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~VERSION INFORMATION
VERS.          1.2   :CWLS Log ASCII Standard - VERSION 1.2
WRAP.           NO   :One Line per depth step
PROD.  Schlumberger  :LAS Producer
PROG.  DLIS to ASCII 17C0-152                       :LAS Program name and version
CREA.    2011/12/01 00:54                           :LAS Creation date {YYYY/MM/DD hh:mm}
DLIS_CREA.  2011-Nov-29 15:29                       :DLIS Creation date and time {YYYY-MMM-DD hh:mm}
SOURCE.  c7c2a11e-cf5c-40c1-8a87-0946b74e7cf1       :DLIS File Name
#---------------------------------------------
~WELL INFORMATION
#MNEM.UNIT       DATA                 DESCRIPTION
#---- ------  --------------   ------------------------------
STRT .F      147.5000        :START DEPTH
STOP .F      8102.5000       :STOP DEPTH
STEP .F        0.5000        :STEP
NULL .          -999.25      :NULL VALUE
COMP .                  COMPANY:  Energlus Resources USA Corp.
WELL .                    WELL:  Tanner 1-8HG
FLD  .                   FIELD:  Wildcat
LOC  .                LOCATION:  Latitude: 39.3951 N
CNTY .                  COUNTY:  Preston
STAT .                   STATE:  West Virginia
CTRY .                COUNTRY:
SRVC .          SERVICE COMPANY:  Schlumberger
API  .                API NUMBER:  47-077-00582
DATE .                LOG DATE:  29-Nov-2011
UWI  .             UNIQUE WELL ID:  47-077-00582
#---------------------------------------------------------------------------
~PARAMETER INFORMATION
#MNEM.UNIT    VALUE                       DESCRIPTION
#---- -----  ----------------------------  -----------------------------
CN   .        Energlus Resources USA Corp. :Company Name
WN   .        Tanner 1-8HG                :Well Name
FN   .        Wildcat                     :Field Name
FL   .        Latitude  39.3951 N         :Field Location
FL1  .        Longitude  -79.5133 W       :Field Location Line 1
COUN .        Preston                     :County or Rig Name
STAT .        West Virginia               :State or Province
NATI .                                    :Nation
DATE .        29-Nov-2011                 :Date as Month-Day-Year
APIN .        47-077-00582                :API Serial Number
SECT .        Laurel Run                  :Section
TOWN .        Portland                    :Township
RANG .        Terra Alta WV 7.5'          :Range
DMF  .        Kelly Bushing               :Drilling Measured From
LMF  .        Kelly Bushing               :Log Measured From
PDAT .        Ground Level                :Permanent Datum
ENGI .        Alexandr Finko              :Engineer's Name
WITN .        Dwight Fisher               :Witness's Name
LATI .                                    :Latitude
LONG .                                    :Longitude
LUL  .        Weston                      :Logging Unit Location
LUN  .             3149                   :Logging Unit Number
RUN  .        2A                          :Run Number
SON  .        BYA5-00008                  :Service Order Number
BHT  .DEGF     125.00000                  :Bottom Hole Temperature (used in calculations)
BS   .IN         8.50000                  :Bit Size
MDEN .G/C3       2.71000                  :Matrix Density
DFD  .LB/G       9.70000                  :Drilling Fluid Density
DFV  .S         31.00000                  :Drilling Fluid Viscosity
DFL  .                                    :Drilling Fluid Loss
RMFS .                                    :Resistivity of Mud Filtrate Sample
EKB  .F       2545.00000                  :Elevation of Kelly Bushing
EGL  .F       2520.00000                  :Elevation of Ground Level
BLI  .F       8060.00000                  :Bottom Log Interval
BSAL .PPM        0.00000                  :Borehole Salinity
FLEV .F          0.00000                  :Fluid Level
MCST .                                    :Mud Cake Sample Temperature
MFST .                                    :Mud Filtrate Sample Temperature
MMT  .DEGF     125.00000                  :Maximum Recorded Temperature
MST  .DEGF     122.00000                  :Mud Sample Temperature
RMCS .                                    :Resistivity of Mud Cake Sample
RMS  .OHMM       0.03910                  :Resistivity of Mud Sample
RW   .OHMM       1.00000                  :Resistivity of Connate Water
TDD  .F       8078.00000                  :Total Depth - Driller
TDL  .F       8087.00000                  :Total Depth - Logger
TLI  .F       2500.00000                  :Top Log Interval
HIDE .        Platform Express            :Header Identifier
MATR .        LIME                        :Rock Matrix for Neutron Porosity Corrections
FNUM .           1.00000                  :Form Factor Numerator
FEXP .           2.00000                  :Form Factor Exponent
DFT  .        Brine                       :Drilling Fluid Type
DFPH .                                    :Drilling Fluid PH
MCSS .                                    :Mud Cake Sample Source
MFSS .                                    :Mud Filtrate Sample Source
FD   .G/C3       1.00000                  :Fluid Density
MSS  .        HRLA measured               :Mud Sample Source
OS1  .        Compensated Neutron         :Other Services Line 1
OS2  .        Litho Density               :Other Services Line 2
OS3  .        CBL/VDL                     :Other Services Line 3
OS4  .        PMI                         :Other Services Line 4
OS5  .        GPIT                        :Other Services Line 5
R1   .                                    :Remark Line 1
R2   .        Tool string as per tool sketch :Remark Line 2
R3   .        Presentations as per client request :Remark Line 3
R4   .                                    :Remark Line 4
R5   .                                    :Remark Line 5
R6   .                                    :Remark Line 6
R7   .                                    :Remark Line 7
R8   .                                    :Remark Line 8
TCS  .        12 00                       :Time Circulation Stopped
TLAB .        10 25                       :Time Logger At Bottom
NMT  .        NOBARITE                    :HILT Nuclear Mud Type
EPD  .F         2520.000000               :Elevation of Permanent Datum above Mean Sea Level
APD  .F           25.000000               :Elevation of Depth Reference (LMF) above Permanent Datum
#---------------------------------------------------------------------------
~CURVE INFORMATION
#MNEM.UNIT   API CODE                                 DESCRIPTION
#---- -----  --------                                 -----------------------------
DEPT .F                                               :DEPTH (BOREHOLE) {F12.4}
CDF  .LBF                                             :Calibrated Downhole Force {F11.4}
CFTC .HZ                                              :Corrected Far Thermal Counting Rate {F11.4}
CNTC .HZ                                              :Corrected Near Thermal Counting Rate {F11.4}
CTEM .DEGF                                            :Cartridge Temperature {F11.4}
DCAL .IN                                              :Differential Caliper {F11.4}
DI_HRLT.IN                                            :HRLT Computed Diameter of Invasion {F11.4}
DNPH .CPCF                                            :Delta Thermal Neutron Porosity {F11.4}
DPHZ .CFCF                                            :HRDD Standard Resolution Density Porosity {F11.4}
DSOZ .IN                                              :HRDD Standard Resolution Density Standoff {F11.4}
ECGR .GAPI                                            :Environmentally Corrected Gamma-Ray {F11.4}
ECST .DEGF                                            :ECS Temperature {F11.4}
GDEV .DEG                                             :HGNS Deviation {F11.4}
GR   .GAPI                                            :Gamma-Ray {F11.4}
GR_EDTC.GAPI                                          :EDTC Gamma Ray {F11.4}
GTEM .DEGF                                            :Generalized Borehole Temperature {F11.4}
HCAL .IN                                              :HRCC Cal. Caliper {F11.4}
HDRA .G/C3                                            :HRDD Density Correction {F11.4}
HDRB .G/C3                                            :HRDD Backscatter Delta Rho {F11.4}
HGR  .GAPI                                            :HiRes Gamma-Ray {F11.4}
HMIN .OHMM                                            :MCFL Micro Inverse Resistivity {F11.4}
HMNO .OHMM                                            :MCFL Micro Normal Resistivity {F11.4}
HNPO .CFCF                                            :HiRes Enhanced Thermal Neutron Porosity {F11.4}
HPRA .                                                :HRDD Photoelectric Factor Correction {F11.4}
HTNP .CFCF                                            :HiRes Thermal Neutron Porosity {F11.4}
MINV .OHMM                                            :Thermal Neutron Porosity (Ratio Method) {F11.4}
NPOR .CFCF                                            :Enhanced Thermal Neutron Porosity {F11.4}
PEFZ .                                                :HRDD Standard Resolution Formation Photoelectric Factor {F11.4}
PXND_HILT.CFCF                                        :HILT Porosity CrossPlot {F11.4}
QCPMT.                                                :Photomultiplier Tube Quality Control {F11.4}
RHOZ .G/C3                                            :HRDD Standard Resolution Formation Density {F11.4}
RLA0 .OHMM                                            :HRLT Borehole Corrected Resistivity 0 {F11.4}
RLA1 .OHMM                                            :HRLT Borehole Corrected Resistivity 1 {F11.4}
RLA2 .OHMM                                            :HRLT Borehole Corrected Resistivity 2 {F11.4}
RLA3 .OHMM                                            :HRLT Borehole Corrected Resistivity 3 {F11.4}
RLA4 .OHMM                                            :HRLT Borehole Corrected Resistivity 4 {F11.4}
RLA5 .OHMM                                            :HRLT Borehole Corrected Resistivity 5 {F11.4}
RM_HRLT.OHMM                                          :HRLT Mud Resistivity {F11.4}
RSOZ .IN                                              :MCFL Standard Resolution Resistivity Standoff {F11.4}
RT_HRLT.OHMM                                          :HRLT Computed True Resistivity {F11.4}
RXO8 .OHMM                                            :MCFL High Resolution Invaded Zone Resistivity {F11.4}
RXO_HRLT.OHMM                                         :HRLT Computed Invaded Zone Resistivity {F11.4}
RXOZ .OHMM                                            :MCFL Standard Resolution Invaded Zone Resistivity {F11.4}
STIT .F                                               :Stuck Tool Indicator, Total {F11.4}
TENS .LBF                                             :Cable Tension {F11.4}
TNPH .CFCF                                            :Thermal Neutron Porosity {F11.4}
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~A
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~A
     DEPT          CDF          CFTC          CNTC          CTEM          DCAL        DI_HRLT          DNPH          DPHZ          DSOZ          ECGR          ECST          GDEV            GR       GR_EDTC          GTEM          HCAL          HDRA          HDRB          HGR          HMIN          HMNO          HNPO          HPRA          HTNP          MINV          NPOR          PEFZ      PXND_HILT        QCPMT          RHOZ          RLA0          RLA1          RLA2          RLA3          RLA4          RLA5       RM_HRLT          RSOZ       RT_HRLT          RXO8       RXO_HRLT          RXOZ          STIT          TENS          TNPH
     147.5000      194.1030     184.6956     778.3481      82.5413      -4.4718      4.0206      -0.0033      0.4720      0.5321    269.5714     75.2549      1.5913    334.8069     69.2704     69.0396      4.0282      0.1859      0.6806    407.5439      0.0520      0.0381      0.6904     -0.5600      0.6284      0.6328      0.6499      5.8376      0.5246      0.2056      1.9029      0.0148      0.0142      0.0122      0.0111      0.0100      0.0226      0.0091      0.2290      0.0226      0.0427      0.0226      0.0422      0.0000   1128.0000      0.6206
     148.0000      204.0570     186.2958     778.3481      82.5413      -4.4832      4.0206      -0.0033      0.4720      0.5321    243.7632     74.8647      1.9958    302.9420     66.2084     69.0432      4.0168      0.1859      0.6806    335.3586      0.0520      0.0381      0.6904     -0.5600      0.6284      0.6328      0.6499      5.8376      0.5246      0.1407      1.9029      0.0148      0.0142      0.0122      0.0111      0.0100      0.0226      0.0091      0.2290      0.0226      0.0422      0.0000   1134.0000      0.6206
     148.5000      204.0570     183.8637     773.3480      82.5413      -4.4832      4.0206      -0.0033      0.4720      0.5321    162.2201     75.1807      1.5620    201.4769     63.5601     69.0467      4.0282      0.1859      0.6806    166.3695      0.0512      0.0377      0.5818     -0.5600      0.5687      0.6280      5.8376      0.5289      0.1424      1.9029      0.0148      0.0142      0.0122      0.0111      0.0100      0.0226      0.0091      0.2296      0.0226      0.0421      0.0000   1119.0000      0.6324
     149.0000      204.0570     196.5246     770.6377      82.5413      -4.4832      4.0168      -0.0031      0.4720      0.5321    105.5231     75.2549      1.9855    131.1411     54.4793     69.0502      4.0168      0.1859      0.6806    102.0806      0.0502      0.0370      0.5256     -0.5600      0.5327      0.6176      0.4909      5.8376      0.4939      0.1413      1.9029      0.0148      0.0142      0.0121      0.0107      0.0098      0.0207      0.0216      0.0412      0.0216      0.0406      0.0000   1109.0000      0.5325
     149.5000      199.0800     184.0031     783.1132      82.5413      -4.4832      4.0168      -0.0031      0.4720      0.5321     82.8492     75.2549      1.4969    113.6621     51.8310     69.0537      4.0168      0.1859      0.6806    123.7503      0.0517      0.0377      0.5130     -0.5600      0.4597      0.6099      0.6750      5.8376      0.5365      0.1573      1.9029      0.0149      0.0144      0.0125      0.0113      0.0102      0.0227      0.0090      0.2332      0.0227      0.0419      0.0227      0.0418      0.0000   1133.0000      0.6526
     150.0000      194.1030     191.7410     794.1830      82.5413      -4.4832      4.0168      -0.0034      0.4720      0.5321     78.6905     75.2549      1.8743     97.7944     46.0047     69.0573      4.0168      0.1859      0.6806    111.5071      0.0517      0.0377      0.6324     -0.5600      0.6085      0.6505      5.8376      0.5192      1.6061      1.9029      0.0148      0.0145      0.0158      0.0143      0.0130      0.0251      0.0090      0.2369      0.0251      0.0418      0.0251      0.0425      0.0000   1118.0000      0.6052
     150.5000      184.5045     186.5148     792.1385      82.5413      -4.4832      4.0168      -0.0032      0.4720      0.5321     77.3882     75.2549      1.3105     71.3205     48.7294     69.0608      4.0168      0.1859      0.6806    61.0870      0.0525      0.0386      0.6982     -0.5600      0.6512      0.5876      0.6319      5.8376      0.5347      1.1489      1.9029      0.0146      0.0146      0.0127      0.0116      0.0103      0.0228      0.0090      0.2312      0.0249      0.0430      0.0249      0.0423      0.0000   1123.0000      0.6484
     151.0000      208.6785     199.2570     795.3693      82.5413      -4.4718      4.0282      -0.0036      0.4720      0.5321     40.6501     75.2549      1.9249     50.4873     48.3773     69.0643      4.0282      0.1859      0.6806     44.7359      0.0527      0.0386      0.4459     -0.5600      0.5588      0.5529      0.5228      5.8376      0.5008      1.2074      1.9029      0.0147      0.0166      0.0139      0.0127      0.0114      0.0237      0.0089      0.2370      0.0237      0.0436      0.0000   1121.0000      0.5525
     151.5000      208.6785     205.7776     802.4799      82.5413      -4.4832      4.0168      -0.0037      0.4720      0.5321     37.1906     75.2549      2.0700     46.2195     54.7999     69.0678      4.0168      0.1859      0.6806     45.7826      0.0527      0.0386      0.5336     -0.5600      0.5345      0.5599      0.5153      5.8376      0.4912      1.6114      1.9029      0.0145      0.0156      0.0127      0.0115      0.0104      0.0223      0.0089      0.2397      0.0223      0.0434      0.0223      0.0433      0.0000   1114.0000      0.5246
     152.0000      184.5045     202.3304     798.3427      82.5413      -4.4832      4.0168      -0.0037      0.4720      0.5321     35.2493     75.2549      2.2294     43.8068     45.6719     69.0714      4.0168      0.1859      0.6806     47.9942      0.0528      0.0387      0.5375     -0.5600      0.5476      0.6044      0.5562      5.8376      0.4959      1.2484      1.9029      0.0146      0.0166      0.0142      0.0128      0.0115      0.0233      0.0089      0.2405      0.0233      0.0432      0.0000   1120.0000      0.5381
     152.5000      213.6555     193.6555     794.2626      82.5413      -4.4832      4.0168      -0.0035      0.4720      0.5321     35.3283     76.4255      2.2588     43.9050     43.1346     69.0749      4.0168      0.1859      0.6806     37.5635      0.0530      0.0387      0.6581     -0.5600      0.5981      0.6252      0.6040      5.8376      0.5138      1.2702      1.9029      0.0146      0.0166      0.0139      0.0127      0.0115      0.0236      0.0089      0.2399      0.0236      0.0432      0.0236      0.0432      0.0000   1125.0000      0.5901
     153.0000      179.5275     186.8852     797.4627      82.5413      -4.4832      4.0168      -0.0035      0.4720      0.5321     33.9055     76.4255      2.2505     42.1368     37.9256     69.0784      4.0168      0.1859      0.6806     36.8428      0.0530      0.0388      0.6564     -0.5600      0.6404      0.5949      0.6328      5.8376      0.5297      1.6637      1.9029      0.0147      0.0151      0.0129      0.0117      0.0106      0.0228      0.0089      0.2402      0.0228      0.0432      0.0000   1130.0000      0.5341
     153.5000      174.9060     196.3163     794.9805      82.5413      -4.4832      4.0168      -0.0035      0.4720      0.5321     33.5952     76.4255      2.2402     41.7512     39.6680     69.0819      4.0168      0.1859      0.6806     42.6895      0.0528      0.0388      0.6013     -0.5600      0.5766      0.5759      0.5569      5.8376      0.5074      1.3023      1.9029      0.0147      0.0157      0.0134      0.0122      0.0110      0.0234      0.0090      0.2417      0.0234      0.0436      0.0234      0.0432      0.0000   1109.0000      0.5717
     154.0000      213.6555     201.5012     803.7305      82.5413      -4.4832      4.0168      -0.0035      0.4720      0.5321     31.5438     76.4255      2.2506     39.2018     40.3940     69.0854      4.0168      0.1859      0.6806     36.5065      0.0526      0.0383      0.5614     -0.5600      0.5516      0.5963      0.5701      5.8376      0.5003      1.3208      1.9029      0.0148      0.0162      0.0133      0.0121      0.0110      0.0236      0.0090      0.2418      0.0236      0.0427      0.0236      0.0427      0.0000   1138.0000      0.5513
     154.5000      179.5275     200.0031     813.3132      82.5413      -4.4718      4.0282      -0.0035      0.4720      0.5321     33.7039     74.0844      2.1910     39.4193     39.9747     69.0891      4.0282      0.1859      0.6806     40.7973      0.0521      0.0381      0.6231     -0.5600      0.5746      0.5945      0.5753      5.8376      0.5088      0.7141      1.9029      0.0147      0.0157      0.0133      0.0123      0.0110      0.0236      0.0090      0.2415      0.0236      0.0426      0.0236      0.0427      0.0000   1130.0000      0.5757
     155.0000      213.6555     197.6497     806.5128      82.5413      -4.4832      4.0168      -0.0035      0.4720      0.5321     32.7790     74.0844      2.3690     46.9681     36.8113     69.0925      4.0168      0.1859      0.6806     50.6521      0.0522      0.0388      0.5192     -0.5600      0.5765      0.6061      0.5689      5.8376      0.5109      1.6619      1.9029      0.0147      0.0151      0.0131      0.0113      0.0092      0.0218      0.0090      0.2377      0.0218      0.0432      0.0218      0.0431      0.0000   1102.0000      0.5817
     155.5000      213.6555     193.5586     811.2607      82.5413      -4.4832      4.0168      -0.0033      0.4720      0.5321     30.6964     74.0844      2.3244     50.5764     35.5350     69.0960      4.0168      0.1859      0.6806     61.0870      0.0525      0.0389      0.5786     -0.5600      0.6108      0.5937      0.6013      5.8376      0.5256      2.2291      1.9029      0.0147      0.0153      0.0130      0.0118      0.0106      0.0228      0.0090      0.2404      0.0228      0.0435      0.0224      0.0435      0.0224      0.0434      0.0000   1118.0000      0.6233
     156.0000      184.5045     192.3477     804.3016      82.5413      -4.4832      4.0168      -0.0033      0.4720      0.5291     41.1320     74.0844      2.4110     51.1177     48.2933     69.0995      4.0168      0.1858      0.6827     50.6483      0.0528      0.0391      0.6430     -0.5986      0.6097      0.5915      0.6429      5.8287      0.5244      1.6426      1.9029      0.0147      0.0166      0.0139      0.0127      0.0114      0.0237      0.0089      0.2370      0.0237      0.0443      0.0231      0.0438      0.0000   1128.0000      0.6199
     157.0000      208.6785     200.2551     788.9369      82.5413      -4.4832      4.0168      -0.0033      0.4720      0.5272     40.8597     74.0844      2.4030     50.7742     59.4353     69.1031      4.0168      0.1858      0.6842     52.4268      0.0528      0.0388      0.5711     -0.6519      0.6038      0.5865      0.5940      5.8221      0.5203      1.2705      1.9029      0.0147      0.0149      0.0129      0.0116      0.0104      0.0229      0.0090      0.2391      0.0229      0.0437      0.0229      0.0436      0.0000   1121.0000      0.6576
     158.0000      189.4815     188.4162     773.9890      82.5413      -4.4832      4.0168      -0.0034      0.4714      0.5174     38.6198     74.0844      2.3380     47.9955     64.4259     69.1066      4.0168      0.1889      0.6877     51.5393      0.0527      0.0389      0.5895     -0.5895      0.5827      0.5148      0.5459      5.8039      0.4958      1.2484      1.9029      0.0146      0.0166      0.0142      0.0128      0.0115      0.0233      0.0089      0.2405      0.0233      0.0434      0.0233      0.0433      0.0000   1119.0000      0.5933
     159.0000      194.1030     181.4295     774.2817      82.5413      -4.4832      4.0168      -0.0031      0.4723      0.5143     37.4002     74.0844      2.4297     46.4799     59.3513     69.1101      4.0168      0.1884      0.6865     40.0702      0.0524      0.0386      0.6309     -0.6176      0.6656      0.6113      0.6874      5.8146      0.5389      1.7020      1.9024      0.0145      0.0138      0.0118      0.0106      0.0097      0.0223      0.0090      0.2353      0.0223      0.0435      0.0223      0.0434      0.0000   1110.0000      0.6584
     160.0000      208.6785     185.7229     781.2385      82.5413      -4.4832      4.0168      -0.0034      0.4736      0.5140      34.9937     74.0844      2.4160     45.2556     54.9747     69.1134      4.0168      0.1858      0.6832      46.6138      0.0524      0.0386      0.6315     -0.6201      0.6164      0.5786      0.7867      5.8215      1.3824      1.9002      0.0147      0.0145      0.0125      0.0115      0.0105      0.0228      0.0090      0.2356      0.0228      0.0432      0.0228      0.0432      0.0000   1134.0000      0.6911
     158.5000      199.0800     186.8160     775.2304      82.5413      -4.4718      4.0282      -0.0034      0.4743      0.5191      41.2635     74.0844      2.4660     51.2491     57.0899     69.1172      4.0282      0.1831      0.6801      49.2960      0.0519      0.0384      0.6241     -0.5190      0.6193      0.6274      0.6050      5.7372      0.5221      1.9648      1.8990      0.0147      0.0146      0.0128      0.0116      0.0104      0.0230      0.0090      0.2363      0.0230      0.0436      0.0230      0.0433      0.0000   1113.0000      0.6097
     159.0000      189.4815     186.1363     785.0151      82.5413      -4.4718      4.0282      -0.0035      0.4753      0.5247      45.0736     74.0844      2.4385     56.0218     59.1207      4.0168      0.1820      0.6771      56.5030      0.0540      0.0394      0.6531     -0.5105      0.6414      0.5490      0.6368      5.8051      0.5325      1.2392      1.8990      0.0146      0.0142      0.0123      0.0111      0.0100      0.0226      0.0090      0.2378      0.0226      0.0427      0.0226      0.0427      0.0000   1102.0000      0.6361
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     161.5000      184.5045     178.7254     773.3439      82.5413      -4.4832      4.0168      -0.0029      0.4753      0.5272      37.2456     76.4255      2.5269      46.2595     51.5463     69.1383      4.0168      0.1902      0.6842      52.4268      0.0528      0.0388      0.6711     -0.3841      0.7228      0.6990      0.7164      5.6877      0.5553      1.1185      1.8982      0.0147      0.0113      0.0101      0.0094      0.0084      0.0216      0.0089      0.2419      0.0216      0.0435      0.0216      0.0439      0.0000   1126.0000      0.6953
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     163.0000      184.5045     179.5574     781.9269      82.5413      -4.4832      4.0168      -0.0031      0.4751      0.5300      37.9913     76.4255      2.7512      43.6473     49.2217      4.0168      0.1899      0.6898      61.6138      0.0532      0.0393      0.6574      0.5148      0.6055      0.6920      0.6436      0.5140      1.5767      1.8976      0.0145      0.0149      0.0129      0.0116      0.0104      0.0229      0.0090      0.2391      0.0229      0.0437      0.0229      0.0436      0.0000   1114.0000      0.6911
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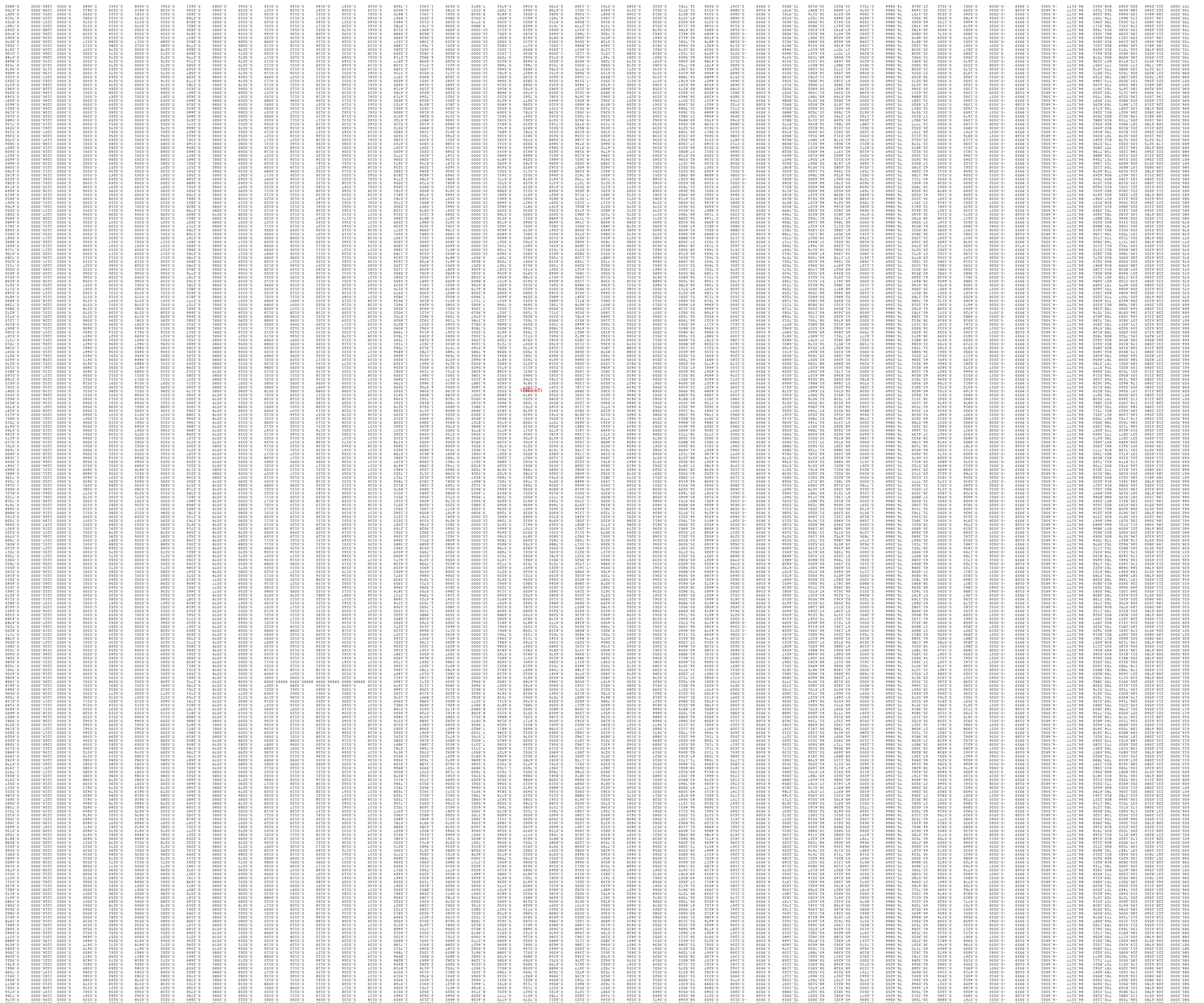

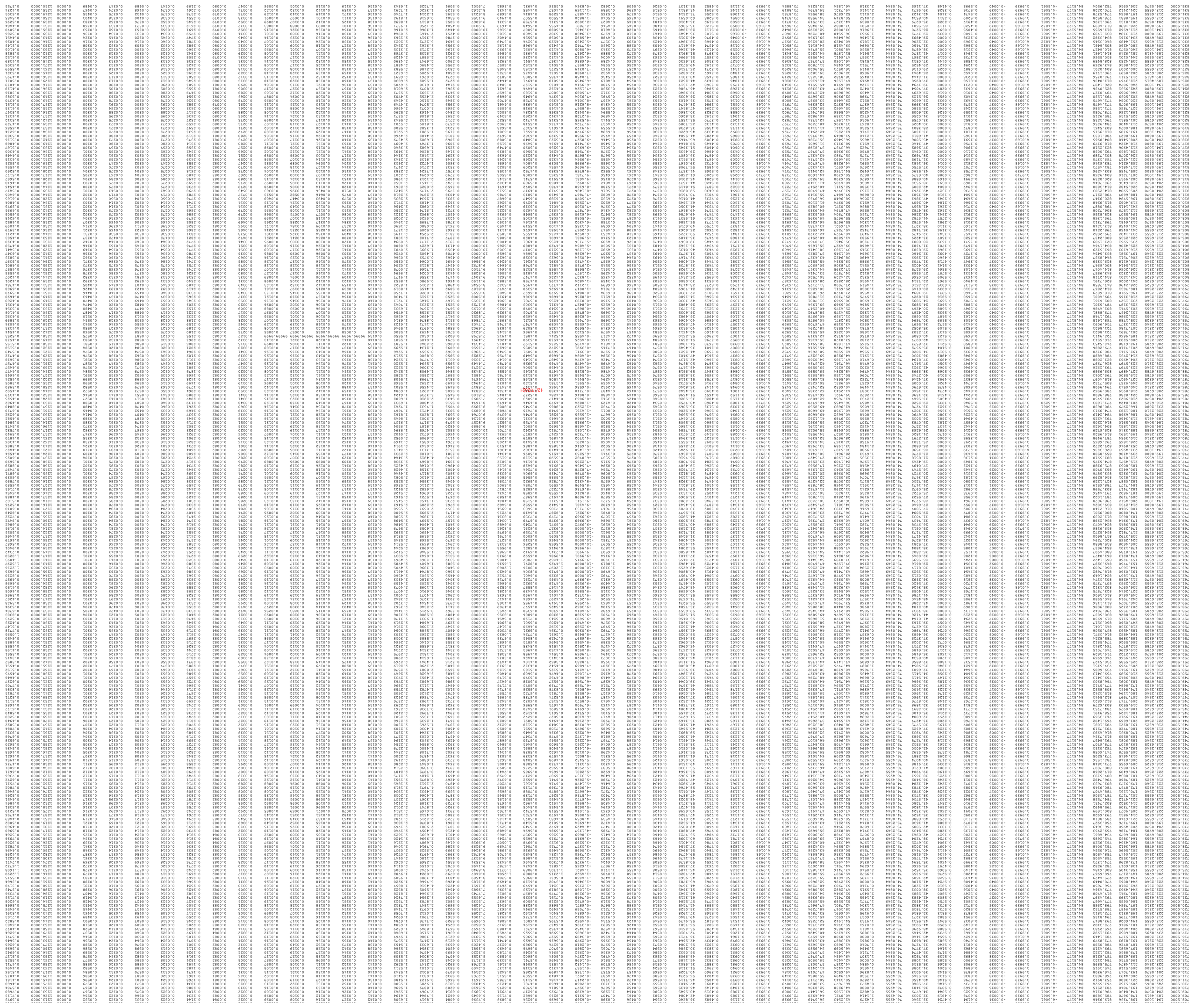
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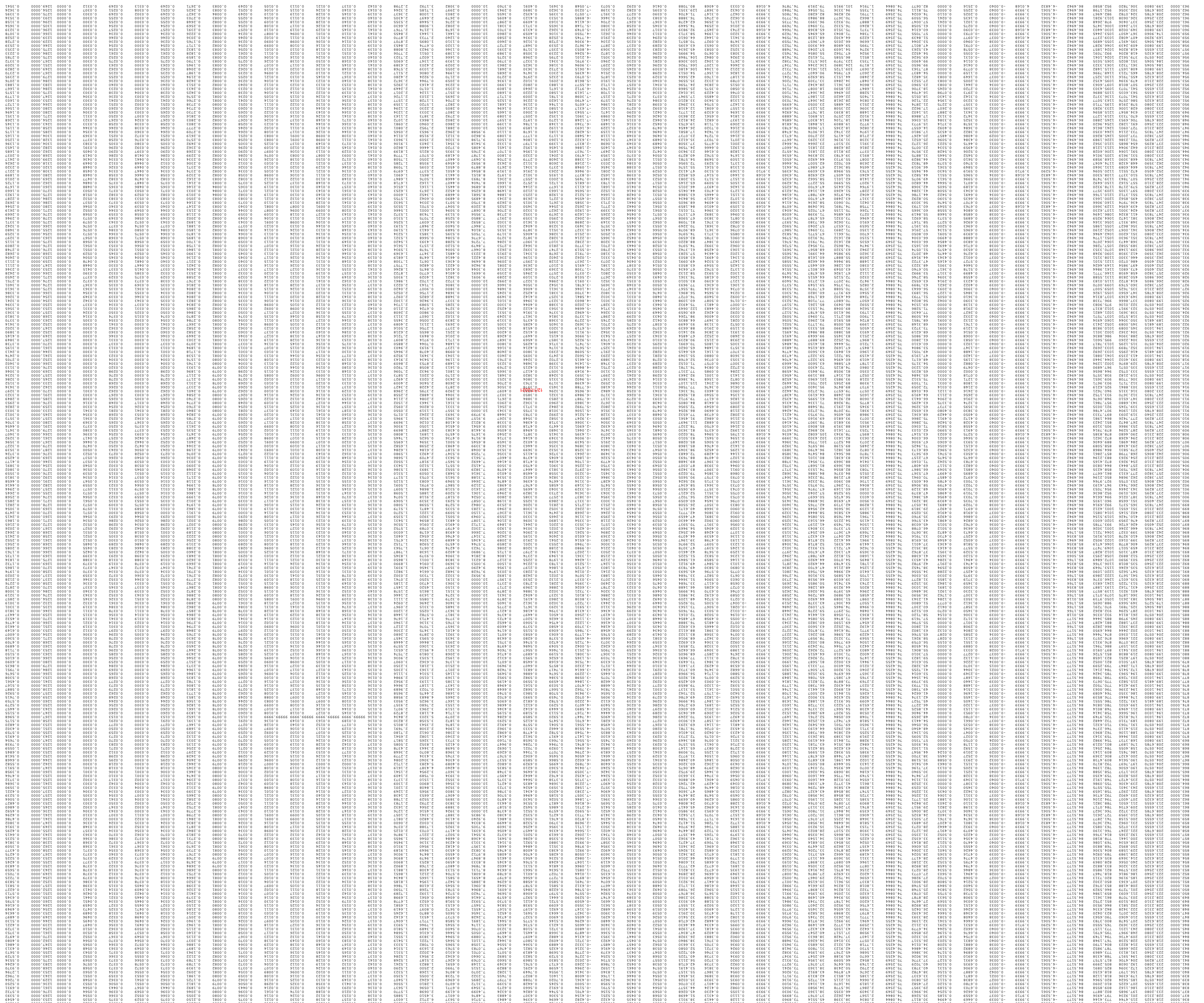
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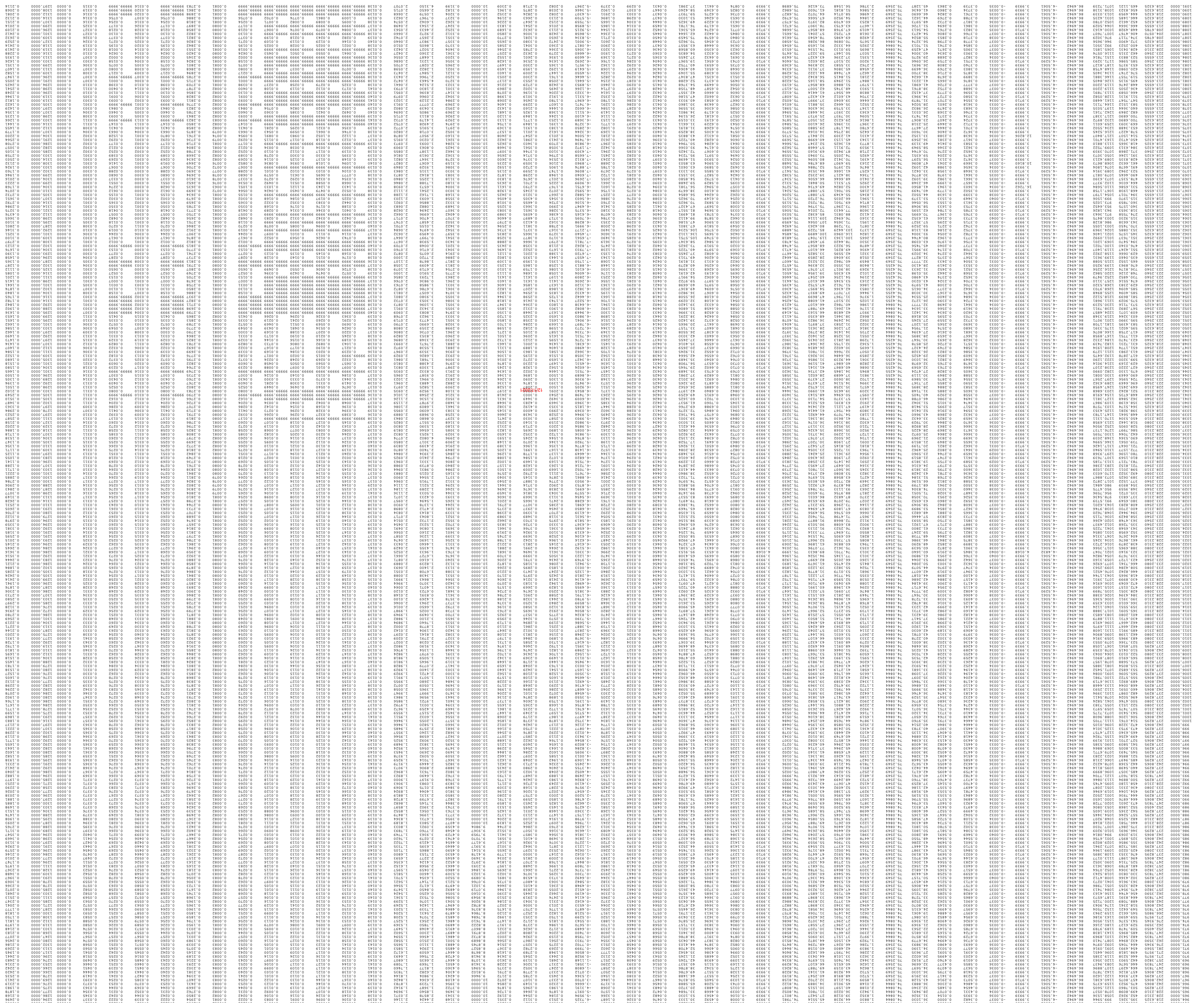
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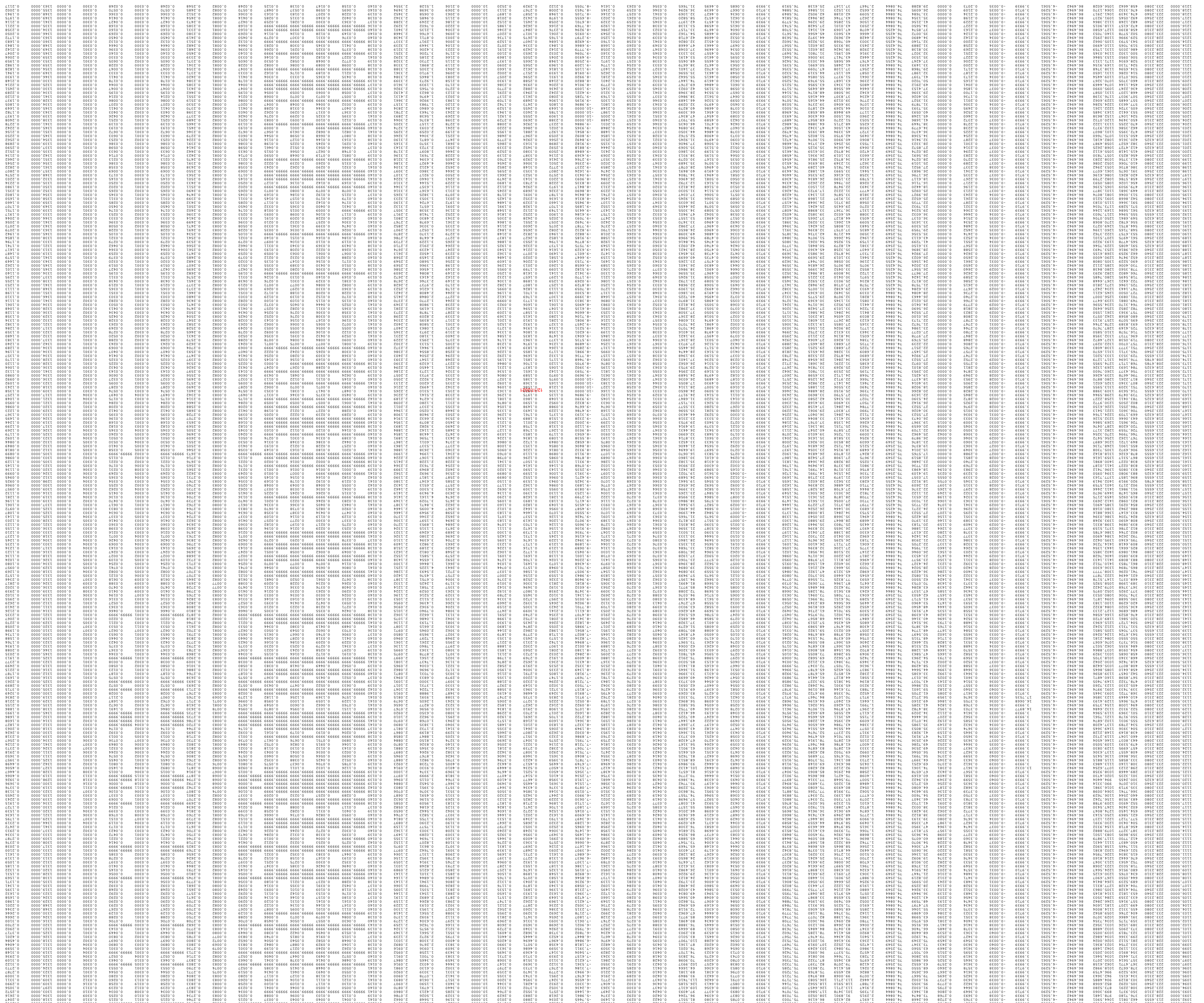

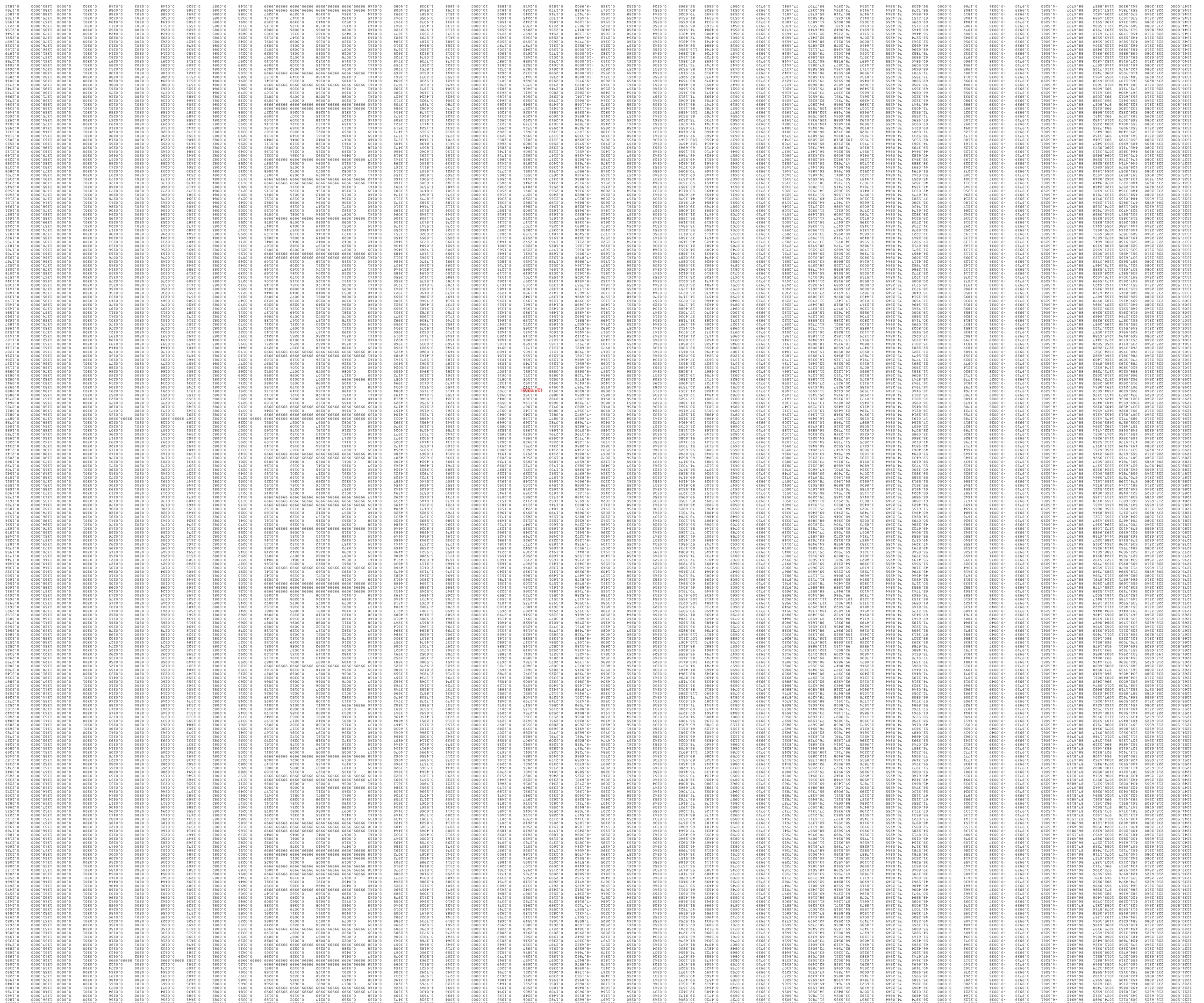
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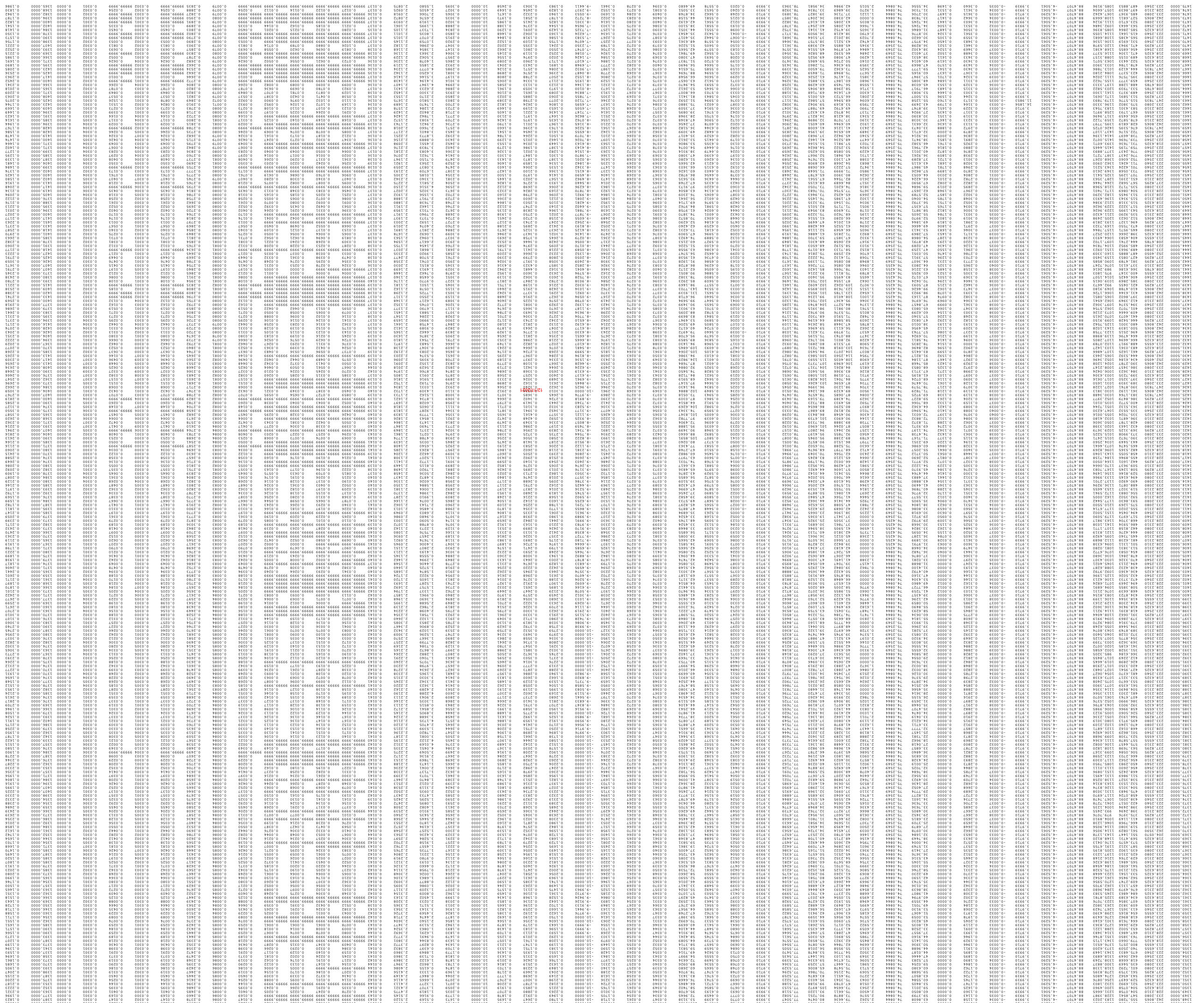
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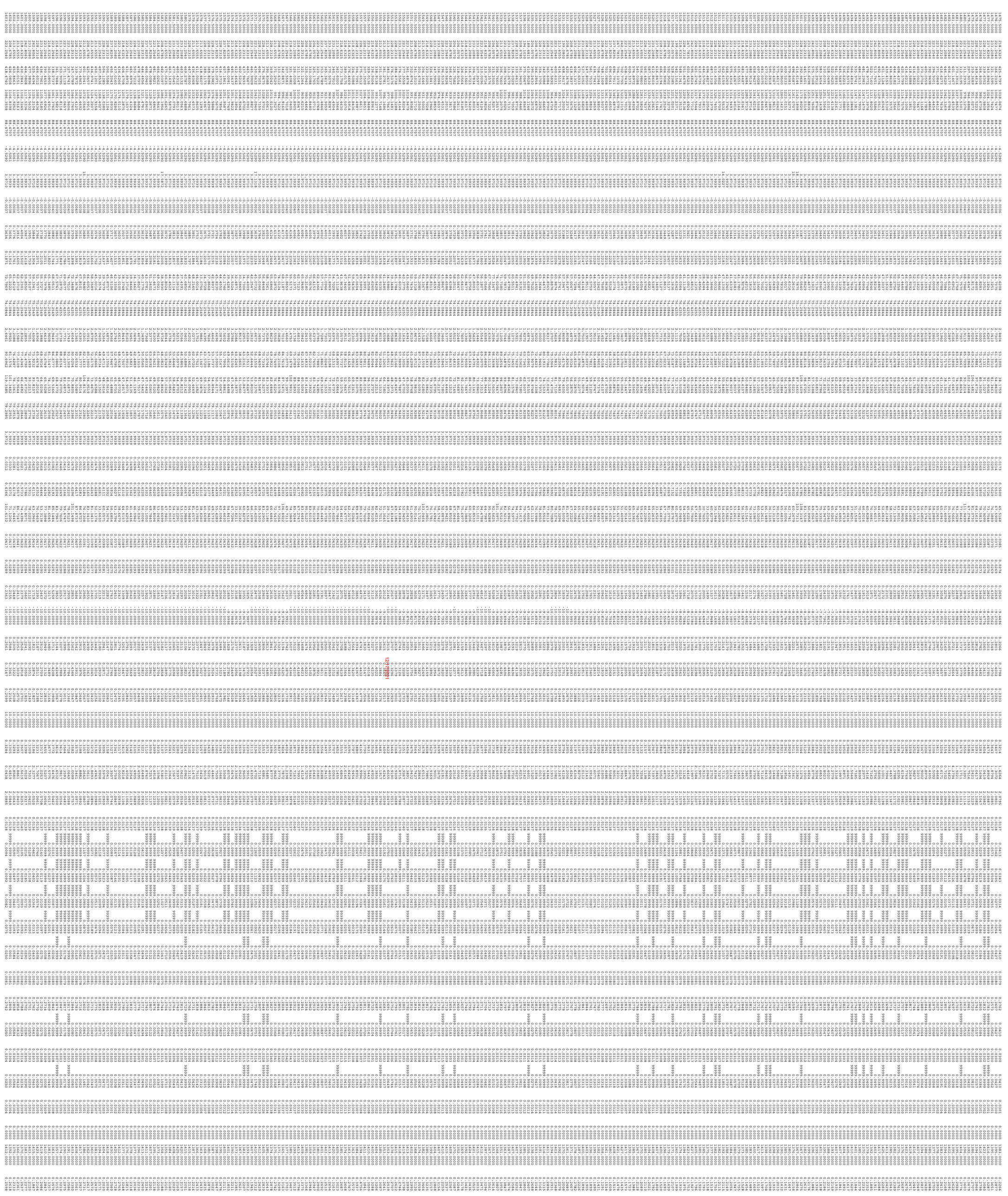

