553017458E+01	-.3643280282E+00	.5137344731E+00	-.2312122669E+00	.2147088145E+01	51
02	.5246028800E+00	.2897243932E+01	.1078445824E+01	.1269139414E+01	.1121021352E+01	.2923782668E+01	.1293137262E+01	.2653275282E+01	52
03	.8698521923E+00	.2087114341E+01	.7209212773E+00	.1452692706E+01	.4312626632E-01	.1288690648E+01	.9176597977E+00	.2379809423E+01	53
04	-.3111594858E+01	.1059858490E+01	.1092369551E+01	.1467366646E+01	.1639625128E+01	.3090212222E+01	.1615836488E+01	.3063916830E+01	54
05	-.8933321806E+00	.1875124617E+01	.1540277421E+00	.2438347261E+01	.1970348966E+01	.2308128965E+01	.2772963701E+01	.6378237103E+00	55
06	.1549790063E+01	.2952912961E+01	.7270705103E+00	.2903636372E+01	.1662512795E+01	.2284188936E+01	.1844429385E+00	.2157169051E+01	56
07	.1103652425E+01	.4404280446E+00	-.3065023609E+01	.1014995695E+01	.2160946075E+01	.1280516670E+01	.5014976312E+00	.1054204847E+01	57
08	.1876206886E+01	.1029971408E+01	.1900398485E+01	.1733166414E+01	.6805758960E+00	-.7287760618E+00	-.2262047728E+01	-.3222073908E+00	58
09	-.3009627776E+01	.1232502650E+01	.3105700137E+01	-.5386546423E+00	.2436921536E+01	.5853973718E+00	.2897669318E+01	.1380261823E+01	59
10	.2043866911E+01	.2138440309E+01	.1616589922E+01	.2672668714E+00	.2837484229E+01	.1043237757E+01	.2583255959E+01	.2736989512E+01	60
11	.2427070807E+01	.6367496409E+00	.1983484437E+01	.2432035232E+01	.9880873663E+00	.2780997360E+01	.2072540192E+01	.6214018201E+00	61
12	.2131907392E+01	.1230517043E+01	.5032054456E+00	.1752455881E+01	.1433755826E+01	.2451771324E+01	.2072373838E+01	.2367086116E+01	62
13	.3914320999E+00	.4679740432E+00	.1486989244E+01	.1616908228E+01	.2589074791E+01	.9835675043E+00	-.1923346312E+00	.8472593897E+00	63
14	.3205097128E+00	.2854340883E+01	.1647019484E+01	.2159409144E+01	.9010616351E+00	.2428609328E+01	.7780203427E+00	.2016363998E+01	64
15	.1017390440E+01	.1561180590E+01	.9975107744E+00	.2704700008E+01	.2804668416E+00	.8210617663E+00	.1172851861E+01	.1900712459E+01	65
16	.6409108645E+00	-.2528190908E+01	.1584849035E+01	.2714043718E+01	.5874310882E+00	.3017883021E+01	.8512276058E+00	.1877154304E+01	66
17	.2780911863E+01	.2704729726E+01	.4988401752E+00	.1312570013E+01	.8888674499E+00	.2024786600E+01	-.1495305533E+01	-.2434362503E+01	67
18	.2354733035E+01	.2883426920E+00	.1811646088E+01	.8439982320E-01	.2239438390E+01	.7541446675E+00	.2751206632E+01	.8552488487E+00	68
19	.7341984025E+00	.3615912192E+00	.1874350897E+01	.4098570951E+00	.3088940576E+01	.1208125265E+01	-.2429834394E+01	-.3868608590E+00	69
20	.2085960126E+01	.4221132115E+00	.2095341325E+01	.2071837608E+01	.1275935598E+01	.1904160143E+01	.1952778543E+01	.8694198087E+00	70
21	.1721116082E+01	.1719541418E+01	.1077958861E+01	.2499502280E+01	.3067292750E+01	.2748047126E+00	.1551534883E+01	.4731489130E+00	71
22	.1587732524E+01	.2139363225E+01	-.2935233975E+01	.6638451392E+00	.2339695125E+01	.5569383607E+00	.1680502801E+01	.2863124981E+01	72
23	.3103522242E+01	.2296671689E+00	-.2893625611E+01	.5691652755E+00	.6547142696E+00	.2389859698E+01	.9716536482E+00	.1188782802E+01	73
24	.2016203967E+01	.2483239234E+01	-.8403926550E+00	.2210849888E+01	.5238394053E+00	.4034164758E+00	.2424920183E+01	.1944989464E+01	74
25	-.2236262063E+00	.3005024739E+01	-.1637549377E+00	.1836145824E+01	.1051274866E+01	.2571436997E+01	.1136634055E+01	.2142432156E+01	75
26	.1128018515E+01	.1185467031E+01	.1881379524E+01	.1695877850E+01	.1389100070E+01	-.2885390657E+01	.1607020988E+00	-.3054511255E+01	76
27	.6020155181E+00	.1495187763E+01	.1368361516E+01	.2920692438E+01	.1107107155E+01	-.3076871520E+01	.1363091416E+01	.1384285549E+01	77
28	.1979652887E+01	.2341607447E+01	.1140764419E+01	.2696996387E+01	.2557723447E+01	.7705085437E+00	.1603741070E+01	.1177629099E+01	78
29	.8122343875E+00	.1411216495E+01	.2994361187E+01	.1106931373E+01	.1635775915E+01	-.2167196295E+00	.1533194649E+01	.5904193686E+00	79
30	.1611022963E+01	.2401771116E+01	.1518537944E+01	.8417679664E+00	.5610776564E+00	.1567866914E+01	.1451110110E+01	.1939578524E+01	80
31	.2936313315E+01	.5703873773E+00	.1531815315E+01	.6864349158E-01	.1566203907E+01	.1608175291E+01	.2103240568E+01	.1587183895E+01	81
32	.2429751735E+01	.1936352995E+00	.2640898471E+01	.1017182132E+01	.2776330748E+01	.6277816642E+00	.2342749686E+01	.1208454926E+01	82
33	-.3006177524E+01	.7288555597E+00	.1445999214E+01	.1077477688E+01	.2560031415E+01	.1681463765E+01	-.2215948909E+01	.7815759357E+00	83
34	-.2598645725E+00	.1913265663E+01	.2086834253E+01	.2036230326E+01	.2973631400E+01	.2173257686E+01	.2519014528E+00	.1289323038E+01	84
35	.1010086451E+01	.1904785411E+01	.9842140690E+00	.1611329631E+01	-.3752883092E+00	.1501525549E+01	.4727233354E+00	.9952696514E+00	85
36	.1737723555E+01	.1510939426E+01	.1388700507E+01	-.2488584044E+01	.6198174236E+00	.2242386518E+01	-.1594462962E+00	.2560976830E+01	86
37	.1237672408E+01	.2638051564E+01	.1185185818E+01	.1059720926E+01	.1531921264E+01	.3619456600E+00	.2039633397E+01	.2782959946E+01	87
38	.1075840211E+01	-.2983971522E+01	.1426375163E+01	.1306881752E+01	.8050070047E+00	.2718030993E+01	.1613207738E+01	.2306599774E+01	88
39	.2042720855E+01	.1214732971E+01	.4045448324E+00	.2102507170E+01	.1486328555E+01	.2897209546E+01	.1995283342E+01	.2599509358E+01	89
40	.1035261652E+01	.1746659705E+01	.7819287029E+00	.2299923714E+01	.7479351723E+00	.1935680133E+01	.1805867445E+01	.4059164085E+00	90
41	.1294792305E+01	.3725483037E-02	.2058784711E+01	.6041352711E-01	.3023946247E+01	.8503270819E+00	.1643069255E+01	.7265801939E+00	91
42	.1457656661E+01	.5802312666E+00	.2375668538E+01	.1711147028E+01	-.3052385875E+01	-.2205229055E+00	.1381538997E+01	.8270629576E+00	92
43	.3058285253E+01	.1379393927E+01	-.2483546291E+01	.6765808143E+00	.1793874391E+01	.1244004607E+01	.1759673816E+01	.2950474646E+00	93
44	.9833826536E+00	.2231363704E+01	.1774298828E+01	.2194356317E+01	.1236461025E+01	.1001586830E+01	-.3026025016E+01	.1615173930E+01	94
45	-.2576375816E+01	.2220665273E+01	.1532025859E+01	.5321644879E+00	.1599083840E+01	.1329552074E+01	.1323131909E+01	.2184804726E+01	95
46	.1441056760E+01	.1025950961E+01	.1053567745E+00	.1370153101E+01	.1027692408E+01	.2611032131E+01	.7127631317E+00	-.2739498463E+01	96
47	.6259032665E+00	.6599912004E+00	.1685821263E+01	.1473916341E+01	.6500762940E+00	.2646420299E+01	.2026552136E+01	-.9354458668E-01	97
48	.3768103547E+00	.1830210964E+01	.2973172453E+00	.3008176314E+01	.2499108694E+01	.1738504382E+01	.1028634402E+01	.2003011407E+01	98
49	.3487271073E+00	.3017217326E+01	.9939620850E+00	.2542870784E+01	.9529975031E+00	.2166252178E+01	-.2350967066E+00	.2598746233E+01	99
50	.8527355431E+00	.2975131310E+01	.2207028973E+01	-.2945069450E+01	.8309915133E+00	.2475159667E+01	.8262323561E+00	.2210921392E+01	00

	14801-14850	14851-14900	14901-14950	14951-15000	
01	.1650704045E+01	.1873067794E+01	.2700176696E+01	-.8207295290E-01	51
02	.4420238786E+00	.2489559528E+01	-.5408006275E+00	.1824056691E+01	52
03	.1752811718E+01	.2237997755E+01	.6567501591E+00	.2396766031E+01	53
04	.3387545739E+00	.1633330230E+01	.7441151292E+00	.2121246640E+01	54
05	.1705272241E+01	.1433196985E+01	.1062047427E+01	.2519126553E+01	55
06	.6200654186E+00	.2083468798E+01	.2654328344E+01	.1788441783E+01	56
07	.1467530857E+01	.3892089318E+00	.2153534675E+01	.1227392329E+01	57
08	.2593605562E+01	.2401058021E+01	.1880254575E+01	.1715092708E+01	58
09	.2812122014E+01	.1337424803E+01	.1842750503E+01	-.5293303247E+00	59
10	.2439968786E+01	.2186568179E+00	.2279608032E+01	.4876882835E+00	60
11	.2682907535E+01	.2782410134E+00	.2369990961E+01	.1922705515E+01	61
12	-.8828524598E+00	.2165150341E+01	-.2028343459E+00	.1276268171E+01	62
13	.7992807214E+00	.2703144084E+01	.1115082018E+01	-.3005480465E+01	63
14	.1736740502E+01	.1469771512E+01	.2215901891E+01	.2512460016E+01	64
15	.1622733682E+01	.2053181247E+01	.1837471360E+01	.1036866614E+01	65
16	.1669596800E+01	-.2887904861E+01	.5143671032E+00	.2918677798E+01	66
17	.1397798792E+01	.2177309027E+01	.6219959706E+00	.8911136368E+00	67
18	.1211130706E+01	-.4850822566E+00	.1635431690E+01	.1164158818E+01	68
19	.2022365065E+01	.5030086215E+00	.1954900573E+01	.1270226656E+01	69
20	.2413728375E+01	.9169520408E+00	.2702455279E+01	.9507517697E+00	70
21	.1107638457E+01	.1781077180E+01	.2227132111E+01	.1726986359E+01	71
22	.2670314654E+01	.2408291506E+01	-.3006250427E+01	.1070443617E+01	72
23	.2137529904E+01	.1619234425E+01	.4098959840E+00	.1885143563E+01	73
24	.1768317954E+01	.1535598962E+01	.8083945980E+00	.1015864241E+01	74
25	-.3730145873E+00	.1417877329E+01	.4440315645E+00	.1336319087E+01	75
26	.4787917501E+00	.1610917362E+01	.1307007142E+01	.2570891387E+01	76
27	.9473359453E+00	.3090291474E+01	.9322849374E+00	.2621058913E+01	77
28	.2325777192E+01	.1584021393E+01	.2109326612E+01	-.2714151311E+01	78
29	.1220051058E+01	.2039132439E+01	.2032437390E+01	.9867149426E-01	79
30	.2940608839E+01	.5706465591E+00	.2636099008E+01	-.7569742458E+00	80
31	.2553803447E+01	.2135599182E+00	.1446669802E+01	.1180288511E+01	81
32	.1830836458E+01	.2091033192E+01	.8439502050E+00	.2542305234E+01	82
33	.1665090500E+01	.3678600014E+00	.1833463361E+01	.6270475821E+00	83
34	.1411697308E+01	.8708180154E+00	-.2780350555E+01	.1252256980E+01	84
35	.1047408302E+01	.2257148027E+01	.6725211167E+00	.3042221935E+01	85
36	.3463638781E+00	.2795357256E+01	.9401199599E+00	.2290949062E+01	86
37	.1071960062E+01	-.2894277197E+01	.9594979213E+00	.1174364240E+01	87
38	.2958355367E+01	.1680818121E+01	.3715716611E+00	.2535205567E+01	88
39	.8188129633E+00	.6498341730E+00	.2001088417E+01	.1367631992E+01	89
40	.1272608761E+01	.1513822960E+01	.1350648114E+01	.1190581771E+01	90
41	.1233265925E+01	.4217235682E+00	.1709880584E+01	.1823927733E+01	91
42	.1116193535E+01	.2129214422E+01	.1937719073E+01	.1355638170E+01	92
43	-.2891304312E+01	.8983025690E-01	-.2485601548E+01	.9129925462E+00	93
44	-.2441756821E+01	.2084885824E+01	.2353681838E+01	.4839237076E+00	94
45	.7879338169E+00	.2441383998E+01	.2652510951E+00	.1231476913E+01	95
46	.3554104943E+00	.4308809633E+00	.1121668975E+01	.1313397847E+01	96
47	.1281881283E+01	.1810138150E+01	-.2414030678E+00	.2600226513E+01	97
48	.3220987287E+00	.2105864556E+01	.1938222202E+01	-.3001926059E+01	98
49	.1131314856E+01	.2740526069E+01	.1833659049E+01	.1553600141E+01	99
50	.1881840232E+01	.2008164430E+01	.2540668245E+01	.2611581611E+01	00

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C O R R E C T I O N O F T A B L E 1 I N :

[1] H.J.J. te Riele, " Tables of the first 15000 zeros of the Riemann zeta function to 28 significant digits, and related quantities ", MC Report NW 67/79, Mathematical Centre, Amsterdam, June 1979.

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A check by R.P. Brent ([2]) of some of the zeros given in Table 1 of [1] revealed that the final two digits of the entries "should be regarded with suspicion".
Inspecting the subroutine for the computation of the Riemann zeta function with the Euler-Maclaurin formula, J. van de Lune discovered a programming error by which some of the numbers C(2m)=B(2m)/(2m)! (where B(2m) is the 2m-th Bernoulli number) were given the wrong sign for $57 < m < 100$.
A rerun with the corrected program showed that, roughly spoken, the first 2000 zeros were correct (within one or two units in the final place), whereas in the other 13000 zeros the final 1-3 digits were regularly incorrect.
Therefore, in the next table we give the final F I V E digits (to facilitate a visual look-up and comparison with entries in Table 1 of [1]) of all the entries in Table 1 of [1], obtained with the corrected program.
With these corrections the zeros are now believed to be correct within one or two units in the last place.
The checks made by Brent ([2]) confirm this.

R E M A R K. The results given in [3] concerning the Mertens conjecture are N O T affected by these corrections.

The corrected zeros (and the other quantities in report NW 67/79) are available on magnetic tape, and can be obtained from

H.J.J. te Riele
Mathematical Centre
Kruislaan 413
1098 SJ Amsterdam
The Netherlands

on request, but please enclose a tape with specifications.

[2] Review of [1] by R.P. Brent in Math. Comp., vol. 34, 1980, p. 1442.
[3] H.J.J. te Riele, Computations concerning the conjecture of Mertens, J. reine angew. Math., vol. 311/312, 1979, pp. 356 - 360.

H.J.J TE RIELE, "TABLES OF THE FIRST 15000 ZEROS OF THE RIEMANN ZETA FUNCTION TO 28 SIGNIFICANT DIGITS, AND RELATED QUANTITIES", MC REPORT NW 67/79, MATHEMATICAL CENTRE, AMSTERDAM, JUNE 1979

FINAL FIVE DIGITS :

#	1	51	101	151	201	251	301	351	401	451	501	551	601	651	701	751	801	851	901	951	#
01	25198	25076	66259	14714	11797	79927	13089	64562	24111	93679	12867	31300	07545	59328	86031	98977	20141	81683	56008	42738	01
02	47959	11850	89320	74450	72999	54681	54398	30540	08367	32947	76009	20931	09970	28202	79823	43972	19089	03875	12316	64699	02
03	79199	24672	79214	20304	13044	88199	58818	42659	41280	74384	95870	18001	99456	33347	78819	75274	46534	04175	33721	79745	03
04	89753	25247	64745	00870	54431	86802	11594	02270	66617	84197	25748	22873	85015	11048	45176	06020	05152	49450	84151	35774	04
05	36897	05443	65280	92638	77906	27274	47339	81464	30067	77051	67750	46504	22390	39820	35564	89156	48637	83314	08235	55155	05
06	76348	01893	09682	47276	62680	71019	72341	55726	63375	30863	40389	93375	21672	72557	53100	10908	33378	89528	10812	77702	06
07	12691	05032	21421	21222	90012	13763	67026	86331	51928	24404	10218	42792	94747	81936	28055	85892	92206	37586	32336	83749	07
08	12217	49948	97942	17539	40398	69967	97826	15438	30895	32103	60345	80851	50860	66516	82819	10275	89662	80262	10971	21669	08
09	47275	73441	41551	15831	91053	82211	32215	29471	66524	97603	19556	33300	68104	53262	27709	24199	41166	16753	42946	29532	09
10	78468	10390	90138	34080	02985	54237	42187	62174	30975	53929	64840	63888	94105	52639	94216	22046	81555	73467	96370	06370	10
11	29661	89194	64918	47629	70593	75263	39899	76456	07645	95069	41635	21882	75213	46438	03750	69657	79467	55744	90354	19794	11
12	75943	77553	83823	73261	92115	14307	51423	38157	14282	89999	44309	59243	90094	89795	85362	33532	87012	23188	09389	20555	12
13	64868	58712	30587	65510	87925	09042	32764	65869	28185	32472	42151	09993	37628	14862	90515	59992	81111	71357	80337	54812	13
14	90183	90436	28446	77846	57231	33310	79167	17254	61696	12259	75915	55429	20321	83568	71664	55330	38259	79071	91281	61926	14
15	05425	62187	12335	38251	23091	05040	95334	47060	21499	24648	86176	29036	87691	71517	66490	82282	60459	25259	35250	71578	15
16	82890	87625	15881	11881	46530	30013	59690	71335	39141	94102	46084	68594	39995	47084	91992	98900	33490	57735	58926	28152	16
17	85753	26411	73090	64598	06655	41327	22807	55818	53198	66651	12542	65867	96091	24085	40690	65201	02589	99615	93698	55553	17
18	10797	09354	01130	70949	28748	89128	47305	96743	30723	66549	53399	56446	86575	99663	63949	17282	96559	95614	29196	42390	18
19	91676	00366	89672	55557	46927	50829	34874	88398	74795	72219	03408	50553	21900	28312	20067	51745	37946	30000	97465	16758	19
20	66486	70372	35053	19533	29339	93907	70166	26909	09851	91660	64144	46413	20995	27791	65690	99835	99153	89946	42045	95629	20
21	59238	06466	94168	33931	50685	25458	69271	75385	90287	19094	70959	04479	66948	97423	97125	67233	52545	43778	51741	73914	21
22	83750	77043	42503	37586	69816	95074	60321	85386	46933	69929	03022	50464	46213	69532	23569	49817	78479	91179	11853	97250	22
23	31121	15406	07026	03620	51220	12622	71723	33628	48564	15826	14847	40915	47782	28704	08990	88697	78983	91682	19474	68503	23
24	66795	22891	73436	29282	32491	21661	93329	37123	50790	09771	76992	94108	99055	26556	99305	38560	94280	95647	60791	09655	24
25	34808	36314	82767	80190	66111	60748	70897	09416	05744	45378	61012	67135	51196	24224	95586	82983	35053	27490	42331	14623	25
26	72524	22058	98305	10860	15183	96725	43644	68090	45272	77836	47767	91967	10346	51441	38559	71213	13770	22459	75872	26891	26
27	92582	31678	72012	13112	31673	95177	62764	01338	20265	76873	25185	25517	90971	74341	67485	79115	72765	71327	39478	31024	27
28	02922	22639	38380	44496	50102	49045	61145	38976	18976	65057	75848	75013	25634	82928	49455	68252	71914	35189	15284	17471	28
29	42014	99187	76339	21021	17901	12550	05736	06331	91827	60997	67304	71673	31549	77264	94733	86667	76831	09619	35241	29476	29
30	54479	61334	76242	71452	44365	41464	58934	68650	09609	61878	47148	22157	77982	46942	16512	04835	21720	85230	48440	47637	30
31	84081	66607	41203	32981	31024	68937	72590	06164	61587	67875	20492	52392	72672	79599	24427	88891	85362	91477	81969	15356	31
32	08324	64384	80236	69013	57435	79653	18451	67428	61437	34996	94721	08430	30058	52926	11214	17687	92524	64981	34023	10782	32
33	33520	23794	30544	11631	08752	82744	42353	98967	10224	60033	82217	39644	89525	11708	85943	42197	64243	03115	35128	53986	33
34	64503	19579	66071	93965	69253	61462	20033	98079	62168	29314	84376	89827	44344	50096	96110	20218	51757	82555	00373	51425	34
35	20787	56443	64486	63627	35031	23982	24465	51922	84053	10702	49249	51294	02219	03313	20809	38588	51367	31161	04330	91111	35
36	09373	74867	08315	77142	57625	44133	27161	88813	43552	27532	42300	94052	31135	50396	17448	05954	46161	74949	07301	97319	36
37	08043	01220	96030	08197	32247	75095	51745	82664	06322	83753	95738	53291	85552	14651	51571	37923	46349	72787	06722	40728	37
38	91397	42011	70525	09659	68103	12176	09208	02573	40394	25581	41402	31026	39862	21597	05175	68513	79034	13110	26732	57225	38
39	55330	95634	81002	40597	94390	72681	90971	81598	93570	17045	51104	64556	78391	57024	73028	16030	01759	21809	24038	03862	39
40	74603	72566	14771	25224	98301	89967	35829	50959	75269	19534	01301	23751	61837	30200	18373	00740	18179	43602	39438	54109	40
41	20080	35926	87500	57555	93292	39834	53952	92133	25100	68907	74998	09616	81306	78149	87919	42162	34139	56036	37682	11183	41
42	93233	74751	28213	15842	99438	74345	81076	22797	21888	66161	58771	62904	34333	10521	14434	64352	44225	20447	48660	83299	42
43	90339	38755	00334	10594	02555	64456	27246	95533	05409	71411	95887	60675	73970	98793	30233	30933	17427	09778	54178	24231	43
44	63725	25237	62198	85147	09212	25460	39669	50864	54481	62291	85271	61656	30713	53383	33040	93829	44359	32173	36047	94178	44
45	04920	14362	26708	94203	60848	61232	96026	10407	09593	57840	82745	63424	78055	24791	77892	00119	26436	94114	57508	97504	45
46	60542	00833	59831	82281	66457	97378	43113	63201	59716	31916	52755	45412	79815	61086	78122	83977	33425	49222	74522	93039	46
47	15552	91858	89657	51842	21260	09553	67238	81357	11620	58586	32281	97377	98401	21300	61447	73970	04675	15024	01419	72037	47
48	00455	16585	60782	80529	50014	56690	38796	47996	01492	96049	54030	86639	96155	38993	73371	32976	20206	70943	55199	24964	48
49	03538	44947	54042	77113	90688	80777	25379	87574	05485	47299	99858	52339	31472	20212	32655	41119	19514	56018	89752	33052	49
50	51239	55080	91945	94545	88795	91135	83620	59389	50066	43275	24412	84187	03310	53375	64456	90398	73849	13253	90763	89038	00

#	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	#

H.J.J TE RIELE, "TABLES OF THE FIRST 15000 ZEROS OF THE RIEMANN ZETA FUNCTION TO 28 SIGNIFICANT DIGITS,
AND RELATED QUANTITIES", MC REPORT NW 67/79, MATHEMATICAL CENTRE, AMSTERDAM, JUNE 1979

F I N A L F I V E D I G I T S :

#	1001	1051	1101	1151	1201	1251	1301	1351	1401	1451	1501	1551	1601	1651	1701	1751	1801	1851	1901	1951	#
01	75251	08262	18605	36351	86317	87520	92239	34865	08827	16648	19955	40931	27018	14714	56835	20201	67462	37001	69484	45187	01
02	05803	95633	80469	70984	84089	05195	54228	63609	91917	34224	33931	24567	69492	27220	56964	10904	22043	32856	89283	10718	02
03	79440	43409	54111	12616	98068	94588	66530	22225	18593	59139	98318	56596	17606	17017	62485	62507	53316	23924	74708	17924	03
04	95143	30817	46006	98921	18964	26828	45758	00837	88009	26532	55571	19902	29189	20489	94199	52648	44884	34535	54210	90378	04
05	89818	61946	23269	36882	82320	07573	08902	15674	39617	77930	84357	24763	83340	89068	80751	08098	59289	38024	22140	63251	05
06	97025	16542	86595	62223	52186	60739	01071	07853	01815	36751	00268	42196	02927	78010	97147	65877	44565	59643	73304	22958	06
07	60842	34668	68909	81309	06885	90511	22175	96196	36819	12919	64751	21817	70651	85794	04578	89465	25858	23345	71999	86191	07
08	60941	72311	67620	40763	06851	06829	89232	33072	01187	17571	62623	38586	14732	32966	49325	80940	09423	79356	67436	30205	08
09	97583	27222	02936	48510	96041	07073	17139	76644	68145	26896	36489	31851	10065	99433	87635	90969	23442	94233	96523	59684	09
10	62577	27730	44802	35982	68981	19201	35301	58674	11891	11102	77357	44534	34095	75075	45859	23662	86396	65685	32765	33721	10
11	55860	34260	00415	04286	95924	61582	56170	84055	18166	47716	36552	09247	73086	73305	46342	01923	05359	32224	74269	80741	11
12	37540	17512	32259	33011	23361	16257	79519	73016	88438	14474	29090	96104	68874	42661	70027	51229	44383	71268	88705	57250	12
13	68736	22234	27952	11036	48099	21483	76950	09013	07111	02316	06731	95001	14756	11315	04014	93747	24186	08689	49002	77887	13
14	52916	47293	57097	00896	61084	76899	05672	57718	68482	92795	23362	76990	88705	74192	69525	82733	96322	71236	63717	94629	14
15	63350	54171	25301	16902	74558	58469	85496	53810	62475	72720	14753	19762	84010	55025	34793	33655	96802	59904	67778	87724	15
16	52470	62413	55030	70787	61352	85835	57874	61053	49851	06733	62111	05252	05391	21563	32853	46254	20470	00340	17595	26966	16
17	78814	57608	06100	67726	86878	00923	09315	27263	96401	51285	43297	28447	75691	96080	10022	37249	32358	73566	14256	66435	17
18	74819	67135	02050	01858	89856	68447	98025	61628	13629	12954	94337	23418	87949	68448	66788	88112	37527	90909	36258	13493	18
19	39031	62875	44615	22695	17801	53180	66505	15384	51101	79881	98126	60211	37985	06010	25950	05890	62435	83159	52455	59873	19
20	79324	66465	32151	37426	63957	97420	52014	12808	00171	13566	87683	74552	65509	49101	16627	41318	41882	09100	81890	63546	20
21	66105	67132	85835	01372	36666	78010	79716	99645	10841	29822	55820	73580	59148	02306	49846	92338	95675	87966	47946	97041	21
22	66757	53132	59289	29126	58264	49392	50458	27497	89496	29693	23273	04380	67930	85579	07411	12195	12077	94980	83892	42556	22
23	56237	98561	41141	99130	74040	67863	25829	82227	89023	84883	43467	62559	77942	41364	96260	02637	80065	55364	88018	13905	23
24	15935	54104	36055	21461	37424	75164	56603	26715	51382	19949	40904	19402	19933	57241	26355	07517	79525	44109	91426	38396	24
25	84403	32482	18371	60875	55749	28664	43094	61057	16064	20725	73576	31866	53861	02975	20884	53548	77318	67027	79191	56224	25
26	71218	37526	89900	84701	23631	03100	63511	68813	51645	12212	28979	83800	97060	52729	29884	60418	12387	09682	95504	55769	26
27	06757	00182	25976	51908	93431	78091	19493	35946	19414	37137	43163	54938	51929	28846	04852	32197	65115	13461	36040	02824	27
28	46395	59293	95790	34466	34994	63695	47779	89404	68056	35602	64117	83243	67707	16666	87446	19213	64250	60436	25719	23527	28
29	08748	11462	69722	54663	67356	84859	46278	15373	53913	64894	58319	31629	91509	04786	33413	24873	86591	97577	89462	00753	29
30	29637	60007	60956	40750	27167	83611	63232	90834	79185	70427	98871	94203	17357	82620	73386	61529	37750	35108	67016	87472	30
31	61728	98436	53702	94360	68298	97202	50742	79442	46630	48125	92180	75898	35280	24535	92317	35959	16371	35880	36651	74726	31
32	47067	56080	35902	55585	28552	93998	14256	14371	03923	00189	84100	10773	65557	94338	73964	96739	95874	22441	73713	15332	32
33	52854	39273	85188	84660	81581	65647	91075	02511	37142	80395	92644	08975	41182	30872	26591	45911	81503	33194	28583	61232	33
34	53185	31080	12937	40036	76938	85593	22764	37861	53468	35794	84640	73070	53950	39888	66920	10393	05939	01787	33060	95503	34
35	17490	36476	73695	59171	40353	07841	64614	19345	55996	84244	94157	15893	79723	35448	00454	73851	44818	49716	30759	92105	35
36	38184	93351	01319	53044	62112	16004	18227	70717	95009	94318	01543	22440	44594	88327	42723	20469	83809	37338	80385	72838	36
37	50514	30232	27489	84534	19394	88893	76646	83731	21554	60767	79584	03400	38795	69764	06978	67255	99380	63596	98776	69530	37
38	50980	41308	40762	24222	93410	97564	35964	31746	39880	10623	69869	02059	14803	23557	52827	13508	05720	76253	28433	32869	38
39	61457	27839	02441	78526	87161	51427	42923	85044	69458	54755	71680	46205	80820	92938	70441	91665	33842	56593	49097	64435	39
40	57571	94551	70564	88903	52900	65473	10251	46767	15842	85229	78693	12185	85004	75431	10614	50865	78932	64452	25446	52429	40
41	23293	41601	00672	15804	31464	69714	10975	28350	15039	15006	71901	27006	55068	30948	72957	57198	79212	86699	71632	11259	41
42	26983	50719	69251	96943	88078	18310	48890	46901	15354	54919	09175	34181	20033	59964	89056	94906	28225	65480	73307	09727	42
43	91096	43072	84338	75523	72200	65567	07883	63125	21343	31042	36868	13479	96960	06738	63651	32470	43858	15758	35401	12016	43
44	23743	20535	71719	30071	94604	20087	46767	31281	69529	04640	89668	37923	72927	60771	59323	34466	49326	40532	11920	67667	44
45	68524	87139	99306	45307	72352	52210	15042	78291	93616	27660	68493	64966	12679	62891	85047	84680	25318	13901	05627	29430	45
46	23154	97030	94812	27043	88383	23627	82649	29457	89010	76684	54253	91126	89735	18387	99591	23140	02915	63640	13617	76055	46
47	87356	66751	31122	04371	39289	60771	46574	09379	29686	96632	98595	97952	05167	17761	78595	43067	70338	45523	50413	11004	47
48	27053	72873	30932	86625	53919	52682	17196	70849	10024	38651	69571	50095	74843	70063	59245	66041	17990	89371	69028	73076	48
49	70031	82980	06426	20654	24115	62858	05560	08991	83363	30119	74179	18399	86997	44518	92584	69907	16881	44621	11795	45132	49
50	04712	91168	06265	82657	43751	07830	77667	19776	63285	44381	93505	04198	92351	45551	83645	12821	79316	59688	14857	89887	00
#	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	#

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FINAL FIVE DIGITS:

#	2001	2051	2101	2151	2201	2251	2301	2351	2401	2451	2501	2551	2601	2651	2701	2751	2801	2851	2901	2951	#
01	70370	00053	29567	06294	16827	70070	13301	31039	34093	47551	94160	06395	02615	53078	60961	76274	45379	19202	08572	35755	01
02	37120	69834	41472	55637	34991	07987	37703	76554	61395	33544	53204	38521	82923	18559	45155	15065	22314	20829	82146	43418	02
03	84123	23991	66131	39660	27379	20749	91827	54005	10628	29745	48515	64192	10237	63831	14549	94062	14072	59527	86250	97386	03
04	71944	71579	73969	83399	73114	83365	88544	71327	11832	51185	94553	89520	68153	80494	77901	22312	43486	55333	34009	16687	04
05	80942	16424	46140	93738	59196	06904	92760	79837	93598	17565	75600	81690	08391	02755	68481	79189	05353	02736	81874	85032	05
06	39720	75895	30090	64504	87856	25086	15963	64470	99043	60620	19422	93380	45452	38216	10188	98245	75153	25683	27019	96950	06
07	66306	27444	26211	30893	69248	05153	16646	96200	96431	86351	02974	20563	78252	17009	10950	10563	27989	55704	32343	84843	07
08	75031	29204	57173	96314	42606	62311	11199	63240	29792	87884	87660	64593	54062	37326	14309	49141	18108	90595	65703	74369	08
09	48734	70271	08286	22903	56748	56322	26939	31237	05812	88330	98686	21636	80000	47534	49201	58719	11673	32735	96795	08679	09
10	12661	25700	11620	31331	22302	52613	70970	12549	23936	76800	83940	68758	00525	36026	94888	81933	99941	79691	19473	76508	10
11	17676	07895	43956	59136	30545	35524	10825	35374	38177	36701	39605	47200	16547	17053	54105	67400	63502	56202	50643	19272	11
12	71616	91434	74745	05056	15978	55778	87839	18026	14524	02966	87875	14456	10842	32399	51977	91570	15986	42834	66175	83335	12
13	41981	54374	46817	84472	76898	47503	51347	90194	71323	63382	33886	49002	62857	03579	59088	51754	55193	08387	56807	84399	13
14	03479	43763	81109	79365	14531	81183	07251	47604	54474	51784	61542	97313	65396	23396	07805	56467	02579	05594	06296	18698	14
15	30383	13344	82084	62548	11376	02138	68666	10865	63452	19294	28205	50635	13271	52075	88300	89584	28645	49942	91988	89942	15
16	16525	73230	80780	62525	13120	99140	43642	64073	72338	77328	36639	24043	78929	47514	91988	54949	59441	62739	90335	50562	16
17	74917	53402	61023	35064	37971	26566	03582	32484	00454	92965	06796	56306	52232	49752	26803	24348	95445	85975	63566	71038	17
18	34036	85677	26926	33641	41322	73253	18263	61495	68753	27858	60462	02611	92393	26580	45304	50420	57510	11940	83453	15913	18
19	14651	41195	58984	08775	26593	89975	51986	12779	92341	43042	04150	69452	61491	16468	72289	18570	30562	40294	59996	49526	19
20	82575	82030	32474	50014	57452	02576	92376	46270	04502	23000	88619	54427	62160	79177	16620	15832	55310	24160	32811	80164	20
21	73523	79424	39736	21723	07434	13224	27106	88229	20401	55291	55198	09120	18144	73804	76732	72101	55269	09020	00700	13420	21
22	73495	62326	06485	37148	46787	09287	01458	57401	78494	12824	65025	86230	17283	03633	22301	21058	58978	43581	08484	13281	22
23	33180	91696	99471	52250	17452	74381	99782	20686	70073	47479	62533	06707	47132	60164	54481	66496	12453	36887	98551	91832	23
24	20449	21510	77414	68189	42654	58646	25103	01319	06834	90473	16771	58281	06792	70972	77863	46652	55868	13611	67998	54549	24
25	71775	51701	69863	24768	81908	59632	81104	99548	10347	43546	45165	56872	86185	43205	79951	02280	65871	97343	92670	50566	25
26	21858	76282	42026	01270	91077	48017	45550	57306	25442	91120	36423	03789	93187	65080	28210	80813	76326	65437	59165	51445	26
27	59436	44252	49305	65996	95411	38740	39233	12213	36663	17087	16317	49804	23217	63304	53000	59881	01416	29990	74148	11416	27
28	92296	71360	14559	04336	37533	84809	19370	79478	81227	38082	90922	17504	47773	43256	44471	83342	45131	14843	40313	87478	28
29	35030	03263	12775	36448	29418	35133	67376	10515	27539	09422	00292	06778	17114	42560	18044	07778	64602	49775	65777	15491	29
30	76064	32305	32342	40406	78877	13961	29847	48111	62862	49303	64243	10157	99457	39201	59918	19199	70509	63778	79764	39391	30
31	31262	26536	19064	36837	59903	06202	03499	89236	30081	60735	63146	91025	80284	21991	84563	70289	46786	26583	08319	30257	31
32	06085	12932	87297	47768	95757	66814	06295	49566	13067	33986	14064	57518	19754	87854	39980	65502	52148	54546	50979	99138	32
33	57241	44296	80058	59912	50200	88281	70804	18263	59243	10405	57739	65755	64305	42517	88011	56362	41417	43057	24102	94707	33
34	69523	96145	59587	60131	21110	01939	49958	76955	66099	34368	60168	03127	32063	44025	92235	54648	76989	95293	71904	75370	34
35	85813	65492	88270	41155	64705	34011	56425	46606	50443	68702	77378	58704	08833	98530	46961	98036	78049	72126	22387	94914	35
36	73213	57049	57417	38081	79761	83952	11329	06838	37048	45965	44926	56514	08658	66807	80398	04235	53948	89286	37367	72604	36
37	95970	94668	47121	68408	82602	91160	32214	79409	96951	71550	41552	53526	58732	49861	93112	04428	82357	00225	89958	34749	37
38	82298	56797	60129	25152	21356	93797	65540	94155	77765	22221	51181	49189	81808	25596	47527	01843	94689	23402	05142	87515	38
39	52192	07177	20013	66003	79558	62832	07218	58910	31991	52027	88847	62934	37528	48451	77593	70063	16204	70008	14820	56471	39
40	41813	83351	55888	45940	00612	37421	94345	87017	37640	61794	43875	61650	85967	14217	97925	44576	89712	87464	45463	20647	40
41	13445	92411	07680	28430	23601	11247	57373	87457	82425	66189	21753	79999	37562	35965	21070	14586	29057	86740	84911	62181	41
42	14392	39908	89626	13648	42890	19579	61413	28265	61373	46009	99473	17729	51327	45070	36235	48719	58696	02159	80411	35002	42
43	42897	90527	79640	15140	82274	06466	88767	44009	60890	71727	24797	08279	72024	09116	13921	10695	19395	30473	51088	49765	43
44	24129	88874	04598	13327	22623	41119	89750	34292	93419	37385	39159	34096	47713	32626	36624	29644	73692	77623	25937	42701	44
45	32071	83703	56713	13509	30793	33639	93862	56152	90807	26667	82749	37051	66287	06819	71342	23225	16298	65411	20609	46422	45
46	94011	78387	32112	70511	73549	03663	31941	42278	34351	90560	36022	90894	04015	12660	47305	93980	32610	25170	99288	74076	46
47	49767	50920	04049	95132	40743	87211	76055	23716	40399	23176	39567	29155	19250	52319	98866	58172	94179	59812	31592	15399	47
48	12047	78711	49689	67497	19769	18727	39322	21407	77960	92553	06096	76497	88471	64829	50268	83701	91489	28268	11682	39084	48
49	49598	70112	22460	46490	89187	77839	66508	74271	51717	19149	89885	74246	61624	41899	35772	09291	49473	97926	01339	57702	49
50	93102	68295	54932	51023	88153	83215	39675	48027	34671	39627	55403	17518	54946	64036	66407	27968	22888	95021	40050	66614	00

#	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	#

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FINAL FIVE DIGITS:

#	3001	3051	3101	3151	3201	3251	3301	3351	3401	3451	3501	3551	3601	3651	3701	3751	3801	3851	3901	3951	#
01	89696	36000	40502	61543	25278	65218	12290	42067	47638	86075	25842	08536	10235	10456	14353	67366	61336	53128	55739	55440	51
02	41558	56649	47410	98026	45716	34702	73729	40107	26165	14537	35762	45838	73562	57239	13961	33987	55142	27774	35886	52742	52
03	66609	73040	07354	52722	10403	86773	97311	72533	51731	94264	28131	99577	67311	34225	72096	09743	77174	73288	58875	77335	53
04	97868	47497	90863	99983	75274	90666	71682	14097	74489	50530	80677	73628	04036	06590	80232	78932	38401	40690	41930	72473	54
05	09386	56683	49881	08038	30642	66132	67108	99163	93812	73642	86399	67430	34648	32323	31071	06667	69118	54890	68881	65652	55
06	83233	01480	14211	80573	33758	83961	03944	41959	21723	91954	64068	23344	56532	34958	50574	50123	46964	31489	80109	51798	56
07	61873	21181	45676	71414	76246	37840	75565	29622	20325	85029	07379	30002	28482	43456	12616	58359	92753	43944	94262	13188	57
08	41328	70524	00416	27249	51304	51531	00506	57307	01802	35129	77188	23282	12183	08230	54503	47563	42733	89390	93650	57320	58
09	41743	23016	86539	44235	01622	16625	25478	86973	67982	43763	55746	66414	41679	37732	95832	53569	75643	32965	02613	29311	59
10	42890	66389	48347	51358	91436	79921	04403	01049	92446	92310	37154	55471	70852	77579	17918	44447	16191	59621	83326	64564	60
11	74622	71431	69322	60242	99562	29118	46436	50586	37896	27151	28873	30908	87407	57306	87956	73426	50675	51157	63224	38305	61
12	41112	23873	24855	39002	54478	29283	96091	85762	50010	45141	91273	10699	36661	42983	75335	77199	75873	21324	95938	10977	62
13	79032	10454	73091	07483	99845	61781	20779	36748	86982	90575	60518	18997	15415	03368	48548	56486	57779	82405	22566	45768	63
14	79562	21220	19568	48935	14623	33837	21922	84635	73393	15641	95280	96809	98074	51056	79400	63217	98883	63106	57996	32192	64
15	32623	40212	69580	07562	24475	11933	14874	67113	56843	63427	66485	06461	22626	35582	40500	95603	54230	59145	81152	12620	65
16	42336	21447	20151	51089	43175	56257	92378	57743	68018	93509	19720	88264	66505	72049	80809	57075	59968	60628	35484	08574	66
17	18087	40976	71361	47915	81046	60675	94571	88047	79954	20043	27035	52578	36557	67573	73832	34094	39037	88842	75657	19007	67
18	17279	93655	04039	30830	45836	06925	36266	70246	01488	00589	37923	62673	91001	89006	23514	02359	58606	87637	63554	69655	68
19	03897	38542	81326	98056	02890	49476	53066	49732	57893	69715	68988	48945	90160	72593	61393	26836	24159	70161	84542	36907	69
20	59716	39503	05444	64141	29197	51080	02313	08266	05686	68442	00756	53037	79778	36597	66334	41257	68954	95265	95062	41389	70
21	43230	63169	99845	41196	05789	30600	45608	69574	86753	63792	77434	50626	64365	93557	49250	64592	46729	89180	52181	69077	71
22	46124	90655	33144	25991	86964	92589	35874	06346	39063	27929	51818	14433	71654	85563	37183	41002	87711	10030	96683	58117	72
23	87723	48151	77762	13147	93611	81247	34119	22358	43387	03328	95115	34702	97501	70852	17412	22470	79634	97003	53147	49394	73
24	13105	64498	85649	76792	71848	91215	29212	27289	25161	07127	61580	43656	52414	45139	09165	43500	44260	20366	16425	69978	74
25	43864	91176	81947	35622	56492	41545	29396	83055	52417	17463	00103	75301	60526	52972	22572	45983	07403	13573	22995	15308	75
26	35493	22603	04557	17485	98471	88122	87254	37932	27329	14861	09858	95868	89983	50477	23109	70992	40616	21967	82342	75421	76
27	06538	47831	74336	92501	08468	09561	56154	68439	20718	21973	29892	47797	98060	62661	86496	63865	83068	11266	05565	87786	77
28	18121	65584	82502	10331	39261	99323	59795	21450	20562	36045	79865	70285	67592	35756	42573	52920	36400	11662	16759	39544	78
29	57932	39729	86605	12232	50275	33854	47728	97969	86332	03771	93152	51506	81034	07170	52367	27927	98353	92171	87856	59812	79
30	66461	23504	18615	18033	82981	91327	86683	68161	25682	40479	15311	17590	59179	29621	71081	37377	29112	93797	26660	12743	80
31	45387	34755	82827	69627	29370	00629	95578	50920	00693	25650	70358	73862	80301	10216	11457	84773	33265	26375	62514	97897	81
32	61922	64912	89715	28835	86039	18229	49858	38148	74524	15291	05040	69612	98550	66958	32440	82729	25132	62402	51430	70693	82
33	52453	92489	96833	01656	92197	44566	84587	19922	53637	51581	11161	07240	74477	64848	88029	75584	93990	22608	69597	64979	83
34	68180	58946	38584	11476	79505	17614	07443	20010	36309	86965	12352	42628	82716	19058	52891	77047	38494	23557	35579	55463	84
35	16259	77558	39426	98272	52206	61457	22302	60737	66167	06485	19113	34488	08389	56442	19121	99049	08850	62464	06521	73785	85
36	37549	95027	64229	58342	59749	13360	39098	44765	71352	89338	38648	99304	87593	88588	62649	16269	89984	56607	51105	25443	86
37	57422	29633	47014	50220	03589	68140	90855	74559	83596	65653	55263	37677	42026	26003	16143	42022	36668	85352	26725	68349	87
38	33019	83209	87457	34840	85347	90409	09693	94173	47540	24483	38019	27797	85131	01882	57924	54043	61224	04719	70457	64863	88
39	82471	01882	29982	17555	59303	07881	81066	57116	69590	84934	33005	97206	65435	83099	40379	36267	84206	96366	24026	14256	89
40	86504	53807	24340	35130	31313	06040	20584	68463	61311	28690	07445	40177	54629	71458	17048	30726	29849	53190	16295	32021	90
41	83584	37244	85410	56955	88542	10362	89368	62768	74862	50594	14273	99397	72762	40911	48000	77891	86039	84446	25594	67121	91
42	75067	03922	50228	15682	19134	33459	86383	05366	38437	95717	67524	32302	58436	53391	28192	70773	09293	77420	33678	15814	92
43	24583	42574	75616	68458	26041	67424	89082	66853	40292	28901	77229	46942	88477	44508	81916	24912	24193	42951	40103	12929	93
44	70186	85902	32986	60392	46248	62492	61543	08261	49368	74790	09723	10921	15453	28258	28615	34692	24855	83120	23339	85635	94
45	48298	15615	22144	33451	12303	07517	33325	51012	04990	45312	71258	14970	04462	77745	12537	73778	88396	59049	76518	62002	95
46	26238	35835	77875	74446	18788	14281	07423	51734	46603	80396	98151	21802	13060	40125	79628	77127	73105	73192	13896	98261	96
47	90363	07423	98550	55387	16554	36281	36708	76646	83825	05481	99224	98871	41590	38783	30624	70427	88444	54073	65012	23599	97
48	24439	39843	57471	18533	55628	03136	59707	85494	66826	76682	75438	86408	42796	06981	14987	90007	11110	45266	86204	98531	98
49	07203	39935	56797	46499	74919	05755	07301	53926	63648	44727	18509	92824	53315	99143	74468	14577	07960	45046	28863	95568	99
50	19966	02150	67910	95821	94914	26164	15262	89480	05459	84887	89757	62997	62579	52652	20122	98848	74804	04044	67729	99878	00

#	3950	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950	4000	#

CORRECTIONS TO TABLE 1 IN:

H.J.J TE RIELE, "TABLES OF THE FIRST 15000 ZEROS OF THE RIEMANN ZETA FUNCTION TO 28 SIGNIFICANT DIGITS, AND RELATED QUANTITIES", MC REPORT NW 67/79, MATHEMATICAL CENTRE, AMSTERDAM, JUNE 1979

FINAL FIVE DIGITS:

#	4001	4051	4101	4151	4201	4251	4301	4351	4401	4451	4501	4551	4601	4651	4701	4751	4801	4851	4901	4951	#
01	53950	14536	90085	62321	58941	41977	29470	25895	95322	61001	95779	46774	29062	91148	81913	04065	07838	13735	11792	79162	51
02	35370	01292	80604	12042	16668	72842	96718	24949	55151	26765	62482	91136	55580	86754	42688	15434	40032	79816	55074	90321	52
03	90942	52987	41563	91773	96056	71889	02935	21083	47461	64023	58655	17366	73841	29149	43126	44033	12351	63267	39420	76371	53
04	22933	95886	63476	53136	37668	23839	88915	54863	97747	24101	26153	58328	88799	99049	64228	75152	16991	09820	24180	48208	54
05	98916	61985	29278	69472	44029	38215	58912	91456	25445	88681	61351	48119	22600	86730	68012	41978	04157	79212	96437	55063	55
06	66609	76778	88586	56144	75856	25822	04620	27163	12712	06745	85854	50053	59004	00208	06422	64770	47333	17768	75313	11870	56
07	29834	94955	38794	38850	12344	45648	85357	21768	39844	06044	37709	50443	50660	71283	57081	64495	55439	15376	33477	48867	57
08	93988	50277	32941	54471	35951	93204	64067	33754	79062	10477	39737	91810	71665	23857	76240	69151	74027	50583	73055	94928	58
09	60489	89166	95071	42460	44317	42228	97363	88669	60054	93080	44034	57713	22378	83756	30452	49541	41980	35962	78047	94639	59
10	75402	90500	10965	82953	11264	13755	95949	87084	75137	77609	02911	43140	23694	38461	16530	11417	26743	66908	11066	84213	60
11	64806	15916	78529	32875	04157	95410	09456	89936	51246	85772	13806	77017	35345	17213	93219	82499	55319	79629	17027	59271	61
12	70823	53339	62987	14802	07325	18006	85162	85031	42360	07170	56555	64843	41574	56197	37382	71224	30390	15580	66515	74154	62
13	24518	25522	02973	08093	77339	75311	36079	91837	54530	13008	27021	54987	50919	32503	17463	61652	08140	49995	68383	34321	63
14	39890	85160	09298	23483	44278	04569	49150	13350	36119	88685	73460	94462	20202	88132	47413	15703	03841	23961	55200	09940	64
15	84039	84946	11444	70562	58371	27755	09705	36364	71759	84547	03154	72329	40454	44756	62502	51869	91748	65377	45566	08873	65
16	90834	75273	86031	04773	89944	47737	84353	50972	06804	39953	75330	06472	05821	25228	22233	36248	13616	01469	89616	55599	66
17	96467	80872	98932	60134	97426	45719	61224	93756	41808	54542	63078	52436	20201	62642	09945	57597	14428	88620	78915	95892	67
18	58402	19248	83873	77796	08071	37107	14881	43565	77410	71956	28965	13810	09293	72105	78750	44575	58815	46904	98138	69888	68
19	18601	57443	38705	11446	27573	62400	87377	05222	17541	37000	14314	72144	79402	69770	96056	51041	78415	12018	70476	05039	69
20	33145	88041	42257	36858	48513	15991	16785	69944	46784	17677	07058	71410	46236	28672	16721	37758	84765	13809	93029	16875	70
21	92686	91965	87417	28337	53512	77817	89218	96165	37537	27955	52528	03129	50900	22392	15875	16735	20558	66259	36597	29100	71
22	52023	12898	68324	63627	73410	82894	58906	95262	23865	71358	76355	10732	62876	47363	15688	09727	05734	36217	59950	60419	72
23	25840	74433	67703	64208	59056	68866	53516	67635	40952	37378	72877	30026	04940	37122	49138	53087	63779	05653	28596	97378	73
24	76946	59317	16695	92905	84914	52202	41540	15904	98665	29931	92735	25399	13406	27257	46591	73637	54330	96515	52526	73839	74
25	69541	59527	24328	13629	59305	38041	65250	23790	41862	08347	87637	08536	25224	94644	90879	54401	66175	69070	69858	30265	75
26	73819	51461	91210	06188	68460	42639	35293	99607	24754	46291	21110	88254	40765	57476	52337	51523	60627	53492	75167	55861	76
27	25049	92734	14438	88121	90779	27394	44084	68807	07354	84505	85161	71029	75696	97660	98916	16553	63379	74650	45433	62729	77
28	58025	85831	44899	76937	74595	61232	66027	49617	93217	43604	23407	44829	54597	03236	13674	67272	07789	29027	41255	44872	78
29	04626	45443	76302	15375	19912	17817	88869	71512	79594	64210	40866	80535	54106	59226	07264	31043	48792	42716	93125	02614	79
30	45061	07570	50672	67160	26812	89992	30065	11283	80487	12555	82150	09958	63942	14166	84237	45132	84631	15862	60106	69167	80
31	79599	11736	86467	93841	53690	62008	00320	02394	73390	45639	59126	28919	79292	03972	48449	03620	16356	72518	40989	51767	81
32	65652	02353	77826	00063	16174	45639	91428	95338	61867	47959	85688	89144	33824	62775	21507	24118	25329	37360	82385	62350	82
33	62839	20992	55012	95982	85392	65741	08637	01352	20075	56788	04665	11085	48271	73655	42044	31983	94493	63126	08007	31643	83
34	41130	08166	60431	01620	58334	14517	06721	93067	91484	14788	91290	58469	57237	10271	68029	20542	32197	50586	20670	02431	84
35	72039	01387	98240	94549	12273	52715	71647	27094	61746	05631	85926	48120	93645	51600	07909	28117	88316	54055	00357	76436	85
36	00244	38294	97509	42689	58330	88397	82318	13619	78910	16998	54145	55813	55716	06047	79395	49527	67592	36437	65671	88763	86
37	32727	30699	67108	81547	94169	49347	86527	57855	03763	55541	21244	05292	60884	93037	13911	84477	23013	58570	43929	31181	87
38	83954	27528	27350	13024	77461	73496	69082	16953	11973	54161	50695	33004	74180	95512	83929	73493	15246	47514	18324	33228	88
39	31009	58607	39341	85418	03874	39326	41928	41911	59465	06349	18091	94530	08856	20685	36379	06121	14013	88530	98556	16879	89
40	21492	67896	57286	18096	49829	26707	96819	04245	12988	93565	81069	05883	15871	92298	33558	11939	15680	27890	25047	97096	90
41	98093	14325	63027	93717	95223	51167	42571	41079	55827	04159	98385	94286	49630	05998	54036	77954	17535	19474	25652	32256	91
42	60540	59656	17574	01965	80542	60152	32094	37748	72503	80868	12206	90131	74876	22463	57425	53736	95856	59385	84607	14393	92
43	38546	70186	86123	85449	98641	59416	04384	22346	40245	83034	67690	38654	48072	82290	92077	98801	44959	56884	49349	78540	93
44	44781	95222	90330	98350	12886	19579	59480	00843	98486	90994	68651	69847	94316	25810	70472	12154	64912	32667	00581	45297	94
45	50795	42952	52946	91460	34614	63239	65115	82325	79191	41762	89849	66542	22552	38125	41223	94245	68203	93693	26384	87145	95
46	49118	51078	62293	41304	05443	49058	48575	60806	74184	43204	36734	59610	33963	95998	71816	33934	74455	00747	40368	99799	96
47	43764	67348	50450	28023	42099	85034	75576	51451	93625	43641	87343	34535	77000	82602	45336	41363	59394	98012	06816	06724	97
48	45136	36303	44152	92727	68443	25735	12132	47021	44983	18049	08730	16517	56572	52073	77208	46743	34806	59324	08877	86355	98
49	58922	12431	67887	11598	91538	53877	02628	93318	85809	68179	74038	58887	01023	54873	90518	03388	95481	45553	95012	78654	99
50	35231	47467	58372	99782	73720	59686	05647	20243	31600	08777	07422	03318	88172	48649	22166	17185	77485	48054	65268	58674	00

#	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950	5000	#

H.J.J TE RIELE, "TABLES OF THE FIRST 15000 ZEROS OF THE RIEMANN ZETA FUNCTION TO 28 SIGNIFICANT DIGITS, AND RELATED QUANTITIES", MC REPORT NW 67/79, MATHEMATICAL CENTRE, AMSTERDAM, JUNE 1979

FINAL FIVE DIGITS:

#	5001	5051	5101	5151	5201	5251	5301	5351	5401	5451	5501	5551	5601	5651	5701	5751	5801	5851	5901	5951	#
01	19571	39743	53661	68698	92513	65538	57863	89935	83295	60390	56455	50582	66412	11910	03227	22662	60918	08277	30815	65973	51
02	59856	24888	74506	34772	50752	74069	46094	01901	77735	59091	03031	00530	21737	48024	02835	90374	22608	29185	23624	75343	52
03	03356	06980	46086	39523	64928	34460	79111	44218	73877	14188	16341	74148	17742	45174	21685	15031	92741	25673	29940	00246	53
04	43001	22996	11401	46321	71796	47742	50850	54477	96822	85005	49806	22104	92205	30866	68556	23948	93010	00881	12820	93833	54
05	09488	11729	81841	58383	01596	16475	14479	68881	73407	41490	97612	56007	53947	65596	67509	31984	46128	42350	96322	26599	55
06	06912	18795	08045	46442	47461	93670	11754	42358	12508	21302	38430	34149	42387	90329	64222	07415	16866	60282	24309	11497	56
07	71159	74570	60026	54488	77251	11576	80473	97680	86163	26936	57098	86648	91926	76467	84562	69206	01756	20980	54007	02449	57
08	79922	32136	93621	93619	79110	28236	23726	49237	10954	03566	11148	67998	99004	37531	85983	30371	55905	00373	03584	59741	58
09	72046	19320	83019	98414	92918	17042	00907	28097	11034	26786	20572	32847	50151	85887	04022	89114	67275	49287	11297	85503	59
10	60715	26051	74012	52870	82444	57130	94698	67957	61066	74029	17082	05795	43939	45775	90633	52410	77873	50167	43354	62991	60
11	23226	40523	76590	77171	86202	40763	72184	06338	75050	02429	77317	79478	63435	67032	79542	64801	25379	36210	19539	95048	61
12	39505	80110	31429	52451	12952	10067	78215	60936	62053	63661	47541	64585	79574	50115	38130	10420	04571	40757	86902	61163	62
13	15772	10608	39147	26932	53599	00831	76435	19162	98330	74833	55149	57908	37149	99770	58513	50307	59339	79109	62094	34999	63
14	94353	92250	05347	46550	25027	06651	52034	19928	32445	90145	57450	18744	27943	58415	18852	00587	11855	37335	17572	54193	64
15	30053	85304	56770	15567	90168	95227	75456	71454	38323	35266	61490	21390	78110	20746	40995	56561	27549	96740	88429	88024	65
16	31803	01463	10976	09214	76921	74231	41834	13727	38561	70334	18757	41571	25602	42775	54095	94556	89891	35388	46715	36454	66
17	22540	56106	64100	11612	66686	70484	23985	09707	35892	44535	07027	68131	02356	25019	12792	46750	68209	50834	10260	16390	67
18	18045	06872	87780	53806	33286	57198	31154	11959	34394	23325	02894	63861	39102	96037	08994	00636	63218	59477	14342	11382	68
19	44918	31924	06074	05190	72001	55517	53776	82904	17356	72594	70109	15680	57226	47009	32242	87659	02139	52537	42995	13378	69
20	90770	50007	32889	99049	27420	86516	86879	71391	06555	66610	44690	67474	55630	25001	85787	13878	27124	06526	72000	79838	70
21	75648	79737	36643	12627	27019	41308	16318	67404	32122	63571	45612	00531	19876	11852	33225	98442	58456	12104	08970	85292	71
22	49178	31433	98956	18359	90981	53987	15487	28320	45387	80208	68319	86105	08459	37001	23325	41411	58333	40412	51836	57777	72
23	64987	24852	58771	94726	96228	02669	52898	66804	19019	21211	73102	53137	40903	08897	81799	65406	94253	99107	34613	91158	73
24	47701	62438	67327	93419	97100	75975	37329	33182	85359	62864	94895	05380	13043	61440	13128	08233	50041	22664	91781	26200	74
25	46843	35169	79519	52313	30731	16723	48612	45323	08656	89306	60876	64652	84861	75241	41019	74650	79814	56461	83012	84662	75
26	39573	34676	49227	21258	94943	98248	36824	36757	26856	38999	17619	51636	30998	92740	40360	54423	69685	19914	14210	65378	76
27	30184	33665	82399	52104	72148	59942	70723	22495	84459	70996	98838	64771	60603	58908	50817	00334	61348	74637	94594	47160	77
28	10995	57903	58981	05615	65397	99535	97435	92560	70348	67444	04392	47514	23246	92904	12009	16464	90394	58422	02953	32198	78
29	69322	42257	27710	18801	11662	27682	71113	02025	35162	42153	34250	13252	13427	81195	36467	10309	60495	83216	95828	92562	79
30	58111	76159	73620	75521	55610	03657	88339	29517	00077	15379	05071	05766	12765	68871	15535	29831	50192	77394	29508	84455	80
31	15828	36320	10687	96627	50574	83069	62292	05320	58704	69517	71794	78714	98550	16047	82858	59889	59998	55566	69216	13265	81
32	14381	26281	17645	84001	42427	96578	16281	69558	35906	52827	80847	78556	82035	50815	60252	97967	91408	19737	99587	28829	82
33	21823	79847	25751	52182	61304	14111	32076	52042	67871	81602	24808	95934	57757	30981	80498	63573	62093	99938	06957	81818	83
34	96463	34327	27723	57880	30214	03780	45814	02320	68297	11554	97455	00215	47488	54156	03737	85011	47283	48779	14396	03610	84
35	80870	13305	79871	16107	17687	25573	19195	34477	40247	12612	31456	29072	95327	68631	08015	81038	00928	44722	48740	57341	85
36	21853	65557	94044	98559	29405	67316	07112	04813	68378	42731	11736	90861	90322	99707	71300	60094	75714	56313	97951	72824	86
37	93548	90535	75916	51407	30224	33584	51678	83511	23067	39693	18501	55992	66450	60981	17695	91488	35363	11856	67252	67074	87
38	03504	09444	87071	40314	77322	01757	13267	62207	82839	49875	70378	03092	45602	13377	53266	42057	87320	73655	25814	58774	88
39	76644	09059	91579	07734	75590	63244	08000	96294	81500	23013	33452	28924	56845	40482	16342	53977	58941	86161	88319	17435	89
40	52910	66567	72167	41458	44372	02336	97119	80731	85530	44709	50219	76888	14943	62933	79708	43991	63378	72133	39457	00280	90
41	27335	34811	78051	07405	05899	10605	08938	44308	66242	53088	34941	75812	54135	33302	12033	55867	88290	23248	38272	54833	91
42	22574	92320	91357	01036	94271	24637	27544	68743	95904	15565	55810	27275	15533	81341	97319	57869	33210	85656	65091	25482	92
43	79479	96672	87963	36997	87898	42789	17858	59035	46985	40264	11912	74181	26182	75357	64545	45912	98827	96743	36929	39387	93
44	66172	30794	42956	56647	31666	76971	26529	76750	72062	88520	76686	56828	77031	07524	52153	84185	82524	49796	70070	98440	94
45	17501	55529	07182	25332	77801	34487	90501	98729	80894	13103	01988	25319	77833	00800	05527	93676	75937	42194	62327	44631	95
46	77829	65553	84583	12618	73071	91995	99624	97463	27608	85642	96890	97395	46704	86573	23057	33962	12760	72752	10554	74763	96
47	84549	38757	03750	62210	33062	24224	00752	11792	50454	58768	07650	50567	88535	59033	64657	83163	63794	50828	38464	79246	97
48	86654	30329	51110	97373	31608	36017	19779	80172	27421	03351	45378	22995	59421	20339	61349	53544	84316	81327	23549	99952	98
49	11376	95700	91913	47459	50199	64624	36275	69744	13492	91451	57724	38100	26107	27281	23439	85187	01015	33257	94375	87109	99
50	14546	35044	56729	27710	30529	85436	57063	25674	86697	02817	53967	03629	98803	13735	79428	72503	08557	95792	48411	69539	00

#	5050	5100	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850	5900	5950	6000	#

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FINAL FIVE DIGITS:

#	6001	6051	6101	6151	6201	6251	6301	6351	6401	6451	6501	6551	6601	6651	6701	6751	6801	6851	6901	6951	#
01	65239	45048	83160	99176	11568	34959	60753	55434	54745	90456	91652	93453	33571	74557	05515	00192	81172	61127	69723	26591	51
02	76782	00217	36906	57038	36029	44722	53366	80305	95068	74534	43820	87855	43389	87558	09842	38528	70238	67974	76274	77442	52
03	84068	43319	57924	86290	61141	27905	71835	97854	76180	39544	08080	12816	47960	41284	49906	69239	51411	00295	49582	44427	53
04	27402	13588	33302	17257	47208	67017	66075	94866	22059	40077	76875	48438	86530	49776	94980	89205	35877	95434	53755	02572	54
05	43144	72313	95560	64287	87906	92834	53943	02449	47954	77613	68414	39746	71141	56218	66184	60921	90521	21281	46984	16747	55
06	35658	70309	37458	82663	75875	73375	92481	12108	78772	38990	55274	08157	87256	49942	23643	79405	69705	85636	73768	01793	56
07	79417	67237	11951	17768	11627	73771	43648	79752	67972	39008	39390	57375	42349	44524	78782	64138	27601	09729	36139	18885	57
08	21465	96436	39391	93324	54006	41401	50504	36781	60004	75556	64683	55225	36461	19144	90011	87534	41736	22209	91563	91092	58
09	59109	09988	80905	79040	72496	16902	71577	14697	97241	19831	23047	81884	25503	45425	43784	00835	75983	24082	31953	79667	59
10	97394	58560	04565	17082	35334	99425	49715	62398	15874	57414	20721	13313	27864	37778	20428	31958	22796	98537	64153	13494	60
11	62526	42091	69841	77303	24720	96239	48052	10331	37834	35555	50586	56611	07457	19536	19471	13978	08093	58375	46047	34038	61
12	46810	17653	64755	26341	26736	72992	46097	46314	38941	10338	44749	07320	22975	32690	24131	16165	94409	61346	68080	70169	62
13	58244	80273	01800	65281	94776	47740	68767	18964	85544	31947	12645	72073	71448	10229	49208	86696	28959	07312	24097	03993	63
14	51809	71009	20421	02336	56489	92988	04741	27240	99150	93714	99316	57595	09271	60264	87185	56704	24154	84599	80500	25413	64
15	75288	79483	95818	14371	09043	56232	32670	87592	23684	99711	49335	45029	45101	36510	37506	90704	13453	64084	34644	72022	65
16	06027	96337	62151	86126	28249	35426	39991	46947	51733	22982	10718	72829	22146	34558	72378	17576	80876	77010	36351	04198	66
17	94099	84923	98296	46620	72054	46775	07065	74219	22404	38961	74401	40497	79799	58299	74239	42524	13089	00270	52144	14631	67
18	20770	05704	91209	08030	85121	14143	98456	89878	84303	40692	68841	38782	24339	06380	59952	43842	79114	24720	13462	23900	68
19	17269	53956	01919	23774	28859	03485	85696	86832	11324	70582	86495	24768	57795	53150	82246	73931	35768	09042	75007	95543	69
20	76441	46322	23513	64438	15869	32953	58253	69938	83828	18390	02912	43388	28126	25891	08109	03465	15972	94974	63951	84288	70
21	95661	81819	11191	08449	81653	22625	22919	46334	33893	49479	54307	52180	25486	33419	60858	61682	65563	47308	94442	99628	71
22	30009	57623	04565	27737	31183	57080	74965	45304	87181	20375	61135	01422	16633	73754	86131	84078	53984	66935	04443	86765	72
23	12355	76344	48546	75067	38216	14064	50884	96288	05054	61466	33808	92189	93133	33647	19173	09230	59325	77474	88835	48561	73
24	07479	43954	84711	17948	83454	55340	97338	09461	80724	99867	36678	01932	97847	82958	05168	49806	17621	44261	15897	29306	74
25	29374	02099	97439	51852	12021	63312	70388	27916	69890	58755	80320	19833	64268	21299	39937	38132	21567	99733	98307	67375	75
26	97766	17822	77047	36600	57869	22641	35727	18969	82360	31832	83028	20611	60939	24060	60793	53042	89188	31289	08974	57933	76
27	79267	55984	08377	99434	97522	47130	06903	29272	83603	37353	06931	12462	23814	10385	88974	14204	89098	33932	83258	37150	77
28	48834	66335	09285	45314	09079	33086	50234	12922	28617	27971	12533	55887	00996	66338	75466	93932	94149	64964	87377	72300	78
29	03002	39390	22345	65265	61838	92750	38661	42849	10171	88948	16881	98083	54876	46565	67632	00832	99303	15214	34249	75317	79
30	43846	46702	40350	04150	09682	02035	32666	09556	10707	86829	61250	14354	98105	71741	86898	77030	87693	21849	71543	74642	80
31	28622	34224	36813	92424	19162	74619	75429	09373	27544	34155	60560	41457	63533	44250	02141	94648	27064	17669	74687	11420	81
32	87567	20848	81593	39536	18852	20905	57356	84045	25043	16949	39060	14840	69404	28459	22907	72982	37241	89578	82589	12727	82
33	05684	73883	24095	02480	13059	15371	56754	79815	67080	58702	27601	78501	67096	80422	40447	34010	31243	48457	75202	44120	83
34	62960	17048	05927	28905	20336	87210	56714	34273	87386	54570	08083	91128	38471	13382	19681	41557	63554	78113	05502	74322	84
35	78562	54519	26040	25814	39601	98320	72356	36627	48102	20229	24132	51540	63673	77468	65021	04999	59247	16773	69312	74314	85
36	66995	78342	59510	18237	04793	86991	45392	22280	94824	35091	52582	38165	81391	01029	75444	15192	11494	78417	50989	12617	86
37	14587	22229	81015	93089	81161	23609	26014	94140	58891	62541	70580	70255	80887	41087	69979	16823	30468	15818	59660	75761	87
38	45427	01839	23213	88247	34268	74703	04148	58622	52791	41152	24118	04063	53715	60667	16964	41652	59903	74851	35552	66710	88
39	87494	07716	61100	53467	27575	28350	80042	34417	94845	96553	53422	00431	98097	08120	70771	57498	01446	61651	49123	37936	89
40	72258	95829	43851	61676	31018	15393	51815	14244	02770	91379	01137	76731	56107	83024	25413	53408	50435	26749	11977	74797	90
41	92180	97043	55035	65538	48192	47571	98827	58437	95615	95263	27538	78735	38962	82248	18947	17952	07970	54564	38499	90352	91
42	38958	45242	25693	30095	10043	24117	96995	72796	95189	67522	60312	02265	56446	28488	48697	89023	81153	51179	33042	05646	92
43	54242	35990	36541	07042	30305	75248	42934	56355	79089	99101	00104	12544	82948	94462	20250	40604	57201	57114	33696	79759	93
44	83837	80871	14045	23153	35811	35490	16001	87998	49231	76431	37204	28637	23927	13267	95278	68261	31208	73030	32896	99862	94
45	89997	09817	79886	49567	29989	48568	88108	48791	99311	56848	99639	81262	93893	72934	91588	55862	98166	00345	15235	87858	95
46	29860	23371	66095	81051	77707	79619	57350	14666	43389	92457	96204	64757	53872	58554	57318	70953	57432	38727	21199	59520	96
47	21313	90525	28965	82695	26075	20494	06624	30089	92040	75391	06122	46482	94423	06519	36060	44393	68224	79285	03965	00453	97
48	18545	64576	74084	60803	99131	21501	21884	33464	81801	64617	05870	23455	63065	36824	15722	15182	62533	51417	05668	55009	98
49	69089	08050	21464	97346	66042	31725	59262	34775	96545	46781	26164	03003	52530	37895	56673	85980	51620	91605	67092	51530	99
50	62816	66375	19730	34677	18658	26233	80153	55205	82208	81912	37926	90298	26008	73191	31213	67829	12083	33474	71934	61191	00