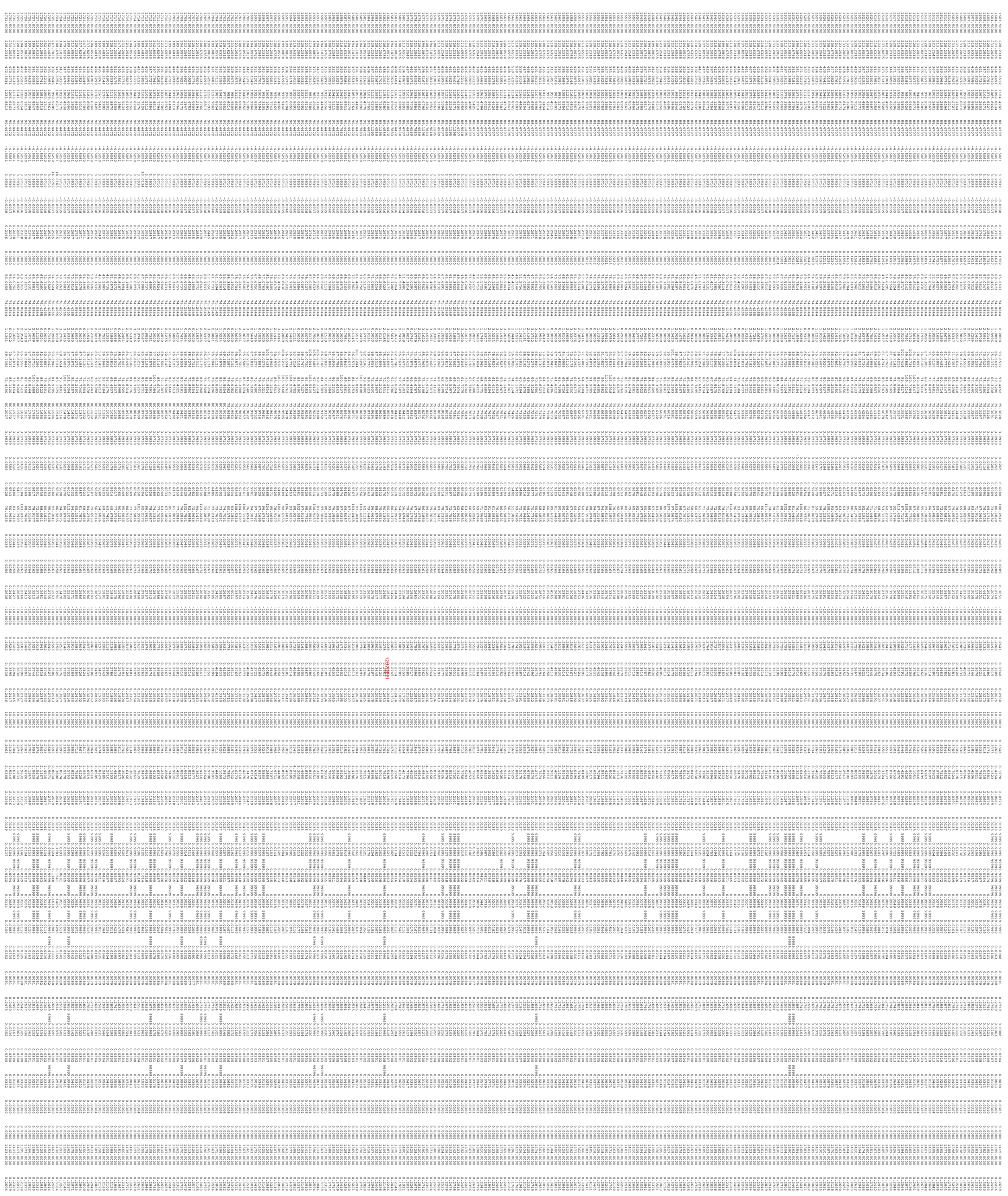

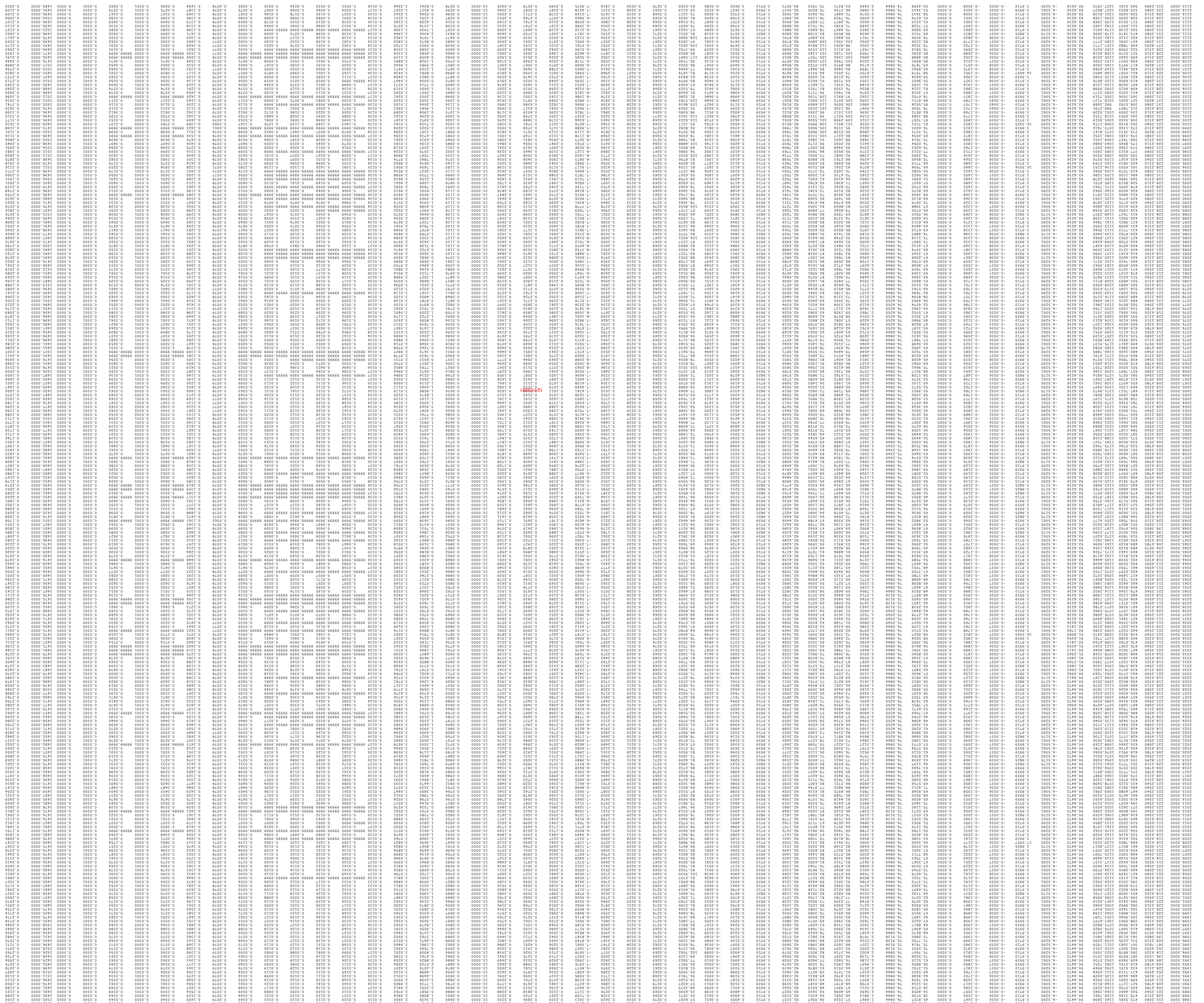
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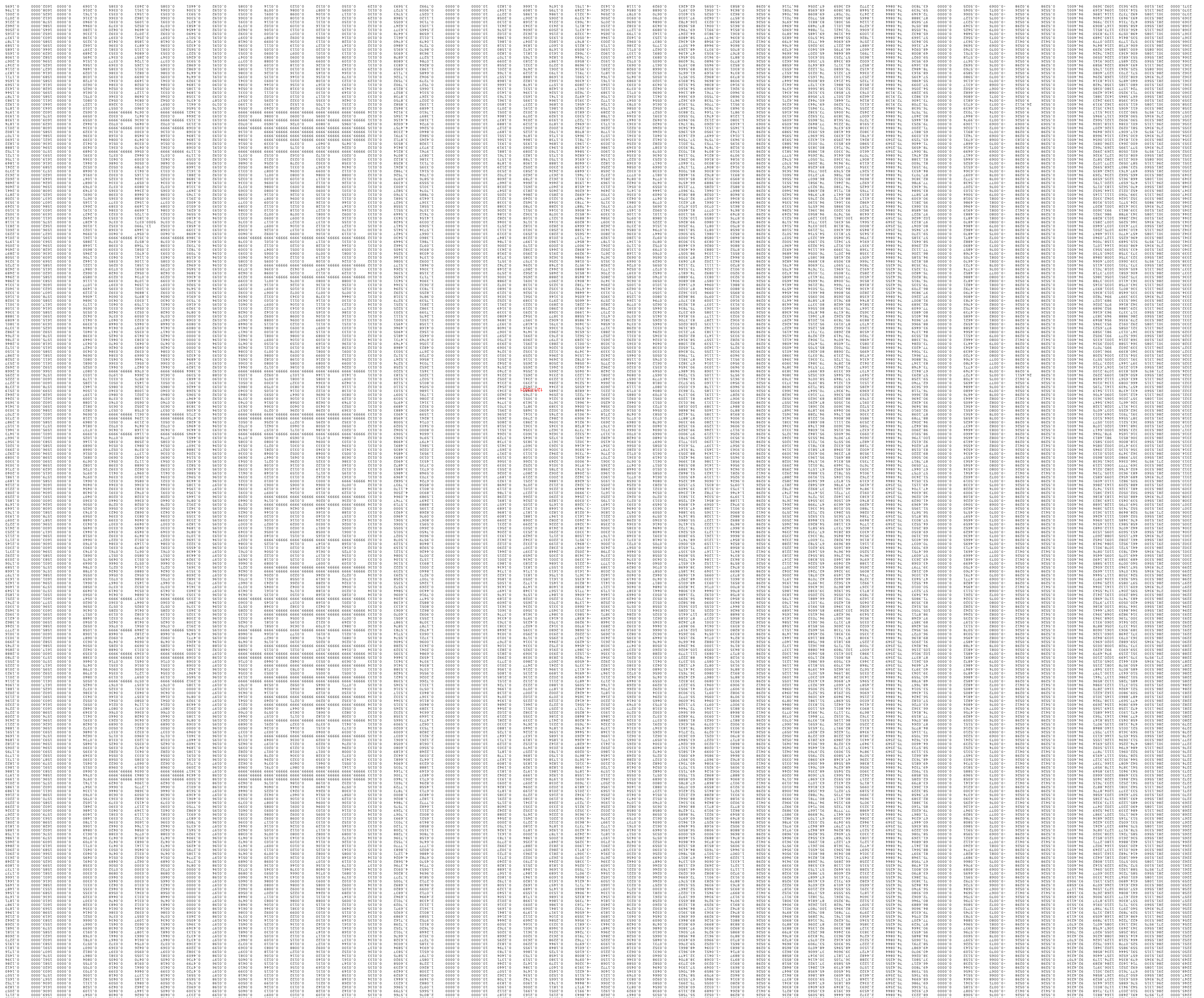
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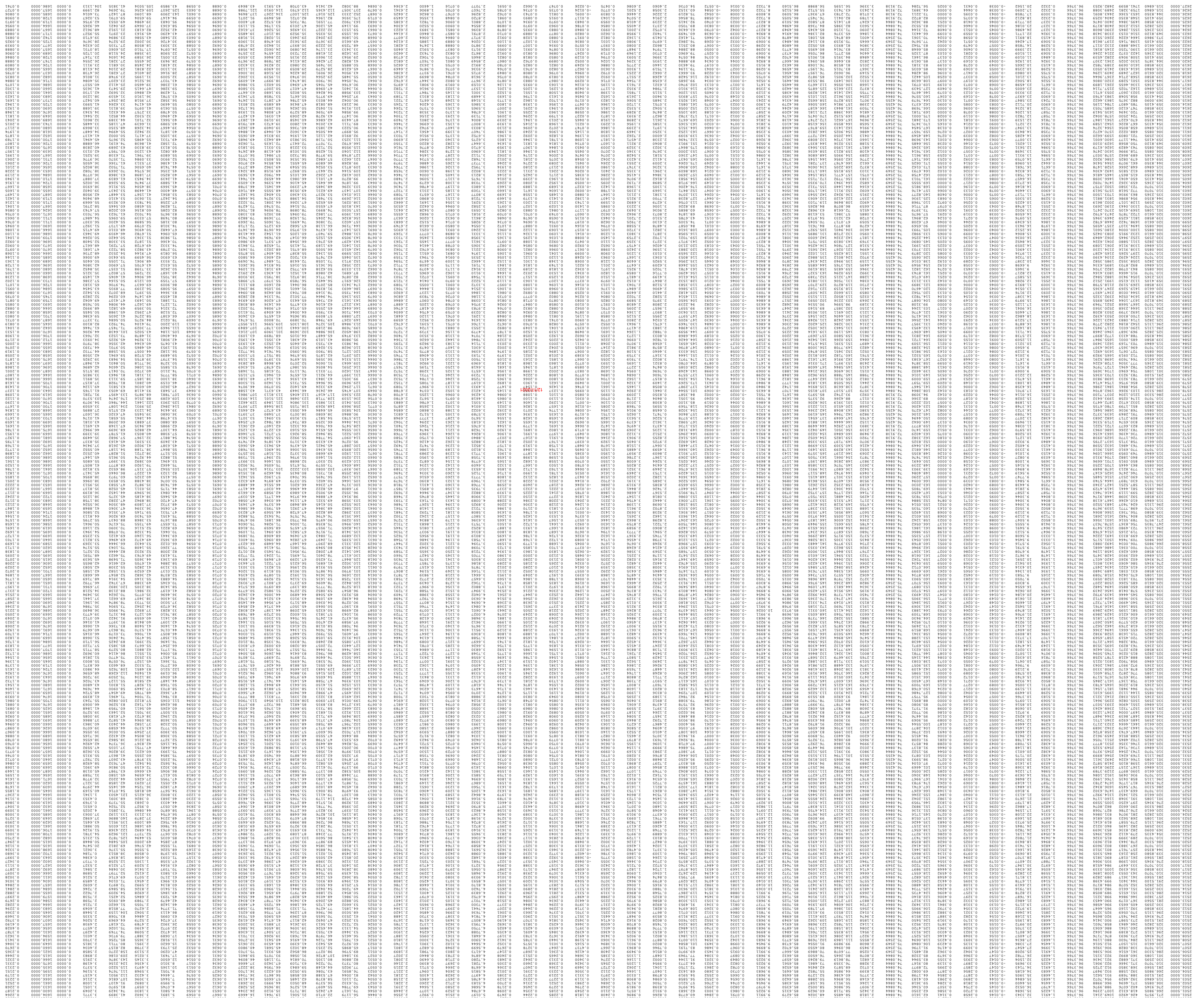
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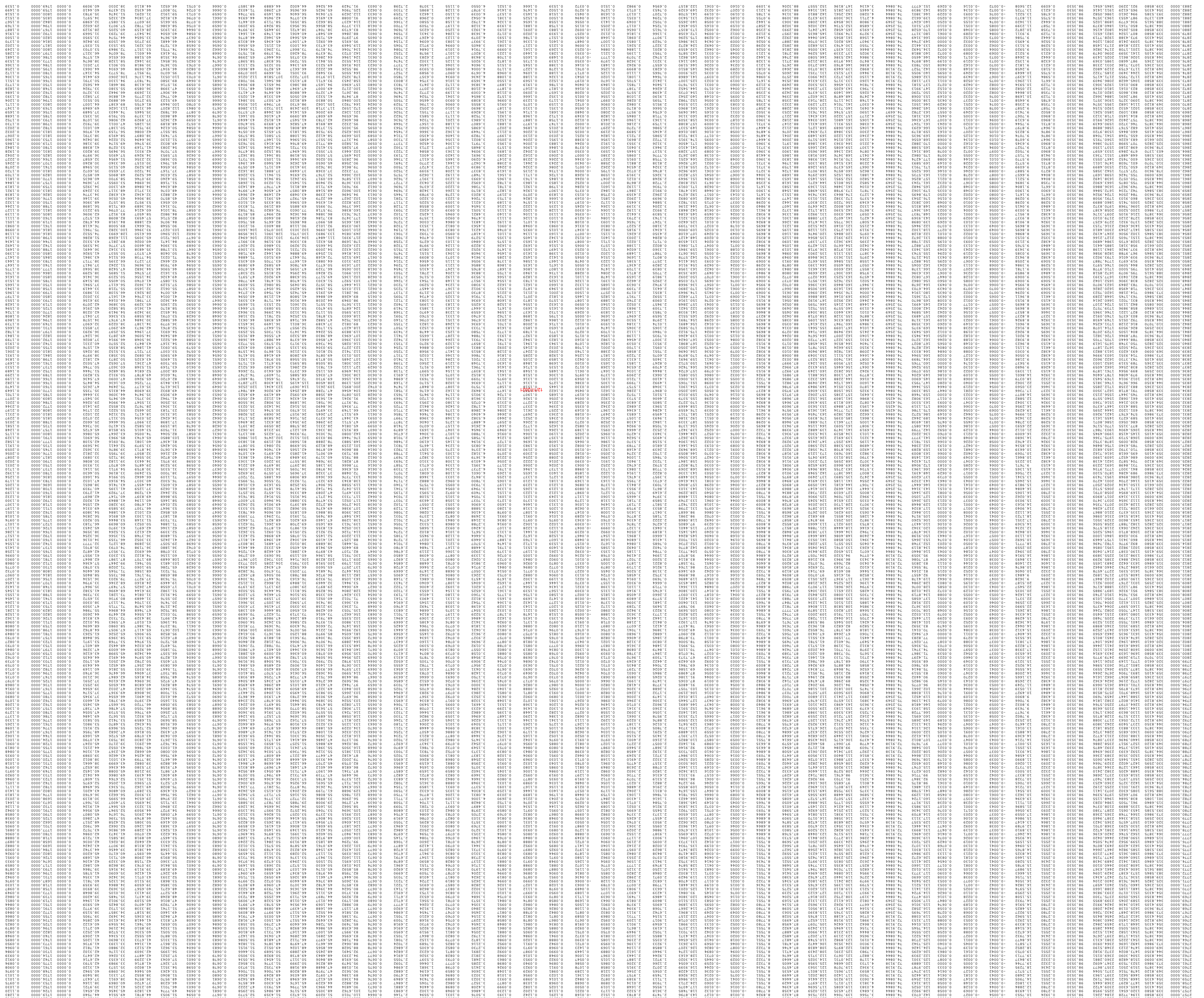
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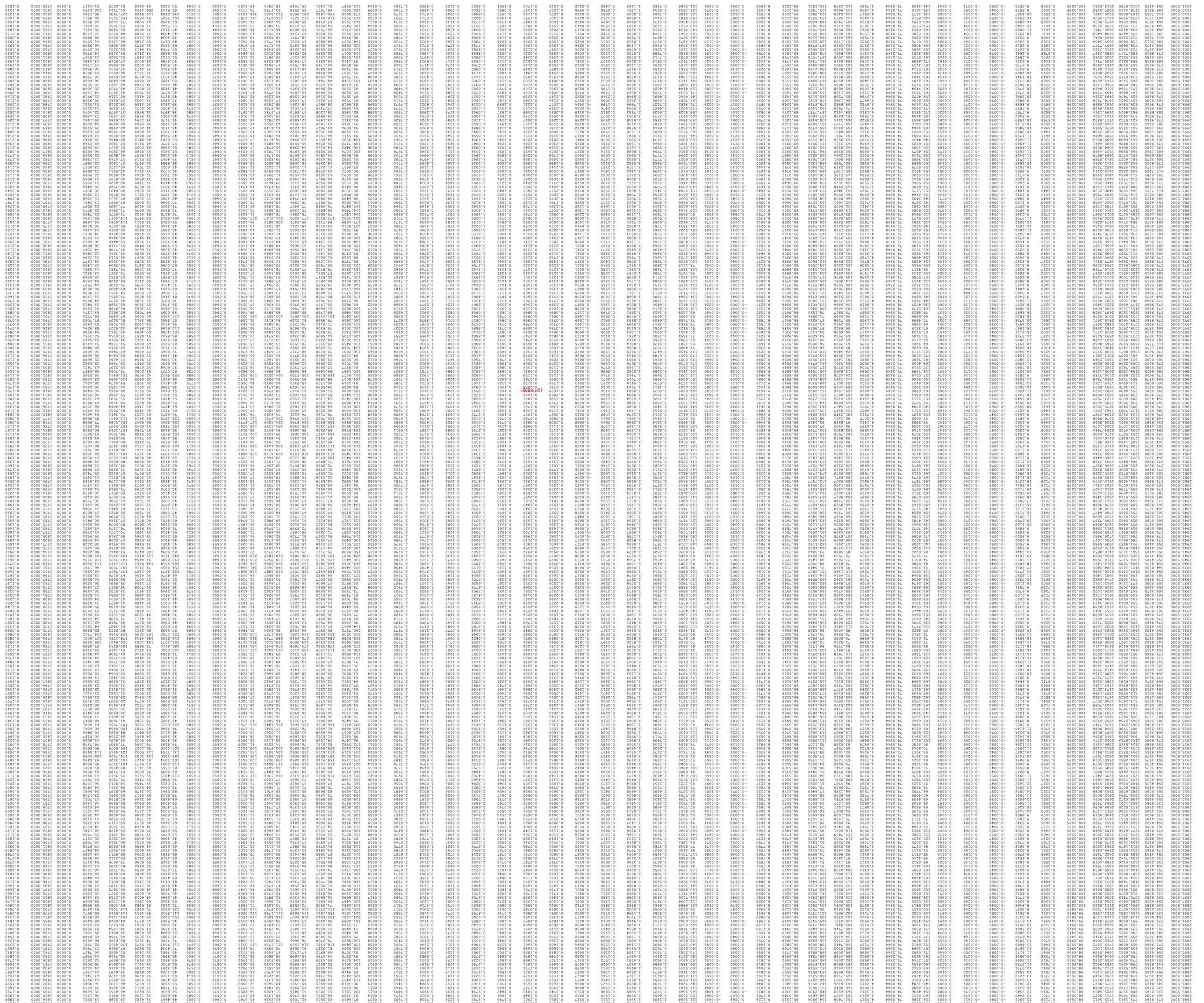
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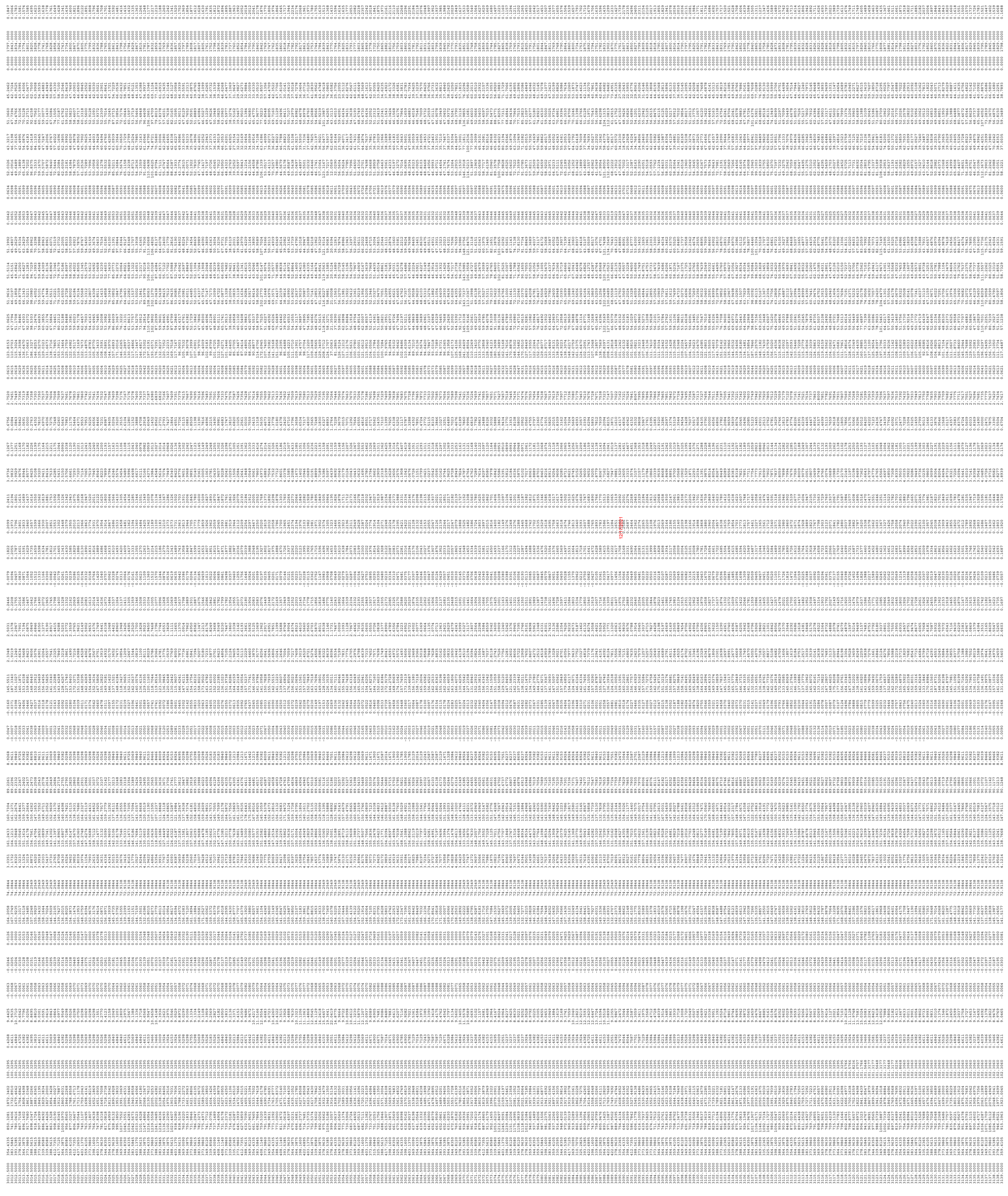

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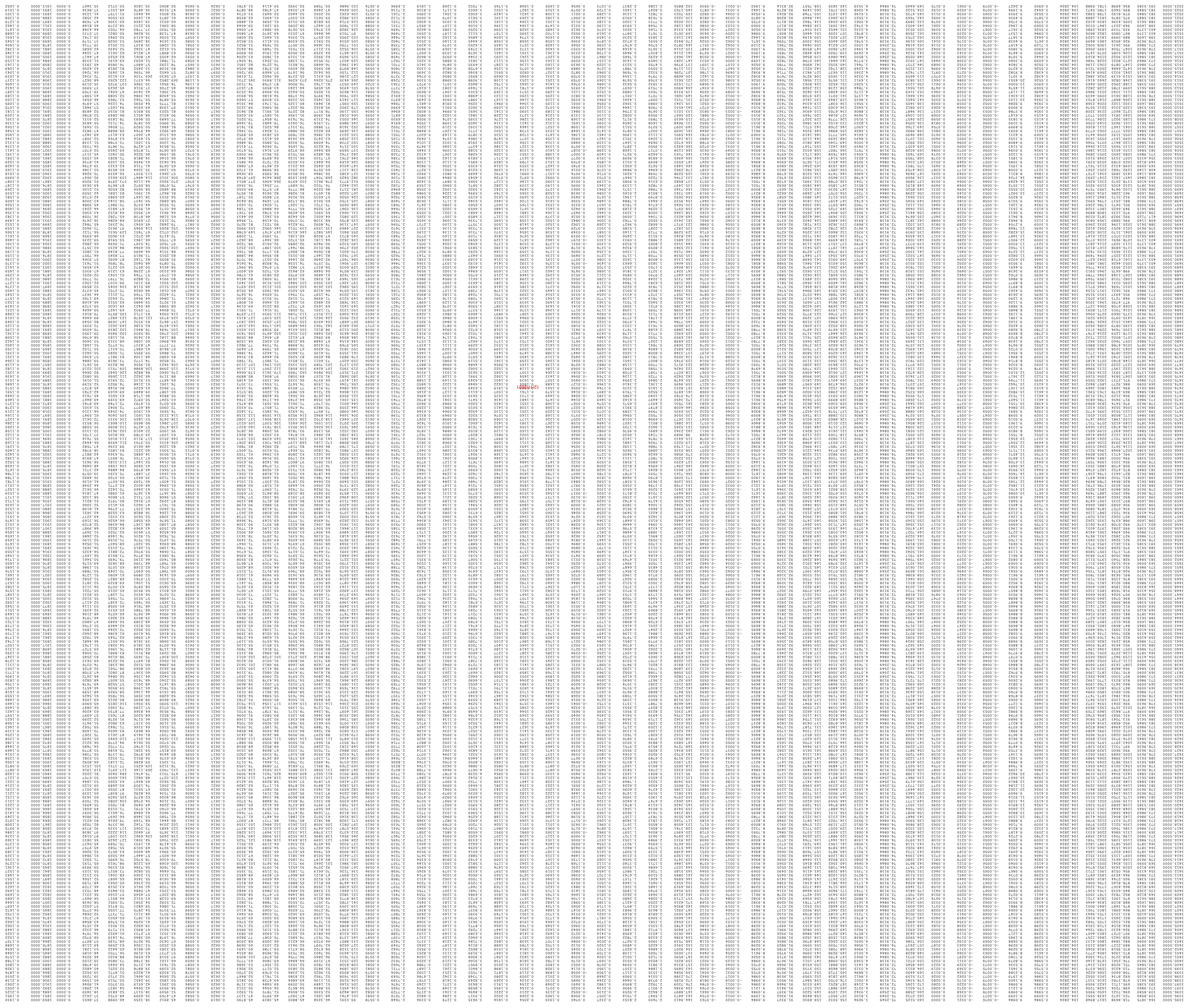

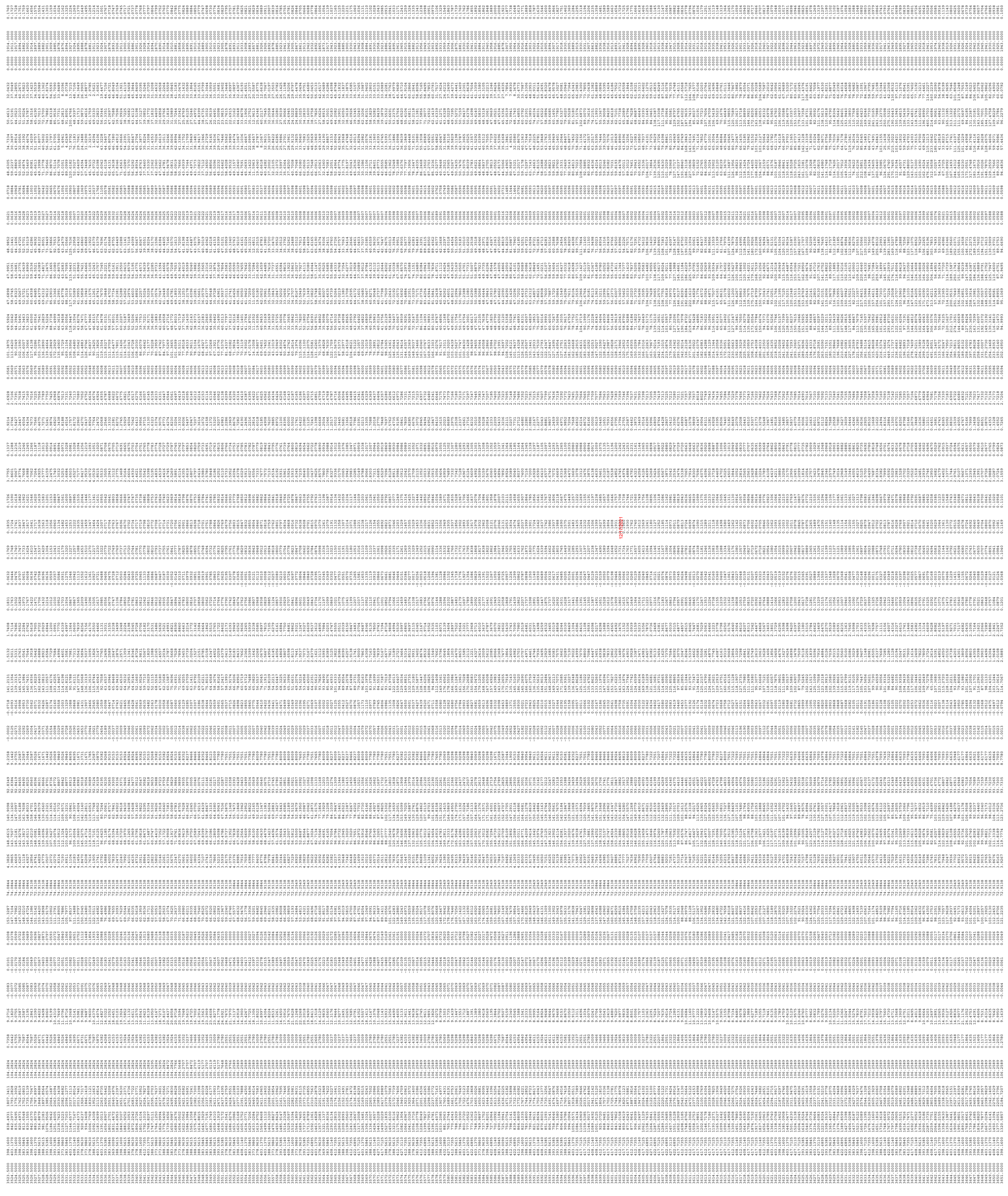

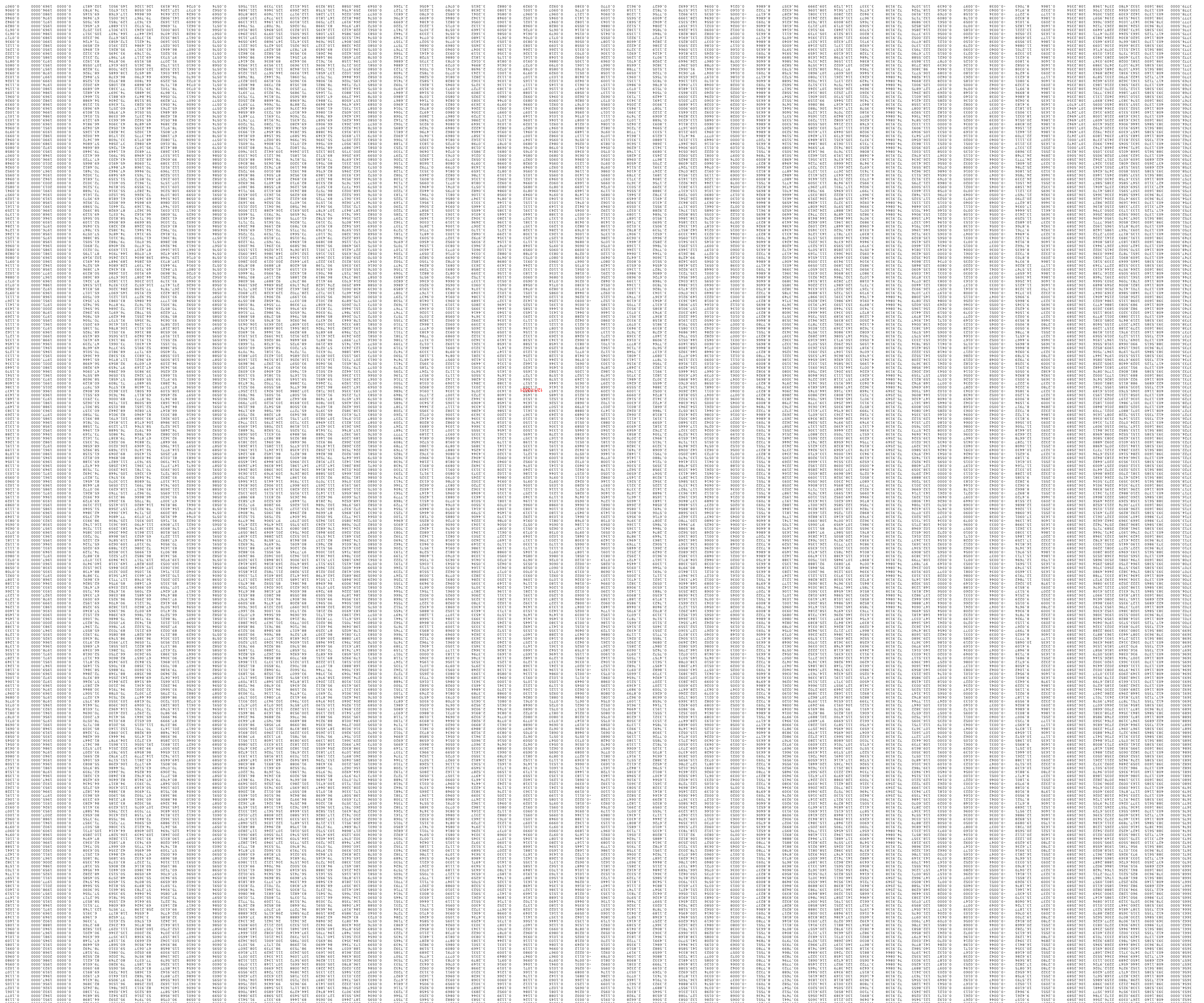
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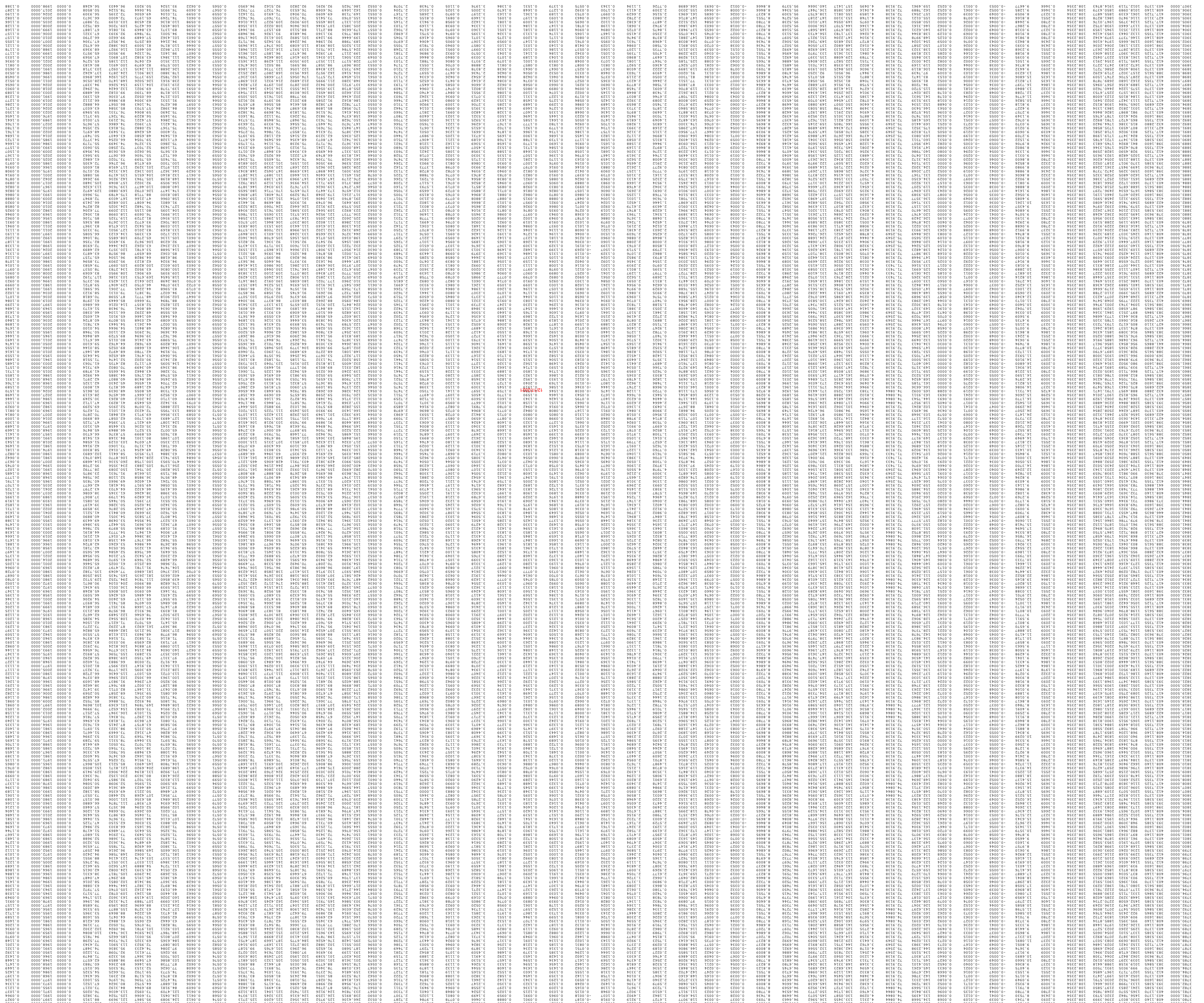

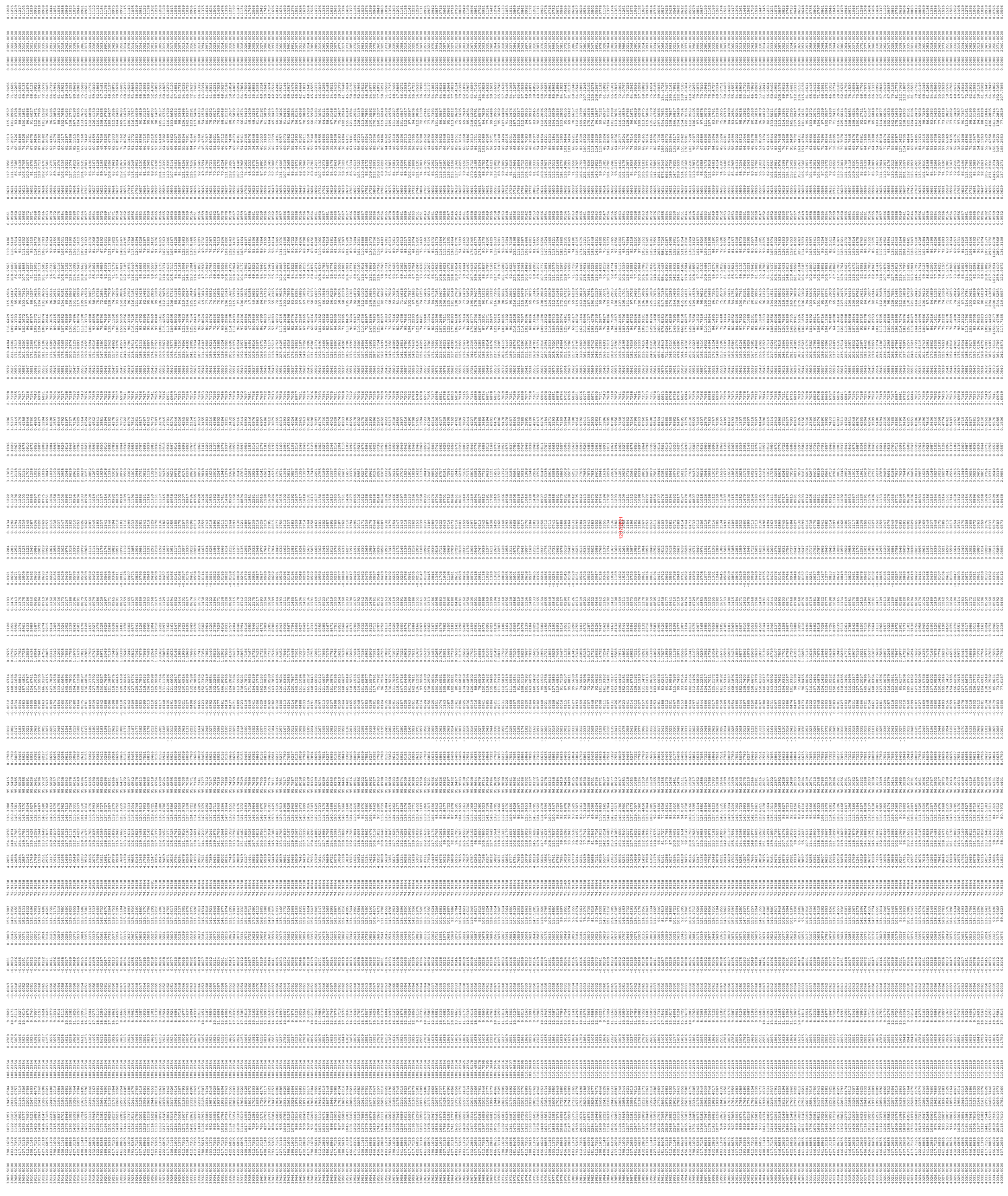

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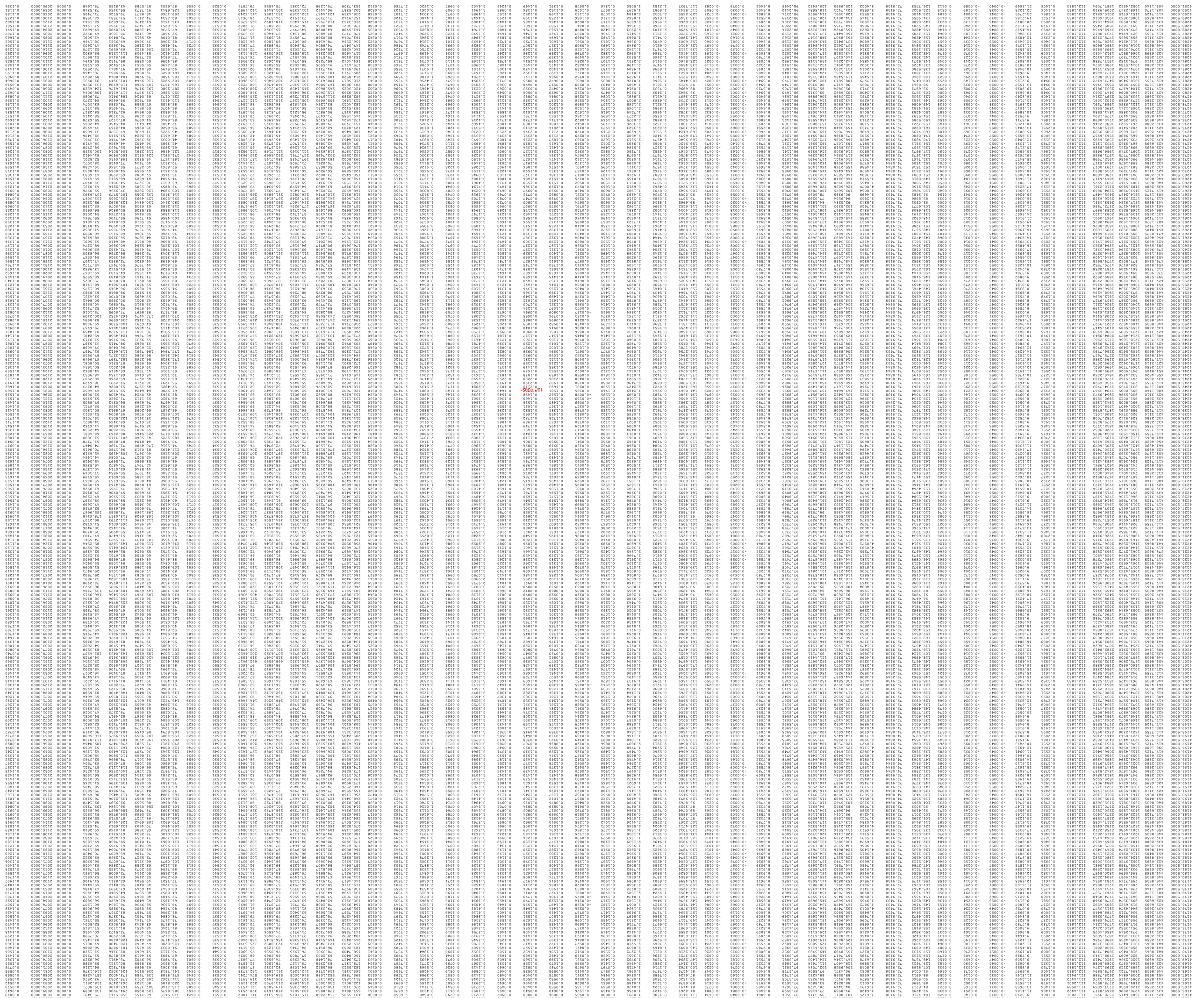
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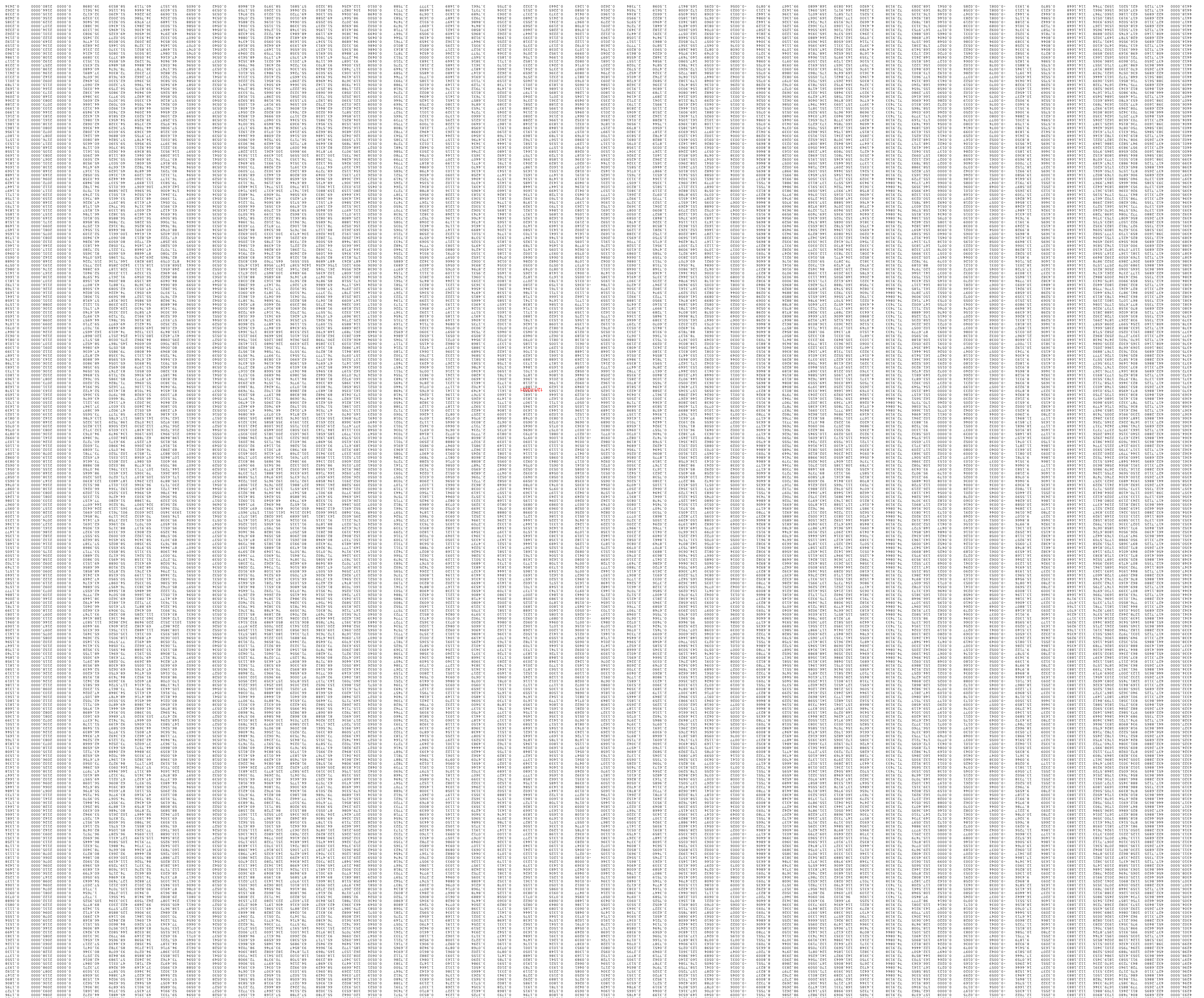
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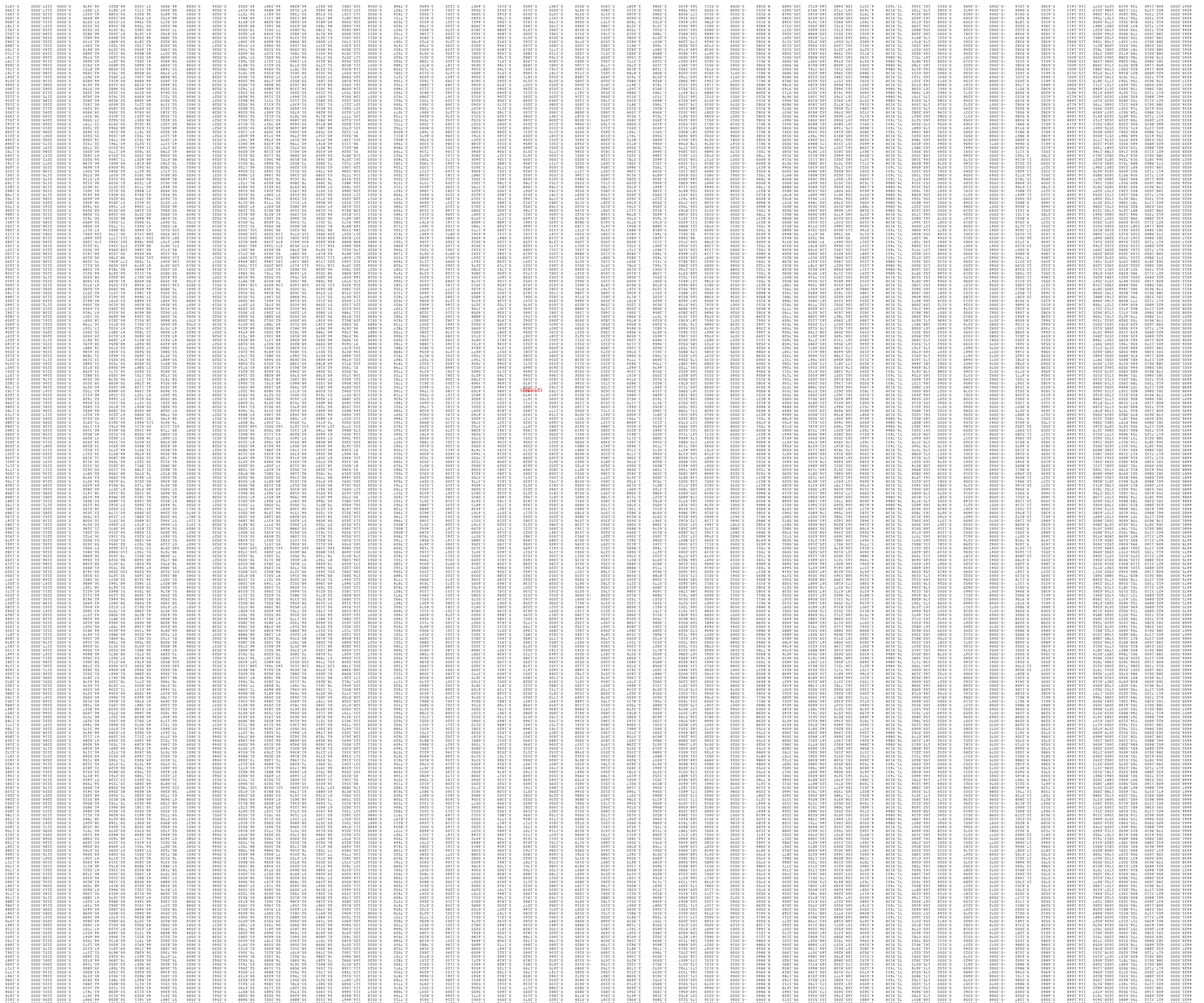
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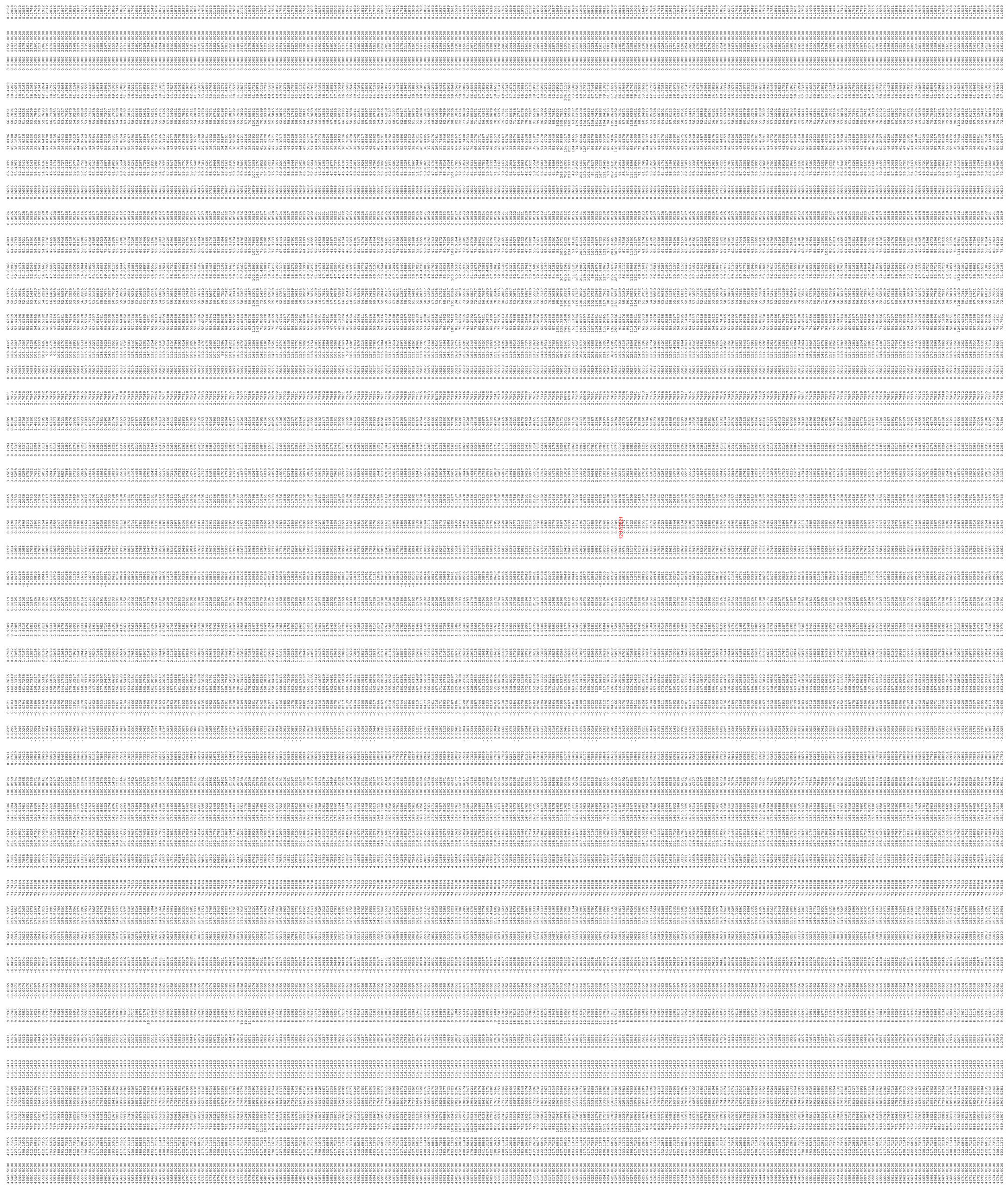

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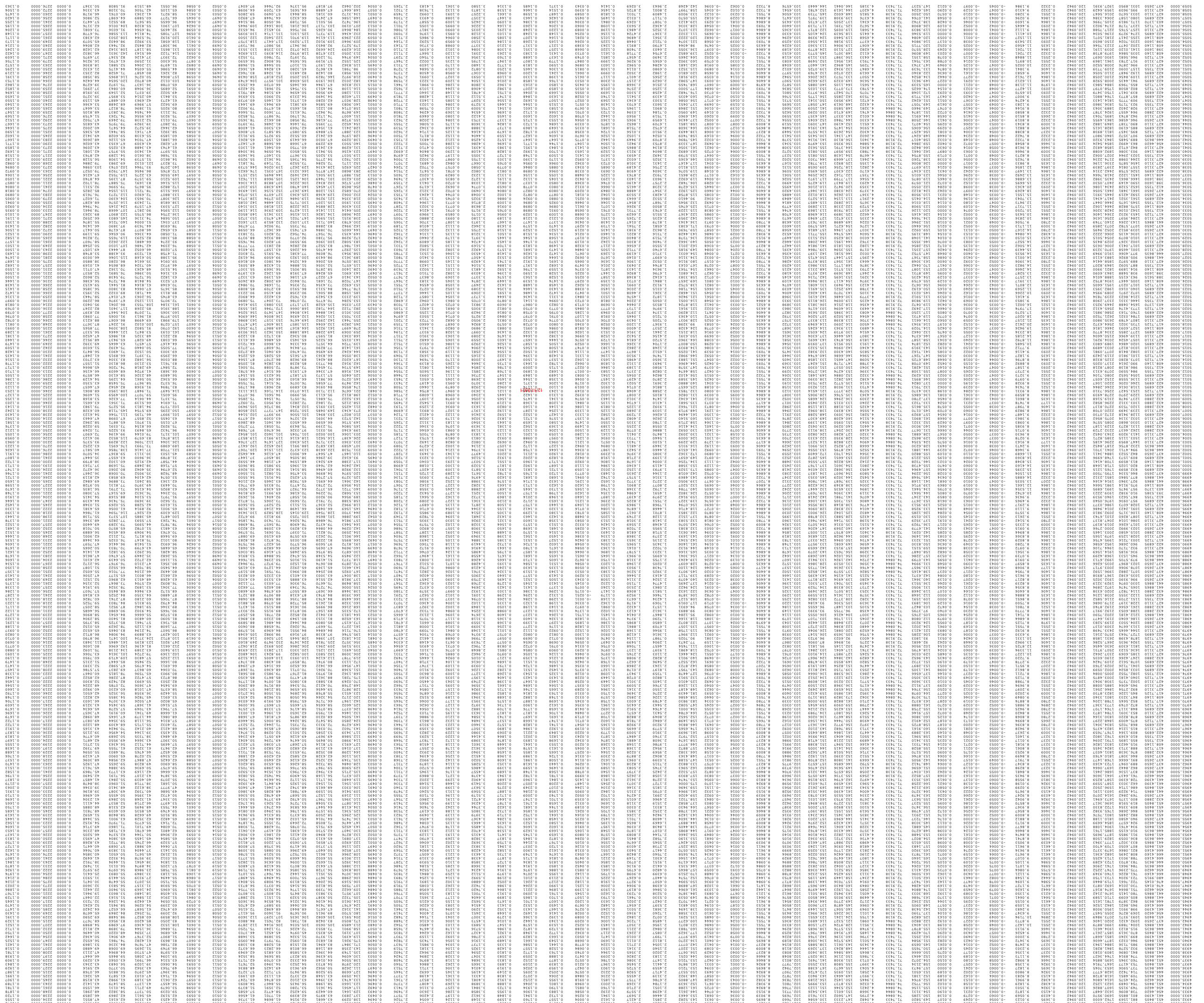
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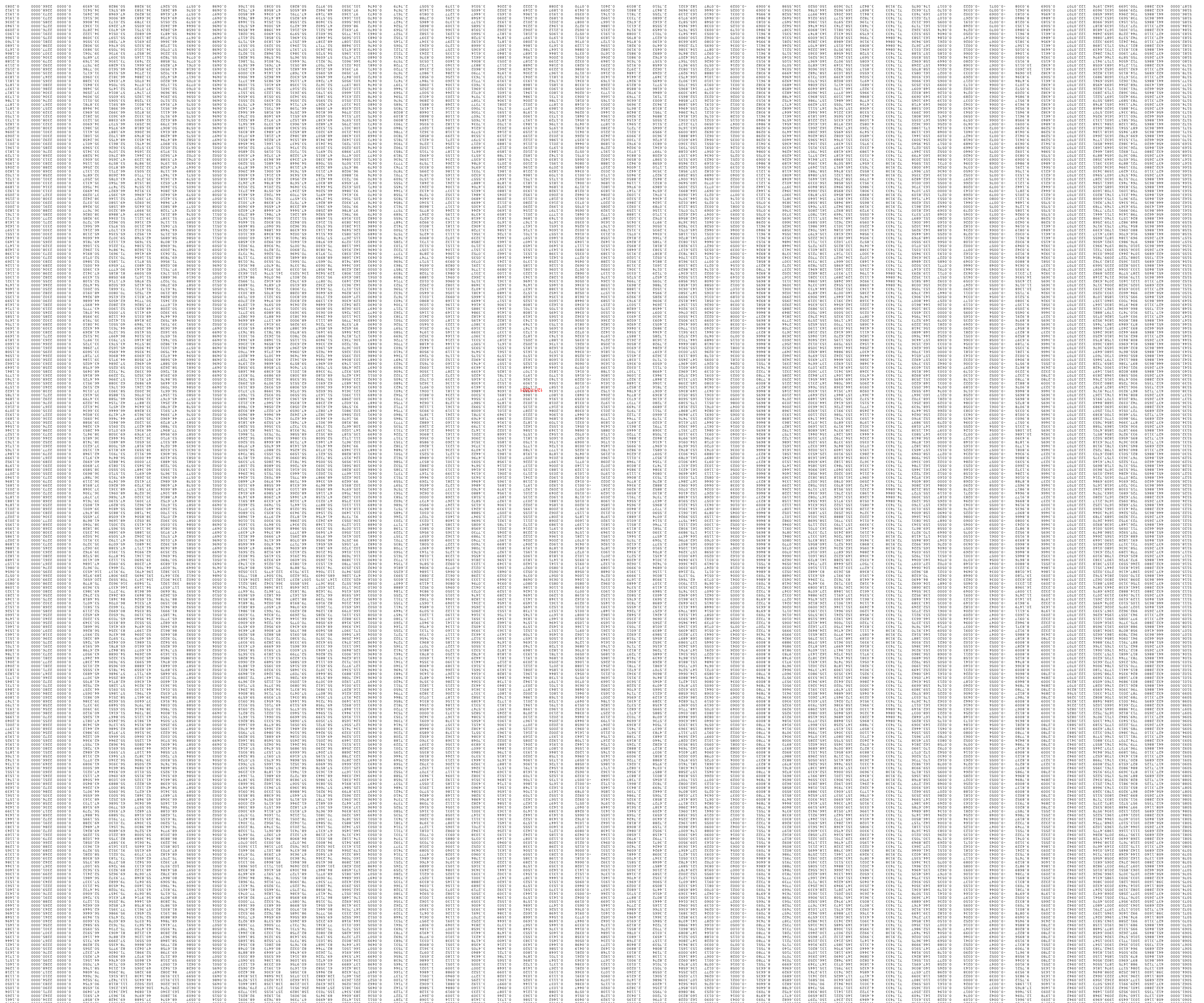
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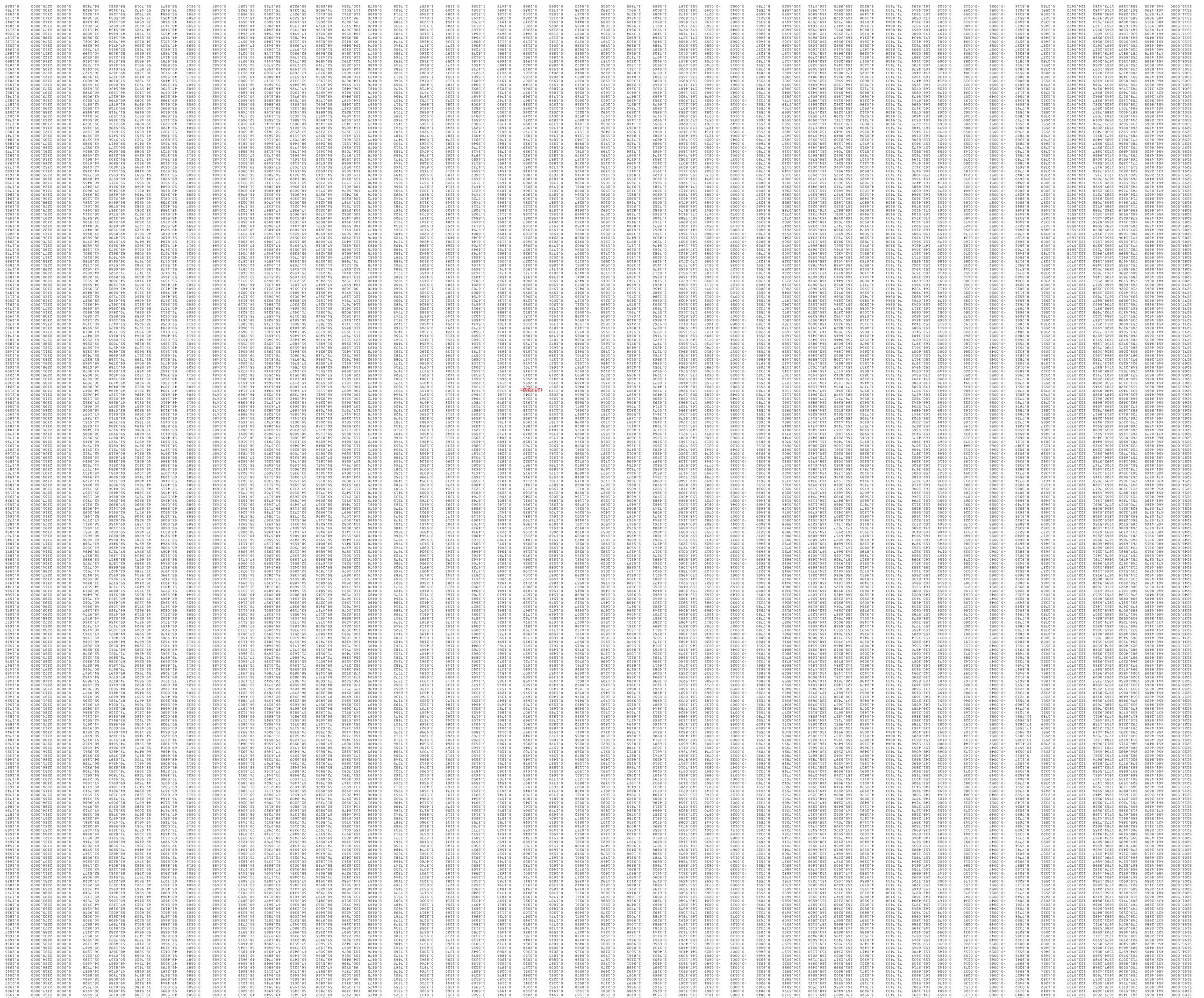
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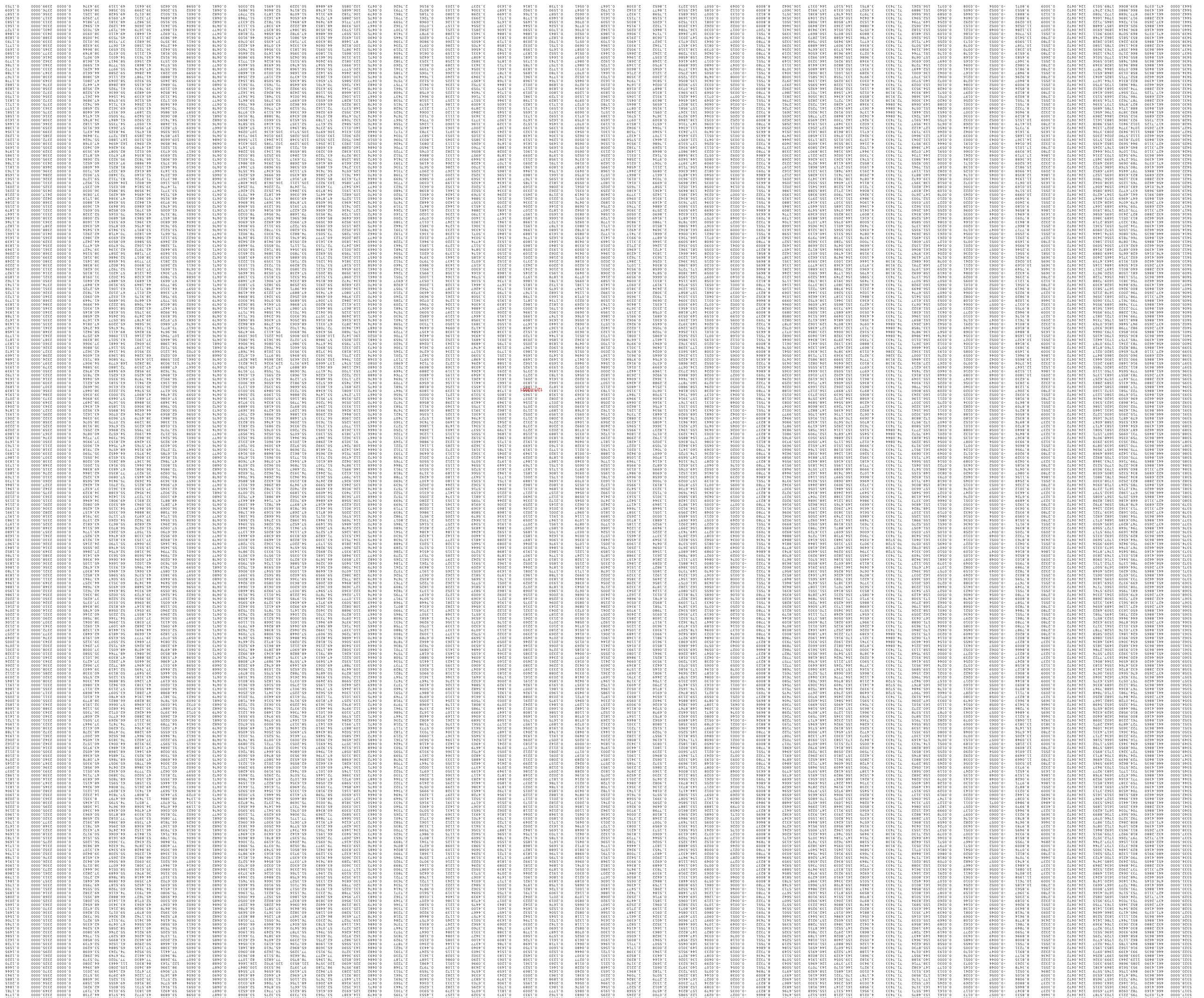