#	6050	6100	6150	6200	6250	6300	6350	6400	6450	6500	6550	6600	6650	6700	6750	6800	6850	6900	6950	7000	#

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F I N A L F I V E D I G I T S :

#	7001	7051	7101	7151	7201	7251	7301	7351	7401	7451	7501	7551	7601	7651	7701	7751	7801	7851	7901	7951	#
01	64974	13161	85318	49340	22512	54331	51816	00781	60529	45563	73240	76160	13558	77355	82377	11362	03683	50775	25145	25891	51
02	54292	64975	03102	17420	22033	01867	02283	37355	88366	24133	35756	64604	72344	16141	64824	54259	59956	28131	54974	96326	52
03	79384	09138	50446	93534	63985	74686	69348	88854	21792	91379	49229	71801	71979	73940	76374	60001	65778	26534	23985	62074	53
04	39226	87993	36079	27029	51027	99145	36419	42702	99742	31484	01799	57686	51093	66258	38273	57637	40943	32586	79911	38369	54
05	96036	58668	52068	10777	69179	91319	75007	12924	12798	44958	83171	57773	63626	48841	86293	44665	51356	17934	96085	98012	55
06	53768	84550	28073	91956	44338	40453	72313	23983	25090	88669	04146	28649	77191	04113	51427	40658	25496	48746	59392	44366	56
07	03559	44523	44772	42825	55996	93097	44721	04184	44254	29189	15444	15231	64925	75701	68302	82479	04340	72357	90856	12197	57
08	63411	06706	49484	23893	10601	84081	28818	28596	66727	74061	40678	04683	03417	93948	92974	22046	36399	37627	95451	12938	58
09	72490	56413	09506	84650	92320	98629	13783	24374	01922	79004	73926	53789	94407	05296	34077	09030	18850	92054	47352	24688	59
10	47261	46390	43234	73111	12593	80501	44085	41735	30946	24413	88467	68890	44137	21034	98533	03902	16480	24522	57637	72112	60
11	59280	04422	95084	72351	83518	12488	45992	25228	13730	26952	52530	55406	10931	62591	39724	10236	65681	91945	16213	80144	61
12	50790	23567	70840	11083	41334	25667	43509	93034	34857	71113	81732	19555	12834	83557	87267	07623	62782	61548	53396	28818	62
13	53776	54985	79622	21250	33460	44119	69883	54976	19046	42912	11451	22874	76334	25827	32936	16514	51257	83327	26013	41404	63
14	32269	78991	84635	39435	72642	24706	53316	32503	25535	02640	65118	43623	56755	46875	17940	68437	05576	91291	23922	12646	64
15	24415	38009	51070	52067	08898	77064	56881	83907	45974	47527	96792	73021	04313	55279	85519	07578	05787	28841	03330	12401	65
16	16520	13494	03190	18537	97353	08271	03991	53825	11200	89363	38053	46974	92580	42799	71326	09672	55836	78195	74901	40368	66
17	39243	37139	24627	13205	89522	20898	01341	21354	10497	55668	90276	46031	58879	15092	26985	23507	62929	54286	19684	83873	67
18	80948	21896	90466	84745	07125	55455	25729	65559	08767	82599	79358	20512	23128	98770	16527	96061	98279	15404	13319	05780	68
19	68328	46264	67539	29961	36877	01424	97313	71515	29972	85216	32520	85836	16556	77110	66735	58549	61192	58150	06491	61574	69
20	01733	56491	37293	04059	34693	40652	72010	41453	16613	58231	97302	58739	84241	04255	21435	22722	41032	35760	33848	47171	70
21	88910	77956	07883	53129	23726	78821	13617	03755	58882	79643	65331	67780	87491	51394	30405	96148	81023	22804	38647	41142	71
22	99990	23068	82374	64832	11244	00400	78910	87193	89582	50177	17729	61414	48179	98816	19160	97558	46305	03782	08339	93911	72
23	07456	18767	27122	98850	86488	45046	95023	63218	24395	86403	48745	94327	32965	25784	65320	01828	76994	09591	55301	00748	73
24	07030	97813	21029	13875	51248	78115	82823	56300	01224	20954	18177	94737	51539	38565	30959	99960	41590	40976	40930	09454	74
25	10773	25473	28210	28654	03980	09847	52239	62763	78805	17668	93834	23106	55927	37349	56761	43422	54967	26092	24010	04608	75
26	81593	56572	26313	09473	02927	61716	33550	31371	03823	74322	65084	35815	74826	07258	00411	72585	37502	21853	99398	91914	76
27	85865	15950	55954	87360	17816	16966	47162	27892	93408	12777	25659	66801	12374	21957	16271	85505	10693	81556	28471	07400	77
28	53166	56331	32157	06990	14549	15186	74375	22620	61727	07015	48287	33292	60936	32445	75191	95458	78222	41832	79390	40616	78
29	82629	02935	19709	22978	50543	58043	42184	14628	26550	93701	85602	40968	47933	12540	76735	67799	52067	28167	01437	51939	79
30	80143	20670	52215	64617	09517	43210	09081	53996	98164	89217	50761	80213	27957	08031	64210	68163	75210	98103	30522	59240	80
31	83895	72506	31789	60209	02076	07613	49819	14691	54762	48026	94653	77201	06028	55799	02171	30718	67642	65839	23505	91402	81
32	33156	90895	24782	18866	12342	57428	95784	47432	36210	86448	45849	01031	38850	85714	74235	89961	27325	29051	27411	28431	82
33	97707	92304	94701	29659	14617	84815	03506	73773	70354	15319	10792	09344	15793	85571	52539	34301	59568	57259	52105	15297	83
34	75690	23575	25242	54734	74677	44571	98191	43376	33998	89727	60415	04579	57287	37379	79479	02958	98939	58199	46741	43732	84
35	90730	40752	21384	27125	59480	65493	39930	14591	90703	57254	22258	57440	36968	53020	45571	59007	19854	75639	65330	26627	85
36	07925	06643	19453	00365	10176	08584	18454	60419	14253	19150	89045	37643	22728	77486	13401	02567	23232	92999	44008	52573	86
37	56779	60642	48732	95958	47328	62957	97559	05363	34002	70525	61796	29095	07801	10325	06110	20479	25582	88248	94727	47196	87
38	14191	53288	91060	60595	36174	18200	85531	22138	50298	24775	78421	18104	05783	89529	52207	44504	22279	62127	84090	31311	88
39	54593	12529	27111	68555	91510	82004	48075	26895	81415	55099	05298	74851	95573	15866	57584	82207	73050	56533	27998	40174	89
40	77505	87503	48739	04703	71065	30131	91158	03188	53512	08116	26775	05633	01630	55362	37655	60054	29441	64800	64659	28692	90
41	11218	56428	56200	75166	06901	50840	42771	84248	81917	08730	09019	33147	14860	09315	81177	37248	35011	76293	54757	26586	91
42	74830	90748	23857	48589	67631	46346	42681	05224	62326	06682	19968	32380	19731	79160	44486	87836	63868	39573	39899	59037	92
43	54067	07132	04063	68865	26669	83568	44649	51328	27708	74267	96110	30561	85933	81869	00038	01283	38323	15902	84635	07069	93
44	80892	63845	95315	74439	22123	84670	47250	88905	82385	86184	47404	90097	84532	06829	57282	64504	71621	94731	02982	83666	94
45	81668	10388	58283	79539	07021	84523	20707	93569	77495	24609	63315	63746	93464	34361	88013	18192	39767	16866	22196	24932	95
46	60085	32780	97754	97605	40866	97959	85024	21135	27929	14953	84272	41358	30442	57573	54839	56306	19004	49856	61690	00195	96
47	06326	12259	49045	64429	04570	84774	34330	12395	74617	49842	32418	20177	35136	35297	69882	44916	01783	60297	24215	96118	97
48	74788	04248	22122	38300	22747	64302	30468	27479	24972	89863	03085	49666	24044	49512	18239	81979	99463	68311	60025	45172	98
49	43076	14446	31406	89710	97455	14026	09331	24072	02414	17692	50523	58384	47435	97038	17132	53338	94705	11702	77950	01353	99
50	75853	33937	98022	25347	75967	84646	52961	29540	65905	30120	34753	78612	09365	04714	94690	61417	49164	48789	45974	30222	00

#	7050	7100	7150	7200	7250	7300	7350	7400	7450	7500	7550	7600	7650	7700	7750	7800	7850	7900	7950	8000	#

H.J.J TE RIELE, "TABLES OF THE FIRST 15000 ZEROS OF THE RIEMANN ZETA FUNCTION TO 28 SIGNIFICANT DIGITS, AND RELATED QUANTITIES", MC REPORT NW 67/79, MATHEMATICAL CENTRE, AMSTERDAM, JUNE 1979

FINAL FIVE DIGITS:

#	8001	8051	8101	8151	8201	8251	8301	8351	8401	8451	8501	8551	8601	8651	8701	8751	8801	8851	8901	8951	#
01	49943	76509	29674	56571	90882	37327	12703	22796	30215	81006	14961	34007	84999	48047	93714	08230	99481	77075	65810	65571	01
02	28239	07592	16614	04258	14559	65476	53250	38321	48187	46797	08591	87936	29955	18030	17707	10269	97249	96458	22185	99825	02
03	25145	91010	67063	62072	89935	80501	50670	20183	64563	15674	95013	58562	76493	40863	42779	54112	70651	42293	79787	31051	03
04	96997	03825	81327	89279	68593	12113	33687	79627	62981	82538	90774	46683	14963	81226	54183	90185	91474	03622	15562	53538	04
05	25354	36368	65805	17742	61740	46593	05994	82181	64440	75029	78596	77735	51922	47117	20524	25154	06582	46375	83359	62191	05
06	01150	39442	27036	60637	40623	18887	57248	44796	20265	14394	35905	38589	33896	25248	89564	14779	21173	04028	52109	93953	06
07	49963	96251	02131	04974	76763	68360	70844	57854	54794	44360	42008	80997	66515	74933	35924	36443	74694	59297	60906	07332	07
08	22270	24149	79331	76713	40167	50906	76126	30355	36373	62490	41025	73328	90724	91859	34856	21657	50711	20451	38437	69976	08
09	58052	08956	45835	30842	40470	57767	99155	74994	62873	44459	66601	55129	50677	93552	49329	96236	05791	32565	00811	59379	09
10	08295	29468	71833	68490	55957	00297	90139	76088	07823	29290	26238	99805	80833	55074	94996	51567	65510	47231	26045	37734	10
11	66170	95974	83508	82744	21932	75330	82948	94727	20619	36860	87539	45286	00026	61823	52990	86049	88649	00746	62495	38976	11
12	84307	74746	06448	03535	75604	81361	37448	02229	97906	22153	55928	53971	08184	24838	27989	03974	19453	09961	77877	06964	12
13	78497	04116	65456	26826	28054	67170	92083	91022	48274	06569	78355	43200	14246	53554	73231	42851	50877	90826	34437	53762	13
14	20552	27601	01808	58877	67640	75407	96822	50291	74577	09375	86925	11014	70065	97330	11454	72568	96147	16849	46064	57515	14
15	99943	95265	50306	14395	91604	68633	49301	70284	67304	45958	23712	88272	21595	52769	64013	44018	29598	43395	92353	49741	15
16	27856	91952	45294	23382	20593	72046	42326	49791	50773	27076	04326	74680	20149	08376	26062	65896	22332	98374	31674	56500	16
17	58671	77059	70760	37017	52501	72484	30554	27098	95438	68380	30302	10774	08219	58167	97387	57275	27641	56815	01985	27383	17
18	34914	17186	72001	16011	07144	39428	95939	50893	30282	98414	34207	91344	96011	46545	40696	01878	33216	47750	46587	50873	18
19	79855	13682	97348	59630	55268	76523	44593	32364	06465	92370	71253	31092	35184	01620	77667	22277	04700	06167	20492	09969	19
20	97180	68866	15845	49435	11209	50478	82186	55066	46328	68555	74131	83083	10729	14972	92986	34729	98623	35970	04774	80676	20
21	96881	32081	79871	84465	15390	75669	59912	99740	89863	45606	08875	33831	16286	19409	77155	75002	73075	14367	00081	76395	21
22	81128	39861	71071	29142	14300	98682	38644	07114	17870	59623	35504	90276	99807	40195	17291	29002	67995	23096	63615	11934	22
23	92029	53110	79225	47687	82109	45109	72324	13151	19914	85116	56257	89821	45754	36017	87309	33954	28967	29618	92636	06159	23
24	82471	42986	59037	85851	15954	18015	43509	02581	62958	93921	25369	76719	01668	00966	99663	11912	31323	18752	62792	31233	24
25	83827	24531	21941	26281	93821	55525	37693	31580	65838	54996	35273	27896	20154	52552	13655	68898	06749	14013	81915	65849	25
26	39491	00210	33495	32541	24152	62851	28003	19267	16732	85581	53582	07615	08001	28627	77071	79433	48369	69097	23274	19374	26
27	52103	01622	78284	29473	19542	63295	78315	00077	55031	05567	26320	18765	24628	07882	99791	08537	10023	00429	44824	37248	27
28	11101	29269	69257	44222	54605	26806	61550	40645	68059	94690	38948	73276	43940	78866	98714	77284	65476	73569	19173	13618	28
29	55243	37841	00734	37612	52063	89804	87731	53021	88125	02251	23854	84471	33124	15995	87159	93297	57022	60577	84613	15259	29
30	68821	26525	38163	17877	59658	65030	83857	65036	81226	58435	79073	63774	70596	95859	72664	40554	23444	80307	97021	12734	30
31	81504	74290	33519	25747	95554	87584	39946	59320	92670	46539	17782	16846	05157	05848	10405	15602	24730	45900	65695	69131	31
32	63493	78779	59293	45580	04829	60353	07681	64542	60320	26641	83192	27592	51534	01791	21687	88695	84427	11101	51770	56194	32
33	26461	91679	47193	84223	53598	50248	99964	77434	42365	50237	21379	52132	97983	79217	06146	39332	39461	31484	32645	96194	33
34	24447	89729	32070	09342	00946	32531	18570	57083	68681	20668	39606	38527	86295	82841	65766	41959	67963	14523	63168	36828	34
35	38172	36849	03598	70567	20431	79508	00628	19690	57851	72483	92745	23709	42418	87139	16217	38210	54971	93569	53963	50641	35
36	49431	25926	65104	69025	57789	54295	20949	21827	68903	67430	19252	80050	30790	92523	78159	50057	58855	06323	92187	29357	36
37	42907	11796	41505	05512	54613	86639	29150	06336	47279	21667	91257	38059	55976	14202	93593	17395	11543	90304	65143	42647	37
38	15221	21086	59602	14083	74040	95104	96373	26424	72280	57283	67281	83355	06503	81391	33515	68701	60947	93925	76417	89810	38
39	67175	47563	15946	40360	09910	19753	56439	04119	75104	41654	25707	67064	23692	89412	59095	19748	50693	62569	00664	65599	39
40	89029	24000	74949	80983	26014	10196	55669	91285	52506	59646	98496	25218	71224	85839	91291	72175	61771	62117	64355	28027	40
41	00509	25113	86582	91544	77645	04590	94458	73590	77116	65464	02796	13985	00051	82783	13594	23707	32587	09280	76581	77586	41
42	08954	53957	71273	72125	74006	45262	56697	68687	86878	44847	11251	21200	82522	91458	11800	12638	46085	91777	78843	99056	42
43	40806	59274	85552	72506	64466	22976	45972	15852	56167	14471	61088	86934	98726	30795	94960	61688	37037	92718	70358	08514	43
44	15264	07114	15084	97423	12212	01138	40178	38025	65856	37766	61869	03405	18948	08011	96018	99426	32046	20686	71659	21952	44
45	65556	46573	41648	92393	12687	44994	41519	99495	09013	69567	35679	74140	74362	96301	52438	00729	19874	01882	51761	39089	45
46	48664	16629	59992	99007	61819	63542	25952	51529	83325	15095	67616	59303	27611	26606	78781	27436	22080	21220	96964	37850	46
47	78664	10292	44714	02363	27891	52571	92968	84405	30413	49124	01211	11271	41931	11209	26087	81770	05491	38789	70926	28517	47
48	66561	84965	00397	49628	99437	93055	69709	38513	71191	59314	59322	89795	46716	43169	40939	47731	97010	46379	66538	39101	48
49	90865	76370	23764	88508	38197	36213	47527	46403	58538	44323	11787	08668	24582	77284	19192	12028	98007	83082	72390	99764	49
50	74342	52563	52932	11400	35405	06962	30809	51317	12347	75885	75442	81133	60908	24969	88890	15379	72111	08914	91321	74317	00