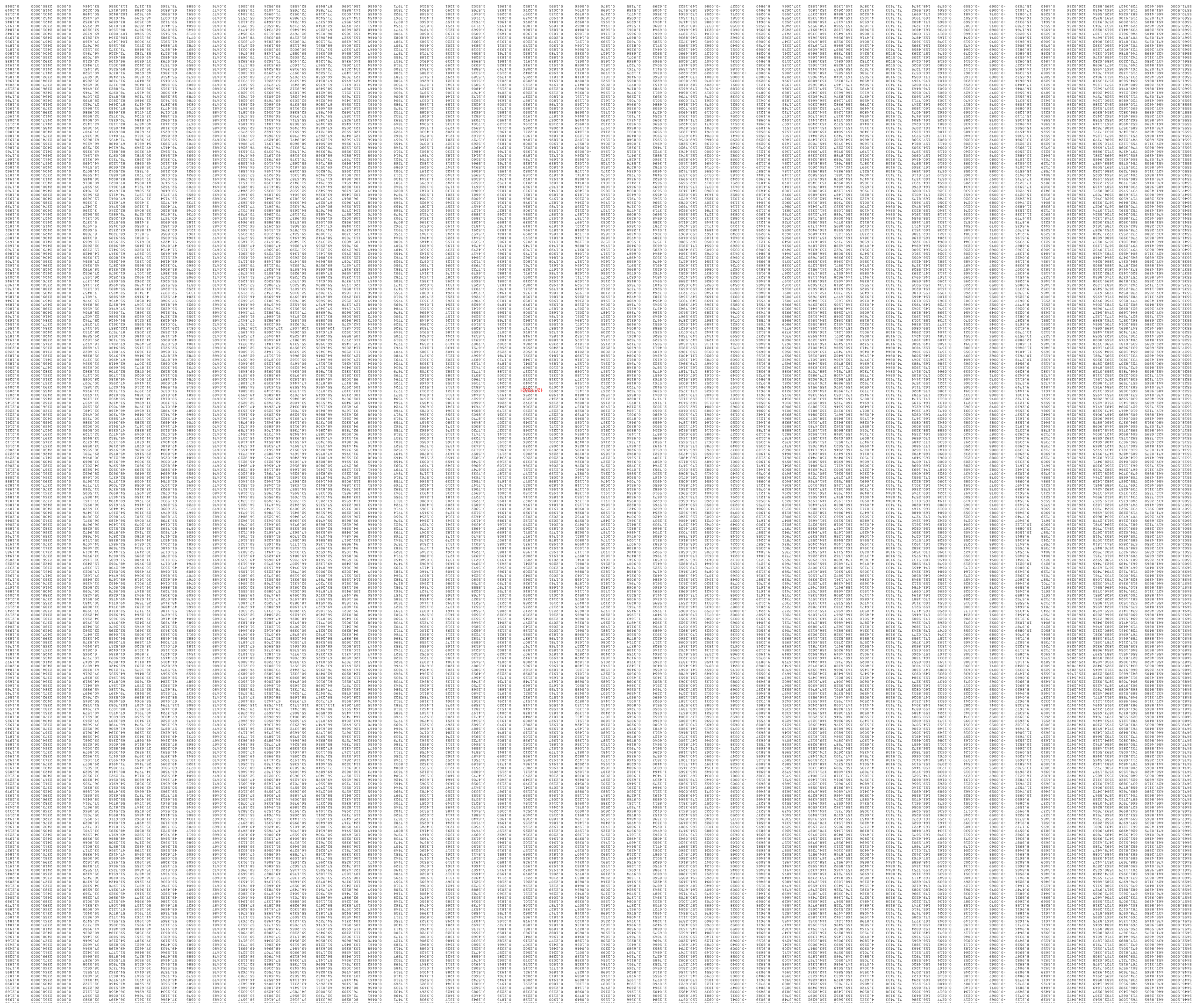
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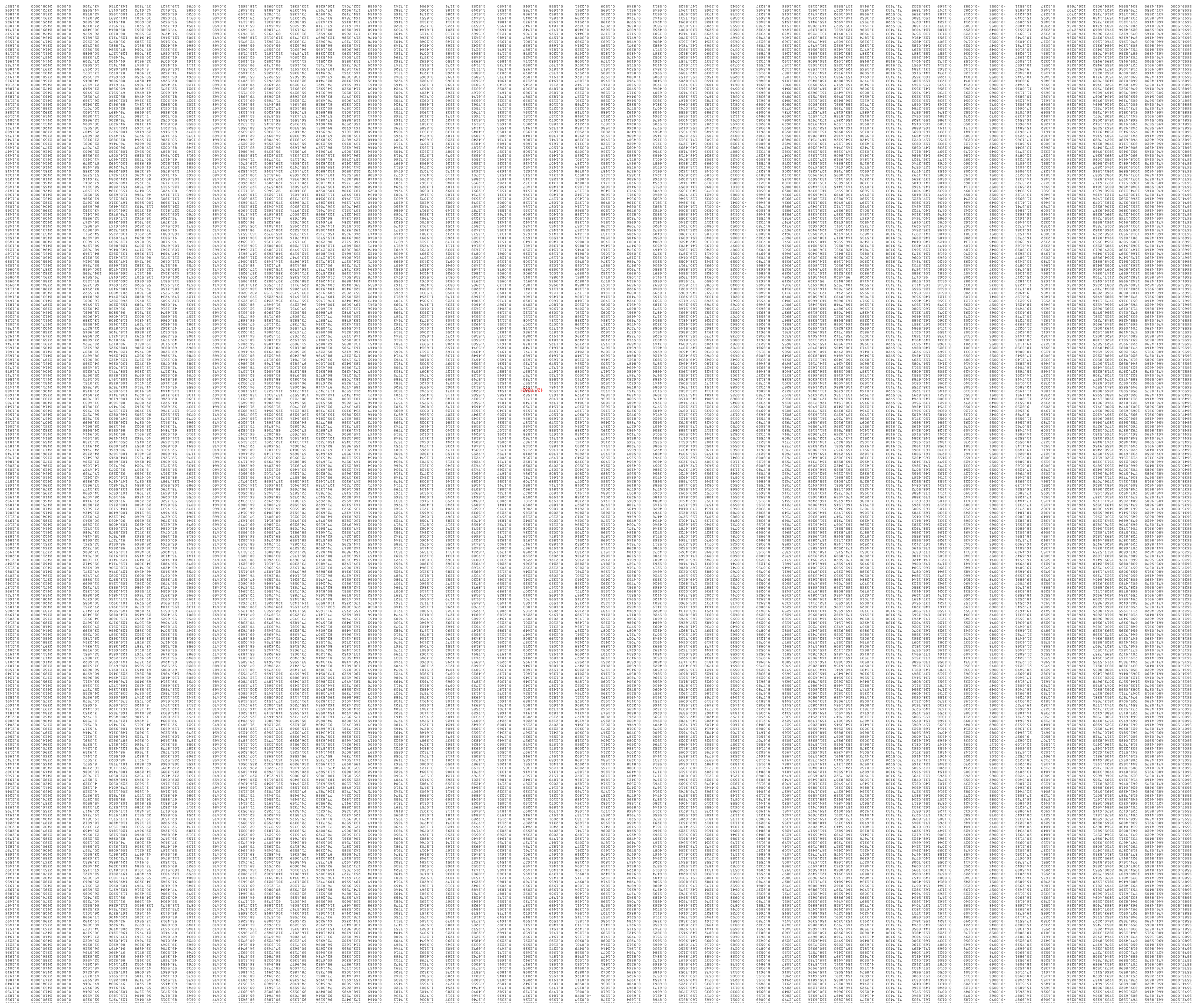
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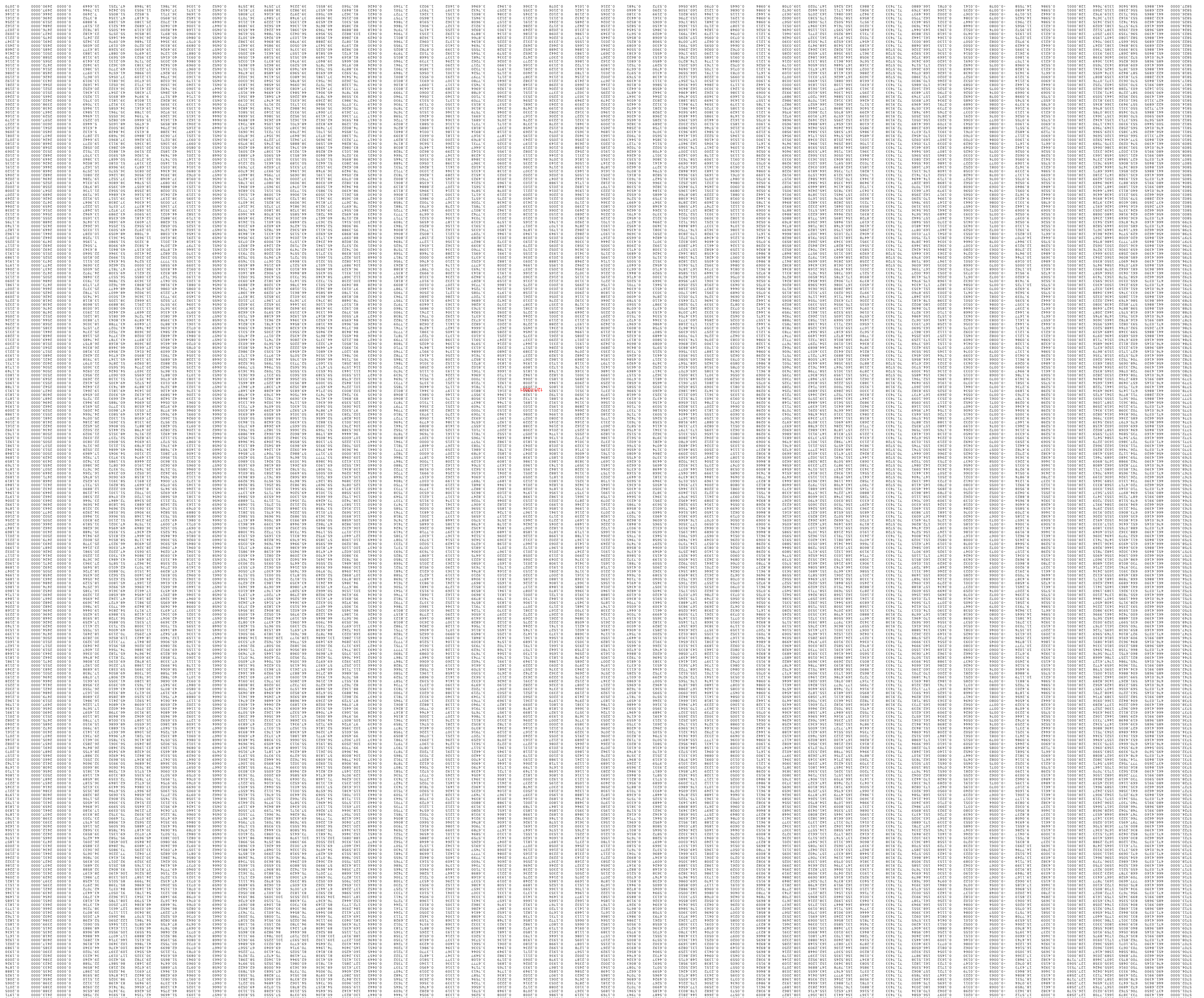
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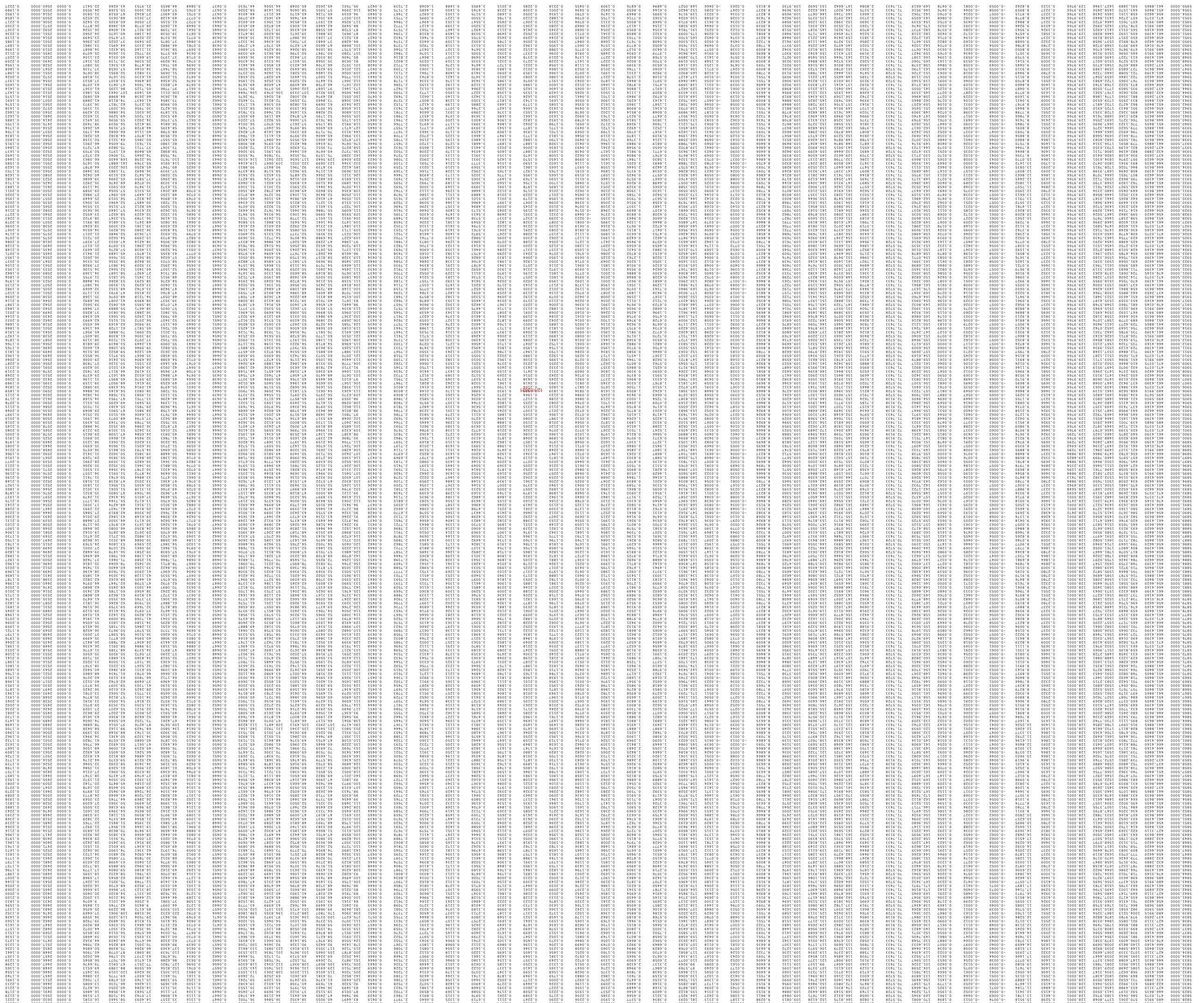
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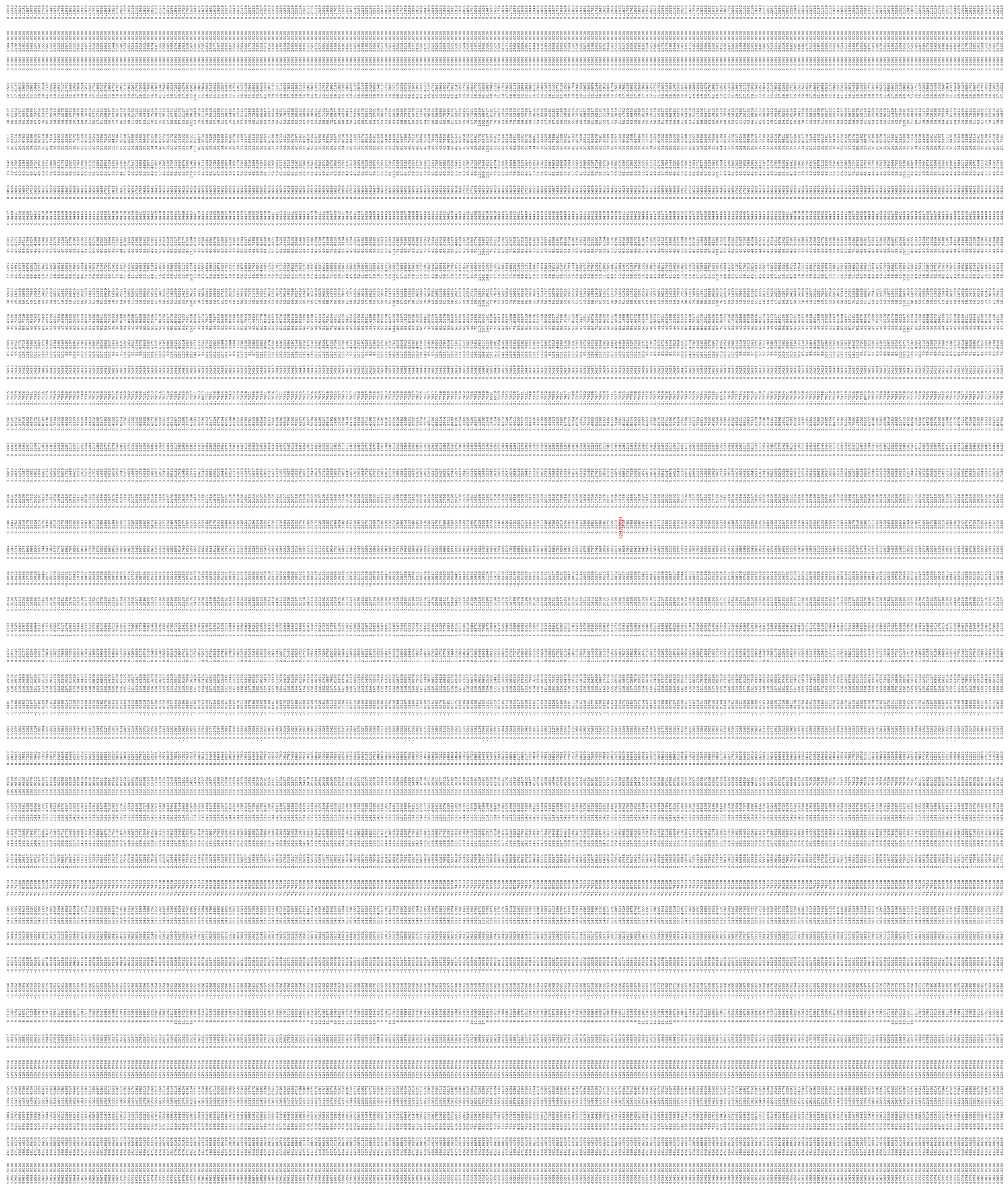

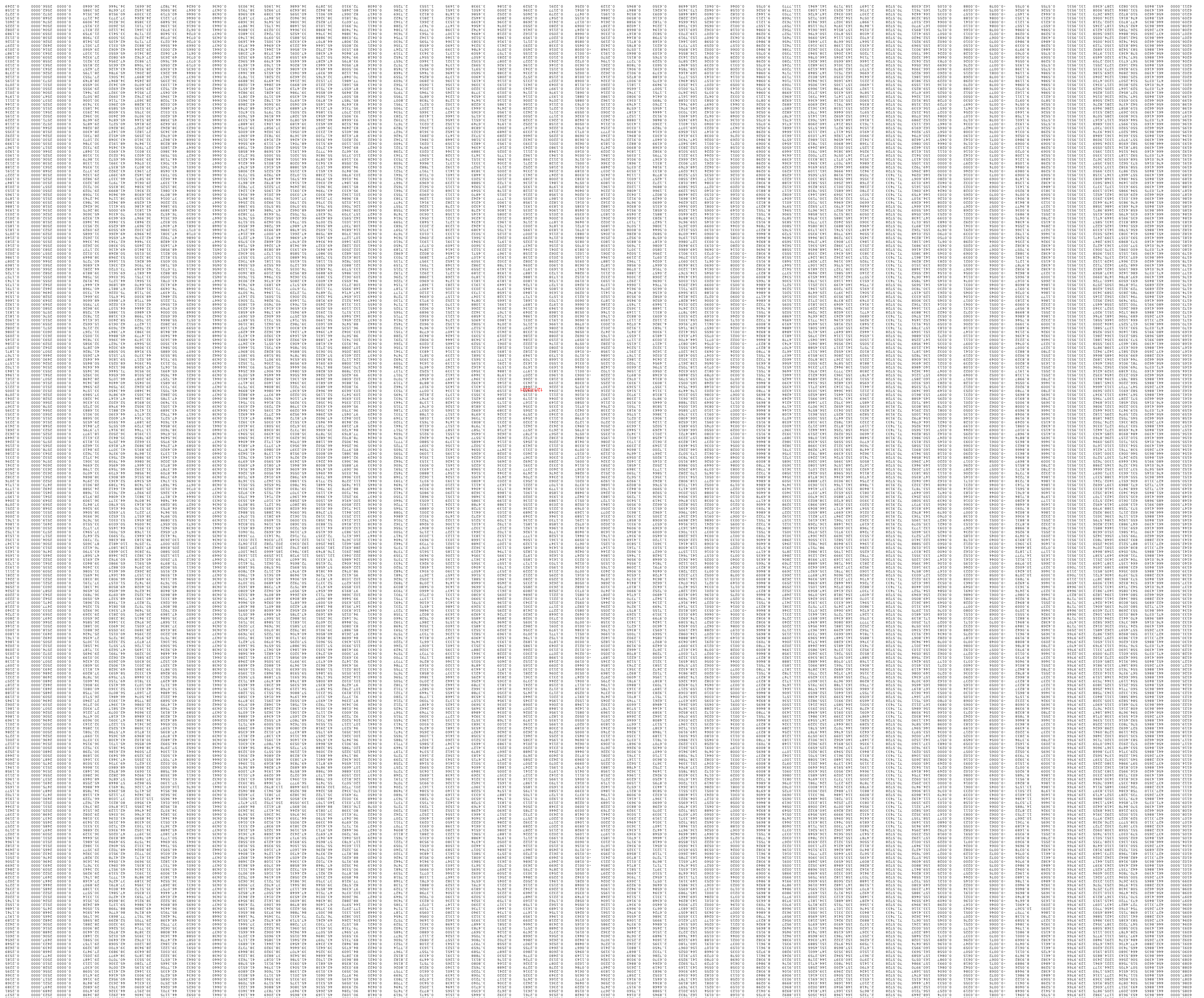
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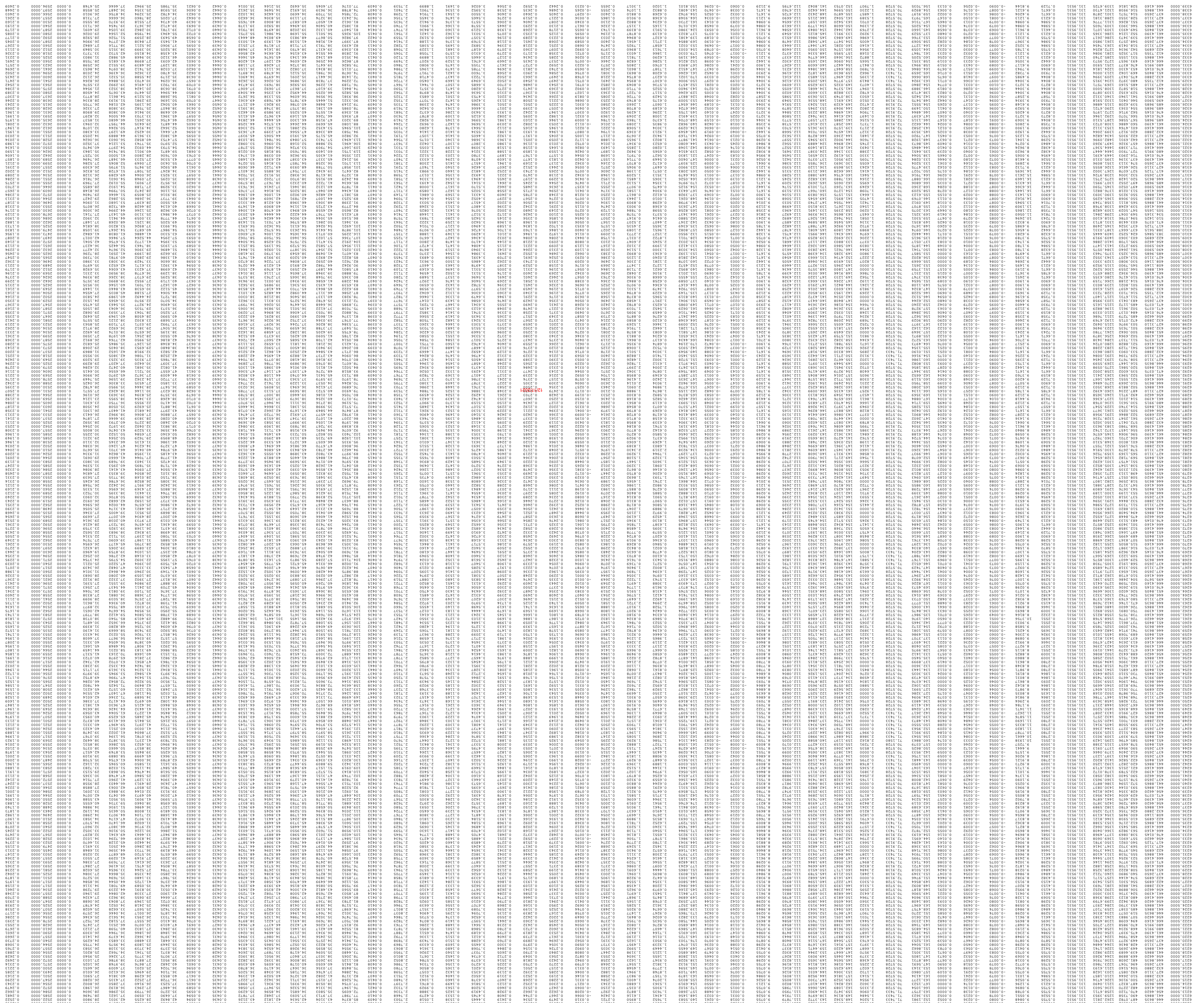

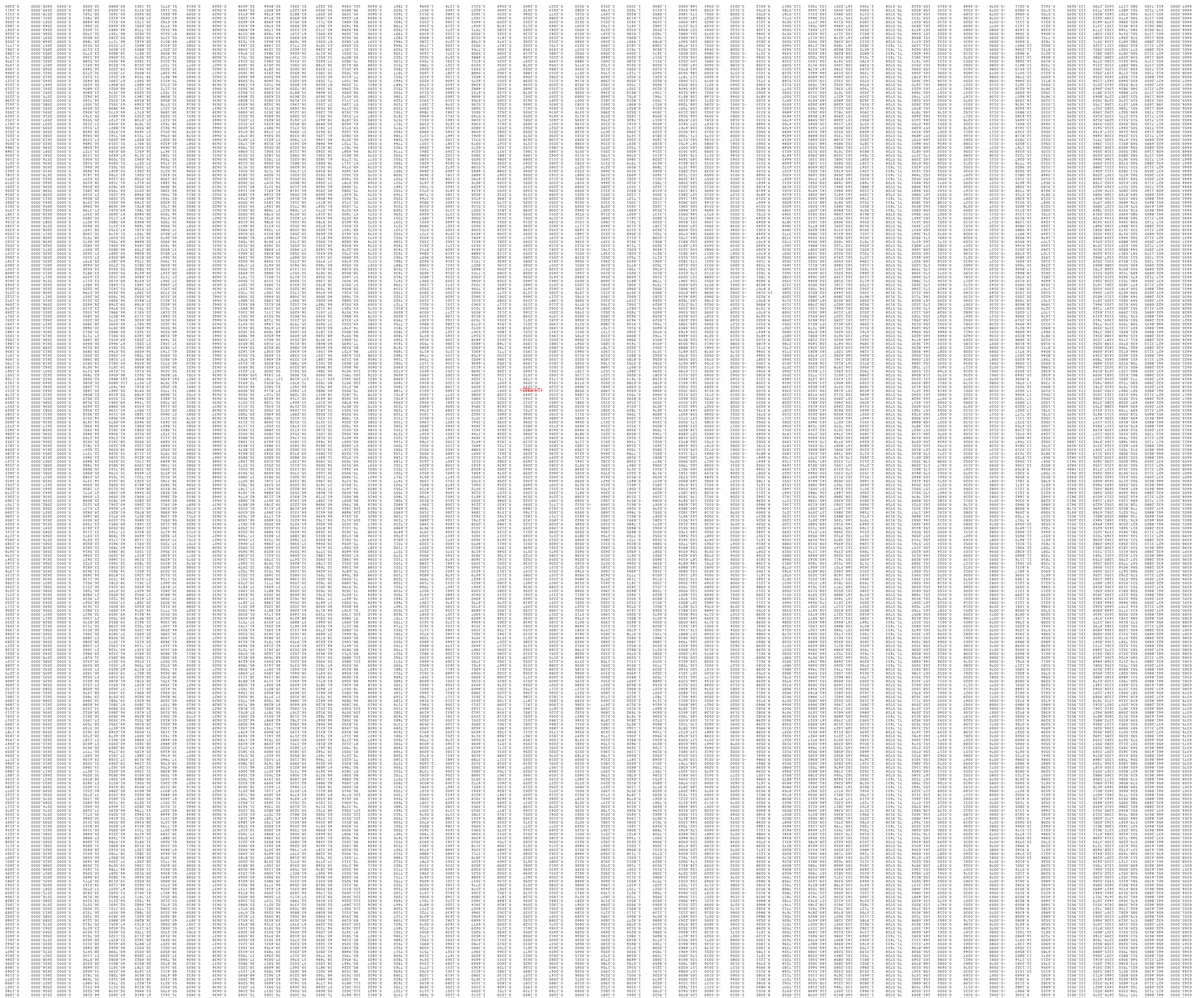
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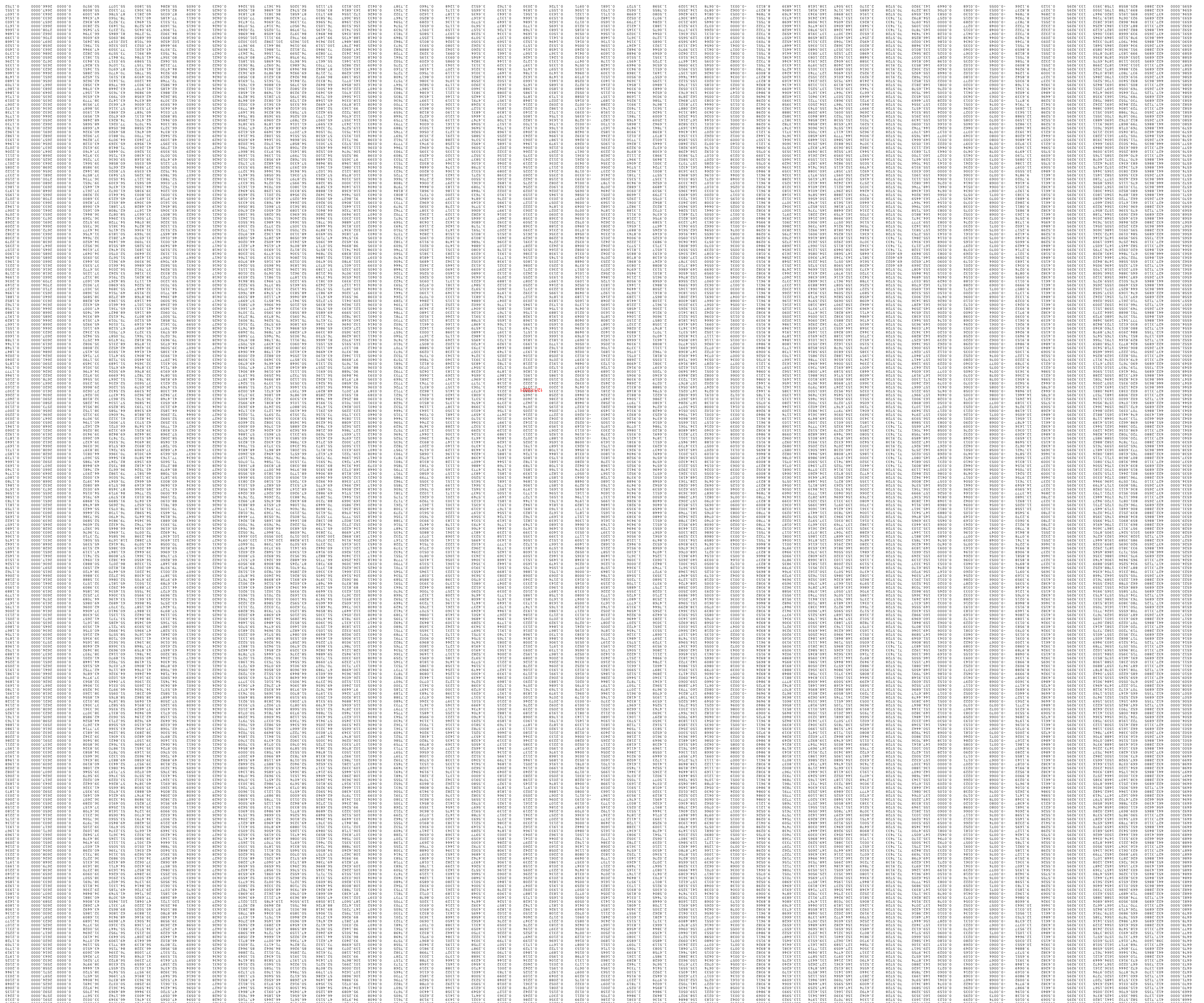
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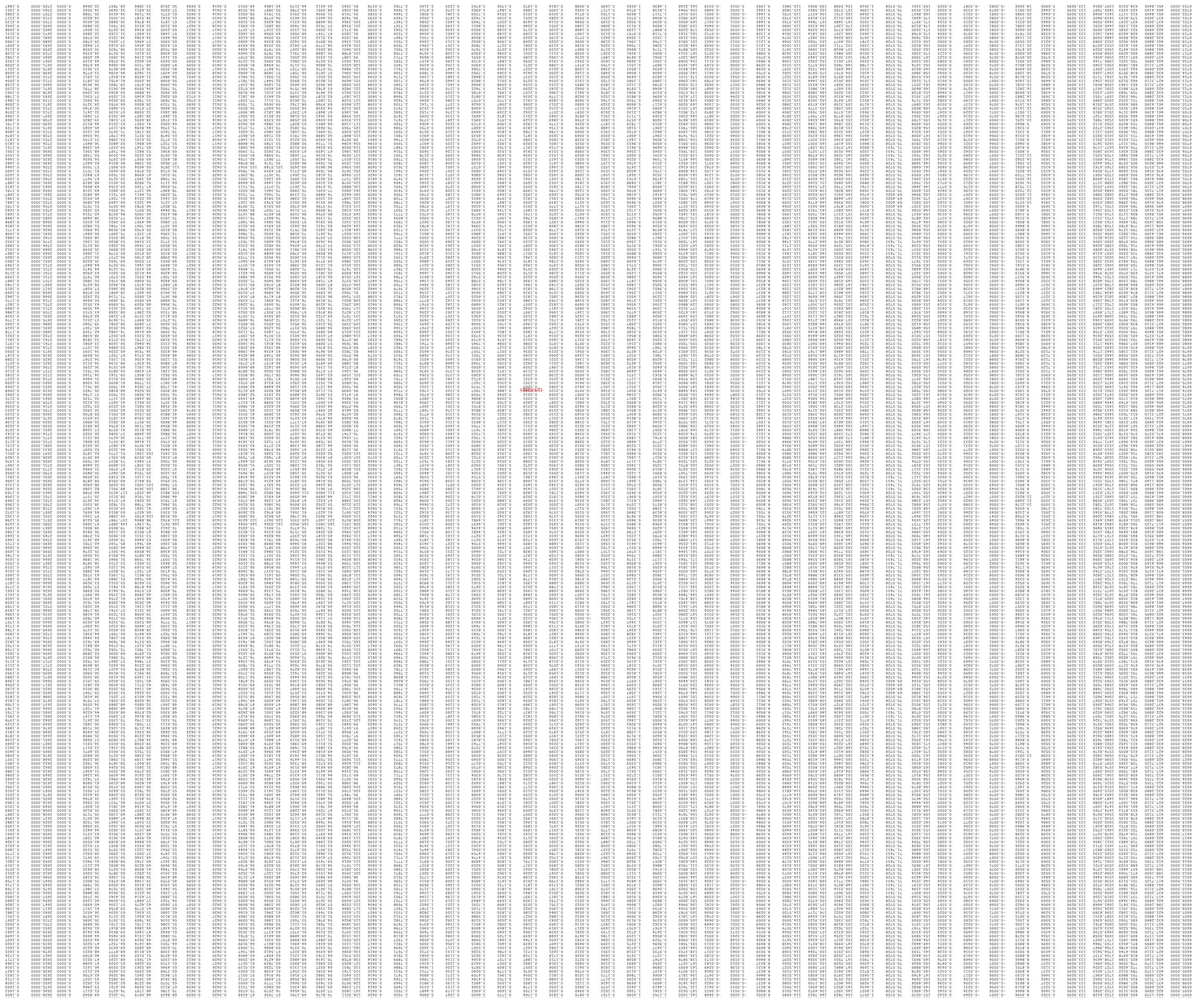
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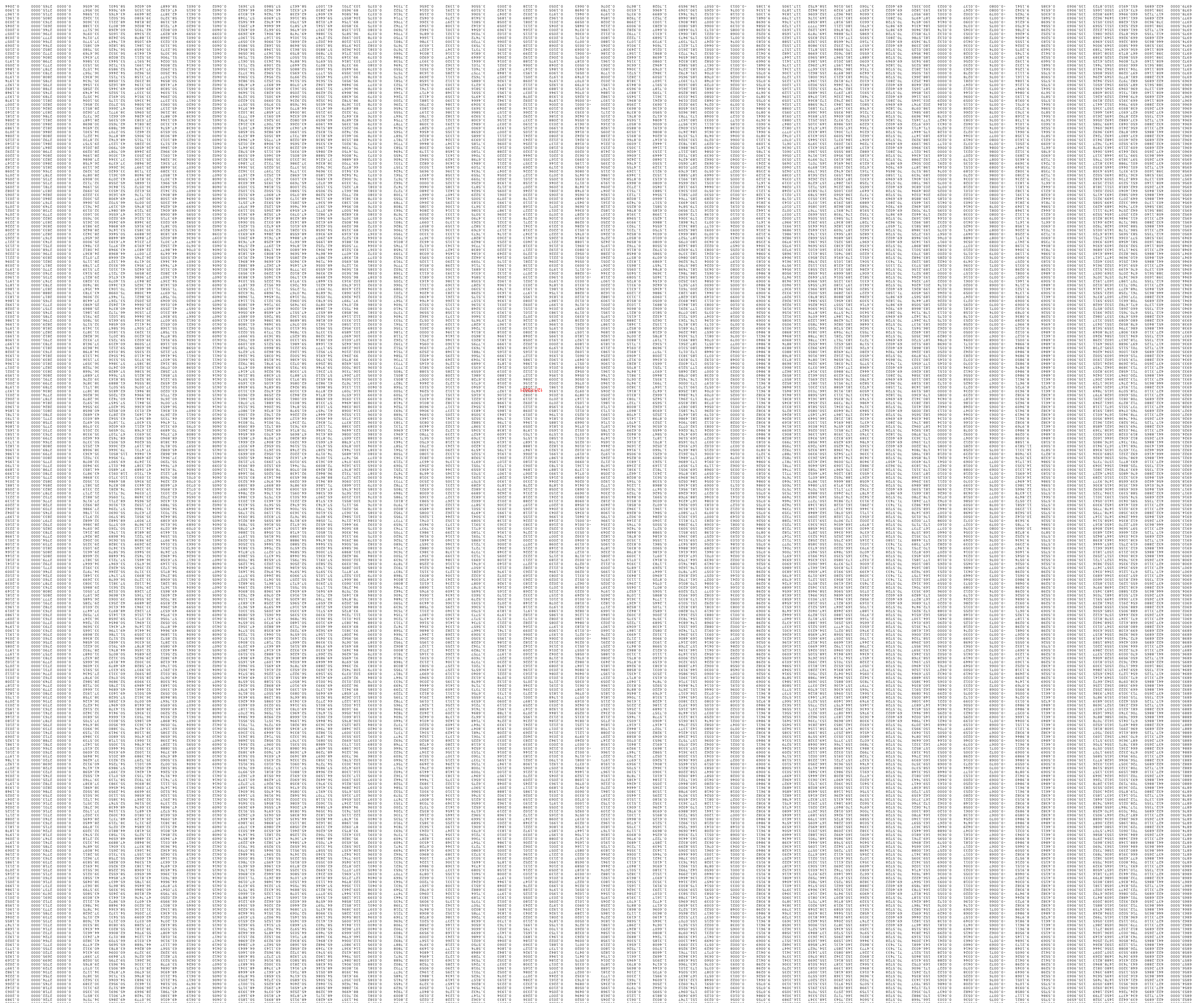
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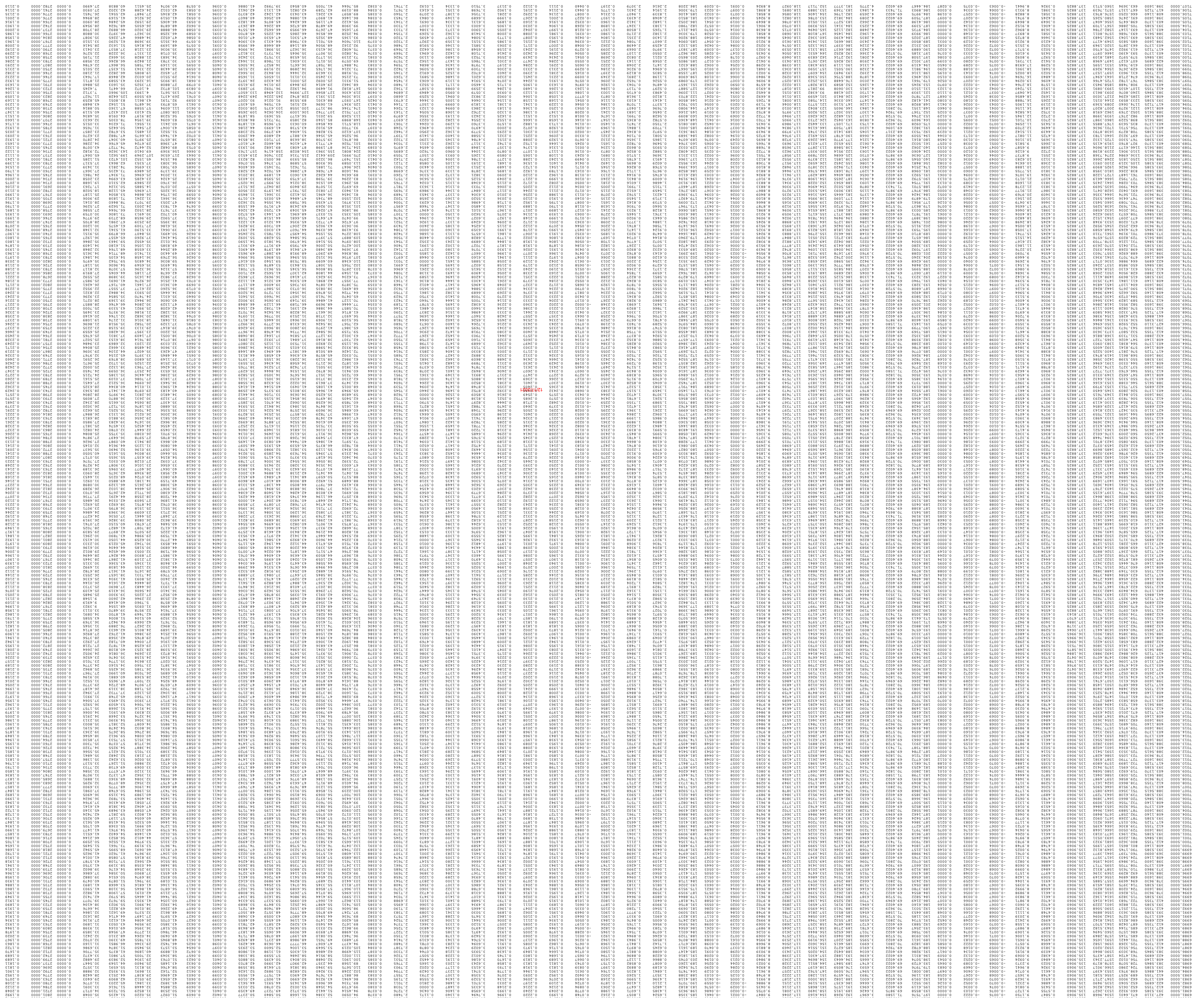

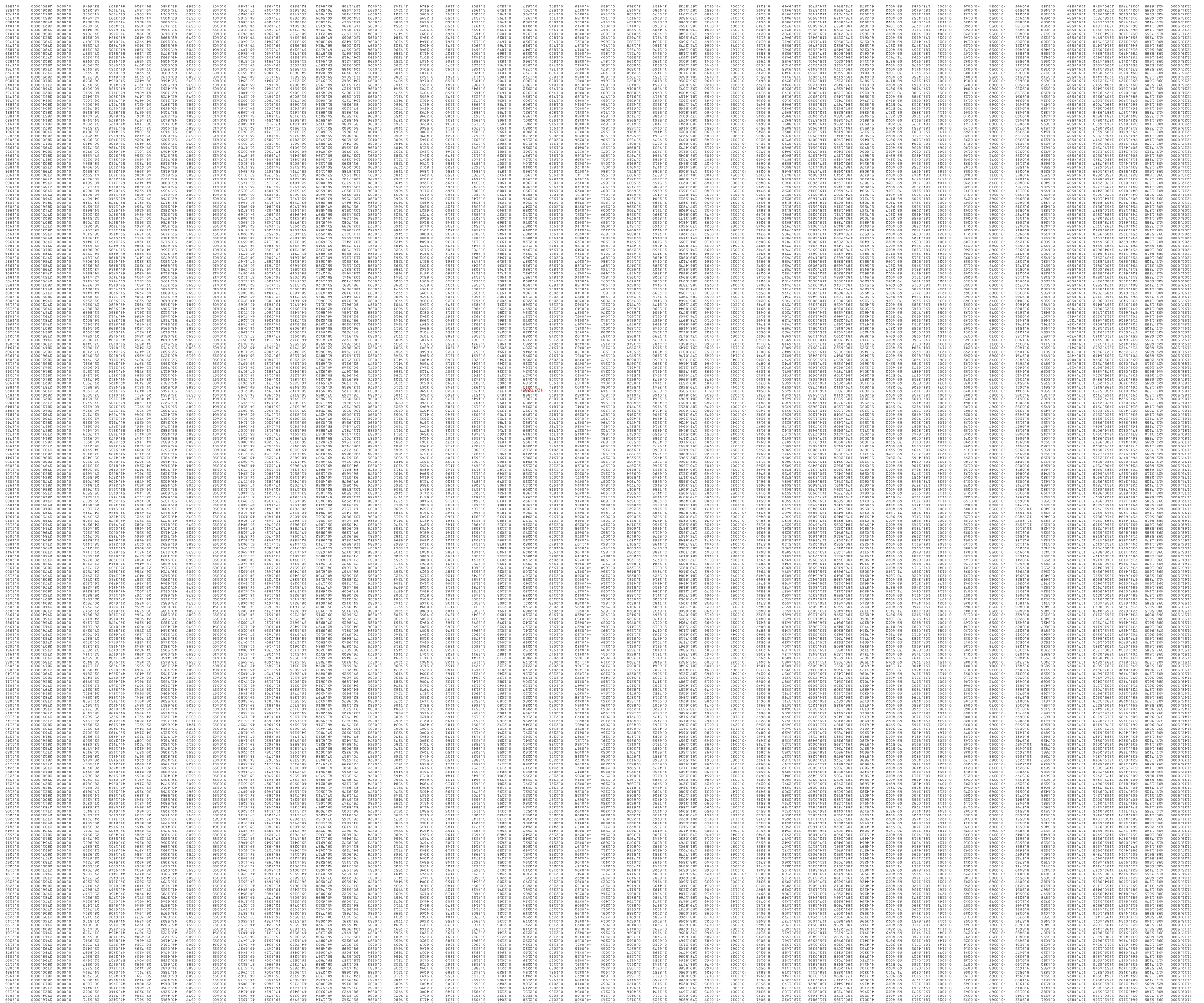
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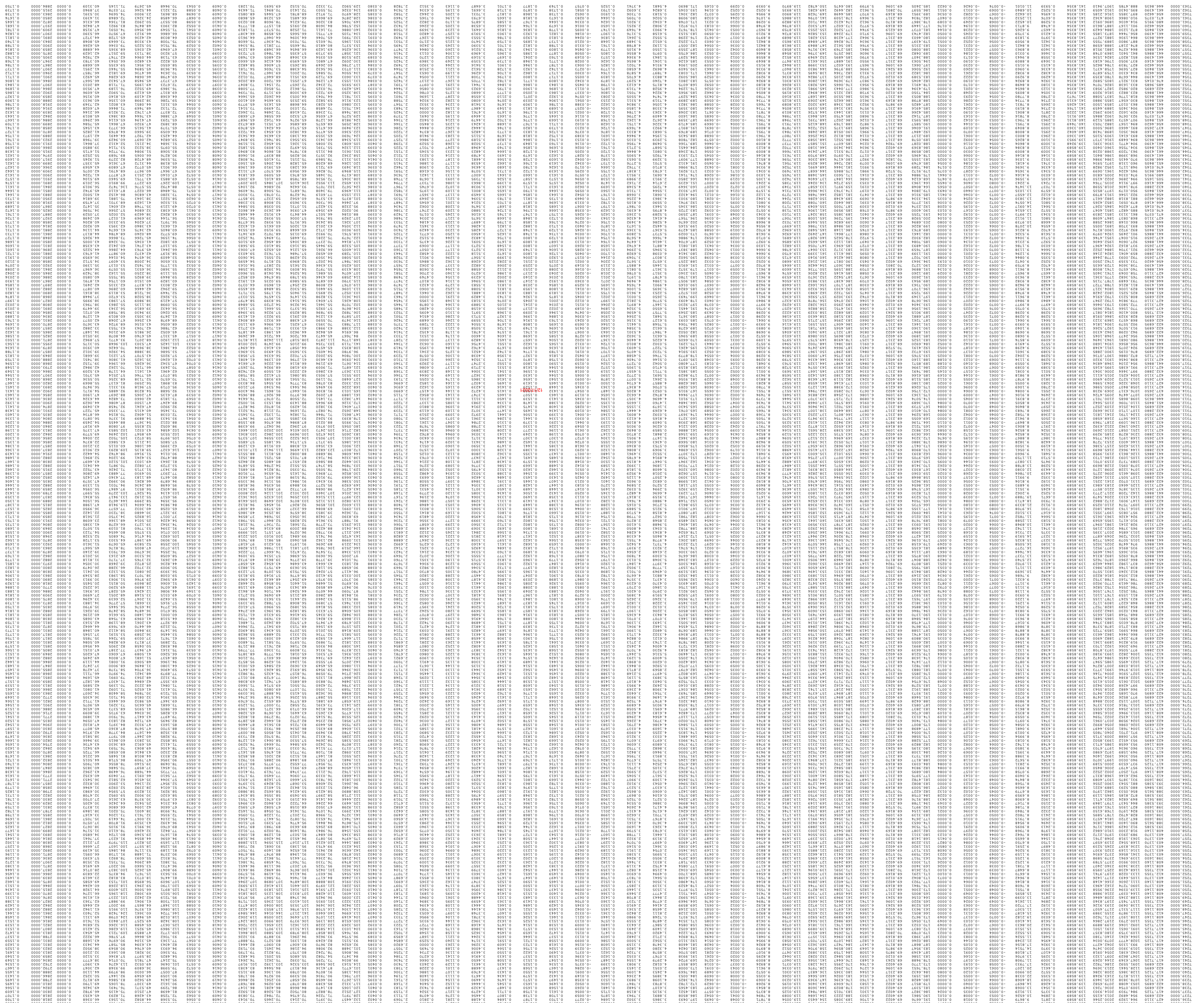
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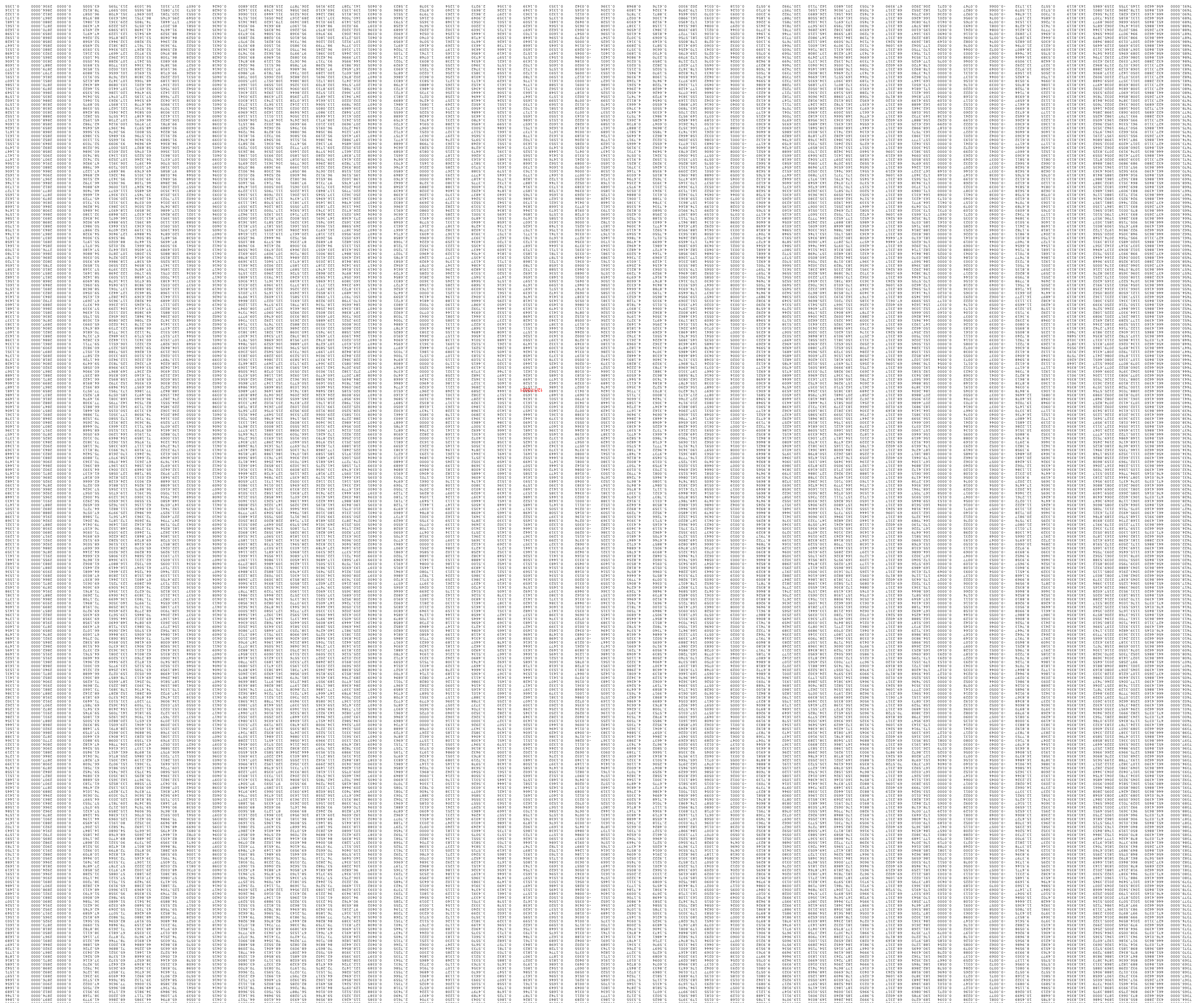
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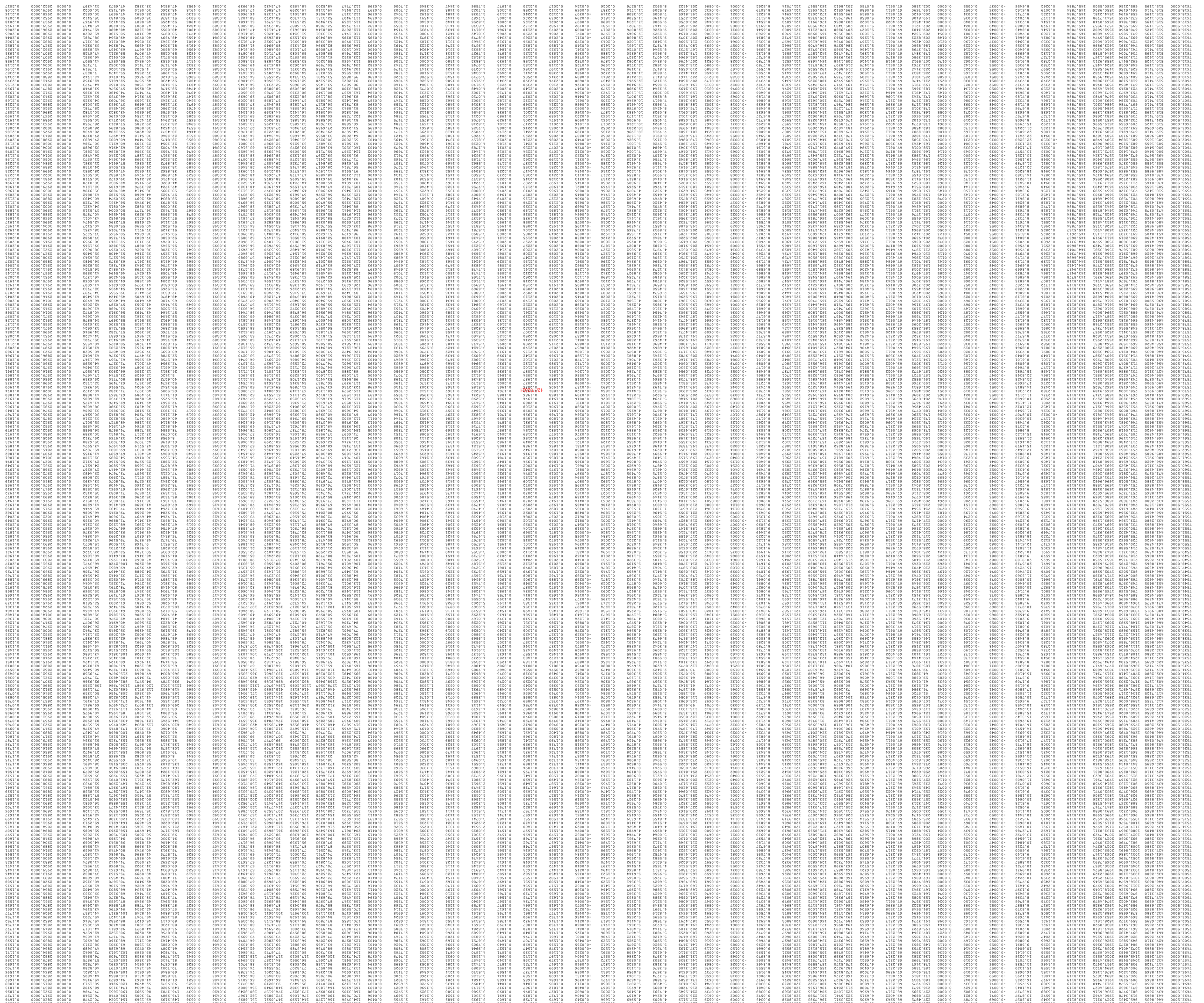
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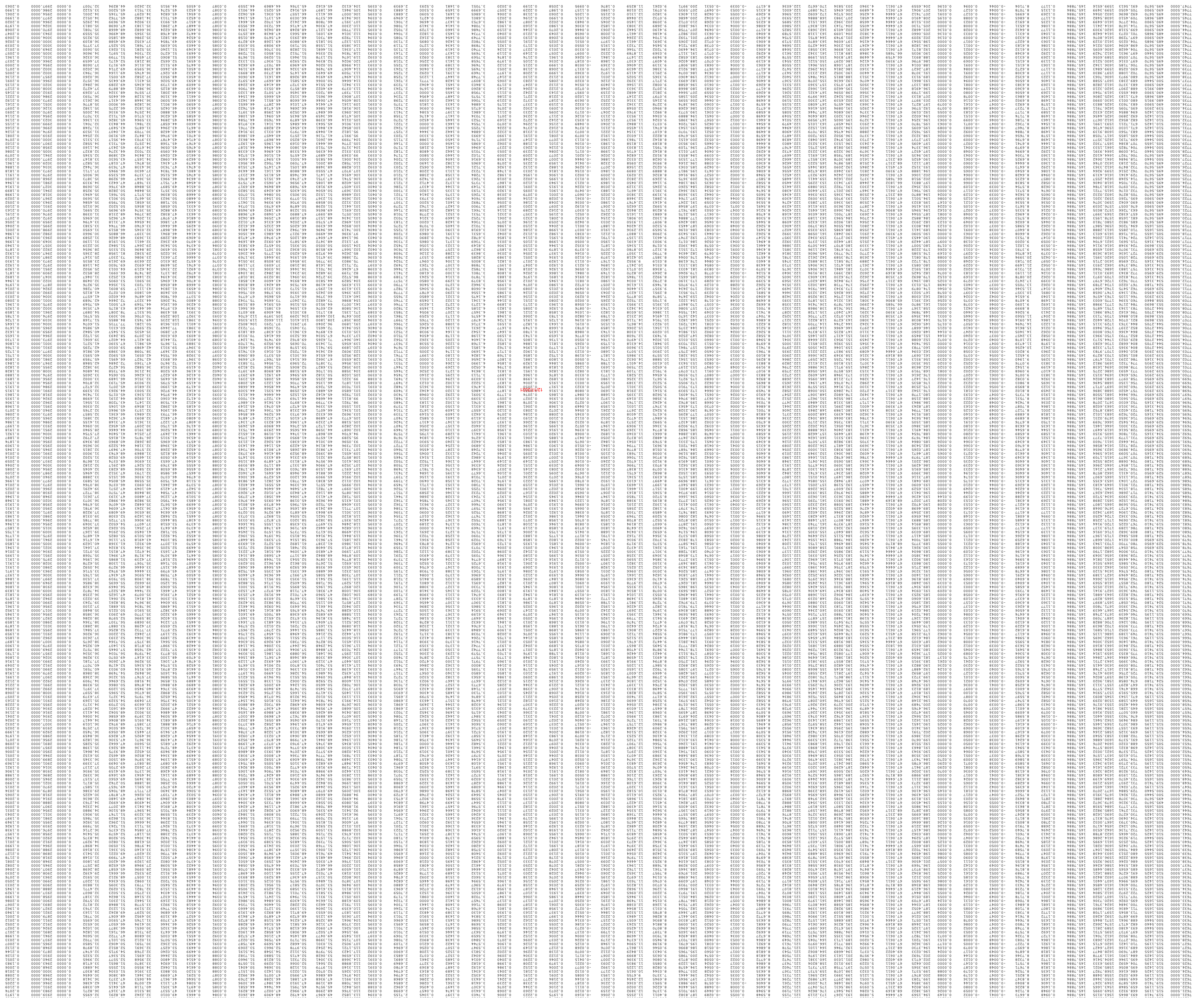
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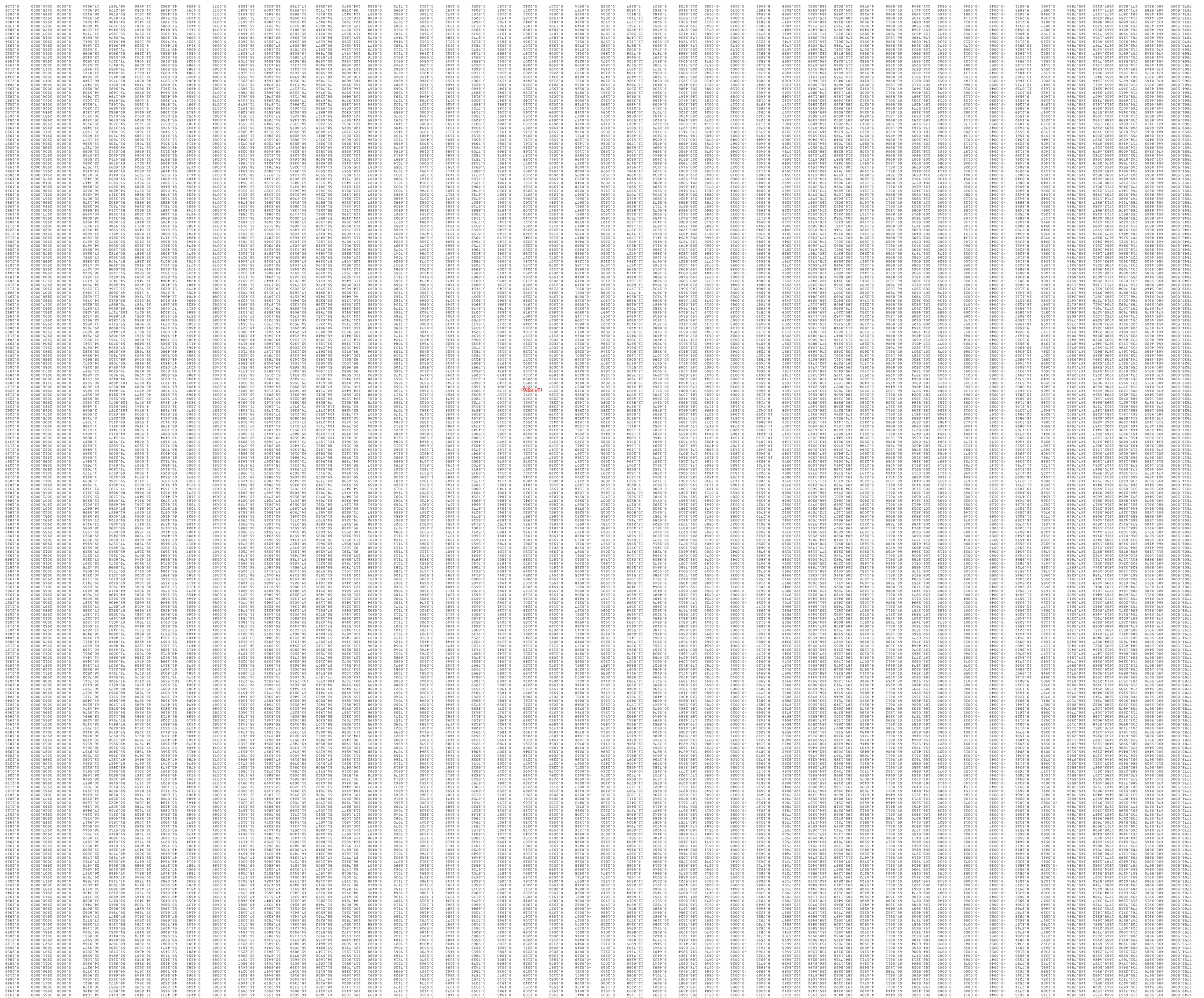
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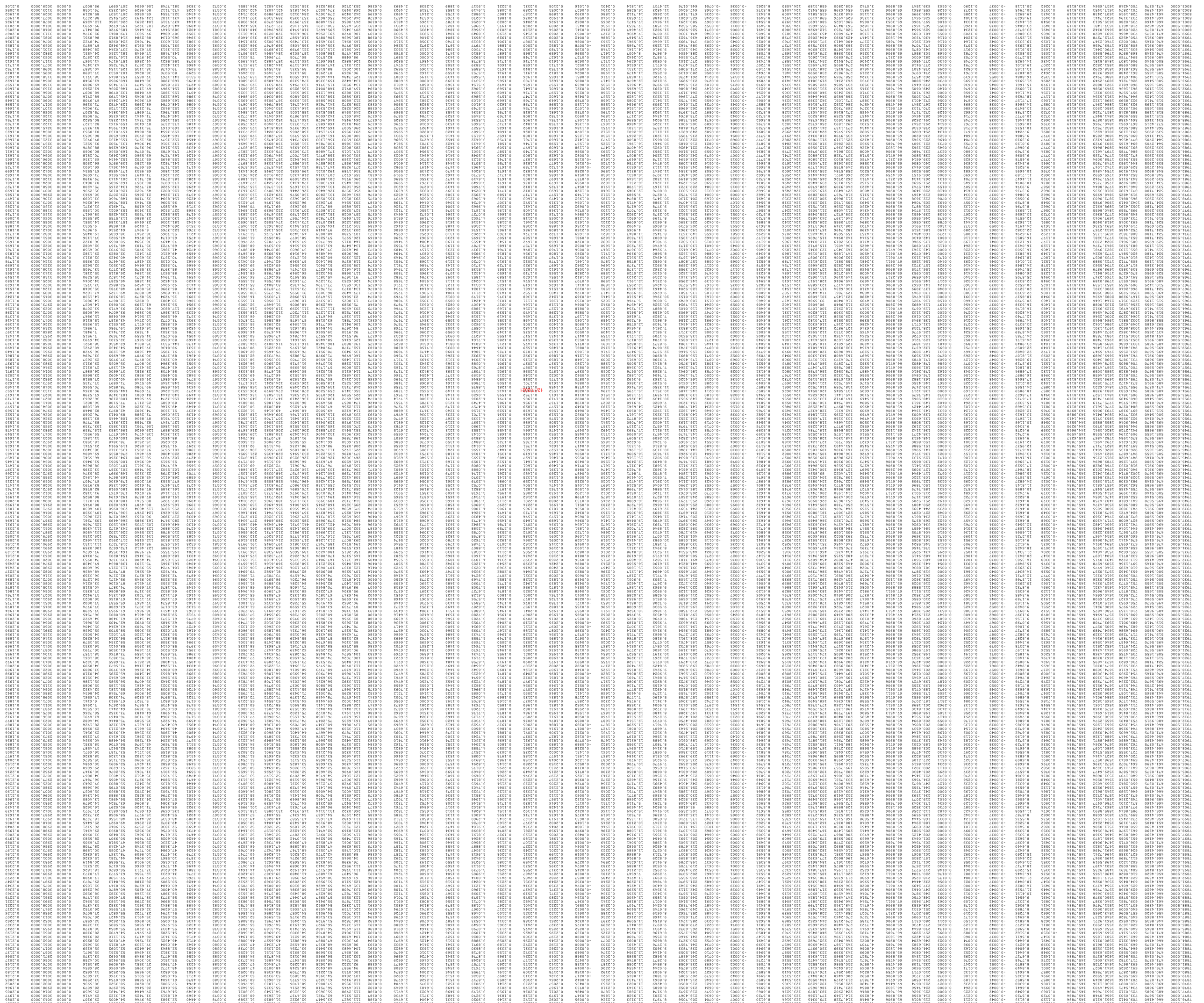
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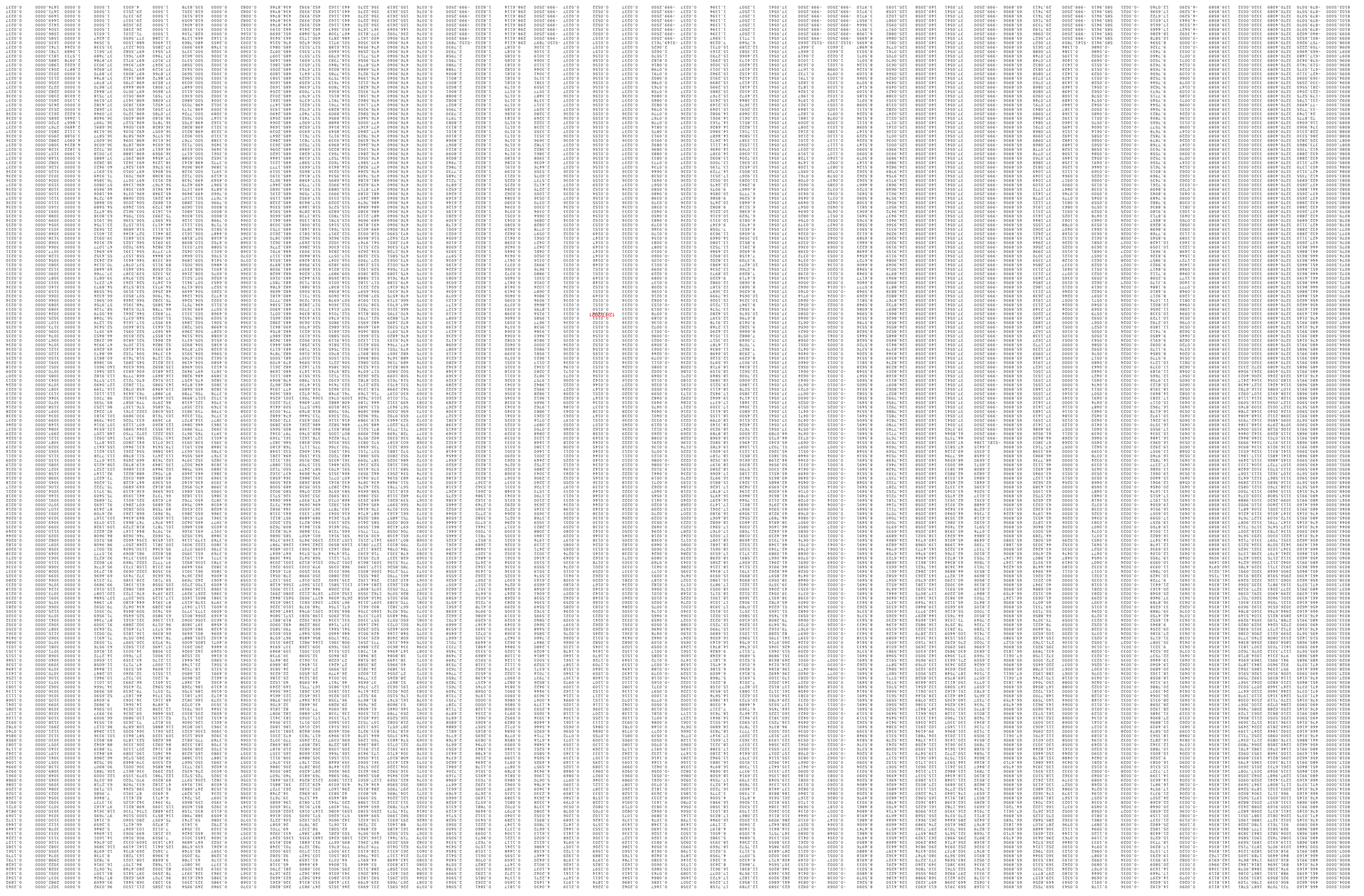
12/12/2021

```
~VERSION INFORMATION
VERS.           2.0   :CWLS Log ASCII Standard - VERSION 2.0
WRAP.           NO    :One Line per depth step
PROD.  Schlumberger   :LAS Producer
PROG.  DLIS to ASCII 17C0-154                          :LAS Program name and version
CREA.    2011/11/30 10:43                              :LAS Creation date {YYYY/MM/DD hh:mm}
DLIS_CREA.  2011-Nov-29 21:51                          :DLIS Creation date and time {YYYY-MMM-DD hh:mm}
SOURCE.  BYA5-00008_Enerplus_Tanner_1-8HG_FMI_(bottom_1000_ft)_Sonic_Main_Pass_044.DLIS  :DLIS File Name
FILE-ID.     FMI_SONIC_044PUP                          :File Identification Number
#---------------------------------------------------------------------------
~WELL INFORMATION
#MNEM.UNIT      DATA                DESCRIPTION
#---- ------  --------------------  -----------------------------
STRT .F       2346.0                :START DEPTH
STOP .F       8104.0                :STOP DEPTH
STEP .F        0.5                  :STEP
NULL .          -999.25             :NULL VALUE
COMP .        Enerplus Resources USA Corp.              :COMPANY
WELL .        Tanner 1-8HG                              :WELL
FLD  .        Wildcat                                   :FIELD
LOC  .        Latitude: 39.3951 N                       :LOCATION
CNTY .        Preston                                   :COUNTY
STAT .        West Virginia                             :STATE
CTRY .                                                  :COUNTRY
API  .        47-077-00582                              :API NUMBER
UWI  .        47-077-00582                              :UNIQUE WELL ID
DATE .        29-Nov-2011                               :LOG DATE {DD-MMM-YYYY}
SRVC .        Schlumberger                              :SERVICE COMPANY
LATI .DEG                                               :LATITUDE
LONG .DEG                                               :LONGITUDE
GDAT .                                                  :GeoDetic Datum
SECT .        Laurel Run                                :Section
RANG .        Terra Alta WV 7.5'                        :Range
TOWN .        Portland                                  :Township
#---------------------------------------------------------------------------
~PARAMETER INFORMATION
#MNEM.UNIT    VALUE                 DESCRIPTION
#---- ------  --------------------  -----------------------------
RUN  .        2A                    :RUN NUMBER
PDAT .        Ground Level          :Permanent Datum
EPD  .F       2520.000000           :Elevation of Permanent Datum above Mean Sea Level
LMF  .        Kelly Bushing         :Logging Measured From (Name of Logging Elevation Reference)
APD  .F         25.000000           :Elevation of Depth Reference (LMF) above Permanent Datum
#---------------------------------------------------------------------------
~CURVE INFORMATION
#MNEM.UNIT   API CODE                                   DESCRIPTION
#---- ------  ----------            ---------------------------
DEPT .F                                                 :DEPTH (BOREHOLE) {F10.1}
DT    .US/F                                             :Delta-T {F13.4}
GR_EDTC.GAPI                                            :EDTC Gamma Ray {F13.4}
SPHI .CFCP                                              :Sonic Porosity {F13.4}
TENS .LBF                                               :Cable Tension {F13.4}
#---------------------------------------------------------------------------
#
#
#
~A
```

DEPT	DT	GR_EDTC	SPHI	TENS
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2409.5	64.9330	94.3558	0.0860	1128.0000
2410.0	64.9330	95.2262	0.0860	1128.0000
2410.5	64.9330	101.5375	0.0860	1128.0000
2411.0	64.9330	95.2430	0.0860	1128.0000
2411.5	64.9330	90.6403	0.0860	1128.0000
2412.0	64.9330	80.0541	0.0860	1128.0000
2412.5	64.9330	72.3034	0.0860	1128.0000
2413.0	64.9330	57.3810	0.0860	1128.0000
2413.5	64.9330	53.3941	0.0860	1128.0000
2414.0	64.9330	45.6816	0.0860	1128.0000
2414.5	64.9330	48.4207	0.0860	1128.0000
2415.0	64.9330	53.5581	0.0860	1128.0000
2415.5	64.9330	60.8169	0.0860	1128.0000
2416.0	64.9330	61.6571	0.0860	1128.0000
2416.5	64.9330	58.4568	0.0860	1128.0000
2417.0	64.9330	48.9179	0.0860	1128.0000
2417.5	64.9330	44.1569	0.0860	1128.0000
2418.0	64.9330	38.7128	0.0860	1128.0000
2418.5	64.9330	44.6043	0.0860	1128.0000
2419.0	64.9330	42.2353	0.0860	1128.0000
2419.5	64.9330	47.2063	0.0860	1128.0000
2420.0	64.9330	52.6565	0.0860	1128.0000
2420.5	64.9330	63.0293	0.0860	1128.0000
2421.0	64.9330	59.5816	0.0860	1128.0000
2421.5	64.9330	52.3347	0.0860	1128.0000
2422.0	64.9330	49.0965	0.0860	1128.0000
2422.5	64.9330	45.1491	0.0860	1128.0000
2423.0	64.9330	44.2417	0.0860	1128.0000
2423.5	64.9330	41.0630	0.0860	1128.0000
2424.0	64.9330	45.7556	0.0860	1128.0000
2424.5	64.8792	49.5455	0.0855	1128.0000
2425.0	65.2984	48.6871	0.0890	1128.0000
2425.5	65.6026	42.3162	0.0915	1128.0000
2426.0	63.9888	40.7598	0.0780	1128.0000
2426.5	66.0977	43.0257	0.0955	1128.0000
2427.0	68.5924	49.4450	0.1147	1128.0000
2427.5	68.0091	52.2019	0.1104	1128.0000
2428.0	73.6349	44.9509	0.1497	1128.0000
2428.5	67.9726	40.9941	0.1101	1128.0000
2429.0	69.9020	33.7101	0.1243	1128.0000
2429.5	73.2499	44.3344	0.1472	1128.0000
2430.0	76.2783	62.2751	0.1662	1128.0000
2430.5	78.9717	76.3179	0.1818	1128.0000
2431.0	81.1487	85.6340	0.1937	1128.0000
2431.5	82.4200	85.1668	0.2003	1128.0000
2432.0	84.3024	86.7040	0.2098	1128.0000
2432.5	85.5488	79.7707	0.2159	1128.0000
2433.0	85.5659	78.5533	0.2160	1128.0000
2433.5	86.6228	85.3237	0.2209	1128.0000
2434.0	87.2639	91.2531	0.2239	1128.0000
2434.5	80.4545	93.6336	0.1900	1128.0000
2435.0	81.9715	85.2684	0.1980	1128.0000
2435.5	81.6301	82.8879	0.1962	1128.0000
2436.0	78.9889	70.5885	0.1819	1128.0000
2436.5	78.6215	63.0665	0.1798	1128.0000
2437.0	77.1219	50.3838	0.1712	1128.0000
2437.5	74.7180	45.9942	0.1566	1128.0000
2438.0	74.4383	44.8531	0.1548	1128.0000
2438.5	75.3101	53.1715	0.1603	1128.0000
2439.0	68.4085	62.3433	0.1134	1128.0000
2439.5	69.1912	71.4366	0.1192	1128.0000
2440.0	64.1337	70.6431	0.0793	1128.0000
2440.5	64.2012	67.7482	0.0798	1128.0000
2441.0	63.5959	65.7645	0.0746	1128.0000
2441.5	67.4504	64.1774	0.1061	1128.0000
2442.0	68.4116	65.8608	0.1134	1128.0000
2442.5	69.2837	61.0998	0.1198	1128.0000
2443.0	69.3417	53.5615	0.1203	1128.0000
2443.5	68.6210	47.6102	0.1150	1128.0000
2444.0	68.3166	44.0394	0.1127	1128.0000
2444.5	62.0344	47.6254	0.0608	1128.0000
2445.0	64.7781	47.6109	0.0847	1128.0000

2548.0	71.2836	148.1325	0.1340	1104.0000
2548.5	71.6620	154.4088	0.1366	1092.0000
2549.0	71.4928	141.2182	0.1354	1096.0000
2549.5	71.6154	148.0953	0.1363	1127.0000
2550.0	72.2766	144.9291	0.1407	1128.0000
2550.5	72.9411	151.7808	0.1452	1130.0000
2551.0	73.3455	149.6648	0.1478	1094.0000
2551.5	74.0827	154.0167	0.1526	1095.0000
2552.0	74.3025	154.9982	0.1540	1122.0000
2552.5	73.7576	146.0051	0.1505	1134.0000
2553.0	72.2311	139.1280	0.1404	1136.0000
2553.5	69.7956	138.0700	0.1235	1138.0000
2554.0	69.0583	138.5990	0.1182	1122.0000
2554.5	68.9106	145.2773	0.1171	1116.0000
2555.0	69.7420	148.9803	0.1232	1130.0000
2555.5	71.4762	148.8670	0.1353	1136.0000
2556.0	71.2496	139.6510	0.1338	1146.0000
2556.5	70.3844	138.0640	0.1277	1136.0000
2557.0	69.3205	127.5536	0.1201	1106.0000
2557.5	68.1705	131.2076	0.1116	1093.0000
2558.0	66.5189	131.7995	0.0988	1101.0000
2558.5	66.9474	150.8199	0.1022	1111.0000
2559.0	67.1714	149.7606	0.1039	1120.0000
2559.5	67.4948	142.7666	0.1064	1116.0000
2560.0	68.1636	123.2607	0.1115	1106.0000
2560.5	67.8025	117.1792	0.1088	1112.0000
2561.0	67.8089	118.2913	0.1088	1120.0000
2561.5	67.1965	119.3493	0.1041	1125.0000
2562.0	65.9388	126.4319	0.0942	1110.0000
2562.5	66.9082	125.8482	0.1019	1097.0000
2563.0	68.4733	139.1951	0.1139	1110.0000
2563.5	70.5345	138.6087	0.1288	1130.0000
2564.0	72.7239	149.7040	0.1437	1143.0000
2564.5	73.5986	152.3556	0.1494	1143.0000
2565.0	73.7535	149.2390	0.1504	1146.0000
2565.5	74.1604	152.3367	0.1530	1152.0000
2566.0	74.2498	154.0317	0.1536	1141.0000
2566.5	73.8048	160.7343	0.1508	1137.0000
2567.0	73.4534	149.8709	0.1485	1146.0000
2567.5	71.7855	146.4605	0.1374	1147.0000
2568.0	68.5296	136.5838	0.1143	1150.0000
2568.5	66.4880	136.4830	0.0986	1137.0000
2569.0	65.5886	130.1350	0.0914	1126.0000
2569.5	66.6039	135.8973	0.0995	1138.0000
2570.0	68.7055	143.9012	0.1156	1138.0000
2570.5	70.3415	146.5462	0.1274	1146.0000
2571.0	71.1266	147.2845	0.1329	1149.0000
2571.5	71.9969	143.1108	0.1389	1137.0000
2572.0	71.7510	152.1039	0.1372	1134.0000
2572.5	71.4249	149.7805	0.1350	1146.0000
2573.0	70.4622	142.3016	0.1283	1151.0000

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2573.5	68.8771	129.6054	0.1168	1147.0000
2574.0	67.9762	128.0732	0.1101	1139.0000
2574.5	67.3560	127.2860	0.1054	1156.0000
2575.0	69.3224	132.5167	0.1201	1170.0000
2575.5	71.6612	144.8306	0.1366	1166.0000
2576.0	69.8454	144.8306	0.1239	1144.0000
2576.5	68.1265	118.9416	0.1112	1128.0000
2577.0	64.7235	89.7314	0.0842	1127.0000
2577.5	59.8770	83.5872	0.0405	1134.0000
2578.0	61.9197	92.0032	0.0598	1149.0000
2578.5	65.1739	113.2482	0.0880	1143.0000
2579.0	67.7405	122.2413	0.1083	1133.0000
2579.5	70.9764	145.4596	0.1319	1133.0000
2580.0	72.0289	144.9292	0.1391	1136.0000
2580.5	70.0585	150.7483	0.1254	1138.0000
2581.0	69.6947	143.7268	0.1228	1146.0000
2581.5	69.5662	146.4316	0.1219	1154.0000
2582.0	68.7283	134.2645	0.1157	1161.0000
2582.5	70.1126	135.1718	0.1258	1161.0000
2583.0	69.7667	133.9388	0.1233	1154.0000
2583.5	69.6917	143.4609	0.1228	1144.0000
2584.0	69.5460	146.5341	0.1217	1167.0000
2584.5	70.8898	145.4761	0.1313	1166.0000
2585.0	71.5911	139.0753	0.1361	1155.0000
2585.5	68.8609	134.3711	0.1167	1159.0000
2586.0	65.7975	128.0231	0.0931	1150.0000
2586.5	61.8154	124.8530	0.0588	1145.0000
2587.0	59.2859	122.2583	0.0346	1158.0000
2587.5	59.1463	126.4666	0.0332	1159.0000
2588.0	59.7654	112.7613	0.0394	1147.0000
2588.5	60.4663	93.0809	0.0462	1141.0000
2589.0	60.9974	71.4154	0.0512	1130.0000
2589.5	60.8050	74.0605	0.0494	1151.0000
2590.0	60.7514	82.5245	0.0489	1159.0000
2590.5	61.0339	98.3947	0.0515	1149.0000
2591.0	60.7771	111.0908	0.0491	1142.0000
2591.5	60.9292	114.8381	0.0506	1134.0000
2592.0	61.5643	109.5065	0.0565	1141.0000
2592.5	63.6729	119.5848	0.0753	1146.0000
2593.0	67.2514	135.9397	0.1046	1151.0000
2593.5	69.0226	144.8689	0.1179	1158.0000
2594.0	69.3242	130.6499	0.1201	1162.0000
2594.5	68.2188	119.0118	0.1119	1158.0000
2595.0	65.3519	107.9692	0.0894	1143.0000
2595.5	63.1820	106.8642	0.0710	1144.0000
2596.0	61.9499	112.7407	0.0600	1159.0000
2596.5	61.9855	119.6092	0.0604	1179.0000
2597.0	62.1022	130.2026	0.0614	1172.0000
2597.5	62.9232	126.7215	0.0688	1152.0000
2598.0	62.9167	124.1240	0.0687	1151.0000
2598.5	63.8155	108.7253	0.0765	1167.0000
2599.0	62.7803	97.8261	0.0675	1161.0000
2599.5	61.5717	81.4508	0.0566	1156.0000
2600.0	60.8933	75.6317	0.0502	1168.0000
2600.5	59.7831	56.6113	0.0396	1138.0000
2601.0	59.6020	59.7893	0.0378	1135.0000
2601.5	60.6584	52.3832	0.0480	1144.0000
2602.0	61.5122	65.5596	0.0560	1162.0000
2602.5	63.3098	86.0506	0.0722	1159.0000
2603.0	65.5057	112.5009	0.0907	1135.0000
2603.5	67.1597	131.0473	0.1039	1121.0000
2604.0	68.9535	140.0293	0.1174	1144.0000
2604.5	70.6218	141.6164	0.1294	1170.0000
2605.0	71.1670	139.5865	0.1332	1168.0000
2605.5	71.9523	132.3039	0.1386	1153.0000
2606.0	72.0374	133.3039	0.1391	1147.0000
2606.5	71.5801	148.6642	0.1360	1155.0000
2607.0	71.5217	155.5413	0.1356	1163.0000
2607.5	70.9719	167.6202	0.1318	1178.0000
2608.0	70.1361	161.8588	0.1260	1176.0000
2608.5	70.2986	168.2069	0.1271	1171.0000
2609.0	69.8735	149.7378	0.1241	1158.0000
2609.5	68.9445	144.9984	0.1173	1160.0000
2610.0	69.1052	129.1805	0.1185	1169.0000
2610.5	70.0224	132.9837	0.1252	1171.0000
2611.0	70.5686	143.4124	0.1290	1161.0000
2611.5	72.6615	149.7082	0.1433	1163.0000
2612.0	73.8291	150.7662	0.1509	1146.0000
2612.5	73.5347	145.4762	0.1490	1131.0000
2613.0	73.5687	149.1792	0.1493	1154.0000
2613.5	72.6964	150.2372	0.1435	1156.0000
2614.0	71.5335	144.9471	0.1357	1155.0000
2614.5	70.8931	138.3753	0.1313	1144.0000
2615.0	70.4883	146.4454	0.1285	1139.0000
2615.5	69.5268	145.3874	0.1216	1160.0000
2616.0	68.1310	149.7813	0.1113	1177.0000
2616.5	65.7304	133.2940	0.0925	1161.0000
2617.0	62.8805	123.7719	0.0684	1154.0000
2617.5	61.1088	107.9637	0.0523	1151.0000
2618.0	61.3823	103.1557	0.0548	1150.0000
2618.5	62.0090	96.2787	0.0606	1161.0000
2619.0	62.5778	83.5826	0.0657	1175.0000
2619.5	62.2683	72.4735	0.0629	1163.0000
2620.0	62.4841	65.5964	0.0649	1161.0000
2620.5	63.0008	66.6663	0.0695	1167.0000
2621.0	63.4511	74.0724	0.0734	1162.0000
2621.5	64.4024	76.1265	0.0815	1151.0000
2622.0	64.8418	82.5341	0.0852	1159.0000
2622.5	64.2602	80.9471	0.0803	1155.0000
2623.0	63.9695	85.2048	0.0779	1166.0000
2623.5	63.2709	77.2240	0.0718	1163.0000
2624.0	62.7553	75.6694	0.0732	1154.0000
2624.5	62.5804	75.6694	0.0748	1153.0000
2625.0	61.8081	84.0476	0.0587	1152.0000
2625.5	61.4270	80.8412	0.0552	1160.0000
2626.0	60.2769	72.4134	0.0443	1171.0000
2626.5	59.0639	56.6033	0.0324	1169.0000
2627.0	58.7183	46.0080	0.0289	1154.0000
2627.5	59.1989	39.1482	0.0338	1156.0000
2628.0	60.5671	52.9360	0.0471	1161.0000
2628.5	61.7105	72.4453	0.0578	1170.0000
2629.0	62.9166	100.5700	0.0687	1163.0000
2629.5	63.7968	111.1164	0.0764	1143.0000
2630.0	63.7769	119.0317	0.0762	1143.0000
2630.5	63.9652	107.1104	0.0778	1168.0000
2631.0	65.7581	99.7043	0.0927	1166.0000
2631.5	65.2670	101.9191	0.0887	1162.0000
2632.0	63.7660	111.6198	0.0761	1155.0000
2632.5	62.3796	111.6198	0.0639	1153.0000
2633.0	61.5109	105.8457	0.0560	1166.0000
2633.5	64.0457	107.4327	0.0785	1162.0000
2634.0	65.9897	123.2455	0.0946	1163.0000
2634.5	67.9741	128.5422	0.1101	1168.0000
2635.0	67.4609	139.8499	0.1062	1158.0000
2635.5	66.9634	139.7926	0.1023	1171.0000
2636.0	66.1578	141.4353	0.0960	1174.0000
2636.5	65.2876	132.2436	0.0889	1159.0000
2637.0	64.9246	125.4324	0.0859	1159.0000
2637.5	63.1679	107.8997	0.0709	1166.0000
2638.0	62.5994	100.4936	0.0659	1166.0000
2638.5	62.7247	105.3035	0.0670	1161.0000
2639.0	62.8657	119.0259	0.0683	1163.0000
2639.5	62.9877	119.6005	0.0693	1159.0000
2640.0	62.9112	116.9555	0.0687	1158.0000
2640.5	62.7293	105.8464	0.0670	1168.0000
2641.0	62.8123	104.7427	0.0678	1166.0000
2641.5	62.8647	96.2787	0.0682	1171.0000
2642.0	62.9058	98.1840	0.0686	1166.0000
2642.5	62.8318	94.9296	0.0680	1155.0000
2643.0	63.0996	92.8904	0.0703	1169.0000
2643.5	63.1674	97.8621	0.0709	1183.0000
2644.0	63.2585	105.8274	0.0717	1176.0000
2644.5	63.6864	107.3780	0.0754	1161.0000
2645.0	63.8612	103.1459	0.0769	1158.0000
2645.5	63.7766	101.0800	0.0762	1151.0000
2646.0	63.8061	111.0908	0.0765	1174.0000
2646.5	63.5786	121.6709	0.0745	1178.0000
2647.0	63.0377	104.4516	0.0698	1179.0000
2647.5	63.0632	86.9944	0.0700	1149.0000
2648.0	63.1252	73.2060	0.0705	1130.0000
2648.5	63.2516	83.0576	0.0717	1147.0000
2649.0	63.4143	87.2896	0.0731	1177.0000
2649.5	63.4362	92.5323	0.0733	1177.0000
2650.0	63.4335	85.1461	0.0732	1161.0000

2804.0	60.1413	66.3156	0.0430	1208.0000
2804.5	60.9816	66.7688	0.0511	1195.0000
2805.0	63.0737	75.4974	0.0701	1193.0000
2805.5	63.9889	86.8019	0.0780	1228.0000
2806.0	63.7765	90.9083	0.0762	1238.0000
2806.5	63.8547	84.7998	0.0769	1220.0000
2807.0	64.9242	86.8022	0.0859	1188.0000
2807.5	66.9601	104.9492	0.1023	1171.0000
2808.0	68.6444	121.1953	0.1151	1217.0000
2808.5	68.0281	115.2730	0.1105	1253.0000
2809.0	67.3160	102.0834	0.1051	1234.0000
2809.5	69.3730	97.6713	0.1205	1191.0000
2810.0	68.2683	98.4358	0.1123	1188.0000
2810.5	67.6500	86.1997	0.1076	1212.0000
2811.0	65.6548	70.7363	0.0919	1231.0000
2811.5	61.3248	59.3461	0.0543	1219.0000
2812.0	61.0571	60.7698	0.0518	1187.0000
2812.5	61.0735	64.1374	0.0519	1200.0000
2813.0	61.9351	71.4912	0.0599	1226.0000
2813.5	63.3026	94.9929	0.0721	1236.0000
2814.0	65.2962	109.2983	0.0890	1219.0000
2814.5	68.9825	127.4157	0.1176	1190.0000
2815.0	70.7990	133.6539	0.1306	1196.0000
2815.5	70.4716	141.0305	0.1283	1221.0000
2816.0	69.7249	130.1423	0.1230	1236.0000
2816.5	66.9285	122.0569	0.1021	1235.0000
2817.0	64.1119	105.5962	0.0791	1200.0000
2817.5	62.1995	104.7840	0.0623	1183.0000
2818.0	61.1586	86.7160	0.0527	1214.0000
2818.5	60.9169	92.1174	0.0504	1261.0000
2819.0	61.9089	92.0588	0.0597	1253.0000
2819.5	63.1536	107.3495	0.0708	1188.0000
2820.0	63.8518	106.5158	0.0769	1193.0000
2820.5	63.9246	106.4430	0.0775	1197.0000
2821.0	64.2802	101.0972	0.0805	1224.0000
2821.5	64.0871	104.8550	0.0789	1210.0000
2822.0	64.2014	117.4944	0.0798	1191.0000
2822.5	64.6981	121.1996	0.0840	1205.0000
2823.0	63.8926	119.1809	0.0772	1232.0000
2823.5	65.2934	109.7536	0.0890	1232.0000
2824.0	66.8392	117.8313	0.1014	1210.0000
2824.5	69.1193	130.0544	0.1186	1202.0000
2825.0	71.3543	144.6274	0.1345	1202.0000
2825.5	71.9338	150.8864	0.1384	1222.0000
2826.0	72.5194	151.4347	0.1424	1220.0000
2826.5	72.1510	150.7621	0.1399	1194.0000
2827.0	71.9255	146.2656	0.1384	1191.0000
2827.5	70.6141	145.8191	0.1293	1221.0000
2828.0	67.7239	140.3890	0.1082	1232.0000
2828.5	65.2797	136.6860	0.0888	1219.0000
2829.0	63.1284	132.9575	0.0706	1184.0000

2803.5	60.3008	67.2755	0.0446	1232.0000
2803.0	60.5723	61.6786	0.0472	1235.0000
2802.5	60.5384	52.1742	0.0469	1219.0000
2802.0	60.9879	45.7508	0.0511	1191.0000
2801.5	61.3176	46.9994	0.0542	1187.0000
2801.0	61.4619	51.0825	0.0555	1213.0000
2800.5	61.4780	49.9993	0.0557	1226.0000
2800.0	61.4524	57.0193	0.0555	1221.0000
2799.5	61.5952	61.9429	0.0568	1199.0000
2799.0	61.8103	62.1381	0.0588	1188.0000
2798.5	62.0293	59.8182	0.0608	1199.0000
2798.0	62.3689	68.7724	0.0638	1212.0000
2797.5	62.4035	77.8459	0.0641	1224.0000
2797.0	62.4393	95.0439	0.0645	1220.0000
2796.5	62.4066	99.7298	0.0642	1196.0000
2796.0	62.3272	110.3147	0.0634	1200.0000
2795.5	62.5614	108.5418	0.0655	1211.0000
2795.0	63.9402	120.3247	0.0776	1216.0000
2794.5	65.0642	128.3018	0.0871	1205.0000
2794.0	66.5065	142.8194	0.0987	1194.0000
2793.5	66.9913	137.3811	0.1025	1175.0000
2793.0	66.0810	136.0588	0.0953	1191.0000
2792.5	64.9355	124.8087	0.0860	1218.0000
2792.0	63.6815	113.9321	0.0754	1221.0000
2791.5	63.1811	102.1365	0.0710	1210.0000
2791.0	63.2470	102.5333	0.0716	1191.0000
2790.5	63.3657	107.5557	0.0727	1180.0000
2790.0	62.9989	99.8175	0.0694	1202.0000
2789.5	62.6226	87.9421	0.0661	1227.0000
2789.0	62.4652	77.9345	0.0647	1209.0000
2788.5	62.3021	86.5451	0.0632	1187.0000
2788.0	62.7992	95.6637	0.0677	1185.0000
2787.5	63.1130	107.8999	0.0704	1206.0000
2787.0	62.9898	108.2625	0.0694	1211.0000
2786.5	62.8903	104.1067	0.0685	1204.0000
2786.0	62.3788	98.6684	0.0639	1199.0000
2785.5	61.7003	94.7113	0.0577	1201.0000
2785.0	61.4473	90.1181	0.0554	1196.0000
2784.5	61.2960	96.9572	0.0540	1185.0000
2784.0	62.9560	110.5219	0.0691	1181.0000
2783.5	65.9941	130.6127	0.0946	1180.0000
2783.0	70.2018	149.9764	0.1264	1191.0000
2782.5	70.8824	154.9615	0.1312	1204.0000
2782.0	69.3860	141.3512	0.1206	1197.0000
2781.5	66.7897	119.9265	0.1010	1191.0000
2781.0	63.2619	102.3162	0.0717	1200.0000
2780.5	62.3823	102.6923	0.0639	1193.0000
2780.0	62.6439	99.7630	0.0663	1210.0000
2779.5	62.6543	106.4967	0.0664	1206.0000
2779.0	62.7225	110.4377	0.0670	1190.0000
2778.5	62.7538	116.1443	0.0673	1188.0000

2778.0	62.5371	120.3105	0.0653	1212.0000
2777.5	62.8184	109.4853	0.0678	1216.0000
2777.0	62.8613	107.9021	0.0682	1220.0000
2776.5	62.9136	104.6839	0.0687	1206.0000
2776.0	62.9994	112.0600	0.0694	1176.0000
2775.5	63.0169	107.9006	0.0696	1174.0000
2775.0	62.9829	107.1424	0.0693	1188.0000
2774.5	63.1249	100.4086	0.0705	1208.0000
2774.0	63.2305	102.6746	0.0715	1209.0000
2773.5	63.3028	103.4315	0.0721	1180.0000
2773.0	63.3556	116.0568	0.0726	1152.0000
2772.5	63.3291	116.0568	0.0723	1160.0000
2772.0	63.2762	107.0037	0.0719	1187.0000
2771.5	63.2892	102.4718	0.0720	1209.0000
2771.0	63.3510	97.9733	0.0725	1208.0000
2770.5	63.2898	105.8727	0.0720	1172.0000
2770.0	63.2436	112.2174	0.0716	1149.0000
2769.5	63.2667	112.2509	0.0718	1176.0000
2769.0	63.3053	105.6282	0.0721	1190.0000
2768.5	63.2551	90.3108	0.0717	1212.0000
2768.0	63.1931	95.2677	0.0711	1200.0000
2767.5	63.0917	97.1464	0.0703	1166.0000
2767.0	63.1145	98.9010	0.0705	1166.0000
2766.5	63.0653	88.4959	0.0700	1186.0000
2766.0	63.0183	98.0231	0.0696	1202.0000
2765.5	63.0875	101.6525	0.0702	1205.0000
2765.0	62.9375	111.7359	0.0689	1184.0000
2764.5	63.0397	112.2343	0.0698	1161.0000
2764.0	63.0090	112.6133	0.0695	1171.0000
2763.5	62.9623	120.0194	0.0691	1184.0000
2763.0	62.9702	117.9119	0.0692	1183.0000
2762.5	62.9379	119.0259	0.0689	1202.0000
2762.0	62.9858	105.2717	0.0693	1192.0000
2761.5	62.9630	101.4367	0.0691	1163.0000
2761.0	63.0943	98.2627	0.0703	1166.0000
2760.5	63.0798	96.2155	0.0701	1175.0000
2760.0	63.1776	86.3438	0.0710	1179.0000
2759.5	63.2292	86.8729	0.0715	1214.0000
2759.0	63.2565	88.3621	0.0717	1218.0000
2758.5	63.5128	102.4977	0.0739	1194.0000
2758.0	63.9739	112.0197	0.0779	1171.0000
2757.5	64.0177	122.7281	0.0783	1167.0000
2757.0	64.2640	126.4219	0.0804	1169.0000
2756.5	64.7013	126.9509	0.0841	1188.0000
2756.0	65.5790	130.2754	0.0913	1185.0000
2755.5	66.7281	130.9137	0.1005	1177.0000
2755.0	66.4940	136.7328	0.0986	1172.0000
2754.5	64.8931	127.4899	0.0857	1169.0000
2754.0	63.7461	120.6129	0.0759	1197.0000
2753.5	63.0803	116.9667	0.0702	1204.0000
2753.0	63.3875	122.2079	0.0728	1180.0000
2752.5	64.3755	132.2590	0.0813	1176.0000

2752.0	65.6983	131.2554	0.0923	1178.0000
2751.5	64.0464	126.9852	0.0785	1183.0000
2751.0	62.7770	107.0490	0.0675	1192.0000
2750.5	60.9248	84.7473	0.0505	1216.0000
2750.0	59.3171	76.3372	0.0350	1212.0000
2749.5	60.3184	86.2224	0.0447	1185.0000
2749.0	61.4641	103.1227	0.0556	1168.0000
2748.5	62.3188	111.6198	0.0634	1171.0000
2748.0	61.5168	94.6916	0.0560	1195.0000
2747.5	60.9747	83.0535	0.0510	1211.0000
2747.0	60.7897	77.1744	0.0492	1187.0000
2746.5	61.0927	89.3825	0.0521	1164.0000
2746.0	61.8704	97.2734	0.0593	1154.0000
2745.5	61.8260	97.8625	0.0589	1161.0000
2745.0	60.7199	92.0699	0.0486	1202.0000
2744.5	60.5487	86.2213	0.0470	1204.0000
2744.0	60.7236	106.8525	0.0486	1184.0000
2743.5	60.8374	123.2383	0.0497	1175.0000
2743.0	61.7334	130.6720	0.0580	1168.0000
2742.5	61.4221	102.6625	0.0552	1181.0000
2742.0	60.2404	80.5299	0.0440	1205.0000
2741.5	60.1672	72.1119	0.0433	1184.0000
2741.0	60.0141	81.6063	0.0418	1172.0000
2740.5	60.0309	84.6405	0.0420	1185.0000
2740.0	60.4369	86.7566	0.0459	1208.0000
2739.5	60.1472	96.3302	0.0431	1193.0000
2739.0	60.3698	113.2363	0.0452	1181.0000
2738.5	61.5422	123.8164	0.0563	1159.0000
2738.0	63.9712	131.2927	0.0779	1155.0000
2737.5	64.2886	129.6290	0.0806	1184.0000
2737.0	64.1168	124.8679	0.0791	1191.0000
2736.5	63.5086	110.5060	0.0739	1175.0000
2736.0	61.2786	103.1585	0.0538	1163.0000
2735.5	61.0671	101.5714	0.0519	1166.0000
2735.0	62.0311	104.2198	0.0608	1183.0000
2734.5	62.5777	109.5032	0.0657	1199.0000
2734.0	62.5939	113.2063	0.0658	1188.0000
2733.5	62.4859	109.2480	0.0649	1168.0000
2733.0	61.8329	106.1208	0.0590	1149.0000
2732.5	61.1028	100.3838	0.0522	1161.0000
2732.0	61.0160	99.4544	0.0514	1203.0000
2731.5	61.4963	99.9834	0.0559	1185.0000
2731.0	64.0042	110.5900	0.0782	1161.0000
2730.5	67.2265	121.7254	0.1044	1168.0000
2730.0	69.4975	141.8276	0.1214	1179.0000
2729.5	70.4559	148.1292	0.1282	1179.0000
2729.0	69.7925	156.0544	0.1235	1191.0000
2728.5	68.7916	152.3514	0.1162	1179.0000
2728.0	68.0111	149.6945	0.1104	1147.0000
2727.5	68.6181	147.6425	0.1149	1155.0000
2727.0	68.9356	137.1133	0.1173	1167.0000
2726.5	68.2385	134.9469	0.1121	1179.0000

2726.0	68.2779	138.6500	0.1124	1187.0000
2725.5	68.2253	156.6586	0.1120	1167.0000
2725.0	66.4090	163.9994	0.0980	1147.0000
2724.5	66.7087	154.1981	0.1003	1145.0000
2724.0	69.1470	147.8421	0.1188	1163.0000
2723.5	70.5566	144.3064	0.1289	1178.0000
2723.0	71.4461	145.2137	0.1351	1186.0000
2722.5	71.4286	135.6261	0.1350	1153.0000
2722.0	69.6474	130.2341	0.1225	1141.0000
2721.5	68.7426	131.7220	0.1159	1166.0000
2721.0	69.8194	143.8891	0.1237	1178.0000
2720.5	70.0225	144.4181	0.1252	1177.0000
2720.0	71.5871	152.3532	0.1361	1152.0000
2719.5	72.9160	139.1280	0.1450	1137.0000
2719.0	71.7496	146.4311	0.1372	1158.0000
2718.5	70.8319	136.4886	0.1309	1175.0000
2718.0	69.3162	141.7200	0.1201	1176.0000
2717.5	68.4426	147.6420	0.1136	1164.0000
2717.0	67.6831	147.0580	0.1079	1160.0000
2716.5	67.5227	152.3414	0.1067	1152.0000
2716.0	66.9300	141.2323	0.1021	1179.0000
2715.5	67.1232	144.3528	0.1036	1186.0000
2715.0	67.8928	139.6571	0.1095	1168.0000
2714.5	67.6655	137.0120	0.1077	1162.0000
2714.0	67.8993	138.0700	0.1095	1169.0000
2713.5	67.8224	133.1051	0.1089	1179.0000
2713.0	67.6236	147.9172	0.1074	1188.0000
2712.5	68.4893	150.5622	0.1140	1183.0000
2712.0	68.7439	156.0562	0.1159	1168.0000
2711.5	69.7896	155.1412	0.1235	1176.0000
2711.0	70.4092	147.1020	0.1279	1175.0000
2710.5	70.5579	148.1600	0.1290	1183.0000
2710.0	70.3425	129.0682	0.1274	1188.0000
2709.5	69.4737	132.7620	0.1212	1170.0000
2709.0	69.1198	133.2910	0.1186	1163.0000
2708.5	69.3173	149.6629	0.1201	1170.0000
2708.0	69.9299	152.3200	0.1245	1172.0000
2707.5	69.5357	158.6680	0.1217	1204.0000
2707.0	69.0630	145.3748	0.1182	1191.0000
2706.5	68.4875	149.1791	0.1140	1156.0000
2706.0	67.3652	138.5990	0.1054	1151.0000
2705.5	66.8749	143.3601	0.1016	1170.0000
2705.0	66.5266	149.1791	0.0989	1186.0000
2704.5	65.6016	148.2323	0.0915	1201.0000
2704.0	65.1888	143.4052	0.0881	1172.0000
2703.5	65.0490	123.3030	0.0869	1145.0000
2703.0	64.4887	116.3616	0.0823	1155.0000
2702.5	64.8510	114.2629	0.0853	1181.0000
2702.0	67.3679	116.3789	0.1087	1192.0000
2701.5	67.7898	120.5640	0.1087	1178.0000

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2932.0	59.2575	77.0056	0.0344	1229.0000
2932.5	63.4278	106.8137	0.0732	1217.0000
2933.0	67.3479	123.3063	0.1053	1209.0000
2933.5	70.1343	137.1516	0.1260	1224.0000
2934.0	73.0359	140.6284	0.1458	1234.0000
2934.5	74.2659	145.9941	0.1537	1243.0000
2935.0	73.6045	143.3458	0.1495	1229.0000
2935.5	73.0126	139.6428	0.1456	1210.0000
2936.0	71.9838	134.3008	0.1388	1214.0000
2936.5	72.7530	139.1248	0.1439	1220.0000
2937.0	73.7229	140.7118	0.1502	1237.0000
2937.5	74.6849	141.2987	0.1564	1238.0000
2938.0	74.7510	137.0043	0.1568	1224.0000
2938.5	72.3904	139.1204	0.1415	1222.0000
2939.0	69.6442	123.8386	0.1224	1235.0000
2939.5	65.4628	116.3810	0.0903	1227.0000
2940.0	61.1095	90.2662	0.0523	1216.0000
2940.5	59.3811	80.7441	0.0356	1221.0000
2941.0	57.8442	65.9320	0.0199	1232.0000
2941.5	58.1633	65.0384	0.0232	1227.0000
2942.0	61.9754	82.5459	0.0603	1233.0000
2942.5	65.4771	108.9961	0.0905	1234.0000
2943.0	69.3822	130.1299	0.1205	1227.0000
2943.5	72.1807	140.7233	0.1401	1235.0000
2944.0	70.5154	141.2522	0.1287	1227.0000
2944.5	69.5263	137.6555	0.1216	1225.0000
2945.0	68.0580	124.3669	0.1107	1225.0000
2945.5	65.8999	117.9694	0.0939	1237.0000
2946.0	66.4913	116.3804	0.0986	1247.0000
2946.5	67.3905	132.2505	0.1056	1222.0000
2947.0	69.7057	141.3951	0.1229	1220.0000
2947.5	70.3860	142.9841	0.1277	1232.0000
2948.0	70.5848	143.5131	0.1291	1221.0000
2948.5	70.9825	138.5953	0.1319	1210.0000
2949.0	72.0330	155.0150	0.1391	1199.0000
2949.5	73.0683	145.5484	0.1460	1196.0000
2950.0	72.7400	151.8886	0.1438	1217.0000
2950.5	73.2392	138.6469	0.1471	1250.0000
2951.0	73.0332	134.8883	0.1458	1250.0000
2951.5	73.3598	133.8930	0.1479	1227.0000
2952.0	73.8389	140.1862	0.1510	1213.0000
2952.5	72.2719	150.7023	0.1407	1206.0000
2953.0	70.2207	146.5264	0.1266	1206.0000
2953.5	67.8497	133.8303	0.1092	1231.0000
2954.0	64.9078	122.5437	0.0858	1234.0000
2954.5	64.3391	106.1240	0.0810	1238.0000
2955.0	63.0543	104.5370	0.0699	1249.0000
2955.5	62.1090	104.1507	0.0615	1231.0000
2956.0	62.6763	113.7324	0.0666	1229.0000
2956.5	62.2724	104.7393	0.0630	1234.0000
2957.0	62.4086	97.4321	0.0642	1222.0000