#	8050	8100	8150	8200	8250	8300	8350	8400	8450	8500	8550	8600	8650	8700	8750	8800	8850	8900	8950	9000	#

H.J.J TE RIELE, "TABLES OF THE FIRST 15000 ZEROS OF THE RIEMANN ZETA FUNCTION TO 28 SIGNIFICANT DIGITS,
AND RELATED QUANTITIES", MC REPORT NW 67/79, MATHEMATICAL CENTRE, AMSTERDAM, JUNE 1979

F I N A L F I V E D I G I T S :

#	9001	9051	9101	9151	9201	9251	9301	9351	9401	9451	9501	9551	9601	9651	9701	9751	9801	9851	9901	9951	#
01	04885	58881	81420	33774	11966	12223	41612	88696	96682	69226	21958	42490	43971	15469	37073	46831	94028	54921	39043	87307	01
02	89027	74781	03866	26258	04385	81916	79731	59063	68156	07933	27932	90964	90906	19327	80280	15985	27632	46793	61929	44870	02
03	47113	95693	26840	99101	72397	02416	08249	14105	71499	39251	75790	56210	16106	72131	44805	80142	17370	50660	19475	38562	03
04	14830	79234	55984	77515	53418	06138	45234	07228	56333	93444	95011	05716	31363	43705	45288	80235	34222	89190	54958	33747	04
05	16003	78626	03150	20886	80823	27461	84126	52756	87002	31221	48858	73298	52186	97321	69487	02781	42259	28610	65506	61428	05
06	37130	26873	56054	34690	30183	05456	38718	13617	05564	76638	48111	67964	48758	75355	20834	27125	07915	23164	21817	65643	06
07	05474	52759	23467	22714	47733	53851	34209	35420	39267	58216	30971	05644	29557	11645	89801	25778	82003	90802	17596	19052	07
08	22892	81867	90751	24643	22872	03700	88234	26092	84703	64221	01307	05381	27974	35645	42235	63995	76522	88125	80602	65150	08
09	38215	98723	56319	19960	77252	95460	07003	40581	65356	44024	25490	35581	76715	02282	97558	48715	02809	22766	28916	41716	09
10	08655	87216	83469	48765	51690	76558	65711	45769	92447	26849	96278	46410	13774	79001	51171	14102	86855	99690	17878	81784	10
11	21867	59238	61634	55572	52159	94939	53244	73977	45879	94421	66429	79910	01367	73543	06040	94691	20722	14158	39121	53886	11
12	09900	58515	39236	31636	57659	06229	38678	25072	07624	57291	06737	46566	89887	68868	88446	34719	56361	95995	81777	56192	12
13	79083	56799	42249	02522	35482	52272	91061	56663	30424	35814	54094	03302	32446	35239	37915	56316	33099	85960	44593	77866	13
14	22446	49864	49743	52338	08776	80955	09734	44618	56423	33007	15426	97472	58200	00824	36476	35224	64704	64064	31003	58705	14
15	18736	81405	65660	62687	02724	10764	94376	75175	16854	45219	44339	17177	14195	61918	00211	56031	99691	71473	05168	45129	15
16	58189	34418	34091	98679	44915	17952	79679	85066	91609	49772	50080	89112	62874	85280	94877	14081	32531	46645	95433	63674	16
17	39960	50639	11003	91530	90661	80391	53305	04867	96896	01650	41269	93193	15196	45292	30441	69995	17551	38251	93891	31268	17
18	39650	59886	39246	06515	60516	17269	40179	05450	58577	68386	40447	16746	06341	39586	17367	46035	25638	09734	69916	94524	18
19	24267	73164	26442	09603	56279	25971	75476	75576	80586	36842	79475	99773	03901	65413	72127	41036	04564	56463	33788	10648	19
20	93528	01715	31853	19828	03745	67848	09421	54568	07292	59838	42405	91639	17417	59852	31421	92245	75065	72381	30992	11987	20
21	15580	94518	83510	34788	34338	14048	97093	67396	09649	60393	75621	85330	79156	49127	96257	55724	60861	63840	85442	71964	21
22	12394	92949	89631	22955	88908	28048	04826	20172	90685	94009	25822	67371	10347	62930	75909	68486	54057	75066	65482	04693	22
23	51819	14255	81486	19702	05850	36194	26534	21916	69437	31828	13299	27897	94399	23734	08455	93393	56971	19081	89674	40211	23
24	45736	83753	07048	43951	07756	43690	89534	50434	63219	57570	09723	39334	50903	47887	68847	06678	48259	28026	21181	35417	24
25	66712	96781	79612	18949	39992	26452	45480	54460	72320	58044	14210	01707	99939	93331	97173	52380	83141	23534	20428	00757	25
26	38774	42712	16136	36106	21609	98055	91376	01194	64979	33970	34202	86521	77656	36172	74621	16350	09111	06566	06801	00279	26
27	09249	20399	77961	41966	22539	61097	34905	05805	30397	52553	81251	58062	85171	01553	86959	89398	95354	02536	58957	35279	27
28	58723	92909	87769	88215	89394	97784	54982	73680	48184	67640	97129	56217	84335	20500	31644	92171	36144	74539	03969	88630	28
29	32086	26685	33293	75468	50624	50768	81281	20565	10896	68729	08983	51370	70527	86925	37105	43294	28963	82256	29175	32146	29
30	69746	06061	85492	73510	18488	92632	79322	58861	65385	24397	67499	15551	86330	51844	25429	05437	20095	96967	40736	74005	30
31	53965	83105	75219	73400	82729	72692	45829	35904	11434	59834	63627	81002	74662	05032	27467	68281	91986	38740	84839	12891	31
32	75160	96722	10628	40271	82308	16164	75661	15612	13854	48298	39645	17220	16931	46505	16636	68726	81878	50296	75488	27749	32
33	59846	16431	81422	77831	19419	73653	41548	54470	70173	34796	38448	71995	93846	02118	66671	00763	17260	09758	27206	82723	33
34	36015	53099	04113	42750	69491	23314	11278	70182	16190	67676	79264	20986	50940	81440	58880	78598	33468	53213	71992	94634	34
35	05543	37220	06052	54516	04788	47304	08385	07587	17400	62083	41340	23207	80978	68745	90883	28716	07617	47756	49966	78809	35
36	05943	69176	93250	64356	29459	65677	67516	77993	34380	87208	10324	90752	60015	99324	79363	75210	81963	12303	52353	19850	36
37	42494	33843	25424	82249	65769	54545	58680	16886	43972	15682	46656	89215	07374	78565	09550	30574	14900	24898	14026	04533	37
38	04214	99479	50565	77261	19303	53424	78302	70660	70934	94251	63216	68142	30308	88634	58514	30755	14028	66105	34236	43484	38
39	57558	29256	28006	94231	23589	35651	33787	46093	19150	50189	33448	37440	78395	42183	93692	10783	58605	60953	39227	43795	39
40	50248	22659	35443	99996	91436	86052	42772	83752	89261	42396	15470	33656	07541	12598	17478	59354	03244	72871	77964	52989	40
41	51600	92510	54169	52500	03341	10764	29311	70097	56268	97549	77641	56037	44158	11709	60195	11062	52919	33166	26909	06577	41
42	66606	56023	07852	55724	07852	90679	56022	59836	30750	47078	59221	23463	08035	18332	13610	51923	54831	32189	30860	94358	42
43	14624	25162	52710	47032	32907	09571	12914	90867	67018	13724	85266	85593	81834	69592	87970	03834	71476	65806	20812	19994	43
44	10380	96511	24849	61976	99325	29257	60111	46640	69587	22692	84525	64026	40832	97636	52955	42915	02962	29839	59395	79327	44
45	36809	65038	64337	80892	14245	57968	61061	69547	64952	66319	82425	68833	78567	21955	38249	33747	39101	61596	67942	81806	45
46	38546	06849	02565	95631	84169	45961	23364	73280	32199	36386	57452	61237	97068	91178	64625	70505	83385	27626	94035	32729	46
47	23914	69560	36012	46355	70603	31973	88842	67762	49098	41664	06137	67606	84741	53472	42594	03922	09765	35956	59020	80372	47
48	19128	14024	82813	71678	92097	59510	19901	77292	42759	73841	21862	79857	39262	98732	72856	38998	08090	86391	35903	20600	48
49	06543	54191	49109	52736	97294	60192	84520	17725	93381	88874	59620	71773	46312	13017	56883	72544	09962	35586	79950	13505	49
50	44628	09524	55059	05485	39045	84387	95367	16557	71904	36730	63161	23630	35065	65918	18654	04458	51444	26341	24705	99071	00

#	9050	9100	9150	9200	9250	9300	9350	9400	9450	9500	9550	9600	9650	9700	9750	9800	9850	9900	9950	10000	#

H.J.J TE RIELE, "TABLES OF THE FIRST 15000 ZEROS OF THE RIEMANN ZETA FUNCTION TO 28 SIGNIFICANT DIGITS, AND RELATED QUANTITIES", MC REPORT NW 67/79, MATHEMATICAL CENTRE, AMSTERDAM, JUNE 1979

FINAL FIVE DIGITS :

#	10001	10051	10101	10151	10201	10251	10301	10351	10401	10451	10501	10551	10601	10651	10701	10751	10801	10851	10901	10951	#
01	37407	20188	16301	31332	40717	95182	21624	18838	69506	99424	80433	86890	86108	00555	01432	30972	73147	86159	08782	94502	51
02	35820	00473	63994	78046	16080	53235	14613	03122	87241	21728	46406	57857	26998	88651	89818	05491	26573	14481	94047	03622	52
03	00742	65136	74696	52625	27224	33152	18369	94272	41676	10481	38575	48246	55344	87465	42166	47396	60044	46013	06397	48488	53
04	69520	44175	63701	82239	11300	76042	99499	86690	30796	37634	42926	21784	09035	07592	23793	96510	90596	45228	07812	91263	54
05	23511	76382	15415	57384	24810	78413	48426	77794	37283	41652	66156	73871	47126	73832	38818	78982	89241	59855	21925	01797	55
06	67496	26381	38587	58479	63051	99740	73545	14111	99423	70699	86264	12824	53366	59271	46587	40430	51493	43150	97395	56789	56
07	51530	86299	20606	98924	89816	76961	10372	58691	45774	90674	69092	95345	66747	31278	21161	26827	29449	59993	62884	31029	57
08	90579	33239	39916	60326	99209	90039	62089	11640	75828	58763	08024	94371	54875	13769	22541	73181	43407	95019	91842	38481	58
09	31498	96295	49460	49288	13679	57644	19302	45295	03995	03182	52580	99496	47038	35468	38140	08475	60848	39783	39551	54853	59
10	91609	22595	04961	44337	77750	89126	26220	44554	01493	82558	44429	70758	46498	83869	46348	62249	29144	49114	20350	03307	60
11	10208	93591	86887	89047	59352	39976	21756	89850	24339	61011	92524	62121	74973	91708	52536	24744	07438	47678	86809	70866	61
12	94133	70809	17702	81547	18630	24589	90905	71092	88177	02199	34576	70561	42633	00363	19812	76407	51795	48158	86657	58979	62
13	99770	66417	60627	61143	31345	68061	82430	84824	69767	73824	94480	57492	58937	91639	52493	97905	78159	67625	56094	37798	63
14	16550	33111	04137	51252	26143	05684	04549	55515	76859	75404	61442	81488	10434	18857	45931	55582	65882	99737	84470	27309	64
15	13419	76159	90452	71774	63542	80110	09607	04891	62861	53699	52832	08366	29227	80536	09562	01481	37809	78631	51061	35697	65
16	96998	74221	64546	53184	69241	93707	08255	65469	07267	21890	13505	65393	99243	21451	97962	44688	34965	45309	41323	43637	66
17	61699	88300	35215	82415	57219	51099	14512	06012	32895	81732	51671	60820	39016	08592	28735	77182	88956	17911	72600	94194	67
18	59282	57565	48884	50305	76977	43872	66169	41296	37115	44800	99910	93534	73114	39356	50261	94322	45191	40815	93266	91915	68
19	26248	02791	89090	22125	61953	52002	28969	04844	59934	68214	44621	47935	46101	08192	30217	55451	53753	82115	59002	49126	69
20	58133	62188	98707	83399	56862	64513	18305	27075	22668	84566	24063	49828	22615	58018	53852	82978	29199	08836	70649	01251	70
21	91269	87784	58592	69237	99402	69685	12802	00983	90616	00653	37504	63764	61298	37973	68554	44030	01082	13947	89665	44304	71
22	25489	52921	92258	97859	26462	42323	57398	17321	22722	35849	93985	89562	44450	66417	54668	53109	62984	08476	13258	05759	72
23	52198	74594	07683	04328	15715	70934	36871	45946	35872	49043	57518	02233	33516	39838	55740	01520	24985	34781	37003	88292	73
24	87698	26199	80529	33073	93337	78434	75072	91633	60556	74498	33425	71031	10950	38127	60760	31817	49510	00844	17535	37999	74
25	05752	78948	54063	43186	68870	07985	95269	76655	44097	35603	37424	50728	89028	29704	47322	78728	36393	30586	56554	41133	75
26	25418	33949	51305	13807	06305	31357	34432	57598	12236	41222	29443	84556	68086	76648	86814	61024	01091	58708	37202	94859	76
27	23678	58635	83340	14275	58823	48371	98259	16692	25846	75933	08038	18046	03995	38670	80536	00393	53754	54529	87637	72753	77
28	99427	54892	60453	25014	04840	14918	58163	40017	37946	70886	67113	02441	74243	25397	96261	95213	59272	64037	51709	66860	78
29	61878	17393	82710	19672	76688	35922	72223	25410	98035	19106	14708	81599	28872	48697	60433	09503	61312	14295	32644	54142	79
30	84437	30828	11930	09958	79574	49541	05007	26462	12788	21139	24746	43182	72753	74647	20685	25353	34529	37443	57211	84134	80
31	95577	84880	88620	49249	86149	43536	49796	30008	17670	39561	65843	15609	06318	16692	36703	20997	04880	51174	02336	24683	81
32	04236	15446	48131	06551	77457	47196	93706	52687	59964	53603	78935	29070	26069	84716	49317	20435	90513	26238	03652	68467	82
33	41782	25438	56240	38357	96310	62648	38659	76641	45962	12489	98566	35247	47438	41615	00848	26903	75278	88459	00191	46335	83
34	72927	25068	50184	85203	76079	92741	48050	38670	12317	84412	26310	13987	09724	75954	24249	65930	84283	52637	40214	07458	84
35	21522	62856	39070	56616	12122	47922	50348	24833	94449	01651	71146	56574	04309	91390	91888	82171	00397	36118	13245	52947	85
36	55918	87359	03700	39216	23231	17827	07884	50461	54740	17184	46748	22317	06058	19949	21801	05686	30364	55781	13289	11847	86
37	47205	10875	89449	83911	12511	47315	91491	42540	49057	15793	75356	96730	05164	91327	22830	44694	71260	30587	46972	52215	87
38	21175	58083	19988	29499	55834	77991	83759	22183	62170	34984	21930	54825	33450	29816	78413	50041	12793	35273	74022	18112	88
39	33795	51275	06153	41489	28851	69546	01154	55312	30433	73474	08043	54459	07574	97433	39637	08950	18100	93518	66912	59554	89
40	34018	64903	94492	32012	97960	04704	79952	01329	28433	41439	67690	67369	04894	68231	04150	78966	97560	32878	44739	70928	90
41	12476	17165	05607	68075	72775	01778	99152	05029	35352	06199	04647	27093	81907	20415	64118	84643	45082	72849	69000	63808	91
42	55458	95239	31757	58273	77210	51188	74504	13291	28380	40274	52456	06151	66708	19188	35718	08584	55070	71119	13394	64293	92
43	90590	92756	22872	20029	43170	46321	55551	25998	34757	07430	61066	36791	60243	22622	46876	04140	45332	31444	52463	05467	93
44	41810	26047	25199	36942	27948	66550	55467	21758	48883	49842	71947	09270	86499	65440	41066	89663	68908	62546	50253	99246	94
45	63113	74967	02137	03088	06619	26922	93033	06172	41409	43802	52155	79834	34312	67596	49923	13468	87173	98671	05833	20675	95
46	73445	12041	21138	77798	22134	23215	75304	03920	12032	35909	42621	40146	72172	51584	77764	88587	60936	06958	14029	47347	96
47	74693	84776	28940	14426	93195	00290	55412	87994	21744	32961	37325	07067	11484	59458	40810	94234	98279	57288	52107	82311	97
48	69484	67203	98567	92099	41483	17352	16228	67989	20808	13824	48475	91299	57283	41602	91313	95775	31902	09408	06885	55940	98
49	02131	04845	25364	17048	46186	04189	52967	92870	73667	29562	01096	10985	50665	24828	34733	33344	85534	61054	38368	97961	99
50	08894	58781	89578	87153	32531	09859	81580	95922	05563	69188	01623	91317	16144	57033	29113	19627	87434	01833	31439	86978	00