2957.5	61.9387	85.6986	0.0599	1221.0000
2958.0	61.6716	86.2276	0.0575	1219.0000
2958.5	62.2253	84.1116	0.0625	1225.0000
2959.0	61.8595	86.2276	0.0592	1246.0000
2959.5	63.0352	92.0467	0.0698	1242.0000
2960.0	65.0334	101.6184	0.0868	1226.0000
2960.5	66.5423	113.7855	0.0990	1216.0000
2961.0	68.3166	126.4242	0.1127	1197.0000
2961.5	69.2322	135.6160	0.1195	1210.0000
2962.0	69.5737	136.1450	0.1219	1242.0000
2962.5	70.3636	129.2765	0.1276	1243.0000
2963.0	72.0798	130.6781	0.1394	1225.0000
2963.5	71.1502	137.0856	0.1331	1230.0000
2964.0	68.6154	134.9262	0.1149	1232.0000
2964.5	65.3391	105.2907	0.0893	1233.0000
2965.0	62.8454	89.8901	0.0681	1244.0000
2965.5	65.0300	92.0495	0.0868	1238.0000
2966.0	70.2429	128.0410	0.1267	1222.0000
2966.5	73.7782	142.3241	0.1506	1205.0000
2967.0	72.5214	139.1989	0.1424	1208.0000
2967.5	68.9145	102.0978	0.1171	1235.0000
2968.0	64.1333	69.8285	0.0793	1253.0000
2968.5	60.7189	46.0233	0.0486	1238.0000
2969.0	60.9885	44.2380	0.0511	1226.0000
2969.5	60.6702	44.7670	0.0481	1237.0000
2970.0	60.3254	52.7021	0.0448	1242.0000
2970.5	60.4869	53.9583	0.0464	1261.0000
2971.0	60.5846	58.1666	0.0473	1260.0000
2971.5	59.9280	61.3698	0.0410	1227.0000
2972.0	60.1757	62.9568	0.0434	1210.0000
2972.5	60.7758	64.0135	0.0491	1222.0000
2973.0	63.8959	77.2551	0.0772	1251.0000
2973.5	67.9157	106.3504	0.1097	1280.0000
2974.0	69.4435	114.3105	0.1210	1257.0000
2974.5	70.0550	117.4389	0.1254	1222.0000
2975.0	69.0096	104.2594	0.1178	1213.0000
2975.5	65.7622	118.5426	0.0928	1216.0000
2976.0	66.0140	109.5495	0.0948	1243.0000
2976.5	65.3646	103.1558	0.0895	1252.0000
2977.0	64.0248	88.3437	0.0783	1233.0000
2977.5	64.0374	92.5757	0.0784	1220.0000
2978.0	63.2415	90.9531	0.0716	1216.0000
2978.5	64.9649	96.5291	0.0862	1230.0000
2979.0	66.5005	99.1741	0.0987	1250.0000
2979.5	70.1578	123.4122	0.1261	1253.0000
2980.0	72.4887	138.5879	0.1422	1232.0000
2980.5	72.3381	159.7481	0.1412	1216.0000
2981.0	71.2554	166.0803	0.1338	1213.0000
2981.5	70.7478	166.0803	0.1303	1222.0000
2982.0	70.4771	153.3842	0.1284	1251.0000
2982.5	71.1868	146.6547	0.1333	1266.0000
2983.0	71.4509	153.4113	0.1352	1241.0000
2983.5	69.6766	150.2908	0.1227	1217.0000
2984.0	66.9687	128.0726	0.1024	1227.0000
2984.5	63.3471	102.6803	0.0725	1244.0000
2985.0	61.7652	107.6242	0.0583	1260.0000
2985.5	63.1300	98.1021	0.0706	1257.0000
2986.0	65.0125	120.0153	0.0868	1238.0000
2986.5	68.2688	140.1777	0.1123	1232.0000
2987.0	71.0404	160.2799	0.1323	1249.0000
2987.5	69.8246	147.5470	0.1237	1275.0000
2988.0	68.4866	138.5917	0.1140	1270.0000
2988.5	66.7732	126.4246	0.1008	1252.0000
2989.0	65.3657	136.0521	0.0896	1232.0000
2989.5	64.7105	142.8312	0.0841	1238.0000
2990.0	65.7532	137.0121	0.0927	1263.0000
2990.5	65.9845	137.0121	0.0946	1253.0000
2991.0	67.4549	141.2441	0.1061	1251.0000
2991.5	67.3294	144.3654	0.1052	1238.0000
2992.0	66.4445	133.8782	0.0982	1233.0000
2992.5	65.9668	123.8271	0.0944	1238.0000
2993.0	64.8964	114.8038	0.0857	1241.0000
2993.5	65.4227	107.3896	0.0900	1257.0000
2994.0	66.0554	112.1506	0.0951	1262.0000
2994.5	67.2238	120.1172	0.1044	1247.0000
2995.0	68.0796	131.1978	0.1109	1229.0000
2995.5	68.2191	128.5528	0.1119	1238.0000
2996.0	68.3666	131.7783	0.1131	1243.0000
2996.5	68.6267	136.4831	0.1150	1235.0000
2997.0	68.7910	140.1861	0.1162	1238.0000
2997.5	69.6644	147.5922	0.1226	1246.0000
2998.0	69.7753	148.1212	0.1234	1242.0000
2998.5	70.0101	147.1353	0.1251	1234.0000
2999.0	69.4575	142.5256	0.1211	1228.0000
2999.5	70.1472	130.1351	0.1331	1278.0000
3000.0	70.9899	134.3671	0.1320	1260.0000
3000.5	71.0369	133.3091	0.1323	1233.0000
3001.0	70.4263	134.3130	0.1280	1222.0000
3001.5	67.4959	119.0566	0.1065	1266.0000
3002.0	65.2566	113.2376	0.0887	1285.0000
3002.5	64.1981	112.1283	0.0798	1292.0000
3003.0	64.7579	117.9619	0.0845	1263.0000
3003.5	66.5439	130.1290	0.0990	1226.0000
3004.0	68.5220	143.3903	0.1142	1239.0000
3004.5	69.0356	149.1669	0.1180	1275.0000
3005.0	69.5152	153.9279	0.1215	1286.0000
3005.5	69.9776	142.8548	0.1248	1278.0000
3006.0	70.7246	139.6768	0.1301	1245.0000
3006.5	70.4362	130.6837	0.1281	1225.0000
3007.0	69.1119	121.7239	0.1186	1250.0000
3007.5	68.6464	118.4970	0.1151	1286.0000
3008.0	68.2464	115.8005	0.1122	1284.0000
3008.5	69.2460	120.0821	0.1196	1292.0000
3009.0	69.7543	124.3142	0.1232	1250.0000

3213.0	62.9513	105.7934	0.0690	1298.0000
3212.5	61.2852	93.0655	0.0539	1310.0000
3212.0	59.9013	78.2902	0.0407	1291.0000
3211.5	58.4000	61.3621	0.0257	1267.0000
3211.0	57.8230	60.8052	0.0197	1243.0000
3210.5	58.8478	67.7020	0.0302	1243.0000
3210.0	60.6924	86.7462	0.0483	1275.0000
3209.5	63.8915	114.7570	0.0772	1298.0000
3209.0	65.9928	133.3693	0.0946	1297.0000
3208.5	67.2183	141.9446	0.1043	1263.0000
3208.0	68.0668	135.4898	0.1108	1260.0000
3207.5	69.1846	131.1976	0.1191	1264.0000
3207.0	70.4691	130.5502	0.1283	1275.0000
3206.5	70.5930	137.6052	0.1292	1280.0000
3206.0	69.9218	145.5403	0.1244	1277.0000
3205.5	69.7807	149.9215	0.1234	1268.0000
3205.0	70.2528	151.9663	0.1268	1257.0000
3204.5	71.1426	151.9663	0.1330	1269.0000
3204.0	72.3423	156.0563	0.1412	1291.0000
3203.5	71.8833	149.1793	0.1381	1278.0000
3203.0	70.3142	134.3671	0.1272	1262.0000
3202.5	67.5757	122.7290	0.1071	1259.0000
3202.0	65.5559	117.4390	0.0911	1253.0000
3201.5	65.6609	132.3809	0.0920	1274.0000
3201.0	66.1664	144.9439	0.0960	1293.0000
3200.5	67.2197	157.7055	0.1043	1282.0000
3200.0	68.2758	152.8736	0.1124	1276.0000
3199.5	68.0006	139.2030	0.1103	1272.0000
3199.0	68.1103	138.0795	0.1111	1262.0000
3198.5	68.6203	139.6077	0.1149	1269.0000
3198.0	68.1990	149.7083	0.1118	1287.0000
3197.5	68.3065	147.3115	0.1126	1284.0000
3197.0	67.8466	144.1375	0.1091	1278.0000
3196.5	66.9709	138.8474	0.1024	1279.0000
3196.0	66.9350	142.3022	0.1021	1267.0000
3195.5	66.9196	146.0052	0.1020	1268.0000
3195.0	67.4905	148.1212	0.1064	1275.0000
3194.5	68.2762	138.1761	0.1124	1275.0000
3194.0	69.2370	136.9982	0.1195	1275.0000
3193.5	69.5822	139.1142	0.1220	1268.0000
3193.0	69.2891	140.7052	0.1199	1269.0000
3192.5	67.5622	132.3115	0.1070	1284.0000
3192.0	66.1645	115.9124	0.0960	1268.0000
3191.5	64.2586	112.6284	0.0803	1250.0000
3191.0	62.2430	104.7428	0.0627	1263.0000
3190.5	61.3152	101.5688	0.0542	1280.0000
3190.0	60.6533	88.3437	0.0479	1287.0000
3189.5	60.8147	87.2857	0.0495	1276.0000
3189.0	60.5932	92.5757	0.0474	1263.0000
3188.5	60.2390	85.1697	0.0440	1255.0000
3188.0	59.5277	79.8986	0.0370	1270.0000

3187.5	59.7573	77.3046	0.0393	1284.0000
3187.0	60.0686	94.5720	0.0423	1289.0000
3186.5	60.5291	102.4881	0.0468	1282.0000
3186.0	61.9009	111.0017	0.0596	1260.0000
3185.5	61.3900	106.3488	0.0549	1275.0000
3185.0	61.1496	109.5228	0.0526	1280.0000
3184.5	63.3127	119.5361	0.0722	1287.0000
3184.0	66.4886	132.3139	0.0986	1275.0000
3183.5	68.2007	140.7780	0.1118	1274.0000
3183.0	69.2658	135.8974	0.1197	1254.0000
3182.5	69.7843	138.6026	0.1235	1262.0000
3182.0	69.3620	141.2476	0.1204	1291.0000
3181.5	69.3941	137.6013	0.1206	1301.0000
3181.0	70.2007	143.3602	0.1264	1282.0000
3180.5	70.2545	141.3581	0.1268	1255.0000
3180.0	69.5490	138.6155	0.1218	1251.0000
3179.5	68.2259	139.1445	0.1120	1261.0000
3179.0	66.9261	137.0232	0.1020	1279.0000
3178.5	64.4904	136.6107	0.0823	1289.0000
3178.0	63.3422	130.7916	0.0724	1289.0000
3177.5	62.1378	120.7154	0.0617	1251.0000
3177.0	61.3424	119.5449	0.0544	1245.0000
3176.5	62.3769	112.6678	0.0639	1261.0000
3176.0	62.3844	127.9864	0.0640	1282.0000
3175.5	62.4786	133.8449	0.0648	1280.0000
3175.0	61.9008	128.5548	0.0596	1270.0000
3174.5	60.8895	120.0299	0.0502	1255.0000
3174.0	61.2865	126.4320	0.0539	1253.0000
3173.5	61.7302	129.0771	0.0580	1267.0000
3173.0	62.0133	131.7221	0.0606	1277.0000
3172.5	61.1656	108.4790	0.0528	1266.0000
3172.0	59.4968	104.2469	0.0367	1275.0000
3171.5	59.6987	106.3629	0.0387	1271.0000
3171.0	59.7940	122.7290	0.0397	1269.0000
3170.5	62.2386	125.4681	0.0626	1276.0000
3170.0	64.2558	130.4652	0.0803	1268.0000
3169.5	64.1249	130.4652	0.0792	1262.0000
3169.0	64.3627	134.7078	0.0812	1254.0000
3168.5	63.2160	118.2455	0.0713	1249.0000
3168.0	60.8676	102.9044	0.0500	1270.0000
3167.5	59.1086	92.1839	0.0325	1295.0000
3167.0	59.0678	99.8946	0.0325	1284.0000
3166.5	60.6236	123.6998	0.0796	1275.0000
3166.0	64.1707	145.4248	0.0960	1258.0000
3165.5	67.2332	154.4693	0.1044	1249.0000
3165.0	69.3889	156.0563	0.1206	1270.0000
3164.5	68.7452	160.2884	0.1159	1283.0000
3164.0	66.4755	158.1723	0.0985	1287.0000
3163.5	63.5368	150.2935	0.0741	1282.0000
3163.0	61.4113	140.7120	0.0551	1261.0000
3162.5	59.6185	139.1250	0.0379	1249.0000

3136.5	66.8334	126.4335	0.1013	1274.0000
3137.0	65.4217	119.5215	0.0900	1270.0000
3137.5	64.0146	120.1056	0.0782	1275.0000
3138.0	62.4764	123.8086	0.0648	1251.0000
3138.5	64.2077	135.4756	0.0799	1253.0000
3139.0	66.7643	137.0103	0.1008	1252.0000
3139.5	67.2275	132.2492	0.1044	1259.0000
3140.0	67.0740	130.7202	0.1032	1266.0000
3140.5	65.6574	128.5480	0.0919	1260.0000
3141.0	66.1317	127.4900	0.0958	1266.0000
3141.5	66.2240	128.5480	0.0965	1275.0000
3142.0	66.8845	135.2506	0.1017	1271.0000
3142.5	67.6260	134.5080	0.1074	1274.0000
3143.0	67.6442	117.1151	0.1076	1275.0000
3143.5	67.7376	114.1156	0.1083	1253.0000
3144.0	66.6517	128.4793	0.0999	1268.0000
3144.5	65.8615	136.9717	0.0936	1278.0000
3145.0	65.0682	133.2687	0.0871	1282.0000
3145.5	65.8903	127.5827	0.0938	1277.0000
3146.0	65.0007	128.5480	0.0865	1283.0000
3146.5	63.5608	122.7752	0.0743	1275.0000
3147.0	61.1491	109.5501	0.0526	1277.0000
3147.5	57.0427	106.3761	0.0114	1284.0000
3148.0	57.5610	106.8120	0.0169	1264.0000
3148.5	60.8895	119.0373	0.0502	1261.0000
3149.0	63.9486	126.9724	0.0777	1268.0000
3149.5	64.5998	131.1471	0.0832	1278.0000
3150.0	61.9441	114.7653	0.0600	1275.0000
3150.5	61.0727	108.7622	0.0519	1276.0000
3151.0	60.7559	108.2345	0.0489	1263.0000
3151.5	62.6913	120.9624	0.0667	1268.0000
3152.0	63.7997	123.7915	0.0764	1277.0000
3152.5	62.4264	120.7202	0.0643	1283.0000
3153.0	61.3514	121.6710	0.0545	1287.0000
3153.5	59.5855	123.7349	0.0376	1271.0000
3154.0	59.2593	123.2528	0.0344	1251.0000
3154.5	59.7687	110.0277	0.0394	1264.0000
3155.0	59.7938	111.0844	0.0397	1275.0000
3155.5	61.0681	104.7675	0.0519	1295.0000
3156.0	61.7909	122.2247	0.0586	1288.0000
3156.5	63.2959	114.2995	0.0720	1251.0000
3157.0	64.5959	129.6207	0.0832	1245.0000
3157.5	64.9083	123.7489	0.0858	1267.0000
3158.0	65.2518	132.8404	0.0886	1275.0000
3158.5	64.7299	125.3761	0.0843	1282.0000
3159.0	65.3614	120.0927	0.0895	1266.0000
3159.5	65.9886	118.1219	0.0946	1246.0000
3160.0	66.1619	121.2960	0.0960	1258.0000
3160.5	64.0273	124.4160	0.0784	1296.0000
3161.0	62.1807	125.9115	0.0621	1311.0000
3161.5	61.5407	130.1435	0.0563	1286.0000
3162.0	58.7194	137.5903	0.0289	1266.0000

3162.5	59.6185	139.1250	0.0379	1249.0000
3163.0	61.4113	140.7120	0.0551	1261.0000
3163.5	63.5368	150.2935	0.0741	1282.0000
3164.0	66.4755	158.1723	0.0985	1287.0000
3164.5	68.7452	160.2884	0.1159	1283.0000
3165.0	69.3889	156.0563	0.1206	1270.0000
3165.5	67.2332	154.4693	0.1044	1249.0000
3166.0	64.1707	145.4248	0.0796	1258.0000
3166.5	60.6236	123.6998	0.0477	1275.0000
3167.0	59.0678	99.8946	0.0325	1284.0000
3167.5	59.1086	92.1839	0.0329	1295.0000
3168.0	60.8676	102.9044	0.0500	1270.0000
3168.5	63.2160	118.2455	0.0713	1249.0000
3169.0	64.3627	134.7078	0.0812	1254.0000
3169.5	64.1249	130.4652	0.0792	1262.0000
3170.0	64.2558	130.4652	0.0803	1268.0000
3170.5	62.2386	125.4681	0.0626	1276.0000
3171.0	59.7940	122.7290	0.0397	1269.0000
3171.5	59.6987	106.3629	0.0387	1271.0000
3172.0	59.4968	104.2469	0.0367	1275.0000
3172.5	61.1656	108.4790	0.0528	1266.0000
3173.0	62.0133	131.7221	0.0606	1277.0000
3173.5	61.7302	129.0771	0.0580	1267.0000
3174.0	61.2865	126.4320	0.0539	1253.0000
3174.5	60.8895	120.0299	0.0502	1255.0000
3175.0	61.9008	128.5548	0.0596	1270.0000
3175.5	62.4786	133.8449	0.0648	1280.0000
3176.0	62.3844	127.9864	0.0640	1282.0000
3176.5	62.3769	112.6678	0.0639	1261.0000
3177.0	61.3424	119.5449	0.0544	1245.0000
3177.5	62.1378	120.7154	0.0617	1251.0000
3178.0	63.3422	130.7916	0.0724	1289.0000
3178.5	64.4904	136.6107	0.0823	1289.0000
3179.0	66.9261	137.0232	0.1020	1279.0000
3179.5	68.2259	139.1445	0.1120	1261.0000
3180.0	69.5490	138.6155	0.1218	1251.0000
3180.5	70.2545	141.3581	0.1268	1255.0000
3181.0	70.2007	143.3602	0.1264	1282.0000
3181.5	69.3941	137.6013	0.1206	1301.0000
3182.0	69.3620	141.2476	0.1204	1291.0000
3182.5	69.7843	138.6026	0.1235	1262.0000
3183.0	69.2658	135.8974	0.1197	1254.0000
3183.5	68.2007	140.7780	0.1118	1274.0000
3184.0	66.4886	132.3139	0.0986	1275.0000
3184.5	63.3127	119.5361	0.0722	1287.0000
3185.0	61.1496	109.5228	0.0526	1280.0000
3185.5	61.3900	106.3488	0.0549	1275.0000
3186.0	61.9009	111.0017	0.0596	1260.0000
3186.5	60.5291	102.4881	0.0468	1282.0000
3187.0	60.0686	94.5720	0.0423	1289.0000
3187.5	59.7573	77.3046	0.0393	1284.0000

3188.0	59.5277	79.8986	0.0370	1270.0000
3188.5	60.2390	85.1697	0.0440	1255.0000
3189.0	60.5932	92.5757	0.0474	1263.0000
3189.5	60.8147	87.2857	0.0495	1276.0000
3190.0	60.6533	88.3437	0.0479	1287.0000
3190.5	61.3152	101.5688	0.0542	1280.0000
3191.0	62.2430	104.7428	0.0627	1263.0000
3191.5	64.2586	112.6284	0.0803	1250.0000
3192.0	66.1645	115.9124	0.0960	1268.0000
3192.5	67.5622	132.3115	0.1070	1284.0000
3193.0	69.2891	140.7052	0.1199	1269.0000
3193.5	69.5822	139.1142	0.1220	1268.0000
3194.0	69.2370	136.9982	0.1195	1275.0000
3194.5	68.2762	138.1761	0.1124	1275.0000
3195.0	67.4905	148.1212	0.1064	1275.0000
3195.5	66.9196	146.0052	0.1020	1268.0000
3196.0	66.9350	142.3022	0.1021	1267.0000
3196.5	66.9709	138.8474	0.1024	1279.0000
3197.0	67.8466	144.1375	0.1091	1278.0000
3197.5	68.3065	147.3115	0.1126	1284.0000
3198.0	68.1990	149.7083	0.1118	1287.0000
3198.5	68.6203	139.6077	0.1149	1269.0000
3199.0	68.1103	138.0795	0.1111	1262.0000
3199.5	68.0006	139.2030	0.1103	1272.0000
3200.0	68.2758	152.8736	0.1124	1276.0000
3200.5	67.2197	157.7055	0.1043	1282.0000
3201.0	66.1664	144.9439	0.0960	1293.0000
3201.5	65.6609	132.3809	0.0920	1274.0000
3202.0	65.5559	117.4390	0.0911	1253.0000
3202.5	67.5757	122.7290	0.1071	1259.0000
3203.0	70.3142	134.3671	0.1272	1262.0000
3203.5	71.8833	149.1793	0.1381	1278.0000
3204.0	72.3423	156.0563	0.1412	1291.0000
3204.5	71.1426	151.9663	0.1330	1269.0000
3205.0	70.2528	151.9663	0.1268	1257.0000
3205.5	69.7807	149.9215	0.1234	1268.0000
3206.0	69.9218	145.5403	0.1244	1277.0000
3206.5	70.5930	137.6052	0.1292	1280.0000
3207.0	70.4691	130.5502	0.1283	1275.0000
3207.5	69.1846	131.1976	0.1191	1264.0000
3208.0	68.0668	135.4898	0.1108	1260.0000
3208.5	67.2183	141.9446	0.1043	1263.0000
3209.0	65.9928	133.3693	0.0946	1297.0000
3209.5	63.8915	114.7570	0.0772	1298.0000
3210.0	60.6924	86.7462	0.0483	1275.0000
3210.5	58.8478	67.7020	0.0302	1243.0000
3211.0	57.8230	60.8052	0.0197	1243.0000
3211.5	58.4000	61.3621	0.0257	1267.0000
3212.0	59.9013	78.2902	0.0407	1291.0000
3212.5	61.2852	93.0655	0.0539	1310.0000
3213.0	62.9513	105.7934	0.0690	1298.0000

3213.5	63.6698	134.8394	0.1000	1262.0000
3214.0	67.6635	141.7727	0.1077	1245.0000
3214.5	69.1314	133.3086	0.1187	1253.0000
3215.0	70.2223	138.0637	0.1266	1244.0000
3215.5	69.8919	140.7120	0.1242	1257.0000
3216.0	67.8364	135.9510	0.1091	1259.0000
3216.5	64.7102	123.7517	0.0841	1259.0000
3217.0	62.2803	110.0228	0.0630	1257.0000
3217.5	63.1715	113.1968	0.0710	1255.0000
3218.0	65.9183	113.2063	0.0940	1261.0000
3218.5	68.6256	123.2825	0.1150	1259.0000
3219.0	70.9560	132.2756	0.1317	1264.0000
3219.5	71.3613	145.0571	0.1345	1272.0000
3220.0	71.0046	143.3602	0.1321	1288.0000
3220.5	70.4723	142.8312	0.1284	1260.0000
3221.0	70.3221	151.2953	0.1273	1224.0000
3221.5	70.1089	159.8228	0.1258	1226.0000
3222.0	69.6706	166.5589	0.1226	1241.0000
3222.5	69.3803	156.9368	0.1205	1261.0000
3223.0	68.9007	152.8174	0.1170	1283.0000
3223.5	68.4364	140.6806	0.1136	1270.0000
3224.0	68.3422	143.5568	0.1129	1236.0000
3224.5	68.2026	140.2066	0.1118	1235.0000
3225.0	68.0366	148.5303	0.1106	1251.0000
3225.5	67.9654	136.2321	0.1100	1269.0000
3226.0	68.1945	138.9346	0.1118	1282.0000
3226.5	69.0606	142.8181	0.1182	1260.0000
3227.0	69.6641	144.4574	0.1226	1226.0000
3227.5	69.9900	153.3244	0.1249	1230.0000
3228.0	69.8660	134.3977	0.1240	1260.0000
3228.5	69.0780	138.0485	0.1183	1289.0000
3229.0	68.5697	130.0648	0.1146	1295.0000
3229.5	68.1584	141.2487	0.1115	1272.0000
3230.0	68.4868	137.0167	0.1140	1231.0000
3230.5	68.6095	130.7859	0.1149	1242.0000
3231.0	67.3549	123.7870	0.1054	1255.0000
3231.5	67.2552	121.1420	0.1046	1282.0000
3232.0	66.7874	123.7870	0.1009	1280.0000
3232.5	66.2091	131.1931	0.0964	1245.0000
3233.0	67.2187	141.1835	0.1043	1229.0000
3233.5	67.1643	135.4114	0.1039	1245.0000
3234.0	67.4121	133.2954	0.1058	1258.0000
3234.5	66.7831	118.9414	0.1009	1277.0000
3235.0	66.1001	126.8864	0.0955	1262.0000
3235.5	64.1914	120.5384	0.0798	1234.0000
3236.0	62.8978	127.4441	0.0685	1235.0000
3236.5	63.3166	128.5618	0.0722	1276.0000
3237.0	63.9283	128.5618	0.0775	1299.0000
3237.5	65.5526	135.5416	0.0911	1294.0000
3238.0	67.0027	129.6108	0.1026	1255.0000
3238.5	68.4813	130.1934	0.1139	1270.0000

3239.0	69.7194	137.5903	0.0289	1266.0000
3239.5	70.2223	138.0637	0.1187	1244.0000
3240.0	69.8919	140.7120	0.1242	1257.0000
3240.5	67.8364	135.9510	0.1091	1259.0000
3241.0	64.7102	123.7517	0.0841	1259.0000
3241.5	62.2803	110.0228	0.0630	1257.0000
3242.0	63.1715	113.1968	0.0710	1255.0000
3242.5	65.9183	113.2063	0.0940	1261.0000
3243.0	68.6256	123.2825	0.1150	1259.0000
3243.5	70.9560	132.2756	0.1317	1264.0000
3244.0	71.3613	145.0571	0.1345	1272.0000
3244.5	71.0046	143.3602	0.1321	1288.0000
3245.0	70.4723	142.8312	0.1284	1260.0000
3245.5	70.3221	151.2953	0.1273	1224.0000
3246.0	70.1089	159.8228	0.1258	1226.0000
3246.5	69.6706	166.5589	0.1226	1241.0000
3247.0	69.3803	156.9368	0.1205	1261.0000
3247.5	68.9007	152.8174	0.1170	1283.0000
3248.0	68.4364	140.6806	0.1136	1270.0000
3248.5	68.3422	143.5568	0.1129	1236.0000
3249.0	68.2026	140.2066	0.1118	1235.0000
3249.5	68.0366	148.5303	0.1106	1251.0000
3250.0	67.9654	136.2321	0.1100	1269.0000
3250.5	68.1945	138.9346	0.1118	1282.0000
3251.0	69.0606	142.8181	0.1182	1260.0000
3251.5	69.6641	144.4574	0.1226	1226.0000
3252.0	69.9900	153.3244	0.1249	1230.0000
3252.5	69.8660	134.3977	0.1240	1260.0000
3253.0	69.0780	138.0485	0.1183	1289.0000
3253.5	68.5697	130.0648	0.1146	1295.0000
3254.0	68.1584	141.2487	0.1115	1272.0000
3254.5	68.4868	137.0167	0.1140	1231.0000
3255.0	68.6095	130.7859	0.1149	1242.0000
3255.5	67.3549	123.7870	0.1054	1255.0000
3256.0	67.2552	121.1420	0.1046	1282.0000
3256.5	66.7874	123.7870	0.1009	1280.0000
3257.0	66.2091	131.1931	0.0964	1245.0000
3257.5	67.2187	141.1835	0.1043	1229.0000
3258.0	67.1643	135.4114	0.1039	1245.0000
3258.5	67.4121	133.2954	0.1058	1258.0000
3259.0	66.7831	118.9414	0.1009	1277.0000
3259.5	66.1001	126.8864	0.0955	1262.0000
3260.0	64.1914	120.5384	0.0798	1234.0000
3260.5	62.8978	127.4441	0.0685	1235.0000
3261.0	63.3166	128.5618	0.0722	1276.0000
3261.5	63.9283	128.5618	0.0775	1299.0000
3262.0	65.5526	135.5416	0.0911	1294.0000
3262.5	67.0027	129.6108	0.1026	1255.0000
3263.0	68.4813	130.1934	0.1139	1270.0000

3263.5	69.7194	137.5903	0.0289	1266.0000
3264.0	70.2223	138.0637	0.1187	1244.0000
3264.5	69.8919	140.7120	0.1242	1257.0000
3265.0	67.8364	135.9510	0.1091	1259.0000
3265.5	64.7102	123.7517	0.0841	1259.0000
3266.0	62.2803	110.0228	0.0630	1257.0000
3266.5	63.1715	113.1968	0.0710	1255.0000
3267.0	65.9183	113.2063	0.0940	1261.0000
3267.5	68.6256	123.2825	0.1150	1259.0000
3268.0	70.9560	132.2756	0.1317	1264.0000
3268.5	71.3613	145.0571	0.1345	1272.0000
3269.0	71.0046	143.3602	0.1321	1288.0000
3269.5	70.4723	142.8312	0.1284	1260.0000
3270.0	70.3221	151.2953	0.1273	1224.0000
3270.5	70.1089	159.8228	0.1258	1226.0000
3271.0	69.6706	166.5589	0.1226	1241.0000
3271.5	69.3803	156.9368	0.1205	1261.0000
3272.0	68.9007	152.8174	0.1170	1283.0000
3272.5	68.4364	140.6806	0.1136	1270.0000
3273.0	68.3422	143.5568	0.1129	1236.0000
3273.5	68.2026	140.2066	0.1118	1235.0000
3274.0	68.0366	148.5303	0.1106	1251.0000
3274.5	67.9654	136.2321	0.1100	1269.0000
3275.0	68.1945	138.9346	0.1118	1282.0000
3275.5	69.0606	142.8181	0.1182	1260.0000
3276.0	69.6641	144.4574	0.1226	1226.0000
3276.5	69.9900	153.3244	0.1249	1230.0000
3277.0	69.8660	134.3977	0.1240	1260.0000
3277.5	69.0780	138.0485	0.1183	1289.0000
3278.0	68.5697	130.0648	0.1146	1295.0000
3278.5	68.1584	141.2487	0.1115	1272.0000
3279.0	68.4868	137.0167	0.1140	1231.0000
3279.5	68.6095	130.7859	0.1149	1242.0000
3280.0	67.3549	123.7870	0.1054	1255.0000
3280.5	67.2552	121.1420	0.1046	1282.0000
3281.0	66.7874	123.7870	0.1009	1280.0000
3281.5	66.2091	131.1931	0.0964	1245.0000
3282.0	67.2187	141.1835	0.1043	1229.0000
3282.5	67.1643	135.4114	0.1039	1245.0000
3283.0	67.4121	133.2954	0.1058	1258.0000
3283.5	66.7831	118.9414	0.1009	1277.0000
3284.0	66.1001	126.8864	0.0955	1262.0000
3284.5	64.1914	120.5384	0.0798	1234.0000
3285.0	62.8978	127.4441	0.0685	1235.0000
3285.5	63.3166	128.5618	0.0722	1276.0000
3286.0	63.9283	128.5618	0.0775	1299.0000
3286.5	65.5526	135.5416	0.0911	1294.0000
3287.0	65.4010	138.0701	0.0898	1266.0000

3213.5	64.1287	116.3735	0.0792	1271.0000
3214.0	64.9996	121.7571	0.0865	1251.0000
3214.5	66.2192	125.4026	0.0965	1263.0000
3215.0	66.6787	130.1637	0.1001	1293.0000
3215.5	67.0542	128.5766	0.1030	1318.0000
3216.0	67.9124	129.0771	0.1096	1300.0000
3216.5	68.1692	131.1931	0.1116	1282.0000
3217.0	68.4395	132.7801	0.1136	1267.0000
3217.5	69.0624	149.1793	0.1182	1267.0000
3218.0	69.5276	146.4736	0.1216	1295.0000
3218.5	69.8454	147.5865	0.1239	1312.0000
3219.0	70.7759	143.3544	0.1305	1287.0000
3219.5	71.5164	148.1095	0.1356	1252.0000
3220.0	70.4906	156.5842	0.1285	1231.0000
3220.5	68.8289	149.7071	0.1165	1261.0000
3221.0	67.1216	132.8912	0.1036	1301.0000
3221.5	65.3977	126.1946	0.0898	1314.0000
3222.0	66.8581	134.1296	0.1015	1291.0000
3222.5	68.3054	139.9031	0.1126	1253.0000
3223.0	68.8979	144.4182	0.1170	1250.0000
3223.5	69.6442	142.2402	0.1224	1278.0000
3224.0	69.4275	149.7085	0.1209	1321.0000
3224.5	70.2689	146.5344	0.1269	1305.0000
3225.0	70.4518	155.9709	0.1282	1278.0000
3225.5	70.9453	156.5636	0.1317	1257.0000
3226.0	70.9432	160.7956	0.1316	1241.0000
3226.5	70.3910	156.1821	0.1278	1282.0000
3227.0	69.5107	152.4115	0.1215	1328.0000
3227.5	68.7847	146.5357	0.1162	1304.0000
3228.0	69.1177	137.5426	0.1186	1276.0000
3228.5	68.9718	148.1360	0.1175	1255.0000
3229.0	69.8434	156.0612	0.1239	1252.0000
3229.5	70.3198	160.8850	0.1273	1288.0000
3230.0	69.7747	158.6976	0.1234	1302.0000
3230.5	69.5878	158.1034	0.1220	1294.0000
3231.0	69.1412	161.8787	0.1188	1266.0000
3231.5	68.5515	157.6848	0.1144	1249.0000
3232.0	67.8966	152.4079	0.1095	1253.0000
3232.5	68.0658	145.5136	0.1108	1278.0000
3233.0	68.1580	148.6496	0.1115	1310.0000
3233.5	68.3080	155.6452	0.1126	1279.0000
3234.0	68.6265	156.0564	0.1150	1271.0000
3234.5	68.3354	156.0564	0.1128	1255.0000
3235.0	68.5044	153.4113	0.1141	1269.0000
3235.5	68.6601	155.5273	0.1152	1287.0000
3236.0	68.8116	148.0632	0.1164	1293.0000
3236.5	69.2953	155.6176	0.1199	1287.0000
3237.0	69.0590	160.3107	0.1182	1276.0000
3237.5	68.7861	164.0091	0.1162	1267.0000
3238.0	68.7163	154.9935	0.1157	1270.0000
3238.5	69.0892	156.6485	0.1184	1284.0000
3239.0	69.0059	158.2982	0.1178	1272.0000
3239.5	69.4527	153.9403	0.1211	1283.0000
3240.0	69.8920	150.5942	0.1242	1289.0000
3240.5	69.8011	154.7563	0.1236	1272.0000
3241.0	70.1515	155.2853	0.1261	1259.0000
3241.5	69.5653	146.9933	0.1219	1266.0000
3242.0	68.9994	141.3070	0.1177	1257.0000
3242.5	68.6767	142.8940	0.1154	1268.0000
3243.0	68.6253	139.0896	0.1150	1295.0000
3243.5	68.7824	122.1402	0.1161	1292.0000
3244.0	68.7192	127.4971	0.1157	1277.0000
3244.5	68.5450	128.0248	0.1144	1272.0000
3245.0	68.1456	133.3698	0.1114	1270.0000
3245.5	67.7946	139.1221	0.1087	1280.0000
3246.0	66.5137	137.1088	0.0988	1294.0000
3246.5	66.8577	145.4763	0.1015	1289.0000
3247.0	66.7156	133.8382	0.1004	1277.0000
3247.5	65.5841	134.3672	0.0913	1251.0000
3248.0	65.8911	130.6641	0.0938	1250.0000
3248.5	64.9093	117.9245	0.0858	1287.0000
3249.0	64.9504	120.6224	0.0861	1302.0000
3249.5	65.2584	119.5644	0.0887	1302.0000
3250.0	65.0684	131.7163	0.0871	1283.0000
3250.5	66.3331	145.3318	0.0974	1252.0000
3251.0	66.5815	159.6149	0.0993	1258.0000
3251.5	64.1266	181.8918	0.0792	1287.0000
3252.0	61.8869	215.8339	0.0595	1300.0000
3252.5	61.3816	229.0590	0.0548	1300.0000
3253.0	62.2471	218.4789	0.0627	1282.0000
3253.5	65.9119	180.4554	0.0940	1254.0000
3254.0	70.8765	169.8014	0.1312	1269.0000
3254.5	73.6396	164.5781	0.1497	1301.0000
3255.0	70.9845	167.6188	0.1319	1310.0000
3255.5	66.6754	150.7117	0.1001	1318.0000
3256.0	63.5500	127.9745	0.0743	1280.0000
3256.5	60.6469	104.7669	0.0479	1242.0000
3257.0	60.4667	97.4136	0.0462	1255.0000
3257.5	62.1969	92.0467	0.0623	1297.0000
3258.0	63.5239	84.6407	0.0740	1308.0000
3258.5	63.8880	83.0537	0.0772	1298.0000
3259.0	63.9363	90.9887	0.0776	1283.0000
3259.5	64.4623	111.6199	0.0820	1244.0000
3260.0	64.6487	135.4680	0.0836	1261.0000
3260.5	61.8484	145.5191	0.0591	1286.0000
3261.0	61.1749	134.3678	0.0529	1298.0000
3261.5	59.5551	108.4427	0.0373	1296.0000
3262.0	58.5660	80.4054	0.0274	1278.0000
3262.5	58.6575	63.4773	0.0283	1277.0000
3263.0	57.0169	44.9549	0.0111	1280.0000
3263.5	56.3386	39.6649	0.0038	1284.0000
3264.0	55.9371	36.5330	-0.0007	1297.0000
3264.5	56.2507	47.0813	0.0028	1298.0000
3265.0	57.9420	72.4736	0.0209	1276.0000
3265.5	61.4214	98.4444	0.0552	1266.0000
3266.0	67.0627	120.6626	0.1031	1280.0000
3266.5	71.6852	141.1542	0.1368	1287.0000
3267.0	74.2768	150.7498	0.1538	1295.0000
3267.5	75.7585	161.8589	0.1630	1287.0000
3268.0	75.8080	157.2375	0.1633	1279.0000
3268.5	73.8287	152.3866	0.1509	1271.0000
3269.0	71.3969	143.9226	0.1348	1282.0000
3269.5	70.0961	133.3425	0.1257	1305.0000
3270.0	70.1867	136.4832	0.1263	1305.0000
3270.5	69.9533	130.6641	0.1247	1291.0000
3271.0	69.3706	125.9031	0.1205	1275.0000
3271.5	69.2339	121.6710	0.1195	1286.0000
3272.0	68.8548	127.4301	0.1167	1308.0000
3272.5	71.1029	135.4200	0.1328	1310.0000
3273.0	72.1331	143.8841	0.1398	1295.0000
3273.5	71.6464	146.9903	0.1365	1285.0000
3274.0	71.7690	154.4700	0.1373	1260.0000
3274.5	71.0277	146.5349	0.1322	1272.0000
3275.0	70.5938	140.7303	0.1292	1292.0000
3275.5	71.1623	135.1663	0.1332	1305.0000
3276.0	70.3042	122.9991	0.1272	1311.0000
3276.5	70.2825	122.9991	0.1270	1276.0000
3277.0	70.7346	117.4263	0.1302	1263.0000
3277.5	71.1045	135.4125	0.1328	1259.0000
3278.0	72.1170	132.3517	0.1397	1278.0000
3278.5	72.9345	142.8312	0.1451	1301.0000
3279.0	73.0456	141.2442	0.1458	1294.0000
3279.5	73.1523	148.1213	0.1465	1289.0000
3280.0	73.1666	154.9983	0.1466	1269.0000
3280.5	73.1575	149.1793	0.1466	1266.0000
3281.0	73.0960	151.2953	0.1462	1280.0000
3281.5	72.6202	151.3674	0.1430	1312.0000
3282.0	72.2585	148.0958	0.1406	1308.0000
3282.5	72.1218	140.7997	0.1397	1279.0000
3283.0	71.9354	130.1475	0.1385	1253.0000
3283.5	71.9727	141.7566	0.1387	1259.0000
3284.0	72.0298	140.6960	0.1391	1275.0000
3284.5	71.7551	142.8120	0.1372	1298.0000
3285.0	71.7010	131.8294	0.1369	1313.0000
3285.5	71.8347	138.5992	0.1378	1288.0000
3286.0	71.8581	143.4007	0.1379	1268.0000
3286.5	71.6832	158.2128	0.1367	1269.0000
3287.0	71.6016	160.3288	0.1362	1286.0000
3287.5	71.7033	149.7083	0.1369	1309.0000
3288.0	71.6248	137.0122	0.1363	1305.0000
3288.5	71.6223	129.0771	0.1363	1284.0000
3289.0	71.1941	132.7214	0.1334	1264.0000
3289.5	71.2828	133.3033	0.1340	1260.0000
3290.0	71.2347	140.1804	0.1337	1288.0000
3290.5	70.5489	144.4072	0.1289	1318.0000
3291.0	70.1726	143.3995	0.1262	1318.0000
3291.5	69.4613	139.6965	0.1211	1280.0000
3292.0	68.9927	128.0729	0.1177	1257.0000
3292.5	69.1448	133.8475	0.1188	1247.0000
3293.0	69.3643	138.0795	0.1204	1276.0000
3293.5	68.6891	148.1801	0.1155	1317.0000
3294.0	67.7970	148.1212	0.1088	1312.0000
3294.5	67.4249	137.5411	0.1059	1284.0000
3295.0	67.4777	136.0961	0.1063	1253.0000
3295.5	68.6056	140.8571	0.1148	1253.0000
3296.0	69.2397	150.8449	0.1195	1300.0000
3296.5	69.8630	153.4114	0.1240	1329.0000
3297.0	69.7897	160.2885	0.1235	1303.0000
3297.5	69.8012	161.3452	0.1236	1267.0000
3298.0	69.8942	161.3452	0.1242	1261.0000
3298.5	68.8947	144.9460	0.1170	1274.0000
3299.0	67.8532	132.2657	0.1092	1304.0000
3299.5	66.0663	121.1428	0.0952	1325.0000
3300.0	65.0318	117.9687	0.0868	1308.0000
3300.5	64.0797	118.5465	0.0788	1300.0000
3301.0	63.7688	118.0169	0.0761	1268.0000
3301.5	64.0637	123.3069	0.0787	1262.0000
3302.0	63.5019	127.0100	0.0738	1292.0000
3302.5	63.8187	125.3740	0.0766	1313.0000
3303.0	64.2022	117.3934	0.0798	1309.0000
3303.5	64.4082	121.1553	0.0816	1296.0000
3304.0	64.4680	124.3293	0.0821	1264.0000
3304.5	64.2537	127.4501	0.0803	1251.0000
3305.0	63.7916	119.5541	0.0763	1266.0000
3305.5	64.6853	119.0251	0.0839	1288.0000
3306.0	65.0301	124.4187	0.0868	1283.0000
3306.5	65.2267	125.4794	0.0884	1278.0000
3307.0	65.5401	133.4145	0.0910	1278.0000
3307.5	64.6756	138.6998	0.0838	1298.0000
3308.0	64.8048	141.7732	0.0849	1310.0000
3308.5	64.7212	137.0121	0.0842	1293.0000
3309.0	64.9701	135.9541	0.0863	1267.0000
3309.5	65.8944	133.8381	0.0938	1278.0000
3310.0	66.7703	135.4251	0.1008	1286.0000
3310.5	67.4733	133.8381	0.1063	1303.0000
3311.0	67.6837	138.0701	0.1079	1308.0000
3311.5	67.8146	148.5810	0.1089	1286.0000
3312.0	67.2277	148.1698	0.1044	1272.0000
3312.5	66.9136	145.9997	0.1019	1284.0000
3313.0	66.7606	140.1879	0.1007	1293.0000
3313.5	66.1282	137.0060	0.0957	1312.0000
3314.0	66.2638	131.7415	0.0968	1295.0000
3314.5	64.9697	113.2883	0.0863	1287.0000
3315.0	65.0460	114.2926	0.0869	1285.0000
3315.5	65.2630	122.9114	0.1337	1285.0000

3469.0	61.4400	105.9333	0.0553	1344.0000
3468.5	61.1834	109.6363	0.0529	1346.0000
3468.0	60.4169	121.2744	0.0457	1330.0000
3467.5	62.6116	126.5340	0.0660	1338.0000
3467.0	65.4587	124.3113	0.0903	1357.0000
3466.5	65.2850	122.7242	0.0889	1359.0000
3466.0	65.4560	121.0842	0.0903	1357.0000
3465.5	65.5067	122.1942	0.0907	1344.0000
3465.0	65.2900	127.4842	0.0889	1330.0000
3464.5	66.9061	138.0154	0.1019	1341.0000
3464.0	68.5809	129.0771	0.1147	1343.0000
3463.5	69.2956	142.8312	0.1199	1335.0000
3463.0	69.1183	147.5922	0.1186	1339.0000
3462.5	68.6005	154.9983	0.1148	1352.0000
3462.0	67.9216	140.8251	0.1097	1337.0000
3461.5	67.4833	124.8587	0.1064	1323.0000
3461.0	66.3658	133.3863	0.0976	1334.0000
3460.5	65.5275	131.7423	0.0909	1344.0000
3460.0	64.8841	132.8470	0.0856	1342.0000
3459.5	65.7335	121.6744	0.0925	1348.0000
3459.0	67.0240	117.9185	0.1028	1325.0000
3458.5	66.6921	120.6130	0.1002	1323.0000
3458.0	66.4196	127.3132	0.0980	1338.0000
3457.5	65.7355	134.1902	0.0926	1359.0000
3457.0	65.1933	139.4803	0.0881	1348.0000
3456.5	65.6703	138.5992	0.0920	1335.0000
3456.0	65.9613	133.8381	0.0944	1325.0000
3455.5	65.4849	128.5481	0.0905	1325.0000
3455.0	65.6570	126.0103	0.0919	1330.0000
3454.5	65.6781	136.9903	0.0921	1349.0000
3454.0	65.5749	147.0414	0.0913	1349.0000
3453.5	65.3461	151.8143	0.0894	1332.0000
3453.0	65.6441	141.8403	0.0918	1323.0000
3452.5	65.7383	135.4922	0.0926	1332.0000
3452.0	66.2469	140.6631	0.0967	1332.0000
3451.5	66.9775	147.5922	0.1024	1348.0000
3451.0	66.2903	156.0563	0.0970	1338.0000
3450.5	66.9919	151.2953	0.1025	1324.0000
3450.0	67.2176	154.9983	0.1043	1320.0000
3449.5	66.6552	149.8314	0.0999	1326.0000
3449.0	66.9466	154.4607	0.1022	1334.0000
3448.5	66.3750	153.9317	0.0977	1343.0000
3448.0	65.8764	144.9161	0.0937	1336.0000
3447.5	66.1952	141.8118	0.0963	1313.0000
3447.0	66.2523	142.6188	0.0967	1323.0000
3446.5	66.6888	148.9244	0.1002	1343.0000
3446.0	67.3490	145.7543	0.1053	1362.0000
3445.5	67.4354	130.6642	0.1060	1346.0000
3445.0	67.0830	139.1389	0.1033	1338.0000
3444.5	66.9866	134.9649	0.1025	1318.0000
3444.0	67.0603	135.4939	0.1031	1312.0000
3443.5	68.7947	144.9434	0.1162	1323.0000
3443.0	69.6813	154.4655	0.1227	1329.0000
3442.5	68.6527	134.3671	0.1154	1317.0000
3442.0	69.8472	137.0121	0.1239	1323.0000
3441.5	68.6526	134.3671	0.1152	1298.0000
3442.0	68.6627	135.4846	0.1153	1298.0000
3442.5	68.5044	137.0336	0.1141	1298.0000
3443.0	68.9993	133.8596	0.1177	1304.0000
3443.5	68.8998	137.5031	0.1170	1314.0000
3444.0	68.9282	127.4901	0.1172	1309.0000
3444.5	69.2545	137.5412	0.1196	1295.0000
3445.0	69.2354	130.6641	0.1195	1287.0000
3445.5	69.4749	141.7732	0.1212	1317.0000
3446.0	69.4186	151.2953	0.1208	1318.0000
3446.5	68.6137	159.2304	0.1149	1310.0000
3447.0	68.6055	160.8174	0.1148	1303.0000
3447.5	67.4329	147.0632	0.1060	1295.0000
3448.0	67.3151	141.2442	0.1051	1305.0000
3448.5	67.7186	137.0122	0.1082	1300.0000
3449.0	67.7109	140.1308	0.1081	1301.0000
3449.5	68.2560	149.7230	0.1122	1303.0000
3450.0	68.0765	149.2548	0.1109	1297.0000
3450.5	67.0105	148.1442	0.1027	1304.0000
3451.0	66.3563	133.3652	0.0975	1327.0000
3451.5	66.6339	123.2533	0.0997	1326.0000
3452.0	66.9669	131.6963	0.1024	1294.0000
3452.5	67.3461	151.8488	0.1053	1293.0000
3453.0	67.5408	168.2479	0.1068	1316.0000
3453.5	67.7909	156.2099	0.1087	1323.0000
3454.0	68.2929	144.4182	0.1125	1319.0000
3454.5	67.1459	132.5362	0.1037	1313.0000
3455.0	66.0267	133.0652	0.0949	1301.0000
3455.5	64.8871	129.8912	0.0856	1296.0000
3456.0	62.9407	126.4817	0.0689	1289.0000
3456.5	63.5928	133.8284	0.0786	1304.0000
3457.0	64.9706	130.1789	0.0863	1348.0000
3457.5	65.3088	126.9553	0.0891	1339.0000
3458.0	65.5484	121.1956	0.0910	1296.0000
3458.5	64.7150	120.6130	0.0842	1277.0000
3459.0	63.9698	132.8443	0.0780	1279.0000
3459.5	64.9971	124.3168	0.0865	1291.0000
3460.0	66.8562	134.3679	0.1015	1316.0000
3460.5	67.7987	141.2364	0.1088	1308.0000
3461.0	68.4631	147.0627	0.1138	1301.0000
3461.5	68.3818	133.8376	0.1132	1305.0000
3462.0	66.4723	122.7424	0.0985	1318.0000
3462.5	66.1494	123.2720	0.0959	1323.0000
3463.0	65.2898	128.6176	0.0889	1309.0000
3463.5	64.7225	151.2628	0.0842	1299.0000
3464.0	65.2509	147.4931	0.0886	1294.0000
3464.5	65.1332	149.0246	0.0876	1284.0000
3465.0	67.1536	140.1164	0.1038	1287.0000
3465.5	67.8522	148.1234	0.1092	1308.0000
3466.0	69.4447	148.6524	0.1210	1323.0000

3572.0	62.1717	74.5611	0.0620	1348.0000
3572.5	62.1819	68.7764	0.0621	1360.0000
3573.0	62.0675	86.2336	0.0611	1382.0000
3573.5	62.4955	108.4241	0.0650	1378.0000
3574.0	63.0443	120.0767	0.0698	1368.0000
3574.5	63.3832	124.8378	0.0728	1363.0000
3575.0	63.5679	122.9815	0.0744	1365.0000
3575.5	62.8954	130.3968	0.0685	1363.0000
3576.0	62.4652	129.8678	0.0647	1362.0000
3576.5	62.0249	128.6061	0.0607	1376.0000
3577.0	61.6800	110.5618	0.0576	1371.0000
3577.5	61.4019	102.6267	0.0550	1359.0000
3578.0	60.5426	90.9886	0.0469	1362.0000
3578.5	60.8880	90.4596	0.0502	1359.0000
3579.0	63.3043	100.5107	0.0721	1369.0000
3579.5	65.7831	130.1350	0.0929	1384.0000
3580.0	68.3282	152.3532	0.1128	1370.0000
3580.5	69.4471	157.6432	0.1210	1361.0000
3581.0	68.0359	143.8891	0.1106	1354.0000
3581.5	66.9120	141.7731	0.1019	1362.0000
3582.0	66.0435	150.6956	0.0950	1363.0000
3582.5	65.6808	151.4508	0.0921	1370.0000
3583.0	65.5518	147.2188	0.0911	1360.0000
3583.5	65.5433	130.7901	0.0910	1361.0000
3584.0	66.0445	128.0287	0.0951	1377.0000
3584.5	66.5611	130.1447	0.0992	1363.0000
3585.0	67.1352	147.1730	0.1037	1366.0000
3585.5	67.4124	158.1722	0.1058	1376.0000
3586.0	67.4750	162.4043	0.1063	1363.0000
3586.5	67.6204	152.9077	0.1074	1368.0000
3587.0	67.6908	145.4660	0.1079	1366.0000
3587.5	68.2647	140.0763	0.1123	1375.0000
3588.0	67.4227	146.4664	0.1059	1359.0000
3588.5	66.4597	153.3790	0.0984	1363.0000
3589.0	66.9477	156.5926	0.1022	1374.0000
3589.5	66.4031	152.8850	0.0979	1390.0000
3590.0	67.0137	143.3629	0.1027	1384.0000
3590.5	67.9935	143.8307	0.1102	1357.0000
3591.0	66.7973	136.4691	0.1010	1363.0000
3591.5	65.8040	131.1790	0.0931	1345.0000
3592.0	65.4524	127.4852	0.0903	1349.0000
3592.5	65.7334	128.0155	0.0925	1373.0000
3593.0	65.8840	135.4216	0.0938	1385.0000
3593.5	66.6581	139.2366	0.0999	1363.0000
3594.0	66.8040	156.0562	0.1011	1376.0000
3594.5	66.6657	150.7662	0.1000	1349.0000
3595.0	66.2874	144.2895	0.0970	1348.0000
3595.5	65.0663	119.9553	0.0871	1363.0000
3596.0	64.0699	111.4497	0.0787	1379.0000
3596.5	62.5408	110.0421	0.0654	1382.0000
3597.0	61.5728	111.1002	0.0566	1369.0000

3571.5	62.4659	80.9375	0.0647	1351.0000
3571.0	62.6459	97.8657	0.0663	1355.0000
3570.5	62.9550	99.4714	0.0690	1350.0000
3570.0	63.1209	96.8264	0.0705	1374.0000
3569.5	62.8495	86.8070	0.0681	1373.0000
3569.0	62.7977	79.8763	0.0677	1368.0000
3568.5	62.9839	76.7022	0.0693	1351.0000
3568.0	62.9979	76.2037	0.0694	1358.0000
3567.5	63.2162	73.5304	0.0713	1357.0000
3567.0	62.7242	76.1755	0.0670	1365.0000
3566.5	62.2276	77.2036	0.0625	1365.0000
3566.0	62.0741	77.2352	0.0612	1351.0000
3565.5	62.2315	74.5902	0.0626	1341.0000
3565.0	62.3908	69.2935	0.0640	1344.0000
3564.5	61.9301	65.0931	0.0598	1342.0000
3564.0	61.2674	57.0409	0.0537	1368.0000
3563.5	60.3742	52.2739	0.0453	1360.0000
3563.0	60.0151	42.7373	0.0418	1350.0000
3562.5	60.1945	38.0934	0.0436	1344.0000
3562.0	60.8936	38.0821	0.0502	1345.0000
3561.5	61.4138	41.2706	0.0551	1355.0000
3561.0	61.5238	43.3962	0.0561	1370.0000
3560.5	61.5949	42.3297	0.0568	1367.0000
3560.0	61.7743	42.3297	0.0584	1358.0000
3559.5	62.0016	39.6751	0.0605	1344.0000
3559.0	62.0688	40.7331	0.0611	1338.0000
3558.5	62.0621	38.6171	0.0610	1349.0000
3558.0	61.8672	45.0062	0.0593	1363.0000
3557.5	61.7015	50.7713	0.0578	1369.0000
3557.0	61.6628	59.2353	0.0574	1363.0000
3556.5	61.4554	61.8870	0.0555	1348.0000
3556.0	61.5103	59.7762	0.0560	1346.0000
3555.5	61.3897	57.1312	0.0549	1348.0000
3555.0	61.0630	54.4590	0.0518	1355.0000
3554.5	60.9778	50.7849	0.0510	1360.0000
3554.0	61.1226	49.1979	0.0524	1354.0000
3553.5	61.0972	50.7869	0.0521	1346.0000
3553.0	60.9442	55.5678	0.0507	1341.0000
3552.5	61.1509	54.5098	0.0526	1338.0000
3552.0	61.1927	51.8422	0.0530	1341.0000
3551.5	61.1391	52.7783	0.0525	1346.0000
3551.0	61.1279	53.8363	0.0524	1344.0000
3550.5	60.9143	53.3073	0.0504	1358.0000
3550.0	60.8570	47.6102	0.0499	1349.0000
3549.5	61.1852	45.4942	0.0530	1361.0000
3549.0	61.4082	42.8492	0.0550	1359.0000
3548.5	61.5236	44.9652	0.0561	1352.0000
3548.0	61.7004	48.1392	0.0577	1354.0000
3547.5	61.7599	47.6248	0.0583	1336.0000
3547.0	61.7082	50.2441	0.0578	1344.0000
3546.5	61.3924	43.8960	0.0549	1344.0000

3520.5	66.9493	147.5917	0.1022	1326.0000
3521.0	66.7434	140.7146	0.1006	1334.0000
3521.5	65.7291	135.9595	0.0925	1357.0000
3522.0	65.2739	131.1925	0.0888	1379.0000
3522.5	66.4691	123.7864	0.0984	1363.0000
3523.0	67.1110	126.4282	0.1035	1349.0000
3523.5	67.8530	125.9482	0.1092	1341.0000
3524.0	68.3205	116.9551	0.1127	1336.0000
3524.5	67.0882	110.5689	0.1033	1357.0000
3525.0	67.7720	115.3419	0.1086	1387.0000
3525.5	67.2757	140.2051	0.1048	1371.0000
3526.0	67.2830	144.4780	0.1048	1345.0000
3526.5	67.6460	143.3629	0.1076	1318.0000
3527.0	66.4414	134.1954	0.0982	1317.0000
3527.5	67.3955	128.8672	0.1057	1343.0000
3528.0	66.6016	133.6945	0.0995	1360.0000
3528.5	65.3780	121.7018	0.0897	1349.0000
3529.0	64.8197	123.8600	0.0850	1342.0000
3529.5	61.2342	104.7681	0.0534	1336.0000
3530.0	60.6772	95.7750	0.0482	1343.0000
3530.5	62.2057	93.0892	0.0624	1369.0000
3531.0	62.7123	101.0442	0.0669	1363.0000
3531.5	62.0024	99.4571	0.0605	1343.0000
3532.0	61.7201	92.1044	0.0579	1350.0000
3532.5	63.2824	94.1766	0.0719	1350.0000
3533.0	64.0297	117.9819	0.0784	1344.0000
3533.5	65.0840	128.0679	0.0872	1368.0000
3534.0	67.3897	125.9030	0.1056	1368.0000
3534.5	66.0909	111.6198	0.0954	1351.0000
3535.0	65.3977	107.9168	0.0898	1337.0000
3535.5	64.4628	96.8077	0.0821	1335.0000
3536.0	63.2927	81.4665	0.0720	1341.0000
3536.5	60.2007	64.5384	0.0436	1351.0000
3537.0	57.9874	53.2286	0.0214	1363.0000
3537.5	57.9971	49.5256	0.0215	1359.0000
3538.0	58.1187	53.7576	0.0228	1346.0000
3538.5	58.2530	62.9514	0.0242	1328.0000
3539.0	59.1485	72.4398	0.0333	1337.0000
3539.5	59.9472	67.1703	0.0412	1345.0000
3540.0	60.6314	57.6482	0.0477	1343.0000
3540.5	60.9644	49.1947	0.0509	1358.0000
3541.0	61.1490	49.7243	0.0526	1350.0000
3541.5	61.2843	48.1373	0.0539	1351.0000
3542.0	61.5409	44.9482	0.0563	1363.0000
3542.5	61.8387	44.4390	0.0590	1369.0000
3543.0	61.7529	47.0841	0.0582	1371.0000
3543.5	61.6369	49.7449	0.0572	1374.0000
3544.0	61.6504	46.0326	0.0573	1360.0000
3544.5	61.3713	43.3875	0.0547	1350.0000
3545.0	61.2001	42.3520	0.0531	1357.0000
3545.5	61.1412	41.2622	0.0526	1346.0000
3546.0	61.2185	49.1715	0.0533	1346.0000

3494.5	63.0859	131.1931	0.0702	1346.0000
3495.0	62.5663	105.8008	0.0656	1337.0000
3495.5	61.8109	106.3298	0.0588	1323.0000
3496.0	62.6356	107.9664	0.0662	1336.0000
3496.5	64.1684	127.4849	0.0796	1337.0000
3497.0	65.5207	129.6584	0.0908	1344.0000
3497.5	65.9464	136.4859	0.0943	1348.0000
3498.0	65.7198	139.5974	0.0924	1345.0000
3498.5	66.3844	137.5338	0.0978	1343.0000
3499.0	66.4776	141.2368	0.0985	1335.0000
3499.5	65.6066	149.1521	0.0915	1330.0000
3500.0	65.0512	151.8037	0.0870	1351.0000
3500.5	62.8314	145.4557	0.0680	1352.0000
3501.0	60.2007	125.9312	0.0436	1338.0000
3501.5	59.3178	106.8394	0.0350	1324.0000
3502.0	60.7396	115.3035	0.0488	1320.0000
3502.5	62.0747	128.0278	0.0612	1333.0000
3503.0	65.0614	145.6235	0.0870	1360.0000
3503.5	67.4012	150.3845	0.1057	1354.0000
3504.0	65.3158	155.6015	0.0891	1344.0000
3504.5	64.4643	168.2347	0.0821	1336.0000
3505.0	64.3620	155.5385	0.0812	1333.0000
3505.5	63.2328	147.6798	0.0715	1348.0000
3506.0	63.4514	132.7769	0.0734	1365.0000
3506.5	64.9011	124.8418	0.0857	1355.0000
3507.0	64.9721	122.2001	0.0863	1351.0000
3507.5	64.8026	117.9628	0.0849	1341.0000
3508.0	64.1343	125.8979	0.0793	1325.0000
3508.5	63.8590	121.7192	0.0769	1339.0000
3509.0	63.2777	116.9522	0.0719	1370.0000
3509.5	62.8788	115.3652	0.0684	1370.0000
3510.0	63.0463	113.7782	0.0699	1348.0000
3510.5	61.9728	119.5549	0.0602	1337.0000
3511.0	62.2568	106.8588	0.0628	1325.0000
3511.5	63.3905	107.9168	0.0729	1352.0000
3512.0	64.7001	106.3298	0.0840	1373.0000
3512.5	66.5918	122.2000	0.0994	1367.0000
3513.0	68.0522	130.6640	0.1107	1355.0000
3513.5	65.8127	139.5865	0.0932	1328.0000
3514.0	62.9739	123.4737	0.0692	1312.0000
3514.5	62.5893	109.1905	0.0658	1339.0000
3515.0	60.6056	106.1420	0.0475	1363.0000
3515.5	62.0064	114.8006	0.0605	1377.0000
3516.0	63.7219	129.1420	0.0757	1371.0000
3516.5	63.1217	128.9485	0.0705	1342.0000
3517.0	63.7190	129.5256	0.0757	1320.0000
3517.5	64.5521	121.5807	0.0828	1321.0000
3518.0	66.0718	125.4223	0.0953	1345.0000
3518.5	67.0100	124.3168	0.1027	1367.0000
3519.0	67.5102	134.9101	0.1066	1376.0000
3519.5	68.4850	144.4322	0.1139	1360.0000
3520.0	67.8469	151.8290	0.1091	1326.0000

3494.5	63.0859	131.1931	0.0702	1346.0000
3495.0	62.5663	105.8008	0.0656	1337.0000
3495.5	61.8109	106.3298	0.0588	1323.0000
3496.0	62.6356	107.9664	0.0662	1336.0000
3496.5	64.1684	127.4849	0.0796	1337.0000
3497.0	65.5207	129.6584	0.0908	1344.0000
3497.5	65.9464	136.4859	0.0943	1348.0000
3498.0	65.7198	139.5974	0.0924	1345.0000
3498.5	66.3844	137.5338	0.0978	1343.0000
3499.0	66.4776	141.2368	0.0985	1335.0000
3499.5	65.6066	149.1521	0.0915	1330.0000
3500.0	65.0512	151.8037	0.0870	1351.0000
3500.5	62.8314	145.4557	0.0680	1352.0000
3501.0	60.2007	125.9312	0.0436	1338.0000
3501.5	59.3178	106.8394	0.0350	1324.0000
3502.0	60.7396	115.3035	0.0488	1320.0000
3502.5	62.0747	128.0278	0.0612	1333.0000
3503.0	65.0614	145.6235	0.0870	1360.0000
3503.5	67.4012	150.3845	0.1057	1354.0000
3504.0	65.3158	155.6015	0.0891	1344.0000
3504.5	64.4643	168.2347	0.0821	1336.0000
3505.0	64.3620	155.5385	0.0812	1333.0000
3505.5	63.2328	147.6798	0.0715	1348.0000
3506.0	63.4514	132.7769	0.0734	1365.0000
3506.5	64.9011	124.8418	0.0857	1355.0000
3507.0	64.9721	122.2001	0.0863	1351.0000
3507.5	64.8026	117.9628	0.0849	1341.0000
3508.0	64.1343	125.8979	0.0793	1325.0000
3508.5	63.8590	121.7192	0.0769	1339.0000
3509.0	63.2777	116.9522	0.0719	1370.0000
3509.5	62.8788	115.3652	0.0684	1370.0000
3510.0	63.0463	113.7782	0.0699	1348.0000
3510.5	61.9728	119.5549	0.0602	1337.0000
3511.0	62.2568	106.8588	0.0628	1325.0000
3511.5	63.3905	107.9168	0.0729	1352.0000
3512.0	64.7001	106.3298	0.0840	1373.0000
3512.5	66.5918	122.2000	0.0994	1367.0000
3513.0	68.0522	130.6640	0.1107	1355.0000
3513.5	65.8127	139.5865	0.0932	1328.0000
3514.0	62.9739	123.4737	0.0692	1312.0000
3514.5	62.5893	109.1905	0.0658	1339.0000
3515.0	60.6056	106.1420	0.0475	1363.0000
3515.5	62.0064	114.8006	0.0605	1377.0000
3516.0	63.7219	129.1420	0.0757	1371.0000
3516.5	63.1217	128.9485	0.0705	1342.0000
3517.0	63.7190	129.5256	0.0757	1320.0000
3517.5	64.5521	121.5807	0.0828	1321.0000
3518.0	66.0718	125.4223	0.0953	1345.0000
3518.5	67.0100	124.3168	0.1027	1367.0000
3519.0	67.5102	134.9101	0.1066	1376.0000
3519.5	68.4850	144.4322	0.1139	1360.0000
3520.0	67.8469	151.8290	0.1091	1326.0000

3469.5	62.2799	110.0825	0.0630	1357.0000
3470.0	62.8567	115.3297	0.0682	1354.0000
3470.5	61.0434	111.6736	0.0516	1330.0000
3471.0	61.2102	116.9140	0.0532	1329.0000
3471.5	62.7723	123.7825	0.0674	1344.0000
3472.0	63.4690	133.8462	0.0735	1354.0000
3472.5	65.3762	133.8462	0.0896	1358.0000
3473.0	67.0924	137.5446	0.1033	1348.0000
3473.5	68.5585	132.7776	0.1145	1334.0000
3474.0	68.4957	130.1326	0.1140	1337.0000
3474.5	67.7638	141.6857	0.1085	1328.0000
3475.0	66.8458	148.6337	0.1014	1348.0000
3475.5	65.4841	151.8078	0.0905	1365.0000
3476.0	63.0229	142.8371	0.0696	1344.0000
3476.5	62.2667	124.2756	0.0629	1320.0000
3477.0	60.9189	117.9275	0.0505	1328.0000
3477.5	60.5217	108.9568	0.0467	1338.0000
3478.0	62.5261	126.4577	0.0652	1344.0000
3478.5	62.9492	128.0447	0.0690	1363.0000
3479.0	64.7883	125.4510	0.0848	1350.0000
3479.5	64.7681	117.4450	0.0846	1341.0000
3480.0	64.8230	117.9740	0.0851	1336.0000
3480.5	65.6938	125.4249	0.0922	1329.0000
3481.0	64.1726	126.5692	0.0796	1335.0000
3481.5	63.3287	130.2723	0.0723	1337.0000
3482.0	62.3226	121.7647	0.0634	1339.0000
3482.5	60.2154	110.5567	0.0438	1341.0000
3483.0	59.3157	99.4476	0.0349	1326.0000
3483.5	59.3903	96.3171	0.0357	1320.0000
3484.0	59.1106	103.2028	0.0329	1341.0000
3484.5	61.4120	112.7248	0.0551	1350.0000
3485.0	62.9254	123.3049	0.0688	1339.0000
3485.5	64.9145	129.6060	0.0858	1336.0000
3486.0	65.5769	129.6060	0.0913	1328.0000
3486.5	65.2926	129.6060	0.0890	1321.0000
3487.0	65.9420	135.9541	0.0942	1336.0000
3487.5	64.1883	130.6641	0.0797	1353.0000
3488.0	63.5054	128.0190	0.0739	1351.0000
3488.5	63.5735	124.8450	0.0745	1348.0000
3489.0	64.3711	133.3091	0.0813	1336.0000
3489.5	65.6349	139.6572	0.0917	1327.0000
3490.0	66.5340	146.0052	0.0990	1325.0000
3490.5	65.7245	146.4636	0.0925	1336.0000
3491.0	64.3034	135.8835	0.0807	1352.0000
3491.5	63.6349	122.6584	0.0750	1353.0000
3492.0	62.2731	119.5550	0.0630	1338.0000
3492.5	62.2212	126.9610	0.0625	1321.0000
3493.0	62.5437	123.7870	0.0654	1323.0000
3493.5	63.3842	129.6060	0.0728	1346.0000
3494.0	63.6303	130.1351	0.0749	1343.0000

3597.5	61.2654	114.2702	0.0537	1352.0000
3598.0	61.3321	122.7449	0.0543	1341.0000
3598.5	61.7269	131.7380	0.0580	1362.0000
3599.0	62.6300	148.5786	0.0662	1380.0000
3599.5	63.8187	139.7834	0.0766	1379.0000
3600.0	65.5895	138.1631	0.0914	1386.0000
3600.5	65.9762	122.9754	0.0945	1385.0000
3601.0	67.0812	129.0641	0.1032	1366.0000
3601.5	67.6751	126.9813	0.1078	1379.0000
3602.0	66.4007	135.9540	0.0979	1384.0000
3602.5	67.1728	127.4900	0.1040	1394.0000
3603.0	65.9903	125.9029	0.0946	1379.0000
3603.5	64.5914	118.4969	0.0831	1362.0000
3604.0	64.6180	124.8449	0.0834	1362.0000
3604.5	63.7367	134.3670	0.0759	1374.0000
3605.0	64.2019	147.1286	0.0798	1370.0000
3605.5	63.4335	141.3096	0.0732	1363.0000
3606.0	62.7152	125.3538	0.0669	1362.0000
3606.5	62.2237	112.8831	0.0625	1354.0000
3607.0	60.5640	107.5930	0.0471	1360.0000
3607.5	60.5274	107.6786	0.0467	1376.0000
3608.0	60.3059	108.4967	0.0446	1371.0000
3608.5	59.2361	108.4967	0.0341	1366.0000
3609.0	59.5476	104.2647	0.0372	1355.0000
3609.5	59.0458	92.5756	0.0322	1344.0000
3610.0	58.4422	89.4016	0.0261	1363.0000
3610.5	57.6448	85.6986	0.0178	1369.0000
3611.0	56.9918	81.9955	0.0109	1387.0000
3611.5	56.3609	74.9303	0.0040	1394.0000
3612.0	58.0396	80.8301	0.0220	1377.0000
3612.5	59.6538	93.5262	0.0383	1346.0000
3613.0	60.8049	119.2086	0.0494	1341.0000
3613.5	62.9654	131.3664	0.0691	1358.0000
3614.0	61.8717	129.7794	0.0593	1377.0000
3614.5	61.7353	116.4523	0.0581	1387.0000
3615.0	63.0076	109.5038	0.0695	1384.0000
3615.5	63.4441	113.2068	0.0733	1371.0000
3616.0	63.9636	112.7215	0.0778	1370.0000
3616.5	63.0824	109.5045	0.0702	1358.0000
3617.0	61.4331	103.6855	0.0553	1360.0000
3617.5	59.7577	104.1709	0.0393	1388.0000
3618.0	59.0831	94.7227	0.0326	1380.0000
3618.5	59.1173	101.0200	0.0330	1373.0000
3619.0	58.7130	87.3531	0.0289	1361.0000
3619.5	57.9257	85.7350	0.0208	1363.0000
3620.0	57.5358	84.6783	0.0167	1383.0000
3620.5	57.6562	96.8005	0.0180	1374.0000
3621.0	58.4631	103.1486	0.0263	1362.0000
3621.5	59.0007	90.9966	0.0318	1349.0000
3622.0	60.3459	92.5856	0.0450	1369.0000
3622.5	60.9210	101.0497	0.0505	1370.0000
3623.0	60.1705	104.7870	0.0433	1387.0000
3623.5	60.2010	102.1387	0.0436	1390.0000
3624.0	59.8337	96.6801	0.0400	1358.0000
3624.5	59.2598	89.2740	0.0344	1352.0000
3625.0	58.4572	88.7040	0.0263	1368.0000
3625.5	57.6215	80.9375	0.0176	1385.0000
3626.0	57.1169	93.1046	0.0122	1423.0000
3626.5	58.0291	93.1046	0.0219	1393.0000
3627.0	59.6587	109.4523	0.0383	1384.0000
3627.5	61.3517	120.0906	0.0545	1367.0000
3628.0	61.6651	123.7937	0.0574	1363.0000
3628.5	61.2990	119.0386	0.0540	1388.0000
3629.0	61.1149	108.4903	0.0523	1410.0000
3629.5	60.6604	98.4392	0.0480	1399.0000
3630.0	60.6114	103.1943	0.0476	1387.0000
3630.5	61.1699	108.4459	0.0528	1359.0000
3631.0	60.6523	121.6710	0.0479	1370.0000
3631.5	59.6263	112.6366	0.0380	1404.0000
3632.0	60.4836	100.9469	0.0463	1408.0000
3632.5	60.3157	95.1279	0.0447	1379.0000
3633.0	59.7522	105.8008	0.0392	1376.0000
3633.5	59.4058	107.3878	0.0358	1378.0000
3634.0	58.9694	106.3298	0.0315	1368.0000
3634.5	58.5405	96.8077	0.0302	1399.0000
3635.0	57.9218	94.6917	0.0207	1400.0000
3635.5	58.6477	89.3680	0.0282	1391.0000
3636.0	58.5579	84.1130	0.0273	1384.0000
3636.5	57.8539	92.6728	0.0200	1368.0000
3637.0	58.0683	94.2223	0.0223	1388.0000
3637.5	58.7643	97.4394	0.0294	1413.0000
3638.0	57.7705	84.6476	0.0192	1412.0000
3638.5	58.5405	93.1143	0.0271	1387.0000
3639.0	58.7978	99.9914	0.0297	1400.0000
3639.5	59.4331	100.0295	0.0361	1399.0000
3640.0	59.1082	99.4568	0.0329	1400.0000
3640.5	59.1002	97.6607	0.0328	1385.0000
3641.0	59.1570	102.9891	0.0334	1407.0000
3641.5	60.0482	95.0117	0.0421	1396.0000
3642.0	61.7417	104.2137	0.0581	1395.0000
3642.5	62.3245	110.0328	0.0634	1410.0000
3643.0	62.5888	112.6778	0.0658	1402.0000
3643.5	61.5511	102.6267	0.0564	1394.0000
3644.0	60.0688	86.7566	0.0423	1399.0000
3644.5	60.4903	90.9886	0.0464	1413.0000
3645.0	60.8307	101.5153	0.0496	1415.0000
3645.5	62.4207	115.5603	0.0643	1421.0000
3646.0	62.9870	124.5534	0.0693	1407.0000
3646.5	63.5042	122.4400	0.0739	1385.0000
3647.0	64.0514	122.7284	0.0786	1399.0000
3647.5	64.0882	128.0184	0.0789	1410.0000
3648.0	64.3454	123.8372	0.0811	1412.0000
3648.5	62.7723	119.0259	0.0674	1419.0000
3649.0	62.3256	115.3228	0.0534	1394.0000
3649.5	61.2672	109.5038	0.0537	1387.0000
3650.0	61.2513	121.1155	0.0536	1416.0000
3650.5	60.7013	113.2023	0.0484	1430.0000
3651.0	60.9369	116.3763	0.0506	1413.0000
3651.5	61.8648	120.6585	0.0592	1391.0000
3652.0	62.3681	125.9029	0.0638	1417.0000
3652.5	61.6248	120.0839	0.0570	1417.0000
3653.0	62.7271	131.3765	0.0758	1370.0000
3653.5	62.8658	126.9628	0.0683	1383.0000
3654.0	61.9437	119.5382	0.0600	1408.0000
3654.5	62.6625	104.1970	0.0665	1435.0000
3655.0	62.5859	99.4479	0.0658	1413.0000
3655.5	62.1793	106.8725	0.0621	1399.0000
3656.0	62.4654	125.3876	0.0647	1365.0000
3656.5	61.9043	128.1262	0.0596	1388.0000
3657.0	60.6813	112.6778	0.0482	1396.0000
3657.5	58.7405	93.1046	0.0292	1419.0000
3658.0	56.8097	78.2925	0.0089	1421.0000
3658.5	56.7838	79.3658	0.0086	1416.0000
3659.0	57.4257	81.9759	0.0155	1402.0000
3659.5	58.9357	94.7196	0.0311	1387.0000
3660.0	60.6706	103.1684	0.0481	1388.0000
3660.5	61.3374	117.4337	0.0544	1385.0000
3661.0	62.4992	116.9040	0.0650	1407.0000
3661.5	62.4291	114.7880	0.0644	1418.0000
3662.0	61.5102	111.5693	0.0560	1401.0000
3662.5	60.1837	99.9491	0.0434	1411.0000
3663.0	57.4518	89.8980	0.0158	1416.0000
3663.5	57.3231	90.4750	0.0144	1411.0000
3664.0	59.0265	99.0052	0.0320	1407.0000
3664.5	61.8271	119.6364	0.0589	1399.0000
3665.0	62.0793	127.0919	0.0612	1395.0000
3665.5	61.9575	124.3159	0.0601	1392.0000
3666.0	61.6724	114.7938	0.0575	1416.0000
3666.5	61.1732	111.6198	0.0529	1407.0000
3667.0	62.0267	126.4319	0.0607	1407.0000
3667.5	62.4423	128.5479	0.0645	1404.0000
3668.0	62.0106	119.0259	0.0606	1402.0000
3668.5	60.6563	111.6198	0.0480	1399.0000
3669.0	60.0466	111.5723	0.0421	1405.0000
3669.5	61.1100	115.3366	0.0523	1395.0000
3670.0	60.5446	110.5755	0.0469	1409.0000
3670.5	61.0424	101.5575	0.0516	1407.0000
3671.0	60.7843	105.3039	0.0492	1400.0000
3671.5	60.7014	104.7749	0.0484	1402.0000
3672.0	61.3644	117.5435	0.0546	1400.0000
3672.5	61.6248	120.0839	0.0570	1417.0000
3673.0	62.3681	125.9029	0.0638	1417.0000
3673.5	61.8648	120.6585	0.0592	1391.0000
3674.0	60.9369	116.3763	0.0506	1413.0000
3674.5	60.7013	113.2023	0.0484	1430.0000
3675.0	61.2513	121.1155	0.0536	1416.0000

3725.5	61.4665	116.9336	0.0556	1387.0000
3726.0	61.1873	114.2464	0.0530	1402.0000
3726.5	60.7790	108.5002	0.0491	1412.0000
3727.0	60.5947	112.7323	0.0474	1412.0000
3727.5	61.3749	123.2439	0.0547	1415.0000
3728.0	63.0298	124.3046	0.0697	1412.0000
3728.5	63.7614	132.7686	0.0761	1407.0000
3729.0	63.6413	133.8806	0.0750	1407.0000
3729.5	63.3436	138.5979	0.0725	1395.0000
3730.0	62.6846	134.8433	0.0666	1403.0000
3730.5	63.0163	127.4654	0.0696	1421.0000
3731.0	63.6563	131.6419	0.0752	1412.0000
3731.5	63.6815	132.5003	0.0754	1407.0000
3732.0	64.8308	143.1697	0.0851	1393.0000
3732.5	66.5402	136.8217	0.0990	1392.0000
3733.0	66.7978	138.6005	0.1010	1408.0000
3733.5	65.9049	130.1259	0.0939	1430.0000
3734.0	64.5524	133.8289	0.0828	1408.0000
3734.5	62.1221	131.6589	0.0616	1398.0000
3735.0	61.4999	131.1790	0.0559	1402.0000
3735.5	62.5664	117.4248	0.0656	1407.0000
3736.0	64.1337	123.2294	0.0793	1421.0000
3736.5	65.1616	122.6991	0.0879	1421.0000
3737.0	64.7729	131.1631	0.0847	1402.0000
3737.5	63.5692	119.4050	0.0744	1411.0000
3738.0	62.2117	116.7076	0.0624	1407.0000
3738.5	61.5043	111.9466	0.0559	1409.0000
3739.0	61.2364	114.8394	0.0534	1416.0000
3739.5	61.8293	124.8449	0.0589	1411.0000
3740.0	61.8940	135.9540	0.0595	1433.0000
3740.5	62.7876	140.1860	0.0676	1436.0000
3741.0	64.1140	133.3090	0.0791	1400.0000
3741.5	63.7938	134.3070	0.0764	1401.0000
3742.0	63.5977	120.4542	0.0747	1429.0000
3742.5	62.3140	124.1572	0.0633	1412.0000
3743.0	60.7795	109.3221	0.0491	1415.0000
3743.5	59.2663	111.6242	0.0344	1424.0000
3744.0	57.5944	99.4570	0.0173	1421.0000
3744.5	58.4884	97.8740	0.0266	1407.0000
3745.0	60.0012	103.7076	0.0417	1413.0000
3745.5	61.6989	109.5267	0.0577	1408.0000
3746.0	63.8773	116.4828	0.0771	1407.0000
3746.5	62.3860	114.7938	0.0640	1413.0000
3747.0	61.1569	106.8587	0.0527	1418.0000
3747.5	60.3733	97.8656	0.0453	1423.0000
3748.0	57.7305	95.7496	0.0187	1413.0000
3748.5	58.6790	104.2691	0.0285	1415.0000
3749.0	60.0510	116.4885	0.0422	1411.0000
3749.5	60.8563	120.7205	0.0499	1411.0000
3750.0	62.0439	119.5616	0.0609	1420.0000
3750.5	62.8608	117.4429	0.0682	1431.0000
3751.0	63.7358	124.8490	0.0759	1409.0000
3751.5	63.4664	130.6081	0.0735	1412.0000
3752.0	63.6815	127.4759	0.0754	1420.0000
3752.5	64.3362	120.0698	0.0810	1424.0000
3753.0	63.5687	118.4868	0.0744	1429.0000
3753.5	62.6266	115.8351	0.0661	1434.0000
3754.0	61.9599	105.7840	0.0601	1424.0000
3754.5	60.2507	102.0902	0.0441	1429.0000
3755.0	59.9960	112.6968	0.0416	1423.0000
3755.5	60.1935	124.5847	0.0435	1407.0000
3756.0	59.9255	121.5029	0.0409	1402.0000
3756.5	59.9324	108.6955	0.0410	1427.0000
3757.0	59.6401	102.0977	0.0381	1426.0000
3757.5	59.5396	104.7427	0.0372	1433.0000
3758.0	59.6011	108.9748	0.0378	1432.0000
3758.5	59.4609	108.9292	0.0364	1416.0000
3759.0	59.7749	109.9873	0.0395	1412.0000
3759.5	59.9307	105.7949	0.0410	1412.0000
3760.0	59.9237	101.0285	0.0409	1425.0000
3760.5	59.3260	90.1910	0.0350	1452.0000
3761.0	58.8117	91.4940	0.0299	1442.0000
3761.5	58.8192	90.4486	0.0300	1432.0000
3762.0	59.0308	97.1374	0.0321	1426.0000
3762.5	59.9492	96.8528	0.0412	1394.0000
3763.0	60.7208	97.3423	0.0486	1400.0000
3763.5	61.0318	86.1776	0.0515	1404.0000
3764.0	61.2163	79.8626	0.0533	1421.0000
3764.5	61.1303	77.8243	0.0525	1437.0000
3765.0	60.7347	91.0217	0.0487	1438.0000
3765.5	60.5256	102.0977	0.0467	1426.0000
3766.0	60.6576	103.6847	0.0480	1409.0000
3766.5	60.3408	101.8134	0.0450	1410.0000
3792.0	60.0439	93.4332	0.0421	1407.0000
3792.5	59.8521	95.4156	0.0402	1412.0000
3793.0	59.4520	99.4904	0.0363	1399.0000
3793.5	61.8810	118.5346	0.0594	1383.0000
3794.0	57.7320	95.4262	0.0187	1420.0000
3794.5	60.7572	104.0456	0.0489	1402.0000
3795.0	61.7332	116.7197	0.0580	1427.0000
3795.5	62.1251	120.2047	0.0616	1425.0000
3796.0	64.4251	122.7083	0.0817	1396.0000
3796.5	66.3783	130.1365	0.0977	1390.0000
3797.0	67.3171	130.1365	0.1051	1395.0000
3797.5	67.6069	124.8398	0.1073	1408.0000
3798.0	64.3939	116.3757	0.0815	1424.0000
3798.5	62.1558	112.7228	0.0619	1420.0000
3799.0	60.9941	113.2068	0.0512	1412.0000
3799.5	59.5478	98.3947	0.0372	1408.0000
3800.0	61.2494	94.7327	0.0536	1410.0000
3800.5	62.4252	100.8312	0.0643	1407.0000
3801.0	63.5347	124.6364	0.0741	1429.0000
3801.5	65.8128	126.7115	0.0932	1417.0000
3802.0	65.2181	134.8961	0.0883	1420.0000
3802.5	65.2799	125.8528	0.0888	1437.0000
3803.0	66.2916	131.7228	0.0970	1430.0000
3803.5	66.4596	122.7297	0.0984	1410.0000
3804.0	65.3256	123.7864	0.0892	1436.0000
3804.5	65.6145	123.2568	0.0916	1415.0000
3805.0	64.1197	124.8438	0.0791	1411.0000
3805.5	62.1438	116.9186	0.0618	1427.0000
3806.0	62.0273	111.1354	0.0607	1413.0000
3806.5	60.1270	99.9860	0.0429	1425.0000
3807.0	61.6458	107.9847	0.0572	1430.0000
3807.5	63.1807	122.1818	0.0710	1412.0000
3808.0	65.3649	144.9693	0.0895	1410.0000
3808.5	66.2405	147.5922	0.0966	1413.0000
3809.0	63.8602	132.7800	0.0769	1417.0000
3809.5	61.6424	115.8519	0.0572	1421.0000
3810.0	58.6758	106.3298	0.0285	1445.0000
3810.5	56.9251	104.7428	0.0102	1421.0000
3811.0	57.4908	98.3777	0.0162	1415.0000
3811.5	60.0544	94.7131	0.0422	1424.0000
3812.0	63.3723	117.4603	0.0727	1425.0000
3812.5	66.0254	137.9780	0.0949	1413.0000
3813.0	66.4623	143.8501	0.0984	1431.0000
3813.5	65.9729	134.8570	0.0945	1425.0000
3814.0	65.4821	123.7756	0.0905	1413.0000
3814.5	65.8943	130.6698	0.0938	1407.0000
3815.0	65.8179	131.7278	0.0932	1405.0000
3815.5	64.7014	130.2436	0.0841	1423.0000
3816.0	64.5444	130.6640	0.0827	1423.0000
3816.5	63.9411	128.0190	0.0776	1418.0000
3817.0	63.7273	130.6640	0.0758	1438.0000
3817.5	62.8869	118.0602	0.0684	1429.0000
3818.0	61.5118	110.1251	0.0560	1428.0000
3818.5	59.8719	103.2481	0.0404	1434.0000
3819.0	60.0036	124.8450	0.0417	1428.0000
3819.5	62.7057	132.7246	0.0668	1430.0000
3820.0	63.7895	140.7139	0.0763	1443.0000
3820.5	64.9041	131.7208	0.0857	1444.0000
3821.0	63.7675	125.3807	0.0761	1436.0000
3821.5	63.9571	120.6137	0.0778	1443.0000
3822.0	63.0841	112.0930	0.0702	1424.0000
3822.5	62.1586	108.2037	0.0619	1407.0000
3823.0	61.8983	106.3647	0.0596	1433.0000
3823.5	61.3759	102.7183	0.0547	1437.0000
3824.0	62.8808	106.6550	0.0684	1450.0000
3824.5	62.5812	110.5618	0.0657	1445.0000
3825.0	62.0778	117.9679	0.0612	1424.0000
3825.5	61.4183	115.3229	0.0551	1412.0000
3826.0	59.2403	113.2068	0.0342	1417.0000
3826.5	60.8654	117.4389	0.0500	1405.0000
3827.0	62.4880	125.5018	0.0649	1421.0000
3827.5	63.1835	130.2629	0.0711	1442.0000

3956.0	61.0187	82.0209	0.0514	1465.0000
3956.5	62.1711	94.7171	0.0620	1474.0000
3957.0	64.4311	110.5477	0.0818	1458.0000
3957.5	64.6436	117.4420	0.0836	1454.0000
3958.0	64.2198	110.5649	0.0800	1458.0000
3958.5	64.1288	112.1960	0.0792	1456.0000
3959.0	62.6931	109.8911	0.0667	1462.0000
3959.5	63.2320	115.1811	0.0715	1473.0000
3960.0	62.9661	117.8228	0.0691	1468.0000
3960.5	61.8034	113.6844	0.0587	1463.0000
3961.0	62.4774	108.3943	0.0648	1456.0000
3961.5	62.1332	102.1413	0.0617	1477.0000
3962.0	61.6060	105.3154	0.0569	1475.0000
3962.5	61.5367	101.5728	0.0562	1467.0000
3963.0	60.7673	99.4541	0.0490	1467.0000
3963.5	59.7499	95.7511	0.0392	1471.0000
3964.0	59.0555	91.1837	0.0323	1458.0000
3964.5	59.1640	83.8002	0.0334	1466.0000
3965.0	58.4888	82.7422	0.0266	1469.0000
3965.5	58.4840	77.2710	0.0265	1467.0000
3966.0	59.4635	80.4530	0.0364	1469.0000
3966.5	60.5548	88.9170	0.0470	1463.0000
3967.0	61.9826	111.6913	0.0603	1452.0000
3967.5	61.6719	108.9748	0.0575	1461.0000
3968.0	59.8384	94.1626	0.0401	1457.0000
3968.5	58.9630	74.0604	0.0314	1469.0000
3969.0	59.4809	79.4428	0.0366	1477.0000
3969.5	60.9176	100.5469	0.0505	1465.0000
3970.0	62.2390	108.5223	0.0627	1452.0000
3970.5	62.0078	113.7201	0.0606	1465.0000
3971.0	61.4504	103.1532	0.0554	1473.0000
3971.5	60.7251	102.5838	0.0486	1460.0000
3972.0	62.2939	99.4098	0.0631	1466.0000
3972.5	62.0023	95.7496	0.0605	1454.0000
3973.0	59.9561	89.4333	0.0412	1445.0000
3973.5	59.8943	77.2662	0.0406	1453.0000
3974.0	57.9339	81.4113	0.0209	1456.0000
3974.5	59.7650	98.9440	0.0394	1473.0000
3975.0	63.0687	117.6645	0.0700	1476.0000
3975.5	63.7346	118.2805	0.0758	1471.0000
3976.0	63.8403	110.2818	0.0768	1471.0000
3976.5	62.1403	96.8513	0.0618	1463.0000
3977.0	58.9138	96.3223	0.0309	1467.0000
3977.5	58.8490	91.5176	0.0303	1468.0000
3978.0	58.6780	98.3947	0.0285	1471.0000
3978.5	58.3577	90.4596	0.0253	1477.0000
3979.0	57.9161	84.6405	0.0207	1473.0000
3979.5	57.2954	77.2345	0.0141	1468.0000
3980.0	57.3432	78.3530	0.0146	1474.0000
3980.5	57.7266	80.4690	0.0187	1463.0000
3981.0	57.7427	74.0966	0.0189	1474.0000

3930.5	62.2264	123.2653	0.0625	1448.0000
3931.0	61.4681	108.9822	0.0556	1463.0000
3931.5	61.0157	107.3550	0.0514	1469.0000
3932.0	60.5313	103.2823	0.0468	1456.0000
3932.5	60.7026	106.4564	0.0484	1459.0000
3933.0	63.0373	110.7252	0.0698	1466.0000
3933.5	64.2778	114.3193	0.0805	1474.0000
3934.0	65.2876	121.1964	0.0889	1466.0000
3934.5	65.4153	123.3599	0.0900	1465.0000
3935.0	64.4967	125.3739	0.0823	1470.0000
3935.5	64.9604	123.7869	0.0862	1449.0000
3936.0	63.8406	119.5549	0.0768	1466.0000
3936.5	62.8340	122.1999	0.0680	1452.0000
3937.0	61.3014	118.4969	0.0541	1456.0000
3937.5	61.0285	116.9099	0.0515	1452.0000
3938.0	61.4202	117.1876	0.0552	1454.0000
3938.5	63.5386	120.3115	0.0742	1454.0000
3939.0	65.6835	131.4775	0.0921	1473.0000
3939.5	67.4704	132.7867	0.1063	1453.0000
3940.0	69.0970	140.1836	0.1185	1454.0000
3940.5	67.7242	134.8869	0.1082	1454.0000
3941.0	67.0967	142.2930	0.1034	1452.0000
3941.5	65.7921	144.4064	0.0930	1456.0000
3942.0	66.2574	151.8813	0.0968	1453.0000
3942.5	66.5897	148.7073	0.0994	1452.0000
3943.0	64.8499	137.1108	0.0853	1467.0000
3943.5	64.1035	123.2375	0.0790	1458.0000
3944.0	62.6457	116.8895	0.0663	1446.0000
3944.5	62.6757	123.8431	0.0666	1459.0000
3945.0	64.7877	132.8362	0.0848	1458.0000
3945.5	65.3412	140.1770	0.0893	1461.0000
3946.0	66.1644	139.6473	0.0960	1465.0000
3946.5	66.0708	135.4153	0.0953	1454.0000
3947.0	65.7251	126.4334	0.0925	1452.0000
3947.5	65.5087	125.3741	0.0907	1452.0000
3948.0	63.5657	118.5140	0.0744	1443.0000
3948.5	64.4693	112.1278	0.0821	1465.0000
3949.0	64.9430	115.3641	0.0861	1475.0000
3949.5	66.7161	139.6814	0.1004	1466.0000
3950.0	68.7218	149.2957	0.1157	1456.0000
3950.5	68.9210	150.7662	0.1172	1451.0000
3951.0	68.0131	135.9540	0.1104	1458.0000
3951.5	65.5261	131.1930	0.0909	1474.0000
3952.0	64.5875	116.9099	0.0831	1492.0000
3952.5	62.9763	108.9748	0.0692	1484.0000
3953.0	61.8860	103.9311	0.0594	1468.0000
3953.5	62.7941	100.2281	0.0676	1441.0000
3954.0	64.2375	102.2999	0.0801	1425.0000
3954.5	63.5855	107.9255	0.0746	1440.0000
3955.0	62.5383	107.3965	0.0653	1459.0000
3955.5	61.5048	93.1048	0.0559	1461.0000

3904.5	61.7828	137.3615	0.0585	1452.0000
3905.0	61.4005	126.8754	0.0550	1443.0000
3905.5	61.6021	127.2300	0.0568	1470.0000
3906.0	62.7045	118.4907	0.0668	1453.0000
3906.5	62.7916	134.3927	0.0676	1450.0000
3907.0	63.9449	144.9728	0.0777	1463.0000
3907.5	63.8132	152.3604	0.0765	1454.0000
3908.0	62.1523	144.9358	0.0619	1458.0000
3908.5	61.5973	124.3046	0.0568	1458.0000
3909.0	61.1050	118.0237	0.0522	1441.0000
3909.5	61.2901	118.4996	0.0539	1452.0000
3910.0	61.1820	126.4347	0.0529	1446.0000
3910.5	61.3137	117.4931	0.0542	1442.0000
3911.0	60.9954	115.3449	0.0512	1452.0000
3911.5	60.3463	114.8159	0.0450	1467.0000
3912.0	60.2277	119.5770	0.0439	1463.0000
3912.5	60.3654	115.8518	0.0452	1477.0000
3913.0	60.4849	126.9609	0.0463	1462.0000
3913.5	61.1417	121.1419	0.0526	1445.0000
3914.0	62.0061	131.1930	0.0605	1454.0000
3914.5	62.2011	129.5426	0.0623	1453.0000
3915.0	61.9947	149.7090	0.0604	1450.0000
3915.5	62.1291	141.1146	0.0617	1451.0000
3916.0	60.9102	119.9440	0.0504	1446.0000
3916.5	60.3827	93.4918	0.0454	1444.0000
3917.0	60.0994	83.5710	0.0426	1456.0000
3917.5	59.6603	82.5511	0.0383	1465.0000
3918.0	59.8562	88.8760	0.0403	1454.0000
3918.5	60.8782	101.5721	0.0501	1446.0000
3919.0	61.5666	113.2458	0.0565	1431.0000
3919.5	63.0094	125.9029	0.0695	1441.0000
3920.0	63.8621	129.1332	0.0769	1454.0000
3920.5	64.0152	128.5547	0.0783	1450.0000
3921.0	63.5479	129.1393	0.0742	1459.0000
3921.5	62.6511	111.0969	0.0664	1466.0000
3922.0	60.7901	103.1943	0.0492	1457.0000
3922.5	60.1345	89.3846	0.0430	1450.0000
3923.0	60.8317	98.3328	0.0496	1436.0000
3923.5	60.8027	103.1565	0.0494	1436.0000
3924.0	61.0882	111.0916	0.0521	1457.0000
3924.5	61.3048	111.0468	0.0541	1462.0000
3925.0	60.9313	105.7893	0.0506	1462.0000
3925.5	61.5363	105.7344	0.0562	1482.0000
3926.0	61.7596	98.9469	0.0583	1473.0000
3926.5	62.6681	109.4489	0.0665	1462.0000
3927.0	62.6915	102.6267	0.0667	1452.0000
3927.5	62.3535	119.5549	0.0637	1449.0000
3928.0	62.0147	127.4900	0.0606	1457.0000
3928.5	61.3456	122.7289	0.0545	1466.0000
3929.0	61.4550	115.3711	0.0555	1463.0000
3929.5	62.0658	112.1971	0.0611	1460.0000
3930.0	62.4582	120.6170	0.0646	1453.0000

3853.5	64.3391	138.5986	0.0810	1437.0000
3854.0	64.5309	139.1283	0.0826	1424.0000
3854.5	63.6491	119.0261	0.0751	1436.0000
3855.0	62.1700	106.8628	0.0620	1449.0000
3855.5	59.6076	89.9135	0.0378	1438.0000
3856.0	59.1370	90.9715	0.0332	1443.0000
3856.5	60.2356	87.7843	0.0439	1435.0000
3857.0	61.9487	93.9251	0.0600	1423.0000
3857.5	63.9378	110.3243	0.0776	1442.0000
3858.0	65.6579	134.7226	0.0919	1451.0000
3858.5	67.3768	147.5922	0.1055	1449.0000
3859.0	68.0073	148.1212	0.1103	1449.0000
3859.5	68.1379	138.0701	0.1113	1430.0000
3860.0	68.4532	133.8381	0.1137	1428.0000
3860.5	68.1095	126.7873	0.1111	1450.0000
3861.0	67.8647	129.6782	0.1093	1458.0000
3861.5	66.0298	120.0978	0.0949	1457.0000
3862.0	63.6737	124.4455	0.0753	1445.0000
3862.5	63.8246	118.9598	0.0766	1444.0000
3863.0	64.7635	130.1272	0.0846	1451.0000
3863.5	65.8753	127.9586	0.0937	1457.0000
3864.0	66.1294	127.4786	0.0957	1450.0000
3864.5	65.7413	124.3046	0.0926	1444.0000
3865.0	63.9346	116.4347	0.0776	1438.0000
3865.5	64.2959	119.0333	0.0806	1437.0000
3866.0	65.8052	124.9099	0.0931	1437.0000
3866.5	65.9501	136.0390	0.0943	1452.0000
3867.0	67.3662	143.3922	0.1055	1450.0000
3867.5	68.4888	138.5736	0.1140	1449.0000
3868.0	67.8536	145.0146	0.1092	1453.0000
3868.5	67.4092	133.9055	0.1058	1459.0000
3869.0	65.4279	123.8155	0.0901	1446.0000
3869.5	63.2729	110.5738	0.0718	1446.0000
3870.0	62.6709	106.3418	0.0665	1431.0000
3870.5	61.1236	113.7386	0.0524	1442.0000
3871.0	61.5836	114.7980	0.0567	1446.0000
3871.5	62.2762	123.9189	0.0630	1430.0000
3872.0	60.6731	130.3199	0.0481	1450.0000
3872.5	59.9167	123.9009	0.0409	1453.0000
3873.0	59.5117	120.0700	0.0369	1471.0000
3873.5	58.8028	108.3856	0.0298	1442.0000
3874.0	59.6168	111.0969	0.0379	1446.0000
3874.5	60.6262	123.3288	0.0477	1428.0000
3875.0	60.7475	134.9524	0.0488	1437.0000
3875.5	61.2799	139.7194	0.0539	1452.0000
3876.0	62.4759	129.5514	0.0648	1458.0000
3876.5	61.6567	124.8967	0.0573	1454.0000
3877.0	61.1268	120.0821	0.0524	1438.0000
3877.5	61.2068	121.1388	0.0532	1440.0000
3878.0	60.3502	121.2613	0.0451	1454.0000

3803.5	64.3441	114.9132	0.0459	1444.0000
3879.0	60.8495	105.4030	0.0498	1431.0000
3879.5	59.9691	99.9838	0.0414	1452.0000
3880.0	60.2675	111.6219	0.0443	1459.0000
3880.5	60.3918	115.3203	0.0455	1452.0000
3881.0	60.3367	116.3797	0.0449	1444.0000
3881.5	60.3748	111.6186	0.0453	1424.0000
3882.0	59.8536	113.1556	0.0402	1438.0000
3882.5	60.4405	108.3139	0.0478	1442.0000
3883.0	60.0860	107.3113	0.0425	1437.0000
3883.5	59.6492	102.1174	0.0382	1456.0000
3884.0	59.2583	101.0952	0.0344	1444.0000
3884.5	57.7460	96.2787	0.0189	1432.0000
3885.0	58.2574	101.5687	0.0242	1420.0000
3885.5	58.1710	116.4371	0.0233	1431.0000
3886.0	58.3724	116.9661	0.0254	1451.0000
3886.5	58.6482	103.7410	0.0282	1482.0000
3887.0	59.5026	98.3947	0.0368	1474.0000
3887.5	60.4130	105.2216	0.0457	1452.0000
3888.0	62.4954	123.8359	0.0650	1442.0000
3888.5	64.1674	132.8290	0.0796	1437.0000
3889.0	65.3465	141.2825	0.0894	1441.0000
3889.5	66.1309	148.1876	0.0957	1471.0000
3890.0	66.0508	150.8326	0.0951	1473.0000
3890.5	66.5406	143.3845	0.0990	1462.0000
3891.0	66.6545	145.5058	0.0999	1452.0000
3891.5	66.9286	140.7447	0.1021	1432.0000
3892.0	66.9768	146.1375	0.1024	1440.0000
3892.5	66.5452	143.8891	0.0990	1452.0000
3893.0	65.5619	143.8891	0.0912	1466.0000
3893.5	65.3818	147.0631	0.0897	1457.0000
3894.0	65.3834	135.7484	0.0897	1452.0000
3894.5	64.4468	133.1034	0.0819	1437.0000
3895.0	63.9189	133.1034	0.0774	1434.0000
3895.5	63.0740	135.4250	0.0701	1448.0000
3896.0	62.0161	127.9734	0.0606	1448.0000
3896.5	61.0761	117.9719	0.0519	1452.0000
3897.0	59.8924	107.9208	0.0406	1451.0000
3897.5	58.4669	99.9957	0.0264	1435.0000
3898.0	57.3589	86.2243	0.0148	1449.0000
3898.5	56.6614	75.8068	0.0073	1461.0000
3899.0	56.4153	74.7159	0.0046	1457.0000
3899.5	57.6909	78.9910	0.0183	1471.0000
3900.0	58.9374	95.2276	0.0311	1468.0000
3900.5	59.5603	107.4632	0.0374	1454.0000
3901.0	60.3672	125.3739	0.0452	1443.0000
3901.5	60.8557	128.0189	0.0499	1461.0000
3902.0	60.4828	125.3739	0.0463	1449.0000
3902.5	61.0932	120.0839	0.0521	1458.0000
3903.0	61.3032	120.6129	0.0541	1468.0000
3903.5	61.3445	128.5480	0.0545	1465.0000
3904.0	61.8344	129.2514	0.0590	1463.0000

3981.5	57.8052	65.5964	0.0195	1462.0000
3982.0	56.2459	64.5384	0.0027	1473.0000
3982.5	55.8618	60.3116	-0.0015	1482.0000
3983.0	55.6690	62.9878	-0.0037	1467.0000
3983.5	56.2583	64.5748	0.0029	1471.0000
3984.0	59.7194	89.8847	0.0389	1470.0000
3984.5	60.9225	112.6889	0.0505	1458.0000
3985.0	61.9173	128.0300	0.0597	1456.0000
3985.5	63.4768	135.0341	0.0736	1454.0000
3986.0	61.3093	126.9864	0.0541	1466.0000
3986.5	61.3430	123.2834	0.0544	1478.0000
3987.0	61.6291	121.6709	0.0571	1463.0000
3987.5	60.9728	133.3090	0.0510	1469.0000
3988.0	61.6421	136.4830	0.0572	1460.0000
3988.5	62.0229	134.3670	0.0607	1454.0000
3989.0	61.7250	112.6778	0.0580	1470.0000
3989.5	61.7222	112.6778	0.0579	1475.0000
3990.0	61.0915	99.9817	0.0521	1459.0000
3990.5	59.7746	105.2717	0.0395	1478.0000
3991.0	58.9955	92.0466	0.0317	1475.0000
3991.5	57.8533	88.9632	0.0200	1461.0000
3992.0	56.7792	82.0861	0.0086	1469.0000
3992.5	55.9915	76.7381	-0.0001	1477.0000
3993.0	55.5372	76.1873	-0.0052	1471.0000
3993.5	56.0861	84.1224	0.0010	1475.0000
3994.0	56.6487	88.3439	0.0072	1461.0000
3994.5	56.6624	81.4496	0.0073	1469.0000
3995.0	56.3452	73.5145	0.0038	1474.0000
3995.5	56.4616	76.1530	0.0051	1467.0000
3996.0	57.6563	88.8809	0.0180	1466.0000
3996.5	59.7032	102.4630	0.0388	1495.0000
3997.0	60.4305	104.6541	0.0458	1512.0000
3997.5	60.5803	104.0417	0.0473	1460.0000
3998.0	60.6681	104.7427	0.0481	1482.0000
3998.5	61.1086	115.3228	0.0522	1454.0000
3999.0	62.5712	116.9528	0.0656	1452.0000
3999.5	63.6576	118.0108	0.0752	1474.0000
4000.0	64.5754	120.1268	0.0830	1461.0000
4000.5	64.7786	128.0189	0.0847	1470.0000
4001.0	64.2051	134.8366	0.0799	1470.0000
4001.5	64.1756	133.4240	0.0796	1462.0000
4002.0	63.7186	137.6561	0.0757	1458.0000
4002.5	64.1157	136.0710	0.0791	1478.0000
4003.0	64.0516	127.5199	0.0786	1484.0000
4003.5	64.4190	135.4550	0.0817	1482.0000
4004.0	64.5891	134.3424	0.0831	1469.0000
4004.5	63.8761	135.9333	0.0771	1452.0000
4005.0	63.2802	122.1792	0.0719	1467.0000
4005.5	62.8968	123.2918	0.0685	1482.0000
4006.0	61.8144	127.0763	0.0588	1482.0000
4006.5	60.3145	114.9091	0.0447	1487.0000
4007.0	59.3554	96.2602	0.0353	1468.0000
4007.5	58.0789	86.7000	0.0224	1466.0000
4008.0	57.7279	90.9321	0.0187	1476.0000
4008.5	57.7953	88.4782	0.0194	1473.0000
4009.0	57.0927	85.1695	0.0120	1474.0000
4009.5	56.6151	79.8794	0.0068	1487.0000
4010.0	57.1999	80.4085	0.0131	1487.0000
4010.5	57.9571	85.1695	0.0211	1490.0000
4011.0	58.9937	94.6916	0.0317	1499.0000
4011.5	59.8298	97.9013	0.0400	1474.0000
4012.0	59.5931	102.6624	0.0377	1471.0000
4012.5	59.8408	108.4280	0.0401	1483.0000
4013.0	59.8071	113.7247	0.0398	1481.0000
4013.5	60.5455	109.8126	0.0469	1483.0000
4014.0	61.2464	107.1209	0.0535	1479.0000
4014.5	61.0394	110.8286	0.0516	1473.0000
4015.0	61.0072	109.9795	0.0513	1474.0000
4015.5	60.2546	96.8546	0.0441	1485.0000
4016.0	59.3275	95.7952	0.0351	1488.0000
4016.5	59.6417	109.0203	0.0382	1481.0000
4017.0	59.9791	114.8394	0.0415	1477.0000
4017.5	60.4651	118.6264	0.0462	1466.0000
4018.0	60.8571	117.0393	0.0499	1473.0000
4018.5	61.9737	126.0324	0.0602	1486.0000
4019.0	62.7989	136.4830	0.0677	1477.0000
4019.5	62.2296	131.1929	0.0626	1475.0000
4020.0	61.3423	130.6639	0.0544	1487.0000
4020.5	60.3275	129.0769	0.0448	1497.0000
4021.0	59.7158	118.4619	0.0389	1484.0000
4021.5	59.3477	105.3069	0.0353	1498.0000
4022.0	58.5511	83.3009	0.0272	1487.0000
4022.5	57.4892	75.5668	0.0162	1477.0000
4023.0	56.7208	74.2549	0.0079	1471.0000
4023.5	56.7740	77.7458	0.0085	1474.0000
4024.0	57.6540	92.3919	0.0179	1488.0000
4024.5	58.2186	98.4356	0.0238	1493.0000
4025.0	58.5645	106.3707	0.0274	1463.0000
4025.5	59.3622	105.3127	0.0354	1473.0000
4026.0	59.8725	105.8007	0.0404	1469.0000
4026.5	60.8866	103.1557	0.0502	1481.0000
4027.0	62.2221	107.9167	0.0625	1499.0000
4027.5	63.0166	118.5959	0.0696	1484.0000
4028.0	63.4375	124.8912	0.0733	1487.0000
4028.5	63.9388	137.1218	0.0776	1481.0000
4029.0	63.7191	132.2617	0.0757	1469.0000
4029.5	64.0625	134.3198	0.0787	1487.0000
4030.0	63.2214	122.7162	0.0714	1475.0000
4030.5	62.6895	119.0131	0.0667	1481.0000
4031.0	61.7853	119.5408	0.0585	1470.0000
4031.5	61.3904	112.6465	0.0549	1487.0000
4032.0	61.5624	116.8786	0.0565	1500.0000
4032.5	61.3434	110.0186	0.0544	1494.0000
4033.0	61.9505	112.6703	0.0600	1492.0000
4033.5	62.1629	111.9693	0.0620	1468.0000
4034.0	60.2608	101.5184	0.0442	1474.0000
4034.5	58.7903	82.9159	0.0297	1482.0000
4035.0	57.4492	64.0437	0.0158	1477.0000
4035.5	56.3738	73.5314	0.0041	1490.0000
4036.0	57.5158	93.6336	0.0165	1475.0000
4036.5	57.8824	98.9236	0.0203	1475.0000
4037.0	57.6479	88.1783	0.0179	1486.0000
4037.5	56.6707	87.1203	0.0074	1479.0000
4038.0	56.5520	84.4469	0.0061	1494.0000
4038.5	58.2456	101.0648	0.0241	1492.0000
4039.0	60.1535	102.1229	0.0432	1481.0000
4039.5	63.1429	128.5401	0.0707	1477.0000
4040.0	63.9631	132.7775	0.0778	1476.0000
4040.5	64.3910	135.4714	0.0814	1484.0000
4041.0	64.3998	125.9118	0.0815	1481.0000
4041.5	62.9699	115.8946	0.0692	1493.0000
4042.0	62.7009	121.1357	0.0668	1488.0000
4042.5	62.6790	123.7059	0.0666	1478.0000
4043.0	63.0954	128.9032	0.0703	1485.0000
4043.5	63.6679	127.8452	0.0753	1492.0000
4044.0	63.0195	121.6708	0.0696	1495.0000
4044.5	62.2169	105.8337	0.0625	1508.0000
4045.0	60.2574	87.2876	0.0442	1476.0000
4045.5	59.1254	70.3832	0.0330	1484.0000
4046.0	59.6474	82.5173	0.0382	1486.0000
4046.5	59.9958	98.8960	0.0416	1492.0000
4047.0	61.7400	117.9640	0.0581	1495.0000
4047.5	62.5832	114.6954	0.0657	1482.0000
4048.0	61.3215	113.1104	0.0542	1473.0000
4048.5	59.9268	105.6951	0.0410	1483.0000
4049.0	59.9122	106.3635	0.0408	1471.0000
4049.5	60.6370	104.2502	0.0478	1490.0000
4050.0	62.0262	119.0808	0.0607	1497.0000
4050.5	63.8986	122.7389	0.0773	1498.0000
4051.0	62.8526	129.1338	0.0681	1486.0000
4051.5	61.8510	121.1418	0.0591	1483.0000
4052.0	60.8700	122.7288	0.0500	1496.0000
4052.5	58.6269	117.4388	0.0280	1476.0000
4053.0	58.1784	110.5617	0.0234	1491.0000
4053.5	57.9198	103.2886	0.0207	1492.0000
4054.0	57.9673	101.7479	0.0212	1490.0000
4054.5	58.7729	105.9799	0.0295	1497.0000
4055.0	60.7972	119.5417	0.0493	1486.0000
4055.5	61.8808	132.7834	0.0594	1485.0000
4056.0	63.0856	146.5375	0.0702	1501.0000
4056.5	63.9497	146.4783	0.0777	1477.0000
4057.0	64.7524	146.5413	0.0845	1483.0000
4057.5	64.7065	143.1918	0.0841	1499.0000
4058.0	64.2181	134.8464	0.0800	1491.0000
4058.5	64.6155	126.3087	0.0833	1488.0000
4059.0	64.2183	123.3101	0.0800	1492.0000
4059.5	64.7324	126.9597	0.0843	1494.0000
4060.0	65.0192	133.3157	0.0867	1487.0000
4060.5	63.6931	124.8516	0.0755	1491.0000
4061.0	63.5299	123.8470	0.0741	1491.0000
4061.5	63.2815	121.6708	0.0719	1496.0000
4062.0	64.1609	133.3089	0.0795	1484.0000
4062.5	66.0968	140.0089	0.0955	1471.0000
4063.0	66.6531	146.4224	0.0999	1484.0000
4063.5	66.2774	150.0029	0.0969	1494.0000
4064.0	65.6109	141.2862	0.0916	1497.0000
4064.5	66.2150	134.8727	0.0964	1498.0000
4065.0	66.6245	137.5112	0.0997	1496.0000
4065.5	66.3922	145.4064	0.0978	1499.0000
4066.0	64.7916	144.4046	0.0848	1504.0000
4066.5	61.5414	126.4633	0.0563	1495.0000
4067.0	60.4654	114.2179	0.0462	1497.0000
4067.5	60.9455	115.2197	0.0507	1504.0000
4068.0	62.6242	122.1811	0.0661	1490.0000
4068.5	64.7305	124.8925	0.0843	1500.0000
4069.0	65.6937	126.4795	0.0922	1510.0000
4069.5	66.4164	129.6535	0.0980	1492.0000
4070.0	66.2561	137.5410	0.0967	1499.0000
4070.5	65.6257	123.7868	0.0917	1495.0000
4071.0	65.7201	116.9098	0.0924	1461.0000
4071.5	63.3111	102.6266	0.0722	1484.0000
4072.0	60.3361	96.7726	0.0449	1509.0000
4072.5	58.7342	86.2256	0.0291	1524.0000
4073.0	58.7813	90.2873	0.0296	1524.0000
4073.5	60.6490	105.5554	0.0479	1492.0000
4074.0	62.3926	128.3927	0.0640	1485.0000
4074.5	65.2945	148.1362	0.0890	1484.0000
4075.0	65.6819	150.7746	0.0921	1511.0000
4075.5	66.9473	152.8959	0.1022	1511.0000
4076.0	67.9056	146.5479	0.1096	1518.0000
4076.5	66.1614	148.7785	0.0960	1533.0000
4077.0	62.9458	133.8379	0.0690	1486.0000
4077.5	59.9509	119.5735	0.0412	1506.0000
4078.0	59.8034	109.5224	0.0397	1533.0000
4078.5	61.7518	113.7544	0.0582	1494.0000
4079.0	61.5578	118.4968	0.0564	1501.0000
4079.5	61.2183	107.9167	0.0533	1499.0000
4080.0	60.1322	97.3366	0.0429	1495.0000
4080.5	58.2141	88.3435	0.0238	1501.0000
4081.0	57.8141	87.8145	0.0196	1499.0000
4081.5	56.8851	79.8794	0.0097	1503.0000
4082.0	56.8140	74.5577	0.0090	1518.0000
4082.5	56.9629	78.8288	0.0106	1495.0000
4083.0	58.2945	93.1119	0.0246	1497.0000
4083.5	59.1676	98.5025	0.0335	1507.0000

4212.0	66.1014	129.3958	0.0955	1502.0000
4212.5	67.4931	126.6694	0.1064	1531.0000
4213.0	66.8871	124.7098	0.1017	1551.0000
4213.5	66.0211	124.6626	0.0949	1573.0000
4214.0	66.0797	120.0442	0.0953	1548.0000
4214.5	64.8228	124.6563	0.0851	1518.0000
4215.0	64.3805	131.2997	0.0814	1523.0000
4215.5	63.8411	129.2792	0.0768	1533.0000
4216.0	60.6823	115.1775	0.0482	1565.0000
4216.5	57.6135	92.6324	0.0175	1584.0000
4217.0	55.6072	81.8632	-0.0044	1579.0000
4217.5	56.5628	83.3610	0.0062	1548.0000
4218.0	57.7259	95.7609	0.0187	1533.0000
4218.5	59.2418	106.8101	0.0342	1531.0000
4219.0	60.6140	104.2022	0.0476	1545.0000
4219.5	61.7823	110.0212	0.0585	1554.0000
4220.0	62.2313	110.1135	0.0626	1569.0000
4220.5	62.5435	115.8518	0.0654	1545.0000
4221.0	62.9223	113.7840	0.0688	1517.0000
4221.5	62.3735	122.2481	0.0639	1518.0000
4222.0	63.6424	115.9000	0.0751	1527.0000
4222.5	62.4738	115.2753	0.0648	1543.0000
4223.0	60.9367	104.2091	0.0506	1538.0000
4223.5	60.5762	102.0931	0.0472	1551.0000
4224.0	61.8496	112.8957	0.0591	1568.0000
4224.5	64.6806	136.5379	0.0839	1543.0000
4225.0	67.5771	154.5241	0.1071	1520.0000
4225.5	66.5933	140.5166	0.0994	1510.0000
4226.0	63.1309	115.3266	0.0706	1558.0000
4226.5	59.0620	97.8694	0.0324	1603.0000
4227.0	57.6687	98.4325	0.0181	1516.0000
4227.5	59.7522	96.2727	0.0392	1510.0000
4228.0	60.9564	98.9177	0.0508	1518.0000
4228.5	62.9655	106.8970	0.0691	1520.0000
4229.0	65.6323	116.9098	0.0917	1499.0000
4229.5	66.7640	137.0119	0.1008	1492.0000
4230.0	66.8534	141.2440	0.1015	1518.0000
4230.5	65.4512	144.4180	0.0903	1519.0000
4231.0	65.5953	135.4249	0.0914	1495.0000
4231.5	66.2187	131.6489	0.0964	1504.0000
4232.0	67.9759	131.6489	0.1101	1508.0000
4232.5	68.8351	145.8595	0.1165	1516.0000
4233.0	68.4550	155.5213	0.1137	1488.0000
4233.5	67.7837	164.5144	0.1087	1500.0000
4234.0	66.2395	153.3606	0.0966	1506.0000
4234.5	64.0192	129.0324	0.0783	1507.0000
4235.0	61.8839	109.5009	0.0594	1501.0000
4235.5	60.1998	97.9532	0.0436	1492.0000
4236.0	59.6480	102.1959	0.0382	1525.0000
4236.5	59.4012	107.4443	0.0358	1512.0000
4237.0	62.4775	106.4131	0.0648	1516.0000

4134.5	57.5230	76.1753	0.0165	1501.0000
4135.0	57.5883	78.8138	0.0172	1497.0000
4135.5	57.4656	93.7050	0.0159	1502.0000
4136.0	57.7453	88.9630	0.0189	1519.0000
4136.5	57.1955	91.2041	0.0131	1509.0000
4137.0	56.3835	76.8140	0.0043	1518.0000
4137.5	57.5995	84.2011	0.0174	1513.0000
4138.0	58.8803	92.6046	0.0306	1501.0000
4138.5	59.5701	106.3296	0.0375	1519.0000
4139.0	61.2952	105.2716	0.0540	1517.0000
4139.5	61.5706	110.0327	0.0565	1507.0000
4140.0	61.5105	112.1487	0.0560	1498.0000
4140.5	61.8583	113.4559	0.0592	1495.0000
4141.0	60.2972	92.8764	0.0445	1502.0000
4141.5	57.5867	79.1223	0.0172	1508.0000
4142.0	57.1974	72.9868	0.0131	1492.0000
4142.5	58.7135	82.5327	0.0289	1506.0000
4143.0	60.7682	93.1128	0.0490	1511.0000
4143.5	61.8864	105.7773	0.0594	1504.0000
4144.0	62.0575	114.2142	0.0610	1510.0000
4144.5	61.7136	112.6701	0.0579	1508.0000
4145.0	64.5251	142.8915	0.0826	1545.0000
4145.5	64.2584	141.2422	0.0803	1541.0000
4146.0	64.8110	141.7712	0.0850	1541.0000
4146.5	63.1628	135.4845	0.0709	1544.0000
4147.0	62.5762	123.2578	0.0561	1551.0000
4147.5	61.5220	123.2578	0.0561	1551.0000
4148.0	61.5941	120.5596	0.0568	1541.0000
4148.5	62.5930	117.5583	0.0658	1529.0000
4149.0	63.2737	118.0873	0.0718	1527.0000
4149.5	64.8776	119.1451	0.0855	1557.0000
4150.0	64.8486	121.4135	0.0853	1561.0000
4150.5	64.4781	134.1096	0.0822	1543.0000
4151.0	64.4752	133.9135	0.0822	1535.0000
4151.5	63.9201	135.7600	0.0774	1548.0000
4152.0	64.3566	135.1297	0.0812	1552.0000
4152.5	64.9243	136.1727	0.0859	1541.0000
4153.0	65.3188	148.1534	0.0892	1550.0000
4153.5	64.3206	139.2683	0.0809	1537.0000
4154.0	62.7324	117.4388	0.0671	1500.0000
4154.5	61.6454	111.0907	0.0572	1496.0000
4155.0	62.6481	114.3604	0.0663	1499.0000
4155.5	64.2529	123.3535	0.0803	1526.0000
4156.0	65.6159	122.8245	0.0916	1550.0000
4156.5	66.0337	130.1349	0.0971	1534.0000
4157.0	66.2506	130.7630	0.0967	1538.0000
4157.5	65.5325	130.1312	0.0909	1541.0000
4158.0	63.5277	124.4101	0.0741	1516.0000
4158.5	62.6206	118.4920	0.0661	1500.0000
4159.0	61.8444	110.5767	0.0591	1521.0000
4159.5	61.1799	112.2507	0.0529	1529.0000
4160.0	62.0074	111.7217	0.0606	1532.0000