#	10050	10100	10150	10200	10250	10300	10350	10400	10450	10500	10550	10600	10650	10700	10750	10800	10850	10900	10950	11000	#

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FINAL FIVE DIGITS:

#	11001	11051	11101	11151	11201	11251	11301	11351	11401	11451	11501	11551	11601	11651	11701	11751	11801	11851	11901	11951	#
01	21175	80326	32645	55204	63218	31413	71493	65357	34939	47552	36886	78121	36252	37795	63494	25291	23214	73270	07700	27723	51
02	90840	36369	37540	27056	34642	05392	37040	57776	79337	49206	09110	23609	02071	41482	67388	45382	43069	25050	01450	97565	52
03	70986	07153	70481	90734	53482	19959	99410	11972	89370	46886	32619	23967	50175	10225	84706	45602	64107	32658	60879	27917	53
04	82660	03605	84453	53573	34054	18070	80447	46377	76174	41855	28284	81100	78679	88568	58367	08932	39661	13793	29267	82477	54
05	83490	72019	98821	41543	27942	54393	59951	83568	92349	43482	43307	45170	50630	76357	03779	01648	09807	25918	79901	63033	55
06	71357	21647	20604	44740	04478	80660	73853	16545	12564	72909	34467	73225	60056	32498	10706	33894	94268	97054	40409	51406	56
07	42821	06093	94656	96537	12973	51717	40657	27975	71277	30311	92101	87971	89787	22514	03025	24244	18411	00347	08020	11218	57
08	89202	77276	95255	92718	18135	68376	55197	18797	70540	55804	09251	62223	58123	39873	40540	96089	21041	92492	10690	44753	58
09	97478	25074	52158	32766	44607	81128	28073	54801	08041	37198	32105	00564	47577	11123	17074	24356	10912	83983	68923	09316	59
10	74928	23414	93448	92252	50646	84126	44218	26139	71465	41253	31722	84061	58747	15704	45642	59620	62865	30552	05611	72415	60
11	36321	01881	80710	14357	53630	52570	96395	80353	43892	64733	75226	31510	56002	59612	41975	20949	53113	86537	01413	94340	61
12	16423	17685	82279	95044	72449	21278	93980	82420	13545	02994	32291	32608	97044	78481	04619	44552	38903	26451	07180	54931	62
13	22673	31170	38415	08240	09956	82997	79124	73955	64158	80146	74975	95442	20812	98982	61813	83375	52198	58732	10964	75034	63
14	57553	91078	36197	80957	25403	11250	22983	17186	05106	72726	70188	51743	25549	28076	32341	25081	95128	87527	35687	39178	64
15	52836	20070	99618	83665	99071	85019	29526	27721	61218	03005	61490	92150	97432	47248	86665	91452	70091	05070	76453	66509	65
16	36365	58493	01611	65774	25001	19492	32503	70847	74296	37407	54875	88283	25342	22350	95374	94059	57163	42229	19897	02006	66
17	60994	95058	28577	02650	52510	31479	65623	74965	56049	49013	19875	49502	02022	99252	88354	16252	16555	51723	29044	65239	67
18	79546	13649	66504	71800	31692	44799	98190	49354	35063	37518	05205	31264	44396	45279	05787	44630	16036	54960	68011	57462	68
19	69106	52602	37800	25651	90666	48792	46488	92982	58282	68628	70029	65049	77480	02780	25079	96751	75968	67976	71633	90883	69
20	54310	45573	52178	54608	14618	31420	44073	90032	56956	16608	60008	51235	99859	59173	56959	11973	24812	15410	11932	27277	70
21	65387	79093	40075	71784	44179	45674	10799	52383	93087	50430	51204	23390	25603	86704	72403	71167	55072	13855	20654	68194	71
22	19831	10223	97564	97956	23581	94995	72576	40758	19696	14882	26857	31746	13856	65289	38388	13314	06075	94611	28324	35974	72
23	18880	81428	25743	74816	95736	82641	47799	73397	85244	17662	59204	05446	89295	23041	58967	81396	91370	43779	45213	76844	73
24	04887	29260	69344	08501	35644	86945	69273	96928	99545	91750	79717	64255	86413	95970	50838	54752	60508	59389	19680	45067	74
25	01018	14208	38306	29620	03665	41237	57832	70908	14460	73408	36395	67450	21661	16438	88941	14123	31820	32414	38354	45046	75
26	30471	74265	67135	99673	80924	31134	10110	81281	38375	07820	74313	74328	01810	20969	93245	05679	58095	43790	93176	28436	76
27	11950	43523	89617	16129	90678	71041	53837	02676	14683	92806	70636	14807	65761	50896	52231	39130	06200	29710	96011	17916	77
28	83617	36928	71900	32512	92732	45841	74363	23123	09095	74683	06398	40699	70470	59534	78332	40963	66372	34725	50342	98309	78
29	43574	92777	70803	90197	67036	48907	69820	93717	95246	88343	23484	59391	11130	49063	51969	59172	14557	48603	94659	70449	79
30	46297	32119	31083	49450	64342	27066	34854	59853	08447	45787	02647	49034	58877	53077	94097	25227	76389	02570	47071	86749	80
31	22125	86612	47237	52807	39616	89517	28312	07926	70771	75057	77302	99852	69704	75662	71092	98863	13314	65571	63276	63632	81
32	19451	03428	27164	18683	43417	14574	44251	07540	97718	76197	31706	94374	10567	91892	35621	86425	09203	68394	24668	33599	82
33	45445	08570	51374	19498	36593	11182	74664	09352	10444	97627	14746	88586	61138	94332	57706	66966	71194	90172	09818	50412	83
34	23552	08970	38168	02118	43263	03680	14672	32969	41589	67171	62684	21750	72531	11799	31803	38330	01699	45761	77775	81002	84
35	35244	33196	72380	23937	84819	15965	69348	14873	49778	09539	42829	60069	30980	15905	56131	89143	13104	36056	52101	41612	85
36	71897	97071	48503	00224	92643	71980	87563	74033	04737	27553	95019	78635	36987	58439	61519	43401	31521	86817	11368	57209	86
37	76789	68626	06769	86898	62289	59973	81115	43047	41914	84331	10670	12879	71212	94830	59011	30255	09669	50273	81988	93888	87
38	47257	43423	67393	92789	90615	32301	05818	79451	23335	09824	51884	46118	33027	34139	04164	05943	45579	15808	81261	07646	88
39	34132	61523	13792	99715	53736	26013	33941	55170	45443	60284	56719	27740	35867	52497	41772	79210	25252	23865	56994	82138	89
40	94545	28139	67135	46301	06509	94217	05865	27826	16137	32295	20956	34020	48129	01476	71828	07260	75711	10985	86160	15251	90
41	02101	80682	23474	19408	82823	76191	23888	07473	86110	87571	96789	72326	94903	46537	12239	65546	68501	23218	50799	58484	91
42	46573	56423	16823	12486	34185	21891	08916	57575	95413	80235	92294	89803	31340	53772	33338	71194	39009	76919	43347	68043	92
43	46112	10806	03696	99104	56115	41097	57225	17691	99359	29949	74269	32803	68513	97003	98831	52699	74179	12542	50249	96530	93
44	52564	71017	01001	12067	96464	39800	54595	52279	82609	33142	12527	77083	60539	78599	63066	58257	81891	78195	66799	01230	94
45	22418	04614	97184	51260	38041	17871	78767	67311	19460	33225	13039	82651	70741	41560	72983	25413	64857	99203	95239	04498	95
46	15249	97674	00668	99900	61131	04691	16529	13642	00074	91060	12436	33846	58707	84225	59145	92339	97910	34747	18784	54600	96
47	65048	80666	45080	18312	71946	42516	09371	47528	81669	89566	23849	64085	12638	52216	63387	82233	01300	53924	75981	24659	97
48	65687	28627	72744	26208	05349	18879	88275	99229	07122	33109	60013	99652	89388	53288	86523	53834	40636	64828	14735	45896	98
49	49544	45450	95351	69492	62529	84324	99713	02048	18216	05416	58235	87522	19020	64921	33277	70223	73166	61149	50239	09692	99
50	15652	90383	10325	58602	53946	70788	68524	98026	97463	12455	12623	62581	73156	09323	52360	42873	68372	04040	13885	58112	00

#	11050	11100	11150	11200	11250	11300	11350	11400	11450	11500	11550	11600	11650	11700	11750	11800	11850	11900	11950	12000	#

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FINAL FIVE DIGITS:

#	12001	12051	12101	12151	12201	12251	12301	12351	12401	12451	12501	12551	12601	12651	12701	12751	12801	12851	12901	12951	#
01	74536	43988	51758	02119	28248	18781	21090	00991	05968	70171	89619	83856	69995	87393	65947	27939	92503	55221	22452	85967	01
02	20230	02757	06168	46380	81844	77562	04320	83673	98579	25499	14556	15776	43004	44994	12198	74759	55552	37461	78012	97681	02
03	01275	49323	63931	83624	75660	44011	05299	63150	85556	43423	47957	86332	39852	56269	10249	00436	16134	56156	29253	44353	03
04	65790	28998	52402	09913	02006	41735	27342	76951	77162	67690	53379	96560	09720	76777	73377	46919	42398	72020	70433	57750	04
05	19081	63714	73691	60065	94495	02864	70206	24361	81119	17179	10918	79876	98720	85373	67265	63309	54373	55107	17127	51234	05
06	67385	85692	14900	63212	37968	96453	07480	33575	10854	93024	71969	73019	79982	29071	58345	96190	14410	34783	05454	34507	06
07	28554	06492	27815	36107	89266	87446	38862	46761	63120	42167	53786	36184	42607	64822	41789	79671	94521	70333	53771	50661	07
08	26529	55615	49544	49415	32027	19401	49520	53821	29547	56371	56787	07609	14824	76427	99741	92274	56906	36208	83184	47105	08
09	68320	76007	97778	55147	71278	84734	80874	19559	74895	87605	33361	71595	00434	43784	69985	25452	94102	43965	24518	19379	09
10	57823	90204	42416	74866	08684	85092	23837	45100	22106	21065	89896	07574	20973	07489	99488	95533	12903	64754	49315	81358	10
11	61095	80884	62545	46168	54436	86394	48198	24427	01931	77374	60937	30111	50191	07192	50047	01834	53954	55915	86800	14171	11
12	60995	33901	03684	67438	76443	52682	51992	00247	25914	50653	34672	12691	28320	90306	19981	34463	08127	75318	22753	27736	12
13	89270	40166	27220	81781	41752	67007	92092	08004	96202	78951	44369	15250	35310	15015	08814	85154	78654	73899	94890	57283	13
14	80319	48250	28356	69410	79535	00684	86206	66020	99571	89829	79949	39951	48593	99268	00429	31553	15855	00505	40697	87057	14
15	57951	42169	76457	20378	14786	03196	46266	85582	48735	35987	40312	98285	06862	55525	84384	08529	17816	37290	43227	74701	15
16	76109	79343	78852	17482	13488	09692	38729	20544	97900	36640	22062	69341	27774	36685	71027	87533	75107	57979	11219	89512	16
17	13757	47558	09230	59061	54476	30735	44665	87015	68421	21752	63191	47391	88903	57365	30124	12523	43665	33080	27352	34976	17
18	97867	23826	25325	97053	45113	62135	95230	55118	15225	85321	73002	79300	27459	91201	69442	09809	23534	12782	65332	38039	18
19	67268	01517	95010	10417	53857	54957	34951	22004	60923	09988	26628	35254	34301	50735	99673	90319	57196	09074	79161	72289	19
20	94334	99126	78039	07959	10257	14398	22208	52563	28976	61692	07357	60042	99060	60788	58691	03009	27230	42439	06038	94416	20
21	50227	01581	81950	20187	01487	42978	33169	06454	03477	48256	02893	09686	90246	18410	03865	03409	46968	65817	14138	07696	21
22	56956	11369	92482	16097	09082	74536	52052	71833	59029	37575	05800	62887	25226	01505	29405	14853	29648	14956	14726	05523	22
23	47604	12531	15214	28515	99596	54142	96810	24472	28451	10868	37255	65787	63753	02498	12585	69713	93935	34602	08851	91853	23
24	92688	02714	59560	30406	29016	90303	34311	52030	56346	28400	42668	40853	04119	52026	35603	01709	16658	04039	93281	66128	24
25	55800	85554	60645	12206	00678	23993	53486	05940	16633	22323	53615	41867	54398	46436	73841	63885	66575	47722	20804	61253	25
26	31439	33224	81928	54723	19601	19586	92796	33645	09841	36904	09426	03931	11128	85554	88721	95838	48429	70224	84340	03843	26
27	18998	73808	76853	29739	03134	64860	38145	40327	34811	03276	61305	42680	60390	56592	18957	90086	53333	95805	72614	98952	27
28	47031	75073	99393	24659	86386	19025	01956	27074	27350	52528	12644	94939	47337	06005	89261	71330	70879	14704	97341	76059	28
29	34406	73392	08919	80038	52138	77939	90575	67817	22405	38995	05510	10877	39721	83492	87664	21494	02528	75561	71157	31368	29
30	01475	94903	73121	52471	63270	52722	32670	64778	94685	58906	77425	98284	50656	23293	45501	44717	75814	45353	26946	09549	30
31	96096	43339	11528	03133	59108	10378	02457	98290	63800	83500	46146	53134	24821	28568	42676	77370	05299	07565	46932	92779	31
32	89326	95312	14155	74983	14060	91936	71202	21726	79393	58513	30111	84685	51101	89549	41098	64637	00803	50709	29740	07435	32
33	22595	89312	77904	07922	91243	97459	17023	39717	89448	58772	79990	21866	06952	19371	73296	38532	72884	08785	43641	64890	33
34	64520	42849	71330	12533	23679	41068	89346	45657	02348	48558	83581	52159	99756	26993	47556	11625	46494	36057	42135	00148	34
35	28313	77527	32093	58281	32809	71338	38176	02721	47345	05597	82099	18323	85527	93536	41239	83630	76775	42134	18913	45706	35
36	05932	05456	99770	95400	19312	30965	25352	01549	60973	57631	31411	40802	16217	78274	75729	52685	70014	27086	54443	23911	36
37	97862	30863	29516	90100	85048	86314	99980	78385	62861	89792	17228	67252	57206	14999	50804	74850	68256	03622	00544	85006	37
38	79150	64542	65048	06620	49253	34318	19103	22403	83471	25261	18605	23572	29841	64832	36515	83291	13735	56340	22494	55435	38
39	18749	37447	04577	15696	16387	20052	27365	65847	10734	21452	59459	45153	41954	17140	14474	12295	61495	45077	72463	68796	39
40	84558	39797	62475	15769	98777	26125	04416	02579	69549	08482	04550	81869	88252	31718	66749	88779	00033	62186	08587	21441	40
41	65716	78564	51849	34772	52197	34117	83335	31928	05305	31818	95845	30427	63084	99802	13169	76924	71766	65187	71931	25477	41
42	99867	16685	63625	02893	60387	84314	96691	84201	98103	63981	94838	82642	27444	11535	68049	53210	66080	03975	19548	15670	42
43	42152	82456	88046	17661	86205	25009	70604	14947	81290	52692	05525	27496	36215	37930	03527	64393	32443	44406	43852	67580	43
44	35750	55806	99160	04046	24197	90307	66211	64912	96517	57865	90800	19432	80905	50204	24333	14289	20781	53782	75444	73674	44
45	14340	80141	15111	38500	22528	74703	06882	14538	43687	53473	82026	62972	79429	62601	94478	73170	63245	76122	06421	66406	45
46	88904	19017	50484	54472	51593	58942	40863	12394	21205	37387	26245	10849	68695	20025	16812	74605	30499	54537	38815	77462	46
47	54791	32151	11216	15952	22965	33668	00705	36165	67964	52342	67167	86658	55730	05910	54067	16602	63671	70095	79844	65450	47
48	32000	21222	93402	83871	86161	19943	52496	84430	35430	50052	58414	56396	42728	56682	38411	48665	95875	52449	08488	21066	48
49	28592	14234	71851	12816	02234	76534	52152	21638	16289	18902	56275	62825	48521	59754	64532	36643	08472	46427	26159	37884	49
50	03845	44975	37794	36777	85756	65742	42677	93152	91709	25756	97123	13755	49044	82349	12502	80577	71871	25671	42730	97514	00