4160.5	61.8594	120.2688	0.0592	1529.0000
4161.0	63.0249	114.2647	0.0697	1511.0000
4161.5	64.4126	121.1418	0.0816	1520.0000
4162.0	64.7294	122.1998	0.0843	1534.0000
4162.5	62.5965	123.7868	0.0659	1538.0000
4163.0	60.0269	112.6777	0.0419	1538.0000
4163.5	58.1976	95.2205	0.0236	1525.0000
4164.0	57.3424	87.2855	0.0248	1518.0000
4164.5	58.1643	88.8725	0.0233	1529.0000
4165.0	59.5284	108.4457	0.0370	1535.0000
4165.5	58.1892	107.9167	0.0235	1520.0000
4166.0	57.2922	89.9094	0.0141	1544.0000
4166.5	56.3291	68.2493	0.0037	1528.0000
4167.0	55.5294	65.0752	-0.0053	1543.0000
4167.5	55.9682	68.7737	-0.0004	1535.0000
4168.0	56.3665	63.4770	0.0041	1528.0000
4168.5	56.3140	64.0060	0.0035	1544.0000
4169.0	58.3119	78.7556	0.0248	1551.0000
4169.5	60.5835	109.5372	0.0473	1538.0000
4170.0	63.0411	129.1104	0.0698	1546.0000
4170.5	64.5251	142.8915	0.0826	1545.0000
4171.0	64.8110	141.7712	0.0850	1541.0000
4171.5	64.2584	141.2422	0.0803	1541.0000
4172.0	63.1628	135.4845	0.0709	1544.0000
4172.5	61.5220	123.2578	0.0561	1551.0000
4173.0	61.5941	120.5596	0.0568	1541.0000
4173.5	62.5930	117.5583	0.0658	1529.0000
4174.0	63.2737	118.0873	0.0718	1527.0000
4174.5	64.8776	119.1451	0.0855	1557.0000
4175.0	64.8486	121.4135	0.0853	1561.0000
4175.5	64.4781	134.1096	0.0822	1543.0000
4176.0	64.4752	133.9135	0.0822	1535.0000
4176.5	63.9201	135.7600	0.0774	1548.0000
4177.0	64.3566	135.1297	0.0812	1552.0000
4177.5	64.9243	136.1727	0.0859	1541.0000
4178.0	65.8978	142.4924	0.0939	1528.0000
4178.5	66.6739	135.7166	0.1001	1540.0000
4179.0	67.4176	136.0802	0.1058	1541.0000
4179.5	67.5091	129.6219	0.1066	1518.0000
4180.0	66.2484	128.3969	0.0967	1534.0000
4180.5	66.2551	131.8635	0.0967	1552.0000
4181.0	65.3674	133.7850	0.0896	1540.0000
4181.5	64.2732	138.9166	0.0804	1546.0000
4182.0	63.9991	134.4062	0.0781	1527.0000
4182.5	62.5358	126.6952	0.0653	1523.0000
4183.0	61.7681	121.6187	0.0584	1512.0000
4183.5	61.4561	115.4563	0.0555	1524.0000
4184.0	61.1536	113.0848	0.0527	1531.0000
4184.5	61.3595	112.9783	0.0546	1529.0000
4185.0	61.2742	114.4994	0.0538	1537.0000
4185.5	61.2684	115.9408	0.0537	1527.0000
4186.0	61.3189	111.7217	0.0542	1542.0000
4186.5	60.8012	115.9736	0.0494	1528.0000
4187.0	59.7904	114.9050	0.0396	1515.0000
4187.5	58.7590	109.4982	0.0293	1526.0000
4188.0	58.3019	99.5206	0.0247	1520.0000
4188.5	58.0342	96.2193	0.0219	1523.0000
4189.0	57.0282	94.8175	0.0113	1541.0000
4189.5	58.3113	92.3593	0.0248	1540.0000
4190.0	58.5412	93.8970	0.0271	1541.0000
4190.5	59.1475	102.2226	0.0333	1515.0000
4191.0	60.3420	110.6238	0.0450	1502.0000
4191.5	61.6685	113.2104	0.0574	1532.0000
4192.0	62.1754	112.9973	0.0621	1559.0000
4192.5	63.1459	120.1592	0.0707	1571.0000
4193.0	63.7149	122.0295	0.0757	1566.0000
4193.5	63.0740	120.2659	0.0701	1551.0000
4194.0	62.5098	115.4537	0.0651	1513.0000
4194.5	63.1648	118.4039	0.0709	1510.0000
4195.0	63.5796	117.1545	0.0745	1518.0000
4195.5	64.1025	118.5682	0.0790	1540.0000
4196.0	64.3048	119.1966	0.0807	1571.0000
4196.5	63.0454	120.8092	0.0698	1570.0000
4197.0	62.6784	116.5458	0.0666	1535.0000
4197.5	60.2078	111.4706	0.0437	1525.0000
4198.0	57.8907	99.8497	0.0204	1518.0000
4198.5	57.7076	95.2841	0.0185	1520.0000
4199.0	57.3255	89.9724	0.0145	1534.0000
4199.5	59.3655	100.9949	0.0354	1554.0000
4200.0	60.6630	107.8141	0.0480	1550.0000
4200.5	61.3161	111.3562	0.0542	1544.0000
4201.0	62.4689	111.9653	0.0647	1525.0000
4201.5	62.5153	117.0782	0.0651	1523.0000
4202.0	62.7232	119.7675	0.0670	1544.0000
4202.5	63.3307	121.7450	0.0723	1546.0000
4203.0	62.2231	117.0950	0.0625	1558.0000
4203.5	62.1767	114.5185	0.0621	1556.0000
4204.0	61.2697	110.8158	0.0538	1537.0000
4204.5	60.6317	106.8256	0.0477	1516.0000
4205.0	62.8910	112.5651	0.0685	1520.0000
4205.5	63.5385	121.7810	0.0742	1526.0000
4206.0	66.0356	130.1893	0.0950	1549.0000
4206.5	66.8834	137.9608	0.1017	1568.0000
4207.0	66.2505	140.6776	0.0967	1545.0000
4207.5	65.0907	146.8483	0.0873	1523.0000
4208.0	62.2712	133.3174	0.0629	1516.0000
4208.5	58.9058	114.0435	0.0308	1501.0000
4209.0	56.9352	98.0373	0.0103	1518.0000
4209.5	56.5377	94.8838	0.0059	1550.0000
4210.0	59.9238	108.5370	0.0409	1553.0000
4210.5	63.3406	123.5963	0.0724	1533.0000
4211.0	65.9499	136.6882	0.0943	1513.0000
4211.5	66.3893	138.8958	0.0978	1488.0000

4212.0	66.1014	129.3958	0.0955	1502.0000
4212.5	67.4931	126.6694	0.1064	1531.0000
4213.0	66.8871	124.7098	0.1017	1551.0000
4213.5	66.0211	124.6626	0.0949	1573.0000
4214.0	66.0797	120.0442	0.0953	1548.0000
4214.5	64.8228	124.6563	0.0851	1518.0000
4215.0	64.3805	131.2997	0.0814	1523.0000
4215.5	63.8411	129.2792	0.0768	1533.0000
4216.0	60.6823	115.1775	0.0482	1565.0000
4216.5	57.6135	92.6324	0.0175	1584.0000
4217.0	55.6072	81.8632	-0.0044	1579.0000
4217.5	56.5628	83.3610	0.0062	1548.0000
4218.0	57.7259	95.7609	0.0187	1533.0000
4218.5	59.2418	106.8101	0.0342	1531.0000
4219.0	60.6140	104.2022	0.0476	1545.0000
4219.5	61.7823	110.0212	0.0585	1554.0000
4220.0	62.2313	110.1135	0.0626	1569.0000
4220.5	62.5435	115.8518	0.0654	1545.0000
4221.0	62.9223	113.7840	0.0688	1517.0000
4221.5	62.3735	122.2481	0.0639	1518.0000
4222.0	63.6424	115.9000	0.0751	1527.0000
4222.5	62.4738	115.2753	0.0648	1543.0000
4223.0	60.9367	104.2091	0.0506	1538.0000
4223.5	60.5762	102.0931	0.0472	1551.0000
4224.0	61.8496	112.8957	0.0591	1568.0000
4224.5	64.6806	136.5379	0.0839	1543.0000
4225.0	67.5771	154.5241	0.1071	1520.0000
4225.5	66.5933	140.5166	0.0994	1510.0000
4226.0	63.1309	115.3266	0.0706	1558.0000
4226.5	59.0620	97.8694	0.0324	1603.0000
4227.0	57.6687	98.4325	0.0181	1516.0000
4227.5	59.7522	96.2727	0.0392	1510.0000
4228.0	60.9564	98.9177	0.0508	1518.0000
4228.5	62.9655	106.8970	0.0691	1520.0000
4229.0	65.6323	116.9098	0.0917	1499.0000
4229.5	66.7640	137.0119	0.1008	1492.0000
4230.0	66.8534	141.2440	0.1015	1518.0000
4230.5	65.4512	144.4180	0.0903	1519.0000
4231.0	65.5953	135.4249	0.0914	1495.0000
4231.5	66.2187	131.6489	0.0964	1504.0000
4232.0	67.9759	131.6489	0.1101	1508.0000
4232.5	68.8351	145.8595	0.1165	1516.0000
4233.0	68.4550	155.5213	0.1137	1488.0000
4233.5	67.7837	164.5144	0.1087	1500.0000
4234.0	66.2395	153.3606	0.0966	1506.0000
4234.5	64.0192	129.0324	0.0783	1507.0000
4235.0	61.8839	109.5009	0.0594	1501.0000
4235.5	60.1998	97.9532	0.0436	1492.0000
4236.0	59.6480	102.1959	0.0382	1525.0000
4236.5	59.4012	107.4443	0.0358	1512.0000
4237.0	62.4775	106.4131	0.0648	1516.0000

4134.0	57.2994	67.1822	0.0142	1506.0000
4133.5	56.9810	65.0351	0.0108	1512.0000
4133.0	57.3199	65.5924	0.0144	1498.0000
4132.5	57.4553	72.5600	0.0158	1498.0000
4132.0	57.4652	68.8312	0.0159	1496.0000
4131.5	56.8374	70.4479	0.0092	1502.0000
4131.0	56.3768	57.6612	0.0042	1513.0000
4130.5	56.1048	62.9512	0.0012	1527.0000
4130.0	56.0926	67.1833	0.0010	1536.0000
4129.5	57.7240	80.4084	0.0187	1516.0000
4129.0	60.2564	100.5106	0.0441	1513.0000
4128.5	63.4201	119.6156	0.0731	1512.0000
4128.0	66.8404	142.9566	0.1014	1497.0000
4127.5	69.0589	153.1501	0.1182	1504.0000
4127.0	69.9065	155.7343	0.1243	1526.0000
4126.5	69.7985	152.6173	0.1236	1529.0000
4126.0	67.2900	143.3738	0.1049	1518.0000
4125.5	64.9634	130.1486	0.0862	1511.0000
4125.0	64.1478	125.3207	0.0794	1511.0000
4124.5	63.8895	127.4880	0.0772	1501.0000
4124.0	65.0015	132.2490	0.0866	1503.0000
4123.5	65.7400	140.1940	0.0926	1506.0000
4123.0	65.9273	142.8358	0.0941	1509.0000
4122.5	65.7085	146.7149	0.0923	1535.0000
4122.0	65.7322	138.7151	0.0925	1510.0000
4121.5	66.0896	132.9560	0.0954	1502.0000
4121.0	66.3676	132.2509	0.0976	1497.0000
4120.5	66.7617	128.0188	0.1007	1481.0000
4120.0	66.8636	129.6059	0.1015	1504.0000
4119.5	66.7188	124.3158	0.1004	1525.0000
4119.0	66.9202	136.4829	0.1020	1537.0000
4118.5	67.0809	142.8310	0.1032	1516.0000
4118.0	65.9082	141.2440	0.0940	1513.0000
4117.5	65.7439	133.3609	0.0926	1507.0000
4117.0	65.7396	133.9534	0.0926	1519.0000
4116.5	65.7583	153.6000	0.0927	1529.0000
4116.0	67.0223	154.0216	0.1028	1508.0000
4115.5	67.5814	151.8421	0.1071	1512.0000
4115.0	67.6772	141.2487	0.1078	1525.0000
4114.5	68.3875	147.5889	0.1132	1498.0000
4114.0	68.6682	155.1762	0.1153	1504.0000
4113.5	69.0216	154.5870	0.1179	1497.0000
4113.0	67.1783	145.1283	0.1040	1477.0000
4112.5	64.7000	121.6708	0.0840	1494.0000
4112.0	62.9291	108.9747	0.0688	1516.0000
4111.5	62.4243	115.3228	0.0643	1535.0000
4111.0	62.9086	128.0189	0.0686	1545.0000
4110.5	62.3985	131.7219	0.0641	1516.0000
4110.0	61.6932	113.2067	0.0577	1500.0000
4109.5	60.2422	97.8656	0.0440	1503.0000

4365.0	58.7411	85.5869	0.0292	1586.0000
4364.5	59.2932	104.6601	0.0347	1582.0000
4364.0	60.3225	101.4861	0.0448	1573.0000
4363.5	59.9857	107.1444	0.0415	1545.0000
4363.0	59.9413	102.8648	0.0411	1523.0000
4362.5	60.1262	111.3289	0.0429	1557.0000
4362.0	59.9521	119.5635	0.0412	1583.0000
4361.5	58.9830	115.8650	0.0316	1589.0000
4361.0	58.1022	107.4010	0.0226	1579.0000
4360.5	57.1121	94.6486	0.0122	1570.0000
4360.0	57.1606	88.3434	0.0127	1577.0000
4359.5	57.0544	92.0862	0.0116	1574.0000
4359.0	58.5449	96.8010	0.0272	1564.0000
4358.5	60.5657	112.1964	0.0471	1560.0000
4358.0	64.2647	129.4659	0.0804	1575.0000
4357.5	63.5929	135.7521	0.0746	1567.0000
4357.0	62.1030	116.6537	0.0614	1573.0000
4356.5	59.8437	89.3205	0.0401	1552.0000
4356.0	56.0159	74.5951	0.0002	1548.0000
4355.5	56.3027	88.8782	0.0034	1557.0000
4355.0	58.9771	102.0949	0.0315	1557.0000
4354.5	60.5345	118.5154	0.0468	1570.0000
4354.0	61.6312	115.8704	0.0571	1577.0000
4353.5	62.0704	119.0258	0.0611	1576.0000
4353.0	62.2774	116.3807	0.0630	1563.0000
4352.5	62.8714	128.6683	0.0683	1583.0000
4352.0	63.3657	129.1012	0.0727	1577.0000
4351.5	63.8067	129.1012	0.0765	1585.0000
4351.0	64.2078	129.6315	0.0799	1594.0000
4350.5	64.4781	142.2960	0.0822	1585.0000
4350.0	64.8400	147.5860	0.0852	1562.0000
4349.5	65.1493	146.4657	0.0878	1548.0000
4349.0	65.4682	141.2461	0.0904	1538.0000
4348.5	65.8998	140.2463	0.0939	1544.0000
4348.0	66.6612	140.7158	0.1000	1567.0000
4347.5	66.6936	144.4762	0.1002	1565.0000
4347.0	66.2600	145.4760	0.0968	1560.0000
4346.5	66.2729	141.7492	0.0969	1575.0000
4346.0	66.1454	131.1691	0.0959	1553.0000
4345.5	65.9470	129.1670	0.0943	1562.0000
4345.0	68.2172	139.7022	0.1119	1550.0000
4344.5	69.3137	151.8693	0.1200	1545.0000
4344.0	68.4098	151.7555	0.1134	1569.0000
4343.5	67.3896	140.7150	0.1056	1608.0000
4343.0	66.1032	135.4249	0.0955	1603.0000
4342.5	62.6964	121.1418	0.0668	1604.0000
4342.0	59.5716	105.2716	0.0375	1592.0000
4341.5	57.9236	89.9688	0.0208	1557.0000
4341.0	57.5177	90.4583	0.0165	1542.0000
4340.5	59.9107	97.3353	0.0408	1570.0000
4340.0	62.3247	109.0410	0.0634	1575.0000
4339.5	58.7411	85.5869	0.0292	1586.0000
4339.0	62.5010	120.1363	0.0650	1587.0000
4338.5	65.5584	113.2002	0.0911	1549.0000
4338.0	65.6745	117.9553	0.0921	1543.0000
4337.5	65.4905	126.8505	0.0906	1545.0000
4337.0	66.2202	138.4417	0.0965	1581.0000
4336.5	66.1246	140.6171	0.0957	1589.0000
4336.0	66.2771	152.9225	0.0969	1579.0000
4335.5	65.3252	151.8645	0.0892	1563.0000
4335.0	63.7792	135.9944	0.0762	1583.0000
4334.5	61.8857	118.3284	0.0594	1584.0000
4334.0	60.6386	104.0030	0.0478	1578.0000
4333.5	61.3892	112.4671	0.0549	1586.0000
4333.0	63.3686	123.8041	0.0727	1577.0000
4332.5	64.8140	132.7860	0.0850	1566.0000
4332.0	66.0823	131.7280	0.0954	1566.0000
4331.5	67.5497	138.5455	0.1069	1567.0000
4331.0	67.9693	146.0051	0.1101	1567.0000
4330.5	68.2283	154.4691	0.1120	1551.0000
4330.0	66.6788	142.8310	0.1001	1550.0000
4329.5	64.2609	136.5378	0.0803	1562.0000
4329.0	63.4727	131.8330	0.0736	1564.0000
4328.5	63.9360	136.5347	0.0776	1573.0000
4328.0	65.5975	140.1828	0.0914	1584.0000
4327.5	66.5487	147.0685	0.0991	1578.0000
4327.0	66.9113	139.6717	0.1019	1558.0000
4326.5	67.4123	137.5556	0.1058	1574.0000
4326.0	67.8590	142.3226	0.1092	1583.0000
4325.5	68.1531	150.7762	0.1115	1573.0000
4325.0	68.5203	146.5441	0.1142	1581.0000
4324.5	67.4558	132.2431	0.1061	1563.0000
4324.0	64.1246	114.8467	0.0792	1548.0000
4323.5	62.2452	106.7381	0.0627	1540.0000
4323.0	61.9774	102.3583	0.0603	1551.0000
4322.5	62.3185	113.4674	0.0634	1566.0000
4322.0	65.6202	130.1645	0.0916	1559.0000
4321.5	66.2755	133.3306	0.0969	1541.0000
4321.0	65.8741	132.2726	0.0937	1546.0000
4320.5	64.8072	130.0916	0.0849	1564.0000
4320.0	64.8643	138.5965	0.0854	1568.0000
4319.5	64.7915	141.2964	0.0848	1559.0000
4319.0	65.3821	134.8888	0.0897	1563.0000
4318.5	65.4608	125.4287	0.0903	1559.0000
4318.0	64.6293	119.5548	0.0835	1556.0000
4317.5	65.2091	123.2578	0.0883	1552.0000
4317.0	64.7499	126.4319	0.0845	1560.0000
4316.5	65.7159	135.1222	0.0924	1573.0000
4316.0	66.5324	128.1597	0.0989	1553.0000
4315.5	64.9631	126.0437	0.0862	1562.0000
4315.0	62.0027	113.7444	0.0605	1570.0000
4314.5	59.7258	110.6557	0.0390	1536.0000
4314.0	59.7153	103.7787	0.0389	1536.0000
4313.5	59.4699	106.3297	0.0365	1542.0000
4313.0	60.1372	110.5617	0.0430	1542.0000
4312.5	61.3773	111.6197	0.0548	1545.0000
4312.0	60.4461	112.6777	0.0460	1553.0000
4311.5	60.4299	107.9167	0.0458	1540.0000
4311.0	60.3798	105.8841	0.0453	1543.0000
4310.5	61.8693	111.5938	0.0593	1549.0000
4310.0	63.2075	123.2319	0.0713	1557.0000
4309.5	63.4065	129.0655	0.0730	1546.0000
4309.0	63.0934	115.3456	0.0703	1566.0000
4308.5	62.0865	100.0045	0.0613	1557.0000
4308.0	59.8593	90.4214	0.0403	1545.0000
4307.5	61.9972	93.1007	0.0605	1556.0000
4307.0	61.3753	97.3327	0.0547	1548.0000
4306.5	58.7070	94.6844	0.0288	1571.0000
4306.0	58.5560	91.8375	0.0273	1578.0000
4305.5	57.3744	93.9998	0.0150	1559.0000
4305.0	60.1778	111.3679	0.0434	1558.0000
4304.5	63.2279	129.5968	0.0714	1532.0000
4304.0	64.8247	143.4317	0.0851	1535.0000
4303.5	64.9759	129.6947	0.0863	1545.0000
4303.0	63.0150	112.2376	0.0696	1546.0000
4302.5	62.1177	104.7586	0.0616	1550.0000
4302.0	62.2865	119.0239	0.0631	1550.0000
4301.5	63.4685	129.6040	0.0735	1554.0000
4301.0	64.1610	129.5498	0.0795	1538.0000
4300.5	63.4407	121.1418	0.0733	1556.0000
4300.0	61.3715	115.8517	0.0547	1554.0000
4299.5	60.9595	119.0258	0.0508	1556.0000
4299.0	62.4872	129.6059	0.0649	1552.0000
4298.5	64.9097	146.6002	0.0858	1562.0000
4298.0	67.2940	147.5988	0.1049	1556.0000
4297.5	69.0405	153.9469	0.1181	1557.0000
4297.0	69.0732	142.8762	0.1183	1563.0000
4296.5	68.9731	135.4294	0.1176	1561.0000
4296.0	68.4123	124.9029	0.1134	1570.0000
4295.5	68.2822	132.7955	0.1124	1551.0000
4295.0	68.5252	150.8092	0.1142	1556.0000
4294.5	67.9769	156.5747	0.1101	1550.0000
4294.0	67.9700	143.9477	0.1101	1551.0000
4293.5	67.5017	126.5631	0.1065	1549.0000
4293.0	66.2418	124.5053	0.0966	1549.0000
4292.5	65.4108	131.7801	0.0899	1550.0000
4292.0	63.1692	131.2511	0.0709	1556.0000
4291.5	62.4764	126.0061	0.0648	1534.0000
4291.0	61.2287	119.5632	0.0534	1543.0000
4290.5	60.9423	117.4472	0.0507	1543.0000
4290.0	63.0862	122.6921	0.0702	1556.0000
4289.5	62.8522	128.0230	0.0681	1558.0000
4289.0	63.6255	132.2550	0.0749	1560.0000
4288.5	64.6738	126.4287	0.0838	1559.0000
4288.0	64.4280	132.2405	0.0818	1563.0000
4287.5	65.5654	136.4725	0.0912	1566.0000
4287.0	64.6903	131.1316	0.0840	1570.0000
4286.5	63.5230	122.1998	0.0740	1553.0000
4286.0	63.4203	115.8518	0.0731	1541.0000
4285.5	62.7327	131.7219	0.0671	1534.0000
4285.0	63.8254	134.9501	0.0766	1538.0000
4284.5	63.5105	142.9454	0.0739	1556.0000
4284.0	62.5341	133.8996	0.0653	1548.0000
4283.5	62.1213	127.4973	0.0616	1546.0000
4283.0	60.1038	115.1380	0.0427	1548.0000
4282.5	58.8894	97.1743	0.0307	1551.0000
4282.0	57.2961	82.8911	0.0141	1538.0000
4281.5	55.9625	69.7980	-0.0004	1570.0000
4281.0	56.5887	70.3884	0.0065	1540.0000
4280.5	57.6243	87.8456	0.0176	1548.0000
4280.0	59.7503	103.1867	0.0392	1551.0000
4279.5	61.6324	118.4968	0.0571	1559.0000
4279.0	63.1867	122.7844	0.0711	1556.0000
4278.5	63.3024	121.6802	0.0721	1553.0000
4278.0	63.8302	124.8542	0.0767	1545.0000
4277.5	65.0184	130.7435	0.0867	1531.0000
4277.0	65.8623	141.7789	0.0936	1542.0000
4276.5	68.1652	150.7720	0.1115	1541.0000
4276.0	69.9067	147.0013	0.1243	1556.0000
4275.5	71.6798	151.2880	0.1367	1567.0000
4275.0	71.9800	146.5864	0.1388	1548.0000
4274.5	69.8558	140.1802	0.1240	1552.0000
4274.0	65.3398	124.5824	0.0893	1536.0000
4273.5	61.8155	104.4896	0.0588	1532.0000
4273.0	61.1917	95.4187	0.0530	1531.0000
4272.5	62.3676	99.9727	0.0638	1532.0000
4272.0	65.4636	111.6399	0.0904	1542.0000
4271.5	67.2065	127.5291	0.1042	1540.0000
4271.0	66.2651	131.7612	0.0968	1537.0000
4270.5	65.9774	138.5403	0.0945	1553.0000
4270.0	65.1061	137.5410	0.0874	1548.0000
4269.5	65.2426	141.7730	0.0885	1536.0000
4269.0	64.0062	133.3089	0.0782	1529.0000
4268.5	61.0297	112.1487	0.0515	1531.0000
4268.0	58.2084	85.6984	0.0237	1537.0000
4267.5	56.5617	72.4733	0.0062	1544.0000
4267.0	57.0083	82.5244	0.0111	1554.0000
4266.5	57.9372	92.6589	0.0209	1538.0000
4266.0	59.3157	104.2075	0.0349	1529.0000
4265.5	60.8520	121.1356	0.0498	1541.0000
4265.0	62.0766	141.2881	0.0612	1525.0000
4264.5	62.9320	154.4803	0.0688	1536.0000
4264.0	63.7218	147.6032	0.0757	1563.0000
4263.5	63.5109	137.4726	0.0739	1550.0000
4263.0	65.0815	139.1822	0.0872	1474.0000
4262.5	64.3054	138.1242	0.0807	1467.0000
4262.0	63.2618	110.0327	0.0717	1516.0000
4261.5	62.5720	124.3158	0.0656	1566.0000
4261.0	60.7341	112.1487	0.0487	1506.0000
4260.5	61.5225	117.9677	0.0561	1493.0000
4260.0	63.2936	119.5547	0.0720	1549.0000
4259.5	64.8395	135.5321	0.0852	1557.0000
4259.0	65.7727	144.4619	0.0929	1499.0000
4258.5	66.1307	139.1718	0.0957	1508.0000
4258.0	64.9354	129.0605	0.0860	1562.0000
4257.5	63.6801	113.2101	0.0754	1552.0000
4257.0	63.0902	115.3261	0.0702	1458.0000
4256.5	62.0275	118.5041	0.0607	1510.0000
4256.0	61.9871	119.5608	0.0604	1516.0000
4255.5	62.6119	116.9158	0.0660	1500.0000
4255.0	62.7599	113.6908	0.0673	1546.0000
4254.5	64.0181	125.9028	0.0783	1518.0000
4254.0	64.6031	125.3738	0.0832	1519.0000
4253.5	62.5760	117.4387	0.0657	1498.0000
4253.0	60.4995	96.6164	0.0465	1481.0000
4252.5	57.9503	88.1523	0.0210	1509.0000
4252.0	57.8807	95.0294	0.0203	1540.0000
4251.5	58.9961	98.3946	0.0317	1496.0000
4251.0	60.0164	109.0793	0.0418	1469.0000
4250.5	60.8298	107.9330	0.0496	1540.0000
4250.0	60.6126	112.1650	0.0476	1531.0000
4249.5	60.8840	103.1495	0.0501	1498.0000
4249.0	60.3826	105.3069	0.0454	1479.0000
4248.5	59.2760	102.1329	0.0345	1517.0000
4248.0	57.8578	100.9928	0.0201	1541.0000
4247.5	57.8084	102.6266	0.0196	1503.0000
4247.0	59.0582	99.4526	0.0324	1487.0000
4246.5	60.6482	105.7721	0.0479	1531.0000
4246.0	62.5189	108.9991	0.0652	1533.0000
4245.5	63.8963	132.2753	0.0772	1506.0000
4245.0	65.7819	142.8839	0.0929	1509.0000
4244.5	67.4377	147.5920	0.1060	1497.0000
4244.0	68.8428	152.9739	0.1166	1554.0000
4243.5	67.9456	149.9090	0.1099	1504.0000
4243.0	67.2320	136.1549	0.1044	1492.0000
4242.5	65.5580	113.4019	0.0911	1526.0000
4242.0	63.8590	103.1534	0.0769	1542.0000
4241.5	64.6970	111.6175	0.0840	1513.0000
4241.0	63.9154	119.5194	0.0774	1482.0000
4240.5	63.5947	120.0918	0.0746	1524.0000
4240.0	65.4851	125.4407	0.0905	1512.0000
4239.5	66.2963	129.0909	0.0971	1491.0000
4239.0	67.4117	137.5998	0.1058	1504.0000
4238.5	67.9290	127.4899	0.1098	1536.0000
4238.0	64.9231	115.8517	0.0859	1520.0000
4237.5	63.2618	110.0327	0.0717	1516.0000

4365.5	57.8335	84.4007	0.0198	1574.0000
4366.0	56.5265	68.5305	0.0058	1545.0000
4366.5	56.5165	70.1466	0.0057	1518.0000
4367.0	56.7309	72.4733	0.0081	1521.0000
4367.5	59.1126	96.7581	0.0329	1549.0000
4368.0	64.0028	114.2681	0.0781	1601.0000
4368.5	67.3427	136.4863	0.1053	1628.0000
4369.0	68.6185	134.9013	0.1149	1619.0000
4369.5	68.1665	140.1980	0.1116	1585.0000
4370.0	66.0925	126.4438	0.0954	1575.0000
4370.5	65.0242	134.4264	0.0867	1543.0000
4371.0	65.2489	131.7781	0.0886	1568.0000
4371.5	65.9996	137.5971	0.0947	1584.0000
4372.0	66.5966	132.3071	0.0994	1593.0000
4372.5	65.8080	129.0768	0.0931	1596.0000
4373.0	65.9674	129.0188	0.0944	1573.0000
4373.5	65.2360	132.7774	0.0885	1525.0000
4374.0	65.8409	130.1323	0.0934	1533.0000
4374.5	67.0493	128.5473	0.1030	1535.0000
4375.0	67.1292	126.9583	0.1036	1571.0000
4375.5	66.8801	135.9514	0.1017	1601.0000
4376.0	66.1250	138.5339	0.0957	1601.0000
4376.5	63.7000	127.0017	0.0755	1607.0000
4377.0	59.7265	101.0805	0.0390	1576.0000
4377.5	56.8887	79.5098	0.0098	1532.0000
4378.0	55.4770	74.0603	-0.0059	1540.0000
4378.5	57.0952	86.2274	0.0120	1594.0000
4379.0	61.3957	102.0976	0.0549	1610.0000
4379.5	65.2199	129.6058	0.0884	1601.0000
4380.0	67.8110	140.6582	0.1089	1589.0000
4380.5	67.9746	142.8291	0.1101	1536.0000
4381.0	66.5455	139.1882	0.0990	1508.0000
4381.5	65.5313	132.2717	0.0909	1529.0000
4382.0	65.2969	134.9784	0.0890	1559.0000
4382.5	65.8504	125.9231	0.0935	1575.0000
4383.0	66.3653	124.4323	0.0976	1573.0000
4383.5	67.4197	134.8959	0.1059	1574.0000
4384.0	67.7125	149.1790	0.1081	1581.0000
4384.5	66.7572	158.7011	0.1007	1558.0000
4385.0	66.2128	150.9663	0.0964	1540.0000
4385.5	64.1864	128.7072	0.0797	1583.0000
4386.0	61.6345	107.0802	0.0571	1601.0000
4386.5	58.7018	81.4877	0.0288	1586.0000
4387.0	56.1903	62.9779	0.0021	1599.0000
4387.5	55.8070	66.1598	-0.0022	1556.0000
4388.0	59.3039	87.3200	0.0348	1557.0000
4388.5	62.3842	107.9868	0.0640	1540.0000
4389.0	65.5555	131.7218	0.0911	1557.0000
4389.5	66.4967	128.0188	0.0987	1557.0000
4390.0	66.5294	145.4760	0.0989	1574.0000
4390.5	65.4707	129.0768	0.0904	1548.0000
4391.0	64.7247	122.1997	0.0842	1528.0000
4391.5	64.1118	113.2067	0.0791	1532.0000
4392.0	63.8034	119.5547	0.0764	1533.0000
4392.5	65.9930	132.1921	0.0946	1551.0000
4393.0	67.5182	133.8917	0.1066	1562.0000
4393.5	68.5361	132.3047	0.1143	1578.0000
4394.0	69.2139	139.6338	0.1193	1586.0000
4394.5	68.2290	144.4067	0.1120	1601.0000
4395.0	67.5530	162.3929	0.1069	1585.0000
4395.5	66.8632	157.7675	0.1015	1598.0000
4396.0	64.7891	144.2106	0.0848	1589.0000
4396.5	63.2180	126.1743	0.0714	1559.0000
4397.0	63.4016	121.4695	0.0730	1582.0000
4397.5	63.8207	130.1409	0.0766	1569.0000
4398.0	65.5230	143.3495	0.0908	1557.0000
4398.5	66.6701	140.1715	0.1000	1563.0000
4399.0	66.8065	129.0624	0.1011	1546.0000
4399.5	67.6586	128.9960	0.1077	1542.0000
4400.0	67.6935	132.2303	0.1080	1577.0000
4400.5	66.6782	139.1074	0.1001	1558.0000
4401.0	65.0161	128.1313	0.0867	1570.0000
4401.5	63.9918	133.3089	0.0781	1577.0000
4402.0	62.5614	146.0050	0.0656	1541.0000
4402.5	64.2634	139.1279	0.0804	1542.0000
4403.0	65.1734	135.4830	0.0880	1610.0000
4403.5	65.9097	144.4761	0.0940	1607.0000
4404.0	68.2682	155.7114	0.1123	1590.0000
4404.5	68.7434	158.2982	0.1159	1607.0000
4405.0	69.1825	144.4834	0.1191	1568.0000
4405.5	69.1225	149.7121	0.1187	1525.0000
4406.0	69.0084	151.8281	0.1178	1543.0000
4406.5	68.3849	150.2431	0.1132	1569.0000
4407.0	67.9242	139.1711	0.1097	1566.0000
4407.5	68.3004	129.1201	0.1126	1581.0000
4408.0	68.8148	129.1788	0.1164	1553.0000
4408.5	67.3727	138.0699	0.1055	1541.0000
4409.0	68.3052	141.7729	0.1126	1541.0000
4409.5	68.9432	134.8959	0.1173	1560.0000
4410.0	69.3278	133.8378	0.1202	1611.0000
4410.5	71.3961	130.6638	0.1348	1585.0000
4411.0	70.9466	142.8309	0.1317	1585.0000
4411.5	69.9498	140.7149	0.1246	1573.0000
4412.0	67.2598	140.1345	0.1046	1590.0000
4412.5	67.0188	122.7647	0.1028	1587.0000
4413.0	67.2304	122.1783	0.1044	1611.0000
4413.5	68.3338	134.8586	0.1128	1595.0000
4414.0	70.7182	154.4808	0.1301	1606.0000
4414.5	70.6831	161.9442	0.1298	1617.0000
4415.0	70.5749	157.1891	0.1291	1587.0000
4415.5	70.7226	156.0615	0.1301	1540.0000
4416.0	70.9568	149.7135	0.1317	1574.0000

4493.5	66.9373	134.8959	0.1021	1587.0000
4494.0	64.1931	119.5547	0.0798	1578.0000
4494.5	64.4902	116.3807	0.0823	1581.0000
4495.0	65.0997	115.9013	0.0874	1568.0000
4495.5	65.7214	135.9395	0.0924	1566.0000
4496.0	68.2227	138.6440	0.1120	1579.0000
4496.5	67.3986	145.4715	0.1057	1577.0000
4497.0	66.5775	138.0201	0.0993	1600.0000
4497.5	67.2214	133.8371	0.1043	1585.0000
4498.0	68.0222	137.5401	0.1105	1592.0000
4498.5	68.1273	147.5662	0.1113	1634.0000
4499.0	69.2992	151.8088	0.1199	1617.0000
4499.5	69.9581	142.8158	0.1247	1607.0000
4500.0	69.0173	135.5441	0.1179	1601.0000
4500.5	69.6307	138.0699	0.1223	1587.0000
4501.0	69.5876	150.7660	0.1220	1606.0000
4501.5	69.9622	150.2370	0.1247	1609.0000
4502.0	70.6397	142.3020	0.1295	1589.0000
4502.5	70.4050	133.3089	0.1279	1591.0000
4503.0	69.9535	138.0699	0.1247	1573.0000
4503.5	69.2803	143.3600	0.1198	1581.0000
4504.0	69.5831	145.9456	0.1220	1582.0000
4504.5	69.8254	155.6187	0.1238	1600.0000
4505.0	69.8999	157.7347	0.1243	1607.0000
4505.5	70.6369	165.5908	0.1295	1603.0000
4506.0	70.5304	153.9235	0.1288	1619.0000
4506.5	70.7285	152.3365	0.1301	1587.0000
4507.0	70.2996	143.4818	0.1271	1593.0000
4507.5	68.8673	134.3669	0.1168	1616.0000
4508.0	66.4200	121.6708	0.0980	1600.0000
4508.5	66.0783	121.1418	0.0953	1628.0000
4509.0	65.8048	134.3669	0.0931	1611.0000
4509.5	65.7883	150.7660	0.0930	1590.0000
4510.0	67.6509	146.5340	0.1076	1602.0000
4510.5	68.0052	143.8890	0.1103	1568.0000
4511.0	68.0483	140.6543	0.1107	1571.0000
4511.5	67.1047	131.1725	0.1034	1575.0000
4512.0	64.2844	118.4764	0.0805	1621.0000
4512.5	64.4507	101.5299	0.0819	1608.0000
4513.0	63.9158	113.2375	0.0774	1604.0000
4513.5	64.2126	118.5276	0.0799	1589.0000
4514.0	66.2999	135.4741	0.0971	1585.0000
4514.5	65.2437	133.8831	0.0885	1587.0000
4515.0	63.4034	128.5931	0.0730	1569.0000
4515.5	61.8076	114.8810	0.0587	1589.0000
4516.0	61.9303	121.1231	0.0598	1619.0000
4516.5	62.0736	122.7101	0.0612	1599.0000
4517.0	61.5321	114.2978	0.0562	1599.0000
4517.5	60.2338	95.2536	0.0439	1598.0000
4518.0	57.7195	88.2962	0.0186	1579.0000

4724.0	62.8523	134.4465	0.0681	1661.0000
4724.5	61.6769	132.2916	0.0575	1639.0000
4725.0	62.0395	122.2817	0.0608	1651.0000
4725.5	62.5611	118.5211	0.0655	1668.0000
4726.0	63.1847	138.1773	0.0711	1659.0000
4726.5	63.7785	144.4181	0.0762	1631.0000
4727.0	64.0666	140.7151	0.0787	1652.0000
4727.5	63.3809	128.5480	0.0728	1649.0000
4728.0	62.1169	115.6445	0.0615	1630.0000
4728.5	62.0319	117.1314	0.0608	1621.0000
4729.0	62.5126	110.7548	0.0651	1617.0000
4729.5	62.5343	116.2521	0.0653	1619.0000
4730.0	62.9794	116.3021	0.0693	1635.0000
4730.5	63.6160	119.0220	0.0748	1630.0000
4731.0	64.1025	119.0220	0.0790	1628.0000
4731.5	64.4427	126.9059	0.0819	1621.0000
4732.0	64.7649	140.6773	0.0846	1617.0000
4732.5	65.2835	142.2643	0.0889	1646.0000
4733.0	64.2531	132.8435	0.0803	1678.0000
4733.5	63.2561	122.7289	0.0717	1660.0000
4734.0	63.5883	128.5480	0.0746	1669.0000
4734.5	62.6972	137.5410	0.0668	1643.0000
4735.0	62.0376	141.9127	0.0608	1612.0000
4735.5	62.2845	133.9556	0.0631	1626.0000
4736.0	62.4275	130.3074	0.0643	1644.0000
4736.5	62.4191	130.6968	0.0643	1630.0000
4737.0	62.4432	129.0330	0.0645	1655.0000
4737.5	62.1752	127.4971	0.0621	1632.0000
4738.0	61.9730	132.7871	0.0602	1629.0000
4738.5	62.0697	134.3702	0.0611	1630.0000
4739.0	63.1822	136.4915	0.0710	1615.0000
4739.5	64.6619	141.2526	0.0837	1614.0000
4740.0	65.4688	139.7189	0.0904	1665.0000
4740.5	66.4190	138.6038	0.0980	1653.0000
4741.0	66.6789	122.2047	0.1001	1652.0000
4741.5	67.1756	142.3564	0.1040	1661.0000
4742.0	68.3117	145.4762	0.1126	1643.0000
4742.5	69.1516	168.3007	0.1189	1660.0000
4743.0	70.1806	172.4530	0.1263	1655.0000
4743.5	70.0878	176.7485	0.1256	1655.0000
4744.0	70.2761	169.1971	0.1270	1634.0000
4744.5	70.2392	157.1746	0.1267	1644.0000
4745.0	69.6025	165.0462	0.1221	1639.0000
4745.5	69.6751	160.7569	0.1227	1641.0000
4746.0	69.6172	154.4580	0.1223	1626.0000
4746.5	69.6775	145.9939	0.1227	1640.0000
4747.0	69.9203	152.3261	0.1244	1649.0000
4747.5	69.7878	153.9171	0.1235	1642.0000
4748.0	69.8250	153.9171	0.1237	1668.0000
4748.5	69.7477	152.4025	0.1232	1635.0000
4749.0	69.7466	153.9325	0.1232	1630.0000

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4852.0	63.5384	128.6056	0.0742	1655.0000
4852.5	62.5240	127.5489	0.0652	1643.0000
4853.0	60.9532	106.3623	0.0508	1645.0000
4853.5	58.5825	99.4363	0.0276	1642.0000
4854.0	57.7751	87.3193	0.0192	1667.0000
4854.5	57.6572	91.5176	0.0180	1676.0000
4855.0	59.4092	96.8077	0.0359	1651.0000
4855.5	60.7218	104.2137	0.0486	1651.0000
4856.0	61.5577	105.2718	0.0564	1673.0000
4856.5	60.8970	99.9415	0.0503	1652.0000
4857.0	62.1526	104.7528	0.0619	1652.0000
4857.5	64.5785	126.9710	0.0830	1639.0000
4858.0	64.2477	143.8780	0.0802	1651.0000
4858.5	64.5728	140.2161	0.0830	1659.0000
4859.0	64.7196	124.3459	0.0842	1653.0000
4859.5	63.4274	121.6463	0.0732	1655.0000
4860.0	62.9868	128.0103	0.0693	1655.0000
4860.5	64.0021	129.5973	0.0781	1652.0000
4861.0	62.2819	131.3002	0.0630	1635.0000
4861.5	61.0724	131.1930	0.0519	1652.0000
4862.0	61.7939	125.3739	0.0586	1651.0000
4862.5	61.6437	121.6709	0.0572	1664.0000
4863.0	62.5673	121.6709	0.0656	1668.0000
4863.5	63.3199	130.6640	0.0723	1653.0000
4864.0	63.3966	121.6709	0.0729	1639.0000
4864.5	63.3808	118.4969	0.0728	1652.0000
4865.0	63.7845	122.1412	0.0763	1653.0000
4865.5	63.1731	128.0118	0.0710	1651.0000
4866.0	62.9227	125.1828	0.0688	1660.0000
4866.5	61.7949	108.8041	0.0586	1650.0000
4867.0	60.8178	106.6854	0.0495	1660.0000
4867.5	61.1083	108.4564	0.0522	1651.0000
4868.0	61.1763	130.1186	0.0529	1649.0000
4868.5	62.1168	126.4109	0.0615	1642.0000
4869.0	62.5599	121.6499	0.0655	1655.0000
4869.5	63.1609	105.2712	0.0709	1652.0000
4870.0	62.6859	112.1569	0.0667	1660.0000
4870.5	61.9713	110.6102	0.0602	1659.0000
4871.0	61.4653	109.0251	0.0556	1660.0000
4871.5	59.9709	102.8629	0.0414	1643.0000
4872.0	58.7953	102.8225	0.0297	1658.0000
4872.5	59.0135	97.5754	0.0319	1658.0000
4873.0	58.2653	88.8726	0.0243	1675.0000
4873.5	58.4969	101.0397	0.0267	1697.0000
4874.0	58.9134	104.7837	0.0309	1675.0000
4874.5	58.4088	106.8997	0.0258	1657.0000
4875.0	58.8053	85.1822	0.0298	1639.0000
4875.5	58.9055	84.6525	0.0308	1652.0000
4876.0	59.6772	91.0006	0.0385	1667.0000
4876.5	61.1063	116.8895	0.0522	1678.0000
4877.0	60.9318	126.4235	0.0506	1681.0000

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4877.5	61.8095	126.9525	0.0587	1659.0000
4878.0	62.4311	134.8001	0.0644	1648.0000
4878.5	63.4280	135.8595	0.0732	1620.0000
4879.0	64.1298	130.5694	0.0792	1630.0000
4879.5	63.4249	124.7720	0.0732	1630.0000
4880.0	63.9833	145.5085	0.0780	1651.0000
4880.5	63.9248	174.6038	0.0775	1675.0000
4881.0	64.9189	184.1772	0.0859	1668.0000
4881.5	66.6841	160.7923	0.1001	1651.0000
4882.0	66.7892	152.8572	0.1010	1665.0000
4882.5	67.9890	138.6493	0.1102	1657.0000
4883.0	67.6069	141.2441	0.1073	1650.0000
4883.5	65.7720	148.1211	0.0929	1658.0000
4884.0	65.2448	150.2371	0.0886	1669.0000
4884.5	64.1880	151.2952	0.0797	1686.0000
4885.0	63.6672	120.6129	0.0753	1682.0000
4885.5	64.3522	108.6845	0.0811	1645.0000
4886.0	64.8316	103.9234	0.0851	1644.0000
4886.5	68.5582	102.8654	0.1145	1653.0000
4887.0	70.4569	90.9886	0.1282	1652.0000
4887.5	76.0589	79.8795	0.1648	1683.0000
4888.0	77.4687	75.6474	0.1732	1684.0000
4888.5	76.9163	77.2345	0.1700	1685.0000
4889.0	77.2263	71.9444	0.1718	1670.0000
4889.5	76.7304	77.1988	0.1689	1656.0000
4890.0	76.3214	79.8796	0.1664	1634.0000
4890.5	76.8293	84.1116	0.1694	1666.0000
4891.0	75.9404	77.7715	0.1641	1670.0000
4891.5	75.8741	71.9451	0.1637	1681.0000
4892.0	75.6229	70.8871	0.1622	1692.0000
4892.5	75.5740	76.5655	0.1619	1662.0000
4893.0	75.8700	78.1850	0.1637	1675.0000
4893.5	75.8231	90.3521	0.1634	1668.0000
4894.0	75.8313	106.2813	0.1634	1657.0000
4894.5	74.3957	152.4199	0.1545	1670.0000
4895.0	74.0540	177.2832	0.1524	1677.0000
4895.5	72.8783	197.4947	0.1447	1669.0000
4896.0	71.6137	176.1584	0.1363	1667.0000
4896.5	70.8999	152.3532	0.1313	1669.0000
4897.0	69.4411	123.3015	0.1210	1658.0000
4897.5	68.8104	112.1449	0.1164	1645.0000
4898.0	66.9574	107.3839	0.1023	1649.0000
4898.5	65.8633	111.0916	0.0936	1645.0000
4899.0	64.5199	113.6479	0.0825	1667.0000
4899.5	63.1447	115.1900	0.0707	1671.0000
4900.0	62.3226	114.6604	0.0634	1666.0000
4900.5	62.1129	116.9126	0.0615	1675.0000
4901.0	61.2565	108.9874	0.0536	1661.0000
4901.5	60.4067	100.5499	0.0456	1652.0000
4902.0	60.2401	88.9118	0.0440	1661.0000
4902.5	59.8496	95.2948	0.0402	1660.0000
4903.0	60.0171	99.9817	0.0418	1666.0000
4903.5	60.5963	103.6847	0.0474	1668.0000
4904.0	61.5924	107.9167	0.0567	1659.0000
4904.5	62.5113	112.1488	0.0651	1671.0000
4905.0	63.3278	115.8037	0.0723	1658.0000
4905.5	63.7617	121.1486	0.0761	1650.0000
4906.0	63.4317	127.0010	0.0732	1665.0000
4906.5	63.3864	130.6994	0.0728	1669.0000
4907.0	62.6966	132.8180	0.0668	1673.0000
4907.5	62.3186	124.3206	0.0634	1670.0000
4908.0	61.6584	117.4081	0.0574	1677.0000
4908.5	60.5675	107.3895	0.0471	1684.0000
4909.0	60.7287	98.9254	0.0487	1667.0000
4909.5	61.1405	99.5427	0.0525	1658.0000
4910.0	61.6776	105.3240	0.0575	1650.0000
4910.5	62.5289	110.0448	0.0653	1646.0000
4911.0	62.6719	120.1534	0.0665	1649.0000
4911.5	63.7602	128.0362	0.0761	1674.0000
4912.0	63.9006	130.0610	0.0773	1694.0000
4912.5	64.1989	126.8295	0.0798	1680.0000
4913.0	64.3942	117.8364	0.0815	1682.0000
4913.5	63.5893	128.0189	0.0746	1684.0000
4914.0	63.0920	128.6022	0.0703	1692.0000
4914.5	63.2018	122.7831	0.0712	1670.0000
4915.0	63.0941	125.8386	0.0703	1684.0000
4915.5	63.9278	130.6659	0.0775	1671.0000
4916.0	64.2096	146.0070	0.0799	1661.0000
4916.5	64.7205	138.7195	0.0842	1669.0000
4917.0	65.3009	135.4250	0.0890	1669.0000
4917.5	65.5634	130.6640	0.0912	1665.0000
4918.0	65.1035	130.6640	0.0874	1686.0000
4918.5	64.1100	126.4319	0.0791	1681.0000
4919.0	64.0947	119.0544	0.0789	1690.0000
4919.5	64.2174	126.9895	0.0800	1686.0000
4920.0	64.3809	128.5765	0.0814	1677.0000
4920.5	65.9527	136.9540	0.0943	1666.0000
4921.0	65.5212	138.0735	0.0908	1675.0000
4921.5	65.6434	142.8345	0.0918	1657.0000
4922.0	65.3053	141.7213	0.0891	1646.0000
4922.5	65.5563	132.2370	0.0911	1666.0000
4923.0	65.0553	124.8309	0.0870	1678.0000
4923.5	65.2525	122.8282	0.0886	1695.0000
4924.0	64.4342	125.3739	0.0818	1687.0000
4924.5	63.8438	123.3048	0.0768	1677.0000
4925.0	64.5311	128.5949	0.0826	1686.0000
4925.5	63.4902	134.4139	0.0737	1675.0000
4926.0	64.1705	149.4571	0.0796	1669.0000
4926.5	64.9919	151.5731	0.0865	1696.0000
4927.0	64.4017	148.3991	0.0815	1678.0000
4927.5	65.1093	135.4250	0.0874	1669.0000
4928.0	64.4551	125.9545	0.0820	1668.0000
4928.5	63.6813	134.4186	0.0754	1652.0000
4929.0	63.6925	134.8474	0.0755	1645.0000
4929.5	63.6277	132.2475	0.0749	1670.0000
4930.0	64.1920	113.2033	0.0798	1684.0000
4930.5	64.6677	113.8325	0.0838	1687.0000
4931.0	64.8751	118.9529	0.0855	1691.0000
4931.5	64.3051	127.4170	0.0807	1684.0000
4932.0	64.1085	122.0827	0.0791	1660.0000
4932.5	64.6012	128.0369	0.0832	1658.0000
4933.0	65.8228	131.7399	0.0933	1660.0000
4933.5	66.7107	147.1253	0.1003	1670.0000
4934.0	67.0936	142.3021	0.1033	1676.0000
4934.5	67.3870	139.0740	0.1056	1677.0000
4935.0	68.0089	138.6078	0.1104	1686.0000
4935.5	67.8549	140.1948	0.1092	1676.0000
4936.0	68.0432	146.4731	0.1106	1668.0000
4936.5	67.6807	135.9295	0.1079	1690.0000
4937.0	68.1243	139.6325	0.1112	1670.0000
4937.5	68.4911	138.8004	0.1140	1660.0000
4938.0	68.2986	147.2856	0.1125	1671.0000
4938.5	68.4299	139.1768	0.1135	1661.0000
4939.0	67.0192	139.3231	0.1028	1653.0000
4939.5	66.1553	129.6805	0.0959	1657.0000
4940.0	65.1343	128.2672	0.0876	1662.0000
4940.5	63.8622	120.6129	0.0769	1652.0000
4941.0	64.8813	121.6709	0.0856	1655.0000
4941.5	66.5107	126.9609	0.0988	1670.0000
4942.0	67.2642	130.7202	0.1047	1671.0000
4942.5	66.3454	123.8431	0.0975	1667.0000
4943.0	64.7963	124.7839	0.0848	1670.0000
4943.5	62.1851	123.2492	0.0622	1666.0000
4944.0	61.8107	137.4618	0.0588	1668.0000
4944.5	62.9010	130.0741	0.0686	1673.0000
4945.0	63.7112	133.7864	0.0756	1667.0000
4945.5	65.7371	129.6250	0.0926	1667.0000
4946.0	66.6855	142.4199	0.1001	1664.0000
4946.5	67.4974	145.4761	0.1065	1660.0000
4947.0	67.6988	150.2371	0.1080	1655.0000
4947.5	67.5599	141.7731	0.1069	1669.0000
4948.0	67.5362	131.1930	0.1068	1674.0000
4948.5	67.5188	116.9098	0.1066	1685.0000
4949.0	67.6234	122.7289	0.1074	1670.0000
4949.5	67.8674	128.5479	0.1093	1659.0000
4950.0	67.7267	139.1331	0.1082	1662.0000
4950.5	68.3451	128.1207	0.1129	1658.0000
4951.0	68.1565	128.1207	0.1115	1662.0000
4951.5	68.6014	131.8186	0.1148	1682.0000
4952.0	69.4735	150.3086	0.1212	1684.0000
4952.5	68.7208	157.7146	0.1157	1676.0000
4953.0	68.9657	157.1856	0.1175	1671.0000
4953.5	68.1384	143.3601	0.1113	1669.0000
4954.0	67.0224	124.8020	0.1028	1673.0000
4954.5	66.9172	121.6829	0.1020	1677.0000
4955.0	66.3119	120.6249	0.0972	1692.0000
4955.5	66.2231	128.0217	0.0965	1691.0000
4956.0	66.1031	123.2547	0.0955	1670.0000
4956.5	66.1251	117.4357	0.0957	1665.0000
4957.0	66.9097	125.3608	0.1019	1662.0000
4957.5	67.0256	135.4862	0.1028	1666.0000
4958.0	67.6285	143.9502	0.1075	1673.0000
4958.5	68.1119	133.4321	0.1111	1680.0000
4959.0	68.5496	131.1930	0.1144	1677.0000
4959.5	69.4353	145.4761	0.1209	1677.0000
4960.0	69.9278	154.4692	0.1245	1693.0000
4960.5	70.0580	155.5272	0.1254	1682.0000
4961.0	69.6740	144.2655	0.1227	1662.0000
4961.5	69.3837	144.4800	0.1206	1681.0000
4962.0	68.3639	152.4150	0.1130	1682.0000
4962.5	67.9499	153.3204	0.1099	1678.0000
4963.0	67.6806	147.3929	0.1079	1685.0000
4963.5	67.0003	137.3418	0.1026	1692.0000
4964.0	67.4908	129.1829	0.1064	1695.0000
4964.5	66.2627	135.4250	0.0968	1673.0000
4965.0	66.0668	126.4319	0.0952	1656.0000
4965.5	66.6015	141.7731	0.0995	1670.0000
4966.0	66.8197	150.7662	0.1012	1693.0000
4966.5	68.5224	161.3463	0.1142	1677.0000
4967.0	69.2433	157.6432	0.1195	1686.0000
4967.5	68.9190	150.2372	0.1172	1673.0000
4968.0	67.7733	146.4794	0.1086	1668.0000
4968.5	67.1210	138.0702	0.1036	1660.0000
4969.0	66.0899	140.7152	0.0954	1683.0000
4969.5	66.6538	149.1687	0.0999	1673.0000
4970.0	67.4548	155.5877	0.1061	1701.0000
4970.5	67.2181	158.7617	0.1043	1686.0000
4971.0	67.0353	147.6959	0.1029	1680.0000
4971.5	67.6185	134.8739	0.1074	1690.0000
4972.0	67.4412	126.4694	0.1060	1696.0000
4972.5	67.6117	133.8368	0.1073	1694.0000
4973.0	67.7028	147.1254	0.1080	1687.0000
4973.5	66.3627	135.9113	0.0976	1675.0000
4974.0	65.1732	132.8548	0.0880	1669.0000
4974.5	64.2136	116.3922	0.0799	1678.0000
4975.0	63.9384	116.9205	0.0776	1678.0000
4975.5	64.3892	114.2722	0.0814	1675.0000
4976.0	64.9182	121.1493	0.0859	1685.0000
4976.5	63.9433	118.9925	0.0776	1669.0000
4977.0	62.7680	112.1519	0.0674	1676.0000
4977.5	61.4699	105.8038	0.0556	1697.0000
4978.0	60.3622	104.7484	0.0452	1686.0000
4978.5	60.1899	95.2025	0.0435	1675.0000
4979.0	60.2727	90.4415	0.0443	1682.0000
4979.5	60.2072	87.0657	0.0437	1670.0000
4980.0	60.7464	89.7285	0.0488	1681.0000
4980.5	61.4646	98.1926	0.0556	1687.0000
4981.0	62.0034	100.0656	0.0605	1692.0000
4981.5	62.6838	98.5606	0.0666	1694.0000
4982.0	62.6994	84.2471	0.0668	1691.0000
4982.5	62.1119	77.4018	0.0615	1675.0000
4983.0	62.3669	79.8809	0.0638	1680.0000
4983.5	62.2470	90.9320	0.0627	1700.0000
4984.0	62.0019	101.5705	0.0605	1697.0000
4984.5	62.2430	103.1575	0.0627	1697.0000
4985.0	63.1764	103.2015	0.0710	1689.0000
4985.5	63.0670	105.2751	0.0700	1686.0000
4986.0	63.8080	111.0942	0.0765	1695.0000
4986.5	64.5166	114.3124	0.0825	1689.0000
4987.0	64.9943	113.2068	0.0865	1675.0000
4987.5	64.7924	113.2068	0.0848	1689.0000
4988.0	65.2450	116.9098	0.0886	1675.0000
4988.5	64.3594	116.9098	0.0812	1675.0000
4989.0	64.9743	123.7869	0.0863	1680.0000
4989.5	66.3854	128.5479	0.0978	1678.0000
4990.0	66.2417	134.8960	0.0966	1683.0000
4990.5	67.3643	134.8722	0.1054	1694.0000
4991.0	66.5688	128.5751	0.0992	1684.0000
4991.5	64.5514	130.6911	0.0828	1680.0000
4992.0	63.9706	129.0211	0.0779	1681.0000
4992.5	64.0390	129.0722	0.0785	1670.0000
4993.0	65.2149	130.1302	0.0883	1668.0000
4993.5	65.2782	127.0629	0.0888	1675.0000
4994.0	65.8510	129.6060	0.0935	1694.0000
4994.5	64.2488	116.9098	0.0802	1708.0000
4995.0	62.5968	122.7289	0.0659	1726.0000
4995.5	62.8061	115.8975	0.0677	1709.0000
4996.0	63.8073	124.8905	0.0765	1659.0000
4996.5	65.0507	122.7745	0.0870	1661.0000
4997.0	65.6665	129.6060	0.0920	1664.0000
4997.5	65.9887	124.7974	0.0946	1680.0000
4998.0	64.9324	125.3813	0.0860	1696.0000
4998.5	65.0898	119.0332	0.0873	1690.0000
4999.0	65.8638	126.4301	0.0936	1687.0000
4999.5	65.9956	133.3158	0.0947	1665.0000
5000.0	66.7631	146.0119	0.1008	1661.0000
5000.5	67.6194	147.5969	0.1074	1684.0000
5001.0	68.2679	151.7025	0.1123	1697.0000
5001.5	68.9966	157.5216	0.1177	1700.0000
5002.0	69.9879	160.2253	0.1249	1709.0000
5002.5	70.7254	157.3649	0.1301	1698.0000
5003.0	69.2110	150.7639	0.1193	1686.0000
5003.5	66.7477	132.7777	0.1006	1689.0000
5004.0	62.9392	124.0630	0.0689	1669.0000
5004.5	59.1339	108.9748	0.0331	1658.0000
5005.0	59.4183	119.5549	0.0360	1691.0000