#	12050	12100	12150	12200	12250	12300	12350	12400	12450	12500	12550	12600	12650	12700	12750	12800	12850	12900	12950	13000	#

H.J.J TE RIELE, "TABLES OF THE FIRST 15000 ZEROS OF THE RIEMANN ZETA FUNCTION TO 28 SIGNIFICANT DIGITS,
AND RELATED QUANTITIES", MC REPORT NW 67/79, MATHEMATICAL CENTRE, AMSTERDAM, JUNE 1979

FINAL FIVE DIGITS:

#	13001	13051	13101	13151	13201	13251	13301	13351	13401	13451	13501	13551	13601	13651	13701	13751	13801	13851	13901	13951	#
01	63286	44173	46274	58487	54863	22148	97392	89610	37247	64332	31837	47204	87624	86933	84784	45046	37218	20384	02550	13479	01
02	09385	32587	77722	69315	30040	98437	47518	00035	27251	73647	12094	75487	30261	67321	93459	49401	25736	44331	66047	04482	02
03	23755	27034	99197	71718	85687	59714	49100	51578	57798	20858	80257	51130	09552	65570	72074	37405	91159	98716	95950	86410	03
04	09085	59991	78552	51421	40596	40504	67141	45999	17990	11332	64409	80619	51907	72691	83407	74559	69548	65084	68562	27390	04
05	17516	92756	73969	95348	46328	60106	32340	86267	77963	90999	51757	31545	61459	33758	37706	75794	08355	24599	36309	70047	05
06	28625	23570	50579	93279	28729	16600	27730	48183	82559	49730	12587	18811	27483	28260	43031	84553	69899	66285	62103	21830	06
07	67520	07025	87466	84466	23535	66739	09463	82994	30839	45144	36237	36370	14116	37874	35878	70873	50256	41356	98267	90091	07
08	25155	96637	97408	34747	31696	33299	98165	91913	10518	96142	92326	23367	90920	20655	68536	04152	95836	65977	37709	59836	08
09	01493	98306	56783	30147	21794	63134	71170	07354	84383	25112	68134	39967	70125	35959	97631	56304	58041	59016	59164	25065	09
10	23417	97695	73475	42635	14160	70627	07641	78704	09685	20838	01507	72671	98073	01212	98582	18948	57701	84330	38642	37876	10
11	64454	36487	94007	64234	46599	11509	55829	67995	81793	71049	60641	83310	56060	43958	84963	43632	17759	17787	43452	54341	11
12	64115	43913	87623	53448	50662	29614	26789	59311	19412	02012	04662	82783	92725	77093	41142	72532	06199	27455	76212	82060	12
13	08121	18410	84313	83932	99639	37498	88316	92507	89118	88433	84196	39242	46541	94224	85335	39944	77063	77456	17451	97992	13
14	31942	53894	85082	69715	30565	40683	88846	97764	52224	12601	43471	11589	85281	16830	04908	60438	60880	59702	82432	67358	14
15	05877	05735	93854	25417	20047	07179	12529	49434	74868	61370	04501	80053	33575	26966	21371	57471	50143	34972	78570	29459	15
16	43135	72912	43435	99841	23837	40801	30447	68588	83259	78345	78173	65407	06358	99000	27633	19203	55305	74562	12520	32258	16
17	65568	35359	27259	00393	52426	78188	72961	14687	51497	15454	90678	99722	98746	95168	61345	36126	21251	40693	39995	55863	17
18	88538	99174	55239	69885	56063	46724	89102	21128	60670	82714	24761	99930	15321	11991	06761	67146	34723	27143	65069	69932	18
19	54957	79064	11564	83952	36200	62814	96043	28322	31875	07651	83826	32674	70916	48454	59851	15912	95758	64606	00438	80269	19
20	45634	60522	66471	42858	28526	66095	45957	58997	01376	78317	96043	70950	15212	29146	16254	96071	14996	87497	57570	07803	20
21	98372	71040	19655	36398	93899	04670	34132	53114	93408	57483	95745	79214	04471	99036	95755	44325	60482	63799	78386	10801	21
22	92498	17564	00411	79402	34768	24337	64011	65388	07595	72344	71139	61528	97401	44635	34465	92606	38531	66756	66397	09089	22
23	25063	04686	75452	21056	19953	90478	41083	80265	86286	17318	99348	53622	64747	48560	13451	87392	28995	76408	89203	97519	23
24	94388	57430	91226	72088	66452	49633	81258	76437	35699	81208	59385	64650	73982	38835	32309	32072	13509	78488	70163	56263	24
25	32279	64479	59411	26193	20174	45656	46403	21935	81202	25419	76831	54507	70219	69354	35126	20812	93152	32919	21901	24383	25
26	83427	99383	80677	78677	84211	03168	86636	92998	52234	05078	92695	05768	07073	88111	86715	67276	11701	66893	52471	08905	26
27	76159	57109	74244	52033	29233	36396	43126	57979	25569	48551	49518	51329	90691	63617	38841	53587	54857	59273	68602	52710	27
28	51566	34865	32659	72587	18941	59542	95944	69676	09985	94961	16842	19518	09661	05551	47526	78707	66293	25187	83453	87597	28
29	43503	50526	23789	40400	67247	74359	37847	43526	20577	38445	87127	53953	77299	19745	28561	42294	09141	01910	66362	75015	29
30	53735	17062	35037	71320	01667	18605	34429	13202	01986	29491	20463	55218	59754	79418	49613	55293	42134	82427	11294	93055	30
31	97091	58977	47438	28374	78363	29677	62642	67898	10315	36770	81380	43022	45023	81693	32515	03296	55285	49886	34503	76341	31
32	01479	07376	22277	18724	30710	08842	90577	64313	87747	96972	19833	55672	58631	24874	97734	15900	19533	03914	80564	33383	32
33	13463	92504	24194	89262	66584	68787	81467	46473	93868	82840	29993	57648	60985	03375	54095	86591	18418	34315	92653	74604	33
34	40089	77884	69288	73453	43321	02420	55292	87726	74335	27062	00688	40758	46044	74603	54286	19673	07430	64762	55341	74479	34
35	59167	15943	64581	64996	41249	90135	18353	86308	43235	11005	62865	90513	36855	32951	67835	68751	23201	53714	12750	92131	35
36	39342	66265	16023	30322	65857	28341	40919	72152	94991	18076	69006	03554	48516	18405	20745	69598	37214	52406	19612	55441	36
37	74773	11633	24079	25399	51373	57085	40646	00127	12406	48269	48704	90038	25653	93356	95985	42101	15149	94256	47940	44067	37
38	97718	70075	01749	73498	62554	04110	70042	30941	28301	24491	26622	90466	09994	51552	00840	79240	81635	54918	07804	57727	38
39	87289	06438	08359	44770	39402	74902	15911	67675	89240	57250	36031	71350	23644	90074	38297	03466	76139	09491	29431	12649	39
40	20054	38645	61285	06465	96415	13436	74970	06243	14673	40484	12916	62945	71978	15693	35947	33503	42138	24684	03141	99156	40
41	91470	77120	65560	63188	37107	85562	12003	19620	57224	58732	51677	98945	63535	25840	38461	59356	19721	72413	07937	73202	41
42	97548	65581	76107	85749	32965	28186	62367	59580	47298	44835	78926	61615	38672	39752	70746	66735	54893	04995	46314	13842	42
43	01387	82425	78859	64537	39062	42114	01593	51055	20517	95444	11421	35478	03729	57284	24789	47152	85286	18376	42980	61481	43
44	85662	28703	62501	73367	10150	49261	80303	22625	05404	00113	26651	87377	66485	17937	60625	28789	27074	71736	18645	37224	44
45	08184	27881	75533	33609	74838	75115	70292	67506	80640	78291	03717	75746	84012	31607	04869	83968	34713	52511	30278	21213	45
46	35890	63446	22289	70015	10571	78665	94297	56479	43631	00502	40982	79808	28044	98491	91258	27323	68235	40140	97572	51917	46
47	78532	45089	11824	85779	47806	27158	95415	37063	89174	61700	09467	02995	74157	00267	05394	64986	71096	62010	02875	11128	47
48	32408	42372	35574	11280	52078	29308	86658	85614	65037	46643	47131	41086	62584	43530	05901	54312	94438	30353	68090	85733	48
49	47368	55618	90873	60866	15297	08924	87580	88152	21084	93132	67431	34864	82960	10807	86016	30146	40205	29210	19078	02940	49
50	54661	77286	90804	03055	29245	66997	59931	09463	47380	19521	29438	09977	62686	59008	28797	37741	08242	46818	57514	25419	50
#	13050	13100	13150	13200	13250	13300	13350	13400	13450	13500	13550	13600	13650	13700	13750	13800	13850	13900	13950	14000	#

H.J.J TE RIELE, "TABLES OF THE FIRST 15000 ZEROS OF THE RIEMANN ZETA FUNCTION TO 28 SIGNIFICANT DIGITS, AND RELATED QUANTITIES", MC RSPORT NW 67/79, MATHEMATICAL CENTRE, AMSTERDAM, JUNE 1979

FINAL FIVE DIGITS:

#	14001	14051	14101	14151	14201	14251	14301	14351	14401	14451	14501	14551	14601	14651	14701	14751	14801	14851	14901	14951	#
01	42686	99554	96633	68998	07310	50694	95279	27785	96910	17755	28309	33216	68454	35486	06895	96436	19237	47788	59225	26537	51
02	10647	96979	08363	89875	14882	46626	38734	77555	72008	45058	31500	40857	58741	75030	59502	43638	65304	90809	38894	84271	52
03	70043	71578	46553	11793	78667	39877	93193	47421	99715	23886	30969	22145	92557	96795	85745	10261	32943	60663	99878	50633	53
04	69174	90323	83030	29054	84610	00173	10734	59811	16372	67833	15935	70419	94063	27129	71587	57515	14832	39547	93340	25023	54
05	77446	12843	49532	18347	58579	82382	21823	84188	96305	71525	93869	07140	44216	44111	46226	67911	90417	47670	14234	47453	55
06	06232	07319	25195	31325	02461	81100	31962	77954	03475	54229	66955	72120	56768	94241	11247	67999	62517	99693	36571	20398	56
07	58384	03887	34716	15887	13189	62490	73794	42395	22721	43595	18046	34752	17767	33185	90614	24895	52246	48164	04831	89240	57
08	71211	92107	23247	78879	76921	43911	40753	42397	16830	53835	10695	34011	25545	86878	53909	38467	55752	23756	28701	30265	58
09	89015	67722	70420	80352	78529	15762	38712	77727	43284	70679	43733	40467	71117	66040	21034	11853	43830	87566	04718	72889	59
10	86733	49180	83544	54503	05074	65107	04919	65577	52179	31478	96465	18644	49551	64306	41397	43969	21817	54555	57350	56890	60
11	42006	07102	93207	22536	05476	72666	28629	59413	70208	68803	83900	15894	64749	81532	90293	65555	12904	45148	30034	42062	61
12	17569	61074	61313	44953	69887	06172	25620	23589	28356	98786	44468	18562	39650	68260	62279	47055	44587	40972	87589	74245	62
13	56808	11447	13303	44160	77658	47167	89225	39497	39095	70493	10320	19290	18963	37337	83134	92172	76574	17713	97655	81052	63
14	88297	13071	11011	40482	92967	97516	63906	45163	60075	98202	15490	44057	81012	78995	27722	50741	16388	74407	74575	01576	64
15	12634	09473	40107	36314	85346	45215	17172	79956	13855	97215	44450	29953	14526	77419	96294	11049	97775	65373	07474	42703	65
16	51877	63444	86125	59702	72874	36507	56016	00997	51272	71304	01426	50276	91747	90404	96654	85022	02214	74553	43075	77900	66
17	34537	34528	39266	50304	53616	82807	65237	65496	16101	71076	76600	68982	21144	41977	06095	03491	03813	39547	95714	20331	67
18	20562	94250	59523	01587	76296	65832	35054	63259	18049	43459	79409	42113	79326	78996	55563	45753	22346	11663	37564	24097	68
19	34417	28287	67400	54854	55139	67185	02531	33873	50827	87287	21400	49339	98285	00289	61420	27021	53330	41979	58852	01386	69
20	87592	86647	49885	12553	00567	54879	87139	33750	40819	21323	56236	05018	66019	30202	29889	83650	29071	52629	90984	73187	70
21	72183	33776	90410	74276	67674	64501	43409	20056	53066	16080	59345	55819	75379	71673	64399	42654	76827	77444	66907	48435	71
22	08236	31985	00298	47268	03172	61328	29251	28343	66301	13247	43689	45786	23675	13329	99803	89035	93220	69691	14629	49593	72
23	73454	67337	31362	84813	51304	27724	55804	69475	01483	63215	66520	16981	50785	93917	68343	74334	17428	04801	44559	23353	73
24	09456	51130	24433	71966	57334	97602	37469	56845	95709	76979	13066	31734	91047	67805	04467	60209	13965	25123	85170	38379	74
25	18728	69001	36651	45525	65488	31211	74383	87232	83584	51703	29072	55596	93844	12356	04529	02408	34211	48258	20110	03638	75
26	39401	30089	61532	46878	71037	69948	05131	21519	58808	10631	20079	45875	22244	14526	06158	67581	92120	47773	69651	57975	76
27	18103	01709	88753	85010	27959	13026	18006	84030	74407	03946	55312	01685	78773	23643	06837	15817	37435	31757	12544	82181	77
28	71633	10166	90004	08472	58270	74449	34325	21081	09563	14456	02355	52464	50786	15346	08893	82429	53393	82112	35582	94505	78
29	90993	25353	15787	73494	42786	55213	10713	05818	27278	04090	62013	15898	58139	02426	84196	18309	65636	82356	72840	56388	79
30	07990	03814	26451	63099	90102	56243	83319	06763	66312	95495	00075	36003	24108	44709	95748	88431	99290	38526	82248	37659	80
31	04553	31551	21237	62399	67771	53933	59702	31173	21066	92590	83780	58172	17441	05498	46365	51245	07185	93144	49263	19225	81
32	14686	75854	89521	30352	08419	34282	40127	18655	99860	14785	53054	36696	59650	53455	82748	21196	22531	10939	94439	06265	82
33	55188	45797	12574	14015	97107	11622	59629	93538	76877	89022	03063	01143	45879	74654	95540	71741	22038	03906	20687	32577	83
34	97691	18265	91484	76186	34601	43872	08838	44643	63847	44591	47982	60297	71779	00205	61397	10368	43123	47081	83844	08101	84
35	71189	55936	72750	22293	35671	13701	91799	98815	07182	49916	86151	42539	13550	41838	66641	79985	52501	81880	07526	82255	85
36	04132	52436	73836	22943	30485	76694	12035	57806	81370	29538	55017	42472	92887	04430	01389	38522	90942	77444	02643	56291	86
37	71987	17392	55749	84504	45104	19615	25704	75513	63569	43595	27753	97492	24567	20690	28047	24986	04994	59109	23145	17477	87
38	40138	53395	45452	26998	23878	31185	87775	25032	36999	12365	89108	58606	71537	43347	43783	89534	22528	76915	50472	31816	88
39	68237	90512	90573	41299	22904	31967	25292	32910	57061	45268	61508	38836	74180	91162	07890	00880	78298	05699	43131	60362	89
40	96435	84277	79564	59054	42108	26519	32077	58765	60950	67361	95774	95957	40911	90219	99248	70354	57046	93288	50106	99966	90
41	00018	63819	09979	64692	83702	94351	32464	85261	53335	65866	31736	41952	78753	75721	18716	45219	72605	54993	83051	75748	91
42	55436	87080	09487	62813	05722	80755	55829	00180	25158	28474	55713	51089	68892	60234	36572	80223	41946	07098	67388	28787	92
43	51939	35824	57984	04240	62892	50062	50979	04596	62885	95741	53799	55974	34605	37031	56286	44341	80768	56785	33819	62086	93
44	31485	26313	44341	00387	75619	57382	78649	41628	64356	15840	10157	13241	70117	08100	16560	84971	99675	90899	44428	55464	94
45	00835	00302	81343	32906	69235	44733	21333	49035	72232	19595	45239	44978	24115	62227	09949	55728	37221	31775	55720	78593	95
46	49449	80561	42231	64513	21212	35056	37677	54186	71484	46356	34509	74642	52540	20080	94008	47382	85368	19627	42462	54112	96
47	73174	00325	42020	71418	33450	51615	48445	55298	07543	42613	66922	75933	67301	10007	23150	54369	96424	05319	79358	25534	97
48	27279	43791	50084	03104	55501	28631	27712	86338	14000	84099	91307	10375	35661	40725	33503	74086	00271	05411	64046	17476	98
49	34194	34879	80071	20493	70855	15908	55259	42117	70697	82549	48098	98307	87644	53997	83021	52036	36656	87008	33875	39580	99
50	18244	05901	96580	35948	05730	53019	83049	59519	73172	72286	62149	57892	35015	80261	84147	09563	41450	03063	22242	47920	00

#	14050	14100	14150	14200	14250	14300	14350	14400	14450	14500	14550	14600	14650	14700	14750	14800	14850	14900	14950	15000	#