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5005.5	60.6434	118.0201	0.0479	1687.0000
5006.0	62.1078	122.1573	0.0615	1702.0000
5006.5	63.2207	114.8386	0.0714	1673.0000
5007.0	65.1778	125.8955	0.0880	1667.0000
5007.5	64.8617	124.3124	0.0854	1681.0000
5008.0	63.1775	133.8583	0.0710	1684.0000
5008.5	61.4602	115.3431	0.0555	1677.0000
5009.0	60.5399	119.5646	0.0469	1695.0000
5009.5	60.9757	117.2994	0.0510	1691.0000
5010.0	61.7993	124.1764	0.0587	1693.0000
5010.5	61.8205	116.5297	0.0588	1681.0000
5011.0	61.4717	113.7171	0.0556	1683.0000
5011.5	61.8756	116.8911	0.0593	1683.0000
5012.0	62.1833	120.4073	0.0621	1710.0000
5012.5	64.5963	116.3808	0.0832	1685.0000
5013.0	65.2555	118.9672	0.0886	1682.0000
5013.5	65.3576	129.0764	0.0895	1699.0000
5014.0	65.1470	135.4245	0.0878	1689.0000
5014.5	63.3549	129.6127	0.0726	1698.0000
5015.0	63.1498	125.3754	0.0708	1690.0000
5015.5	63.3562	132.2524	0.0726	1682.0000
5016.0	63.1662	135.8949	0.0709	1681.0000
5016.5	64.7484	134.8873	0.0844	1685.0000
5017.0	65.0715	130.1263	0.0871	1673.0000
5017.5	64.7595	126.5352	0.0845	1691.0000
5018.0	63.5661	130.1912	0.0744	1692.0000
5018.5	61.4447	124.9011	0.0554	1685.0000
5019.0	59.8603	112.2050	0.0403	1690.0000
5019.5	58.4045	99.4527	0.0257	1702.0000
5020.0	58.8041	95.1778	0.0298	1681.0000
5020.5	58.9162	105.2153	0.0309	1690.0000
5021.0	58.4676	103.5900	0.0264	1674.0000
5021.5	58.5753	99.8916	0.0275	1677.0000
5022.0	59.3438	88.3346	0.0352	1685.0000
5022.5	61.3758	102.1270	0.0547	1702.0000
5023.0	62.4522	109.0423	0.0646	1700.0000
5023.5	64.2291	133.3090	0.0801	1705.0000
5024.0	64.0993	137.0120	0.0790	1697.0000
5024.5	64.0627	143.3601	0.0787	1677.0000
5025.0	65.0291	137.0120	0.0868	1680.0000
5025.5	65.6586	132.1969	0.0919	1683.0000
5026.0	66.6077	132.2518	0.0995	1685.0000
5026.5	67.5228	129.6068	0.1067	1709.0000
5027.0	67.2982	128.0217	0.1049	1718.0000
5027.5	66.0251	124.3644	0.0949	1701.0000
5028.0	65.1574	132.8285	0.0878	1707.0000
5028.5	64.4803	134.4677	0.0822	1694.0000
5029.0	64.1458	139.0285	0.0794	1693.0000
5029.5	64.6029	119.4553	0.0832	1694.0000
5030.0	63.5858	123.0877	0.0746	1686.0000
5030.5	63.1966	119.5064	0.0712	1678.0000
5031.0	63.7556	136.3146	0.0760	1698.0000
5031.5	64.9587	135.4424	0.0862	1698.0000
5032.0	64.1905	140.1814	0.0797	1705.0000
5032.5	62.6317	126.5471	0.0662	1698.0000
5033.0	60.8033	116.3809	0.0494	1690.0000
5033.5	59.7798	101.5687	0.0395	1687.0000
5034.0	59.7500	107.3878	0.0392	1680.0000
5034.5	59.6659	107.3878	0.0384	1678.0000
5035.0	59.8309	115.3228	0.0400	1703.0000
5035.5	59.6541	109.5038	0.0383	1701.0000
5036.0	59.5113	108.4458	0.0369	1690.0000
5036.5	59.1357	102.5852	0.0331	1692.0000
5037.0	59.4956	102.1409	0.0367	1685.0000
5037.5	60.0995	100.5539	0.0426	1692.0000
5038.0	60.1867	110.5385	0.0435	1706.0000
5038.5	60.0860	117.4328	0.0425	1701.0000
5039.0	59.2738	111.0847	0.0345	1701.0000
5039.5	58.9642	99.5546	0.0314	1698.0000
5040.0	61.1007	98.9237	0.0522	1696.0000
5040.5	63.1741	116.3808	0.0710	1684.0000
5041.0	65.8822	134.8960	0.0937	1685.0000
5041.5	67.5160	140.5129	0.1066	1685.0000
5042.0	67.4397	146.2068	0.1060	1689.0000
5042.5	66.8510	140.4989	0.1014	1694.0000
5043.0	66.3133	127.4760	0.0972	1701.0000
5043.5	66.5063	124.9562	0.0987	1700.0000
5044.0	66.6312	123.2579	0.0997	1702.0000
5044.5	66.2484	139.1281	0.0967	1684.0000
5045.0	65.8446	131.7220	0.0934	1691.0000
5045.5	65.0010	128.5479	0.0865	1694.0000
5046.0	64.5561	123.2579	0.0828	1697.0000
5046.5	64.6517	137.0795	0.0836	1700.0000
5047.0	64.9031	132.3184	0.0857	1693.0000
5047.5	65.6994	139.5980	0.0923	1684.0000
5048.0	66.4311	130.6500	0.0981	1697.0000
5048.5	68.0596	147.5782	0.1107	1685.0000
5049.0	69.1731	144.5052	0.1190	1687.0000
5049.5	68.9162	151.2697	0.1171	1705.0000
5050.0	67.8456	142.8056	0.1091	1701.0000
5050.5	65.0662	139.1829	0.0871	1708.0000
5051.0	62.7872	125.9578	0.0676	1705.0000
5051.5	63.6009	126.9604	0.0747	1698.0000
5052.0	64.4376	138.6131	0.0818	1690.0000
5052.5	67.4336	145.4901	0.1060	1698.0000
5053.0	68.4479	150.7736	0.1137	1692.0000
5053.5	66.3151	141.7692	0.0972	1714.0000
5054.0	63.8993	135.4212	0.0773	1715.0000
5054.5	62.6645	119.0840	0.0665	1715.0000
5055.0	61.8517	108.4907	0.0591	1709.0000
5055.5	61.2275	103.2007	0.0534	1697.0000
5056.0	61.4791	107.4327	0.0557	1701.0000
5056.5	61.2549	108.4457	0.0536	1699.0000
5057.0	61.2815	108.9951	0.0539	1700.0000
5057.5	61.7166	111.1607	0.0579	1698.0000
5058.0	62.6268	110.1027	0.0661	1705.0000
5058.5	64.5341	118.1337	0.0827	1709.0000
5059.0	66.0799	124.7332	0.0953	1696.0000
5059.5	65.8645	133.2528	0.0936	1694.0000
5060.0	65.2377	140.5427	0.0885	1687.0000
5060.5	65.4209	138.6546	0.0900	1689.0000
5061.0	64.7598	134.3670	0.0845	1709.0000
5061.5	64.7001	131.7220	0.0840	1726.0000
5062.0	63.3023	114.7938	0.0721	1720.0000
5062.5	60.6451	109.9886	0.0479	1712.0000
5063.0	59.5813	89.9201	0.0376	1722.0000
5063.5	59.2104	94.6812	0.0339	1706.0000
5064.0	59.3446	92.5263	0.0352	1700.0000
5064.5	60.4694	99.9847	0.0462	1702.0000
5065.0	62.2829	108.9999	0.0630	1700.0000
5065.5	63.5954	119.1340	0.0746	1715.0000
5066.0	65.7585	134.8499	0.0927	1705.0000
5066.5	66.4448	141.1165	0.0982	1687.0000
5067.0	66.5350	148.5860	0.0990	1708.0000
5067.5	65.7994	136.9200	0.0931	1703.0000
5068.0	64.2694	132.1649	0.0804	1700.0000
5068.5	65.0617	121.0419	0.0870	1700.0000
5069.0	65.4084	132.2471	0.0899	1694.0000
5069.5	65.2037	134.3605	0.0882	1697.0000
5070.0	65.7616	136.5316	0.0928	1711.0000
5070.5	64.9403	123.8354	0.0860	1703.0000
5071.0	64.1748	128.0622	0.0796	1698.0000
5071.5	64.9440	135.9548	0.0861	1693.0000
5072.0	63.9739	140.7159	0.0779	1692.0000
5072.5	63.3508	131.7841	0.0725	1686.0000
5073.0	63.6509	133.8380	0.0751	1703.0000
5073.5	63.2747	146.5341	0.0719	1700.0000
5074.0	63.3895	138.5990	0.0729	1712.0000
5074.5	63.9070	125.3739	0.0773	1715.0000
5075.0	63.3395	118.9658	0.0724	1697.0000
5075.5	63.2891	135.9555	0.0720	1685.0000
5076.0	63.8869	143.9487	0.0772	1699.0000
5076.5	63.4336	141.6415	0.0732	1683.0000
5077.0	63.7652	135.2320	0.0761	1700.0000
5077.5	63.3996	134.1158	0.0729	1699.0000
5078.0	62.8390	124.3159	0.0680	1698.0000
5078.5	62.6200	123.8398	0.0661	1709.0000
5079.0	62.0125	124.3114	0.0606	1703.0000
5079.5	62.8106	120.1190	0.0678	1698.0000
5080.0	63.8630	123.7692	0.0770	1703.0000
5080.5	63.0760	110.5605	0.0701	1717.0000
5081.0	62.7209	117.4462	0.0670	1687.0000
5081.5	61.8380	113.7432	0.0590	1705.0000
5082.0	62.3720	118.4515	0.0639	1693.0000
5082.5	63.1966	119.5064	0.0479	1687.0000
5083.0	64.0967	120.6715	0.0790	1714.0000
5083.5	64.7080	128.1151	0.0841	1702.0000
5084.0	64.3487	127.4894	0.0811	1693.0000
5084.5	63.8953	125.9004	0.0772	1706.0000
5085.0	64.3518	121.3250	0.0811	1692.0000
5085.5	64.4019	125.5570	0.0815	1701.0000
5086.0	64.2483	118.6380	0.0802	1717.0000
5086.5	63.4541	123.9910	0.0734	1727.0000
5087.0	64.3212	134.0421	0.0809	1717.0000
5087.5	63.4861	138.7115	0.0737	1707.0000
5088.0	63.2430	128.5479	0.0716	1696.0000
5088.5	62.3131	110.5617	0.0633	1734.0000
5089.0	60.4864	85.1695	0.0464	1717.0000
5089.5	59.5631	64.0093	0.0374	1741.0000
5090.0	59.1904	55.5452	0.0337	1716.0000
5090.5	60.1506	74.1040	0.0431	1719.0000
5091.0	61.6712	93.1482	0.0575	1715.0000
5091.5	63.7915	114.7202	0.0763	1703.0000
5092.0	65.5881	137.0377	0.0914	1709.0000
5092.5	66.6474	153.9659	0.0998	1708.0000
5093.0	68.0529	148.6890	0.1107	1711.0000
5093.5	68.9475	132.2488	0.1174	1726.0000
5094.0	69.8391	133.8358	0.1238	1703.0000
5094.5	70.2537	139.1127	0.1268	1710.0000
5095.0	70.5718	142.8250	0.1291	1717.0000
5095.5	69.6432	140.9093	0.1224	1710.0000
5096.0	69.2823	140.4975	0.1198	1712.0000
5096.5	68.6610	142.5023	0.1152	1724.0000
5097.0	68.6184	138.0700	0.1149	1734.0000
5097.5	69.1810	131.7219	0.1191	1742.0000
5098.0	68.7317	126.9609	0.1158	1711.0000
5098.5	68.7190	124.3159	0.1157	1707.0000
5099.0	68.5658	126.9609	0.1145	1705.0000
5099.5	68.7329	140.1860	0.1158	1703.0000
5100.0	69.5427	143.8891	0.1217	1716.0000
5100.5	69.9011	152.8821	0.1243	1718.0000
5101.0	69.8117	142.8310	0.1237	1726.0000
5101.5	70.1207	140.2518	0.1259	1716.0000
5102.0	70.1581	142.7736	0.1261	1728.0000
5102.5	69.7078	143.8941	0.1229	1702.0000
5103.0	69.2628	139.6515	0.1197	1699.0000
5103.5	68.7228	131.2540	0.1157	1723.0000
5104.0	68.2586	128.0366	0.1122	1719.0000
5104.5	67.9251	134.4005	0.1097	1731.0000
5105.0	66.7639	137.0201	0.1008	1747.0000
5105.5	67.2326	148.2856	0.1044	1734.0000
5106.0	68.2152	132.8160	0.1119	1702.0000
5106.5	68.1970	134.4285	0.1118	1690.0000
5107.0	68.1574	113.7358	0.1115	1693.0000
5107.5	65.0808	142.3020	0.0872	1710.0000

5133.5	65.9567	115.8518	0.0943	1712.0000
5134.0	65.0599	100.9968	0.0870	1722.0000
5134.5	64.8224	130.6938	0.0851	1733.0000
5135.0	66.5897	144.9769	0.0994	1728.0000
5135.5	68.4403	156.0722	0.1136	1714.0000
5136.0	68.9981	145.4788	0.1177	1703.0000
5136.5	69.6521	143.8918	0.1225	1692.0000
5137.0	69.7347	146.4737	0.1231	1701.0000
5137.5	70.0769	156.0793	0.1255	1739.0000
5138.0	70.0233	149.2022	0.1252	1759.0000
5138.5	69.0282	147.0914	0.1180	1765.0000
5139.0	67.4832	136.4849	0.1064	1736.0000
5139.5	66.7104	133.8399	0.1003	1739.0000
5140.0	66.4610	129.7224	0.0984	1725.0000
5140.5	66.2289	124.3380	0.0965	1725.0000
5141.0	65.2614	120.6349	0.0887	1722.0000
5141.5	65.6777	114.8159	0.0921	1742.0000
5142.0	64.9511	117.9678	0.0861	1742.0000
5142.5	66.0209	133.8380	0.0949	1750.0000
5143.0	68.1565	137.5410	0.1115	1735.0000
5143.5	68.4320	140.1860	0.1135	1717.0000
5144.0	69.4885	132.7226	0.1213	1709.0000
5144.5	69.9318	134.8908	0.1245	1705.0000
5145.0	69.5216	131.1878	0.1216	1719.0000
5145.5	67.9027	131.1878	0.1096	1741.0000
5146.0	66.0924	124.3021	0.0954	1748.0000
5146.5	65.1414	116.3671	0.0877	1756.0000
5147.0	65.1650	112.1403	0.0879	1747.0000
5147.5	66.9200	123.9610	0.1020	1740.0000
5148.0	67.0957	125.5480	0.1034	1751.0000
5148.5	66.8322	133.0062	0.1013	1749.0000
5149.0	66.7500	130.1349	0.1007	1742.0000
5149.5	66.5209	142.8311	0.0988	1735.0000
5150.0	66.5244	139.1280	0.0989	1744.0000
5150.5	66.8950	144.9471	0.1018	1742.0000
5151.0	65.1518	136.5346	0.0878	1741.0000
5151.5	64.6861	134.4186	0.0839	1727.0000
5152.0	64.8811	121.1934	0.0856	1709.0000
5152.5	64.4726	111.0518	0.0821	1717.0000
5153.0	63.9927	110.5764	0.0781	1718.0000
5153.5	62.8400	112.6924	0.0680	1750.0000
5154.0	61.8335	118.5042	0.0590	1747.0000
5154.5	61.3102	108.4406	0.0541	1743.0000
5155.0	61.8068	114.2596	0.0587	1756.0000
5155.5	63.5599	116.6188	0.0743	1756.0000
5156.0	63.7995	128.3272	0.0764	1734.0000
5156.5	63.7945	121.9791	0.0764	1747.0000
5157.0	63.3433	112.7514	0.0725	1760.0000
5157.5	63.7108	107.9784	0.0756	1740.0000
5158.0	64.4446	124.3776	0.0819	1720.0000
5158.5	65.3758	139.1713	0.0896	1722.0000
5159.0	66.1005	140.1809	0.0955	1728.0000
5159.5	66.1870	127.4848	0.0962	1733.0000
5160.0	66.9116	129.6569	0.1019	1715.0000
5160.5	67.4818	126.4319	0.1063	1717.0000
5161.0	68.4883	130.6640	0.1140	1734.0000
5161.5	69.3072	133.8380	0.1200	1719.0000
5162.0	69.0408	141.7731	0.1181	1722.0000
5162.5	69.8807	138.5456	0.1241	1726.0000
5163.0	69.3307	137.0194	0.1202	1734.0000
5163.5	69.4033	133.7168	0.1207	1737.0000
5164.0	70.2078	144.2838	0.1265	1736.0000
5164.5	69.5436	134.2201	0.1217	1727.0000
5165.0	70.1898	137.5227	0.1264	1730.0000
5165.5	70.5788	129.1252	0.1291	1732.0000
5166.0	70.7705	132.7800	0.1304	1747.0000
5166.5	71.6290	139.1281	0.1364	1719.0000
5167.0	71.7703	137.0120	0.1373	1740.0000
5167.5	70.6046	142.8311	0.1293	1730.0000
5168.0	70.2487	141.7731	0.1268	1720.0000
5168.5	70.4581	139.7080	0.1283	1716.0000
5169.0	69.9201	133.3599	0.1244	1722.0000
5169.5	70.4897	127.4289	0.1285	1727.0000
5170.0	70.0246	136.4955	0.1252	1720.0000
5170.5	69.9082	145.4886	0.1243	1718.0000
5171.0	70.3417	144.9609	0.1274	1722.0000
5171.5	70.6183	141.2486	0.1294	1733.0000
5172.0	70.7504	133.3135	0.1303	1735.0000
5172.5	70.8110	131.2554	0.1307	1748.0000
5173.0	70.8622	135.0746	0.1311	1760.0000
5173.5	70.7040	128.7265	0.1300	1758.0000
5174.0	71.1563	133.5403	0.1331	1765.0000
5174.5	71.1872	143.8439	0.1333	1749.0000
5175.0	71.3065	156.2872	0.1342	1717.0000
5175.5	71.2322	156.3460	0.1336	1733.0000
5176.0	70.0846	144.7530	0.1256	1712.0000
5176.5	69.5552	135.9627	0.1218	1727.0000
5177.0	69.1513	133.8441	0.1189	1750.0000
5177.5	69.3404	128.0250	0.1202	1735.0000
5178.0	70.1196	142.2226	0.1259	1715.0000
5178.5	70.8738	144.4003	0.1312	1718.0000
5179.0	71.6578	151.3395	0.1366	1714.0000
5179.5	72.5518	148.2372	0.1426	1722.0000
5180.0	72.7898	159.8308	0.1442	1740.0000
5180.5	70.9958	151.3046	0.1320	1745.0000
5181.0	70.1075	141.3175	0.1258	1755.0000
5181.5	69.2596	122.7289	0.1197	1744.0000
5182.0	67.9007	121.1419	0.1095	1742.0000
5182.5	69.5871	130.1350	0.1220	1752.0000
5183.0	70.6924	142.5007	0.1299	1743.0000
5183.5	70.3702	147.2063	0.1276	1709.0000
5184.0	70.9971	140.9682	0.1320	1716.0000
5184.5	71.5637	134.4215	0.1359	1733.0000
5185.0	71.4115	133.3648	0.1349	1740.0000
5185.5	71.9697	142.8438	0.1387	1757.0000
5186.0	71.7637	142.8438	0.1373	1731.0000
5186.5	71.6681	154.0070	0.1366	1718.0000
5187.0	71.5282	144.4181	0.1357	1724.0000
5187.5	71.3508	140.1861	0.1345	1718.0000
5188.0	71.7087	141.7731	0.1369	1719.0000
5188.5	70.9284	151.2952	0.1315	1739.0000
5189.0	70.9467	160.8172	0.1317	1741.0000
5189.5	71.0230	146.9346	0.1322	1750.0000
5190.0	71.1551	138.4705	0.1331	1711.0000
5190.5	70.5649	128.8443	0.1290	1714.0000
5191.0	70.2744	133.8518	0.1270	1742.0000
5191.5	70.3839	132.7938	0.1277	1727.0000
5192.0	70.0115	137.6008	0.1251	1740.0000
5192.5	70.7717	148.1352	0.1305	1742.0000
5193.0	71.2395	154.4832	0.1337	1740.0000
5193.5	71.2414	157.7153	0.1337	1723.0000
5194.0	71.8344	137.5410	0.1378	1728.0000
5194.5	71.6834	141.7731	0.1367	1727.0000
5195.0	71.3697	147.0631	0.1346	1715.0000
5195.5	71.1658	159.8221	0.1332	1720.0000
5196.0	70.0473	152.3573	0.1253	1719.0000
5196.5	69.7631	145.5404	0.1233	1727.0000
5197.0	68.5672	138.0715	0.1146	1742.0000
5197.5	66.9132	125.8761	0.1019	1732.0000
5198.0	68.0173	117.1886	0.1104	1717.0000
5198.5	68.2556	114.5436	0.1122	1752.0000
5199.0	69.1482	127.3267	0.1188	1720.0000
5199.5	70.0098	137.0120	0.1251	1731.0000
5200.0	69.7098	143.3601	0.1229	1732.0000
5200.5	69.3628	145.4761	0.1204	1726.0000
5201.0	68.3637	141.3003	0.1130	1724.0000
5201.5	68.0565	137.0683	0.1107	1722.0000
5202.0	67.5277	132.3072	0.1067	1703.0000
5202.5	67.5280	140.7151	0.1067	1712.0000
5203.0	67.6134	133.7938	0.1074	1725.0000
5203.5	67.6155	129.6127	0.1074	1710.0000
5204.0	67.3830	130.1417	0.1056	1712.0000
5204.5	66.8868	134.8968	0.1017	1722.0000
5205.0	65.9666	140.1935	0.0944	1724.0000
5205.5	65.7929	128.0264	0.0930	1742.0000
5206.0	66.2733	129.0831	0.0969	1736.0000
5206.5	67.0209	126.6016	0.1028	1747.0000
5207.0	67.0752	123.9566	0.1032	1731.0000
5207.5	67.1305	119.2470	0.1036	1741.0000
5208.0	66.2992	128.5480	0.0971	1737.0000
5208.5	66.0401	129.6060	0.0950	1732.0000
5209.0	66.7229	131.1930	0.1004	1710.0000
5209.5	66.9103	117.9679	0.1019	1730.0000
5210.0	66.3839	116.3327	0.0978	1750.0000
5210.5	66.0597	112.1430	0.0952	1731.0000
5211.0	65.7435	116.9041	0.0926	1742.0000
5211.5	65.6082	120.6025	0.0915	1725.0000
5212.0	66.2006	130.7211	0.0963	1710.0000
5212.5	66.5216	126.4390	0.0989	1695.0000
5213.0	66.8257	121.6839	0.1012	1725.0000
5213.5	67.5906	121.6839	0.1072	1719.0000
5214.0	66.7875	123.6763	0.1010	1735.0000
5214.5	66.6326	130.1261	0.0997	1745.0000
5215.0	66.3134	123.6681	0.0972	1731.0000
5215.5	65.9740	124.8998	0.0945	1727.0000
5216.0	66.8051	128.0190	0.1011	1730.0000
5216.5	67.4661	132.2510	0.1062	1737.0000
5217.0	66.6497	134.8387	0.0999	1743.0000
5217.5	66.3602	128.5415	0.0976	1715.0000
5218.0	65.4368	133.3026	0.0901	1727.0000
5218.5	64.6428	134.8284	0.0836	1730.0000
5219.0	64.7945	143.8950	0.0848	1739.0000
5219.5	65.3255	139.1340	0.0892	1730.0000
5220.0	65.3584	136.5515	0.0895	1732.0000
5220.5	65.4906	131.7222	0.0906	1745.0000
5221.0	65.8777	133.3092	0.0937	1732.0000
5221.5	65.6799	138.3041	0.0921	1730.0000
5222.0	65.7298	139.8349	0.0925	1718.0000
5222.5	66.3386	135.6029	0.0974	1722.0000
5223.0	66.5724	124.8449	0.0993	1731.0000
5223.5	66.1320	115.8519	0.0958	1732.0000
5224.0	66.6570	120.0839	0.0999	1726.0000
5224.5	66.9390	122.1999	0.1021	1742.0000
5225.0	66.9948	126.9610	0.1026	1735.0000
5225.5	67.5851	128.4919	0.1071	1750.0000
5226.0	65.9224	131.2468	0.0941	1717.0000
5226.5	65.8813	133.3629	0.0937	1733.0000
5227.0	64.7993	124.8639	0.0849	1742.0000
5227.5	63.7884	119.5606	0.0763	1752.0000
5228.0	64.3205	115.3286	0.0809	1740.0000
5228.5	63.2618	114.8009	0.0717	1720.0000
5229.0	63.2251	111.6189	0.0714	1742.0000
5229.5	63.5522	116.3800	0.0743	1723.0000
5230.0	63.7982	121.2844	0.0764	1733.0000
5230.5	63.4490	118.5916	0.0734	1735.0000
5231.0	63.7249	109.5537	0.0758	1743.0000
5231.5	63.8672	111.1399	0.0770	1734.0000
5232.0	64.5197	123.7950	0.0825	1730.0000
5232.5	64.6438	125.3800	0.0836	1717.0000
5233.0	64.9003	121.1427	0.0857	1728.0000
5233.5	64.8546	121.6717	0.0853	1748.0000
5234.0	64.9766	129.0126	0.0863	1747.0000
5234.5	65.5952	134.3636	0.0914	1734.0000
5235.0	66.0623	135.4216	0.0952	1730.0000
5235.5	66.4532	129.6658	0.0983	1719.0000
5236.0	66.6484	132.3174	0.0999	1727.0000
5236.5	66.4944	129.1954	0.0986	1725.0000
5237.0	66.4049	145.1144	0.0979	1724.0000
5237.5	66.3238	154.5213	0.0973	1745.0000
5238.0	66.1971	159.2303	0.0963	1740.0000
5238.5	66.6742	150.2372	0.1001	1741.0000
5239.0	66.3454	142.3021	0.0975	1736.0000
5239.5	66.8018	142.3021	0.1011	1742.0000
5240.0	66.2795	140.7706	0.0969	1739.0000
5240.5	67.1435	142.8867	0.1037	1762.0000
5241.0	68.4434	134.3224	0.1136	1745.0000
5241.5	68.6239	139.6814	0.1150	1756.0000
5242.0	69.7327	138.6234	0.1231	1758.0000
5242.5	68.9296	142.8449	0.1172	1747.0000
5243.0	68.6459	139.6629	0.1151	1714.0000
5243.5	68.4174	134.9019	0.1134	1739.0000
5244.0	67.7202	134.5827	0.1082	1727.0000
5244.5	67.7914	127.5891	0.1087	1735.0000
5245.0	67.5584	131.2921	0.1069	1743.0000
5245.5	68.1798	130.1350	0.1117	1737.0000
5246.0	68.1481	146.5341	0.1114	1742.0000
5246.5	68.1717	150.2372	0.1116	1733.0000
5247.0	68.2833	144.9941	0.1124	1730.0000
5247.5	67.6755	141.8200	0.1078	1736.0000
5248.0	68.1455	135.8877	0.1114	1755.0000
5248.5	68.8234	142.2987	0.1165	1745.0000
5249.0	68.9544	135.4216	0.1174	1755.0000
5249.5	68.7589	131.2001	0.1160	1758.0000
5250.0	66.8471	131.7305	0.1014	1747.0000
5250.5	65.3439	118.5053	0.0894	1756.0000
5251.0	65.3377	122.3111	0.0893	1745.0000
5251.5	65.3222	120.0839	0.0892	1726.0000
5252.0	66.7534	137.1899	0.1007	1743.0000
5252.5	67.4714	139.3059	0.1063	1759.0000
5253.0	68.3824	140.3639	0.1132	1751.0000
5253.5	68.9043	134.3123	0.1170	1752.0000
5254.0	68.8084	138.0788	0.1163	1734.0000
5254.5	68.9398	133.3177	0.1173	1742.0000
5255.0	68.5090	138.6012	0.1141	1720.0000
5255.5	67.7173	142.3089	0.1081	1737.0000
5256.0	68.0193	152.4208	0.1104	1727.0000
5256.5	67.5009	147.0827	0.1065	1752.0000
5257.0	67.5718	139.7264	0.1070	1767.0000
5257.5	68.3133	134.3755	0.1127	1768.0000
5258.0	68.7870	139.2459	0.1162	1780.0000
5258.5	68.8056	137.5410	0.1163	1765.0000
5259.0	68.7129	134.8960	0.1156	1757.0000
5259.5	68.9828	138.0701	0.1176	1764.0000
5260.0	68.9509	146.5341	0.1174	1731.0000
5260.5	69.4344	152.3532	0.1209	1770.0000
5261.0	69.3078	154.4981	0.1200	1772.0000

5261.5	68.4716	156.6141	0.1138	1762.0000
5262.0	68.1938	162.3027	0.1118	1777.0000
5262.5	68.0320	161.3483	0.1105	1762.0000
5263.0	67.8451	158.1742	0.1091	1744.0000
5263.5	68.0113	153.4843	0.1104	1727.0000
5264.0	68.1587	155.0070	0.1115	1737.0000
5264.5	68.5607	156.0650	0.1145	1735.0000
5265.0	69.2542	156.6533	0.1196	1752.0000
5265.5	70.2587	145.5303	0.1268	1744.0000
5266.0	71.3127	139.1823	0.1342	1756.0000
5266.5	71.1932	145.0014	0.1334	1778.0000
5267.0	71.5397	156.0562	0.1358	1735.0000
5267.5	71.3177	156.5252	0.1342	1742.0000
5268.0	71.1423	149.7995	0.1330	1755.0000
5268.5	70.5520	147.1545	0.1289	1737.0000
5269.0	69.3755	142.8731	0.1205	1748.0000
5269.5	68.1412	140.1879	0.1114	1758.0000
5270.0	66.4500	141.7750	0.0983	1741.0000
5270.5	65.0080	141.3553	0.0866	1760.0000
5271.0	64.3699	138.0701	0.0813	1747.0000
5271.5	64.8255	128.0190	0.0851	1735.0000
5272.0	65.8057	126.9610	0.0931	1737.0000
5272.5	66.9173	134.3670	0.1020	1747.0000
5273.0	67.7453	128.5949	0.1084	1723.0000
5273.5	68.0056	128.5422	0.1103	1734.0000
5274.0	67.7354	132.8403	0.1083	1748.0000
5274.5	67.8744	143.8418	0.1093	1766.0000
5275.0	67.9395	150.8331	0.1098	1743.0000
5275.5	67.8360	147.0640	0.1090	1750.0000
5276.0	67.8362	145.9481	0.1091	1761.0000
5276.5	66.6858	137.5637	0.1002	1750.0000
5277.0	66.6469	143.3827	0.0998	1734.0000
5277.5	66.9085	140.8563	0.1019	1762.0000
5278.0	66.9214	153.4780	0.1020	1790.0000
5278.5	67.5893	147.6590	0.1072	1719.0000
5279.0	68.3868	146.6009	0.1132	1734.0000
5279.5	69.0221	146.0051	0.1179	1758.0000
5280.0	69.1392	147.5922	0.1188	1752.0000
5280.5	69.1776	150.2372	0.1191	1749.0000
5281.0	68.4051	141.7731	0.1133	1758.0000
5281.5	66.7632	131.7322	0.1008	1740.0000
5282.0	65.8642	120.7118	0.0936	1742.0000
5282.5	67.4790	124.9438	0.1063	1743.0000
5283.0	67.9943	134.8583	0.1103	1740.0000
5283.5	68.8568	146.5255	0.1167	1757.0000
5284.0	68.7600	144.4095	0.1160	1765.0000
5284.5	68.1790	137.6589	0.1116	1759.0000
5285.0	68.3046	144.4181	0.1126	1788.0000
5285.5	68.9002	152.8822	0.1170	1726.0000
5286.0	69.2382	156.5853	0.1195	1742.0000
5286.5	69.5416	153.4112	0.1217	1750.0000
5287.0	69.1345	144.9471	0.1187	1741.0000
5287.5	69.2646	145.4761	0.1197	1750.0000
5288.0	69.8137	139.1281	0.1237	1769.0000
5288.5	69.6136	138.0701	0.1222	1777.0000
5289.0	69.8256	139.1896	0.1238	1766.0000
5289.5	69.7914	155.0597	0.1235	1755.0000
5290.0	69.4539	159.1679	0.1211	1736.0000
5290.5	69.2110	158.0501	0.1193	1740.0000
5291.0	68.9242	141.1762	0.1172	1773.0000
5291.5	69.0892	140.7710	0.1184	1770.0000
5292.0	69.1979	139.1823	0.1192	1744.0000
5292.5	69.3209	159.2303	0.1201	1765.0000
5293.0	69.3211	157.1142	0.1201	1760.0000
5293.5	67.4103	155.5272	0.1058	1765.0000
5294.0	66.7260	141.2441	0.1005	1759.0000
5294.5	66.3849	142.3021	0.0978	1749.0000
5295.0	65.9819	149.7081	0.0946	1774.0000
5295.5	67.1998	145.4200	0.1042	1785.0000
5296.0	67.5574	145.4802	0.1069	1769.0000
5296.5	67.5668	136.6616	0.1070	1761.0000
5297.0	67.9990	138.6225	0.1103	1765.0000
5297.5	67.9266	145.8307	0.1097	1755.0000
5298.0	67.8581	151.4753	0.1092	1755.0000
5298.5	67.6729	151.6864	0.1078	1747.0000
5299.0	67.8876	142.3021	0.1094	1737.0000
5299.5	67.8435	149.1792	0.1091	1757.0000
5300.0	68.3300	157.1142	0.1128	1778.0000
5300.5	68.6930	157.1142	0.1155	1755.0000
5301.0	69.0054	153.4112	0.1178	1769.0000
5301.5	69.2233	144.4181	0.1194	1792.0000
5302.0	69.6176	152.9503	0.1223	1803.0000
5302.5	69.2085	149.6537	0.1193	1778.0000
5303.0	68.3404	152.9509	0.1129	1770.0000
5303.5	67.2929	137.5416	0.1049	1780.0000
5304.0	66.8361	144.4016	0.1013	1757.0000
5304.5	67.9162	136.4540	0.1097	1744.0000
5305.0	68.7561	142.8021	0.1160	1751.0000
5305.5	69.5056	143.4708	0.1214	1745.0000
5306.0	69.8183	154.9982	0.1237	1764.0000
5306.5	69.5270	154.9415	0.1216	1766.0000
5307.0	69.6573	151.3046	0.1225	1785.0000
5307.5	69.2900	149.7175	0.1199	1749.0000
5308.0	69.0487	146.5475	0.1181	1765.0000
5308.5	68.6323	137.5431	0.1150	1776.0000
5309.0	68.0414	132.2531	0.1106	1781.0000
5309.5	68.1394	126.4413	0.1113	1780.0000
5310.0	68.8352	131.7380	0.1165	1787.0000
5310.5	69.3818	141.7891	0.1205	1776.0000
5311.0	69.9186	159.2245	0.1244	1770.0000
5311.5	70.5518	161.9378	0.1289	1782.0000
5312.0	70.8810	160.3508	0.1312	1766.0000
5312.5	71.0416	155.6570	0.1323	1791.0000
5313.0	70.8463	160.3335	0.1310	1748.0000
5313.5	70.8828	153.4564	0.1312	1744.0000
5314.0	70.9578	150.8114	0.1317	1773.0000
5314.5	69.5100	141.7731	0.1215	1758.0000
5315.0	68.0176	140.7151	0.1104	1772.0000
5315.5	66.5744	137.0656	0.0993	1775.0000
5316.0	66.0108	136.5366	0.0948	1752.0000
5316.5	66.2471	148.5574	0.0967	1743.0000
5317.0	67.0703	147.5505	0.1032	1767.0000
5317.5	67.7757	143.3185	0.1086	1759.0000
5318.0	67.3626	141.2077	0.1054	1767.0000
5318.5	67.6790	145.9807	0.1079	1766.0000
5319.0	68.6093	158.6768	0.1149	1760.0000
5319.5	68.6510	148.7667	0.1152	1764.0000
5320.0	69.8251	151.8242	0.1237	1762.0000
5320.5	69.5683	142.0999	0.1219	1783.0000
5321.0	67.2322	147.9189	0.1044	1786.0000
5321.5	65.2473	136.8098	0.0886	1773.0000
5322.0	63.1946	136.4263	0.0712	1769.0000
5322.5	61.7803	126.4281	0.0585	1767.0000
5323.0	62.6310	130.6602	0.0662	1755.0000
5323.5	63.7163	124.2713	0.0757	1764.0000
5324.0	64.6500	128.0367	0.0836	1765.0000
5324.5	65.2072	131.7397	0.0882	1759.0000
5325.0	65.7030	139.7136	0.0923	1775.0000
5325.5	66.2930	139.6559	0.0970	1787.0000
5326.0	66.4913	135.9529	0.0986	1794.0000
5326.5	66.2779	140.7726	0.0969	1783.0000
5327.0	66.4560	135.4250	0.0983	1777.0000
5327.5	64.8343	131.7220	0.0852	1769.0000
5328.0	64.3986	120.6129	0.0815	1748.0000
5328.5	64.7622	120.6129	0.0846	1752.0000
5329.0	65.2615	130.0098	0.0887	1782.0000
5329.5	66.8390	131.0678	0.1014	1790.0000
5330.0	66.7813	139.5319	0.1009	1784.0000
5330.5	65.9769	134.8413	0.0945	1790.0000
5331.0	66.2077	146.5462	0.0964	1787.0000
5331.5	66.3628	142.3141	0.0976	1756.0000
5332.0	66.7298	144.4275	0.1005	1734.0000
5332.5	67.7856	137.0122	0.1087	1758.0000
5333.0	68.3903	146.0053	0.1132	1758.0000
5333.5	68.6983	147.0034	0.1155	1786.0000
5334.0	68.3979	148.1217	0.1133	1792.0000
5334.5	67.7753	135.4256	0.1086	1809.0000
5335.0	67.1165	131.2041	0.1035	1773.0000
5335.5	67.3529	133.1069	0.1053	1755.0000
5336.0	67.6802	142.5910	0.1079	1759.0000
5336.5	67.3767	149.5748	0.1055	1762.0000
5337.0	67.5285	151.2572	0.1067	1780.0000
5337.5	66.2823	148.6003	0.0970	1793.0000
5338.0	65.9934	141.1943	0.0946	1788.0000
5338.5	66.5064	135.3752	0.0987	1750.0000
5339.0	66.7058	134.3083	0.1003	1758.0000
5339.5	66.9113	134.8909	0.1019	1755.0000
5340.0	66.4896	134.3619	0.0986	1764.0000
5340.5	65.9414	135.9469	0.0942	1749.0000
5341.0	66.6447	147.5996	0.0998	1760.0000
5341.5	67.0233	147.0706	0.1028	1765.0000
5342.0	67.2704	144.8993	0.1047	1785.0000
5342.5	67.4084	137.5765	0.1058	1774.0000
5343.0	67.8273	134.9315	0.1090	1780.0000
5343.5	67.8574	138.2215	0.1092	1765.0000
5344.0	67.7115	133.3619	0.1081	1760.0000
5344.5	68.1763	139.1810	0.1116	1769.0000
5345.0	67.5199	140.2390	0.1066	1766.0000
5345.5	66.4431	143.8891	0.0982	1775.0000
5346.0	67.1867	157.1142	0.1041	1815.0000
5346.5	67.5909	159.7593	0.1072	1798.0000
5347.0	67.7021	157.1142	0.1080	1793.0000
5347.5	68.0721	134.3670	0.1108	1788.0000
5348.0	67.8140	132.7800	0.1089	1748.0000
5348.5	67.3350	130.1350	0.1052	1733.0000
5349.0	67.8747	145.9385	0.1093	1765.0000
5349.5	68.5240	156.5966	0.1142	1772.0000
5350.0	68.9766	165.5897	0.1176	1781.0000
5350.5	68.2392	155.6866	0.1121	1781.0000
5351.0	68.0493	135.0820	0.1107	1784.0000
5351.5	68.1107	132.9660	0.1111	1803.0000
5352.0	68.0418	145.0517	0.1106	1765.0000
5352.5	69.0072	143.3601	0.1178	1762.0000
5353.0	69.3376	142.3021	0.1202	1793.0000
5353.5	67.8844	132.7800	0.1094	1780.0000
5354.0	68.4678	138.0700	0.1138	1782.0000
5354.5	68.6307	142.3021	0.1150	1790.0000
5355.0	68.3871	151.2952	0.1132	1795.0000
5355.5	68.6882	144.4181	0.1155	1761.0000
5356.0	67.6468	132.7800	0.1076	1791.0000
5356.5	67.3896	122.2554	0.1056	1789.0000
5357.0	67.2769	137.5677	0.1048	1783.0000
5357.5	67.8486	156.1455	0.1091	1764.0000
5358.0	68.3496	162.4652	0.1129	1769.0000
5358.5	68.5521	164.0810	0.1144	1768.0000
5359.0	69.1785	155.4319	0.1191	1785.0000
5359.5	69.3984	155.5318	0.1246	1784.0000
5360.0	70.3418	158.7058	0.1274	1790.0000
5360.5	70.6570	164.6474	0.1296	1785.0000
5361.0	70.9233	155.0498	0.1315	1780.0000
5361.5	70.9276	139.1796	0.1315	1778.0000
5362.0	70.9688	128.5995	0.1318	1789.0000
5362.5	70.6124	139.6570	0.1293	1769.0000
5363.0	70.2660	142.8311	0.1269	1775.0000
5363.5	69.6332	141.2441	0.1224	1783.0000
5364.0	69.3819	133.3090	0.1205	1791.0000
5364.5	69.5623	138.4413	0.1219	1790.0000
5365.0	69.9501	144.8509	0.1246	1784.0000
5365.5	70.2939	146.4379	0.1271	1774.0000
5366.0	70.2848	138.0781	0.1270	1756.0000
5366.5	70.0396	135.9594	0.1253	1784.0000
5367.0	69.9091	142.3730	0.1244	1753.0000
5367.5	70.2832	147.0688	0.1270	1776.0000
5368.0	70.3436	153.4918	0.1274	1791.0000
5368.5	70.1187	147.0783	0.1258	1781.0000
5369.0	69.6096	150.3076	0.1222	1766.0000
5369.5	68.8840	143.9266	0.1169	1805.0000
5370.0	68.3822	149.2166	0.1132	1776.0000
5370.5	67.9335	135.3418	0.1098	1772.0000
5371.0	67.6984	130.4800	0.1080	1781.0000
5371.5	67.7454	127.3059	0.1084	1801.0000
5372.0	67.7917	132.2510	0.1087	1800.0000
5372.5	67.4763	131.6687	0.1063	1784.0000
5373.0	67.3332	126.7997	0.1052	1751.0000
5373.5	66.9295	131.6772	0.1021	1800.0000
5374.0	66.6153	139.1365	0.0996	1769.0000
5374.5	67.3701	151.2733	0.1055	1739.0000
5375.0	68.0512	157.6373	0.1107	1752.0000
5375.5	68.2895	158.6953	0.1125	1764.0000
5376.0	68.6418	152.9526	0.1151	1769.0000
5376.5	68.0067	142.8226	0.1103	1794.0000
5377.0	67.4052	138.0616	0.1058	1789.0000
5377.5	67.9329	139.7106	0.1098	1780.0000
5378.0	68.7573	149.1791	0.1160	1766.0000
5378.5	69.1378	145.4761	0.1188	1767.0000
5379.0	68.4888	151.3257	0.1140	1767.0000
5379.5	68.7066	143.9197	0.1156	1774.0000
5380.0	68.9551	146.5093	0.1174	1785.0000
5380.5	69.4197	139.6645	0.1208	1789.0000
5381.0	70.7488	147.5995	0.1303	1794.0000
5381.5	70.8883	151.7658	0.1313	1758.0000
5382.0	69.9098	152.3591	0.1244	1752.0000
5382.5	69.3868	139.1340	0.1206	1748.0000
5383.0	67.3020	142.8929	0.1050	1755.0000
5383.5	67.0905	135.9436	0.1033	1784.0000
5384.0	67.2328	132.8152	0.1044	1810.0000
5384.5	65.4247	117.0103	0.0900	1791.0000
5385.0	67.2246	119.6005	0.1044	1792.0000
5385.5	67.4975	125.3739	0.1065	1769.0000
5386.0	67.7589	135.0980	0.1085	1756.0000
5386.5	69.4534	126.6339	0.1211	1758.0000
5387.0	68.1620	130.2796	0.1115	1750.0000
5387.5	68.0359	131.2534	0.1106	1777.0000
5388.0	68.2617	135.4855	0.1123	1786.0000
5388.5	68.5993	139.6497	0.1148	1799.0000
5389.0	69.6852	142.8317	0.1227	1792.0000

5389.5	69.7431	153.9408	0.1232	1783.0000
5390.0	69.4562	151.4209	0.1211	1757.0000
5390.5	69.8157	144.4181	0.1237	1769.0000
5391.0	69.6684	138.0700	0.1226	1769.0000
5391.5	69.0266	135.4250	0.1179	1762.0000
5392.0	68.5398	130.6640	0.1143	1765.0000
5392.5	68.4249	120.2909	0.1135	1767.0000
5393.0	68.9177	122.3364	0.1171	1768.0000
5393.5	69.0550	121.8074	0.1182	1782.0000
5394.0	69.6122	124.0733	0.1222	1774.0000
5394.5	69.7049	118.3764	0.1229	1792.0000
5395.0	69.2186	127.8985	0.1194	1783.0000
5395.5	68.5526	129.0284	0.1144	1785.0000
5396.0	68.3514	126.9588	0.1129	1801.0000
5396.5	67.9312	125.9008	0.1098	1785.0000
5397.0	66.9679	133.9360	0.1024	1808.0000
5397.5	67.7223	135.4250	0.1082	1809.0000
5398.0	65.5102	129.6569	0.0907	1789.0000
5398.5	62.7149	110.5764	0.0669	1776.0000
5399.0	63.1173	99.5043	0.0705	1783.0000
5399.5	63.4075	96.2794	0.0730	1787.0000
5400.0	65.8364	111.6806	0.0934	1784.0000
5400.5	68.6126	133.2688	0.1149	1775.0000
5401.0	69.6352	145.9023	0.1224	1777.0000
5401.5	67.7384	136.4000	0.1083	1778.0000
5402.0	65.4838	114.7748	0.0905	1809.0000
5402.5	64.6573	102.6229	0.0837	1797.0000
5403.0	63.6561	109.5609	0.0752	1810.0000
5403.5	65.3159	127.5471	0.0891	1774.0000
5404.0	67.0765	131.7212	0.1032	1786.0000
5404.5	67.9681	141.2671	0.1101	1774.0000
5405.0	68.9449	145.4991	0.1173	1749.0000
5405.5	68.7963	155.1266	0.1163	1789.0000
5406.0	69.1568	154.4692	0.1189	1818.0000
5406.5	69.1331	142.9606	0.1187	1806.0000
5407.0	68.6773	131.3728	0.1154	1793.0000
5407.5	68.4354	123.4377	0.1136	1784.0000
5408.0	68.2258	130.6549	0.1120	1775.0000
5408.5	67.6832	144.9559	0.1079	1757.0000
5409.0	68.3604	155.5360	0.1130	1783.0000
5409.5	68.9906	150.7276	0.1177	1791.0000
5410.0	69.1567	137.0073	0.1189	1803.0000
5410.5	70.0629	136.4783	0.1254	1815.0000
5411.0	70.0720	147.0320	0.1255	1810.0000
5411.5	70.7201	159.2296	0.1301	1792.0000
5412.0	70.7389	144.4174	0.1302	1773.0000
5412.5	70.0690	136.0864	0.1255	1769.0000
5413.0	69.5824	131.1431	0.1220	1791.0000
5413.5	68.2194	141.7233	0.1119	1774.0000
5414.0	67.7153	154.9484	0.1081	1787.0000
5414.5	66.5116	144.2843	0.0988	1797.0000
5415.0	66.7496	144.8133	0.1007	1798.0000
5415.5	67.3716	131.5366	0.1055	1806.0000
5416.0	66.5434	136.4315	0.0990	1789.0000
5416.5	67.0655	127.9166	0.1031	1786.0000
5417.0	65.3018	130.6727	0.0890	1781.0000
5417.5	65.1796	127.4987	0.0880	1767.0000
5418.0	65.8941	128.5034	0.0938	1772.0000
5418.5	66.4548	122.7294	0.0983	1764.0000
5419.0	68.2131	125.3745	0.1119	1768.0000
5419.5	69.1376	141.2768	0.1188	1786.0000
5420.0	69.3404	150.7011	0.1202	1810.0000
5420.5	69.4983	165.5132	0.1214	1795.0000
5421.0	67.5683	153.9470	0.1070	1795.0000
5421.5	66.1422	143.3601	0.0958	1790.0000
5422.0	65.5062	132.2510	0.0907	1762.0000
5422.5	65.1595	135.4250	0.0879	1777.0000
5423.0	67.6248	134.3670	0.1074	1798.0000
5423.5	68.1221	132.7253	0.1112	1797.0000
5424.0	67.3052	126.4308	0.1050	1800.0000
5424.5	67.7085	134.3658	0.1081	1798.0000
5425.0	67.6616	129.5620	0.1077	1783.0000
5425.5	68.2926	138.6313	0.1125	1782.0000
5426.0	68.1247	128.0975	0.1112	1758.0000
5426.5	66.0950	127.5698	0.0955	1755.0000
5427.0	64.4735	111.6600	0.0821	1767.0000
5427.5	61.2917	105.7946	0.0540	1786.0000
5428.0	61.4821	106.9488	0.0557	1807.0000
5428.5	64.3648	117.6150	0.0812	1813.0000
5429.0	66.3832	128.1430	0.0978	1801.0000
5429.5	67.2514	137.1969	0.1046	1790.0000
5430.0	66.9805	125.9117	0.1025	1791.0000
5430.5	66.0681	122.2133	0.0952	1769.0000
5431.0	65.3463	128.0396	0.0894	1803.0000
5431.5	66.1593	131.2136	0.0960	1815.0000
5432.0	66.8202	141.1923	0.1012	1819.0000
5432.5	67.1969	131.1843	0.1041	1809.0000
5433.0	67.2919	138.0614	0.1049	1793.0000
5433.5	66.7589	130.8726	0.1007	1785.0000
5434.0	66.6024	130.2324	0.0995	1764.0000
5434.5	66.3602	136.7531	0.0976	1776.0000
5435.0	65.8006	131.3656	0.0931	1785.0000
5435.5	66.2804	130.8366	0.0969	1800.0000
5436.0	66.3276	121.9207	0.0973	1811.0000
5436.5	66.1605	135.6748	0.0960	1823.0000
5437.0	66.9830	132.5008	0.1025	1790.0000
5437.5	67.3756	126.9141	0.1055	1783.0000
5438.0	67.1789	124.3273	0.1040	1778.0000
5438.5	67.4170	125.3853	0.1058	1772.0000
5439.0	67.5612	131.1971	0.1070	1788.0000
5439.5	67.8055	129.6645	0.1088	1802.0000
5440.0	66.8457	141.2366	0.1014	1826.0000
5440.5	66.5266	145.9917	0.0989	1797.0000
5441.0	65.6585	147.6924	0.0919	1823.0000
5441.5	65.3766	134.0042	0.0896	1810.0000
5442.0	66.5065	124.5611	0.0987	1786.0000
5442.5	66.9495	117.5572	0.1022	1769.0000
5443.0	66.9917	128.2617	0.1025	1773.0000
5443.5	67.1323	141.4679	0.1036	1784.0000
5444.0	67.1570	145.6006	0.1038	1781.0000
5444.5	67.5153	139.1823	0.1066	1789.0000
5445.0	68.2058	128.0224	0.1118	1795.0000
5445.5	68.7037	123.8400	0.1156	1786.0000
5446.0	69.2088	134.2986	0.1193	1799.0000
5446.5	69.7678	134.3493	0.1233	1795.0000
5447.0	70.0259	151.7569	0.1252	1778.0000
5447.5	69.9017	148.1212	0.1243	1777.0000
5448.0	68.9842	165.1214	0.1176	1799.0000
5448.5	68.6878	152.8547	0.1154	1795.0000
5449.0	68.2036	150.0911	0.1118	1778.0000
5449.5	67.9867	140.6174	0.1102	1777.0000
5450.0	68.3604	142.8330	0.1130	1802.0000
5450.5	68.2131	140.7789	0.1119	1786.0000
5451.0	68.7478	147.6042	0.1159	1772.0000
5451.5	69.1445	148.6622	0.1188	1773.0000
5452.0	69.6588	149.2479	0.1226	1767.0000
5452.5	70.0856	139.6571	0.1256	1767.0000
5453.0	69.4649	135.9540	0.1211	1773.0000
5453.5	69.2397	140.1861	0.1195	1793.0000
5454.0	68.5492	147.1286	0.1144	1793.0000
5454.5	68.1499	155.2623	0.1114	1840.0000
5455.0	68.3187	153.1463	0.1127	1805.0000
5455.5	68.7209	148.8487	0.1157	1778.0000
5456.0	69.5369	138.5463	0.1217	1778.0000
5456.5	68.5581	144.4328	0.1145	1810.0000
5457.0	68.4411	146.5488	0.1136	1802.0000
5457.5	68.5651	148.6622	0.1145	1792.0000
5458.0	68.7794	145.5479	0.1161	1786.0000
5458.5	69.9626	144.9568	0.1247	1782.0000
5459.0	71.8084	152.8820	0.1376	1792.0000
5459.5	72.1106	151.8214	0.1396	1769.0000
5460.0	71.7097	145.5353	0.1369	1776.0000
5460.5	71.0145	140.7802	0.1321	1791.0000
5461.0	70.8231	159.4343	0.1308	1780.0000
5461.5	70.4122	166.8784	0.1279	1786.0000
5462.0	69.6376	166.9123	0.1224	1802.0000
5462.5	69.8244	154.0223	0.1237	1795.0000
5463.0	69.6452	148.6374	0.1225	1806.0000
5463.5	70.1713	155.0784	0.1262	1808.0000
5464.0	71.2103	150.2479	0.1335	1782.0000
5464.5	71.3172	153.9463	0.1342	1768.0000
5465.0	71.1177	147.5903	0.1329	1788.0000
5465.5	71.1681	143.3583	0.1332	1805.0000
5466.0	71.0952	148.6417	0.1327	1831.0000
5466.5	71.1201	152.8791	0.1329	1832.0000
5467.0	71.5179	156.5821	0.1356	1793.0000
5467.5	71.0038	150.7703	0.1321	1784.0000
5468.0	69.8693	149.7746	0.1241	1773.0000
5468.5	69.4304	155.5937	0.1209	1776.0000
5469.0	69.4387	154.1177	0.1210	1809.0000
5469.5	69.0996	157.2050	0.1185	1803.0000
5470.0	70.0667	151.8878	0.1255	1818.0000
5470.5	69.8052	156.0695	0.1236	1835.0000
5471.0	69.7765	148.6230	0.1234	1819.0000
5471.5	69.3919	147.1246	0.1206	1811.0000
5472.0	69.9351	135.4866	0.1245	1805.0000
5472.5	70.3371	140.2476	0.1274	1764.0000
5473.0	70.4171	138.5397	0.1280	1785.0000
5473.5	70.9767	149.1826	0.1319	1810.0000
5474.0	70.7220	148.6536	0.1301	1844.0000
5474.5	69.0795	135.4450	0.1183	1827.0000
5475.0	68.9239	129.0890	0.1172	1826.0000
5475.5	68.9055	127.3015	0.1171	1784.0000
5476.0	69.3287	139.7594	0.1202	1782.0000
5476.5	70.9982	145.8085	0.1320	1788.0000
5477.0	70.5277	143.7520	0.1287	1773.0000
5477.5	68.7088	138.2361	0.1156	1789.0000
5478.0	68.1299	126.8421	0.1113	1801.0000
5478.5	67.9437	123.8090	0.1099	1790.0000
5479.0	67.8930	132.7800	0.1095	1806.0000
5479.5	69.7142	139.6571	0.1229	1810.0000
5480.0	69.6539	143.3602	0.1225	1816.0000
5480.5	68.8512	142.8311	0.1167	1817.0000
5481.0	68.4879	144.4181	0.1140	1802.0000
5481.5	68.1534	146.5342	0.1115	1805.0000
5482.0	67.9325	142.3590	0.1098	1822.0000
5482.5	66.2875	137.0168	0.0970	1829.0000
5483.0	65.4226	122.6895	0.0900	1802.0000
5483.5	65.6949	117.5586	0.0922	1810.0000
5484.0	66.8120	125.5458	0.1011	1765.0000
5484.5	66.9832	132.9426	0.1025	1768.0000
5485.0	67.4697	129.6453	0.1062	1760.0000
5485.5	67.2165	123.8262	0.1043	1782.0000
5486.0	67.2699	125.4112	0.1047	1788.0000
5486.5	68.6720	139.1362	0.1153	1807.0000
5487.0	68.2256	144.9552	0.1120	1794.0000
5487.5	67.7679	147.1266	0.1085	1805.0000
5488.0	67.9005	147.5921	0.1095	1805.0000
5488.5	67.6824	147.0631	0.1079	1784.0000
5489.0	67.7555	145.4761	0.1084	1764.0000
5489.5	68.5619	137.0120	0.1145	1792.0000
5490.0	68.0189	134.8373	0.1104	1788.0000
5490.5	68.0535	135.9529	0.1107	1823.0000
5491.0	68.7943	131.7691	0.1162	1842.0000
5491.5	68.8027	134.4909	0.1163	1807.0000

5620.0	69.2472	143.4833	0.1196	1824.0000
5620.5	68.6977	138.5991	0.1155	1813.0000
5621.0	68.5562	137.6026	0.1145	1811.0000
5621.5	68.6995	139.1896	0.1155	1797.0000
5622.0	68.8240	142.3382	0.1165	1800.0000
5622.5	68.7530	140.0197	0.1159	1811.0000
5623.0	67.1140	137.1708	0.1035	1788.0000
5623.5	64.5031	122.3841	0.0824	1809.0000
5624.0	64.0694	111.3711	0.0787	1808.0000
5624.5	64.1419	119.1068	0.0793	1820.0000
5625.0	66.5828	134.4480	0.0993	1808.0000
5625.5	68.7349	143.4299	0.1158	1820.0000
5626.0	68.9670	140.1889	0.1175	1810.0000
5626.5	69.4364	138.6019	0.1209	1828.0000
5627.0	69.2786	143.4190	0.1198	1817.0000
5627.5	68.9274	144.4181	0.1172	1863.0000
5628.0	68.5375	149.9826	0.1143	1817.0000
5628.5	68.5166	147.3964	0.1142	1823.0000
5629.0	67.6126	152.6865	0.1073	1809.0000
5629.5	67.6818	142.2569	0.1079	1825.0000
5630.0	67.2916	135.9519	0.1049	1820.0000
5630.5	66.9961	130.1329	0.1026	1794.0000
5631.0	68.0860	144.5201	0.1109	1799.0000
5631.5	67.9603	154.4692	0.1100	1794.0000
5632.0	69.1469	157.1143	0.1188	1803.0000
5632.5	69.4204	155.5272	0.1208	1801.0000
5633.0	69.0145	146.5342	0.1179	1789.0000
5633.5	68.7476	156.5853	0.1159	1803.0000
5634.0	68.6079	153.9402	0.1149	1859.0000
5634.5	69.1595	167.7638	0.1189	1836.0000
5635.0	69.2234	150.8706	0.1194	1827.0000
5635.5	69.8144	146.2274	0.1237	1822.0000
5636.0	69.6526	136.1069	0.1225	1810.0000
5636.5	69.0934	136.0719	0.1184	1824.0000
5637.0	69.2787	147.0632	0.1198	1806.0000
5637.5	69.1939	148.6502	0.1192	1802.0000
5638.0	68.3307	152.9417	0.1128	1805.0000
5638.5	66.9970	136.5426	0.1026	1809.0000
5639.0	64.7287	135.4272	0.0843	1799.0000
5639.5	63.5265	129.6009	0.0740	1822.0000
5640.0	63.5051	131.1879	0.0739	1816.0000
5640.5	65.2670	134.8863	0.0887	1810.0000
5641.0	67.3964	141.5860	0.1057	1790.0000
5641.5	68.7880	143.7020	0.1162	1788.0000
5642.0	68.9568	140.5900	0.1174	1807.0000
5642.5	68.4991	138.6573	0.1140	1816.0000
5643.0	68.9907	147.1214	0.1177	1823.0000
5643.5	68.6662	146.0066	0.1153	1832.0000
5644.0	68.0738	147.0065	0.1109	1835.0000
5644.5	65.9180	142.7744	0.0940	1807.0000
5645.0	64.2575	138.5991	0.0803	1798.0000

5619.5	68.8251	150.2339	0.1165	1824.0000
5619.0	69.2652	151.8209	0.1197	1826.0000
5618.5	69.2948	151.2296	0.1199	1802.0000
5618.0	68.7066	148.1226	0.1156	1815.0000
5617.5	68.4356	142.8326	0.1136	1818.0000
5617.0	68.5882	140.6557	0.1147	1809.0000
5616.5	68.2430	141.7731	0.1121	1819.0000
5616.0	66.2287	133.8380	0.0965	1809.0000
5615.5	65.6088	128.0190	0.0915	1818.0000
5615.0	64.0312	124.8449	0.0784	1820.0000
5614.5	61.8609	127.0119	0.0592	1803.0000
5614.0	62.4341	130.7149	0.0644	1810.0000
5613.5	62.1030	138.6500	0.0614	1788.0000
5613.0	60.8126	130.2166	0.0495	1792.0000
5612.5	61.5729	133.9196	0.0566	1794.0000
5612.0	60.8119	119.5062	0.0495	1816.0000
5611.5	59.8862	133.7659	0.0406	1807.0000
5611.0	58.7653	118.5624	0.0294	1809.0000
5610.5	59.7773	126.6866	0.0395	1811.0000
5610.0	60.3162	131.4536	0.0447	1799.0000
5609.5	64.1935	158.2207	0.0798	1806.0000
5609.0	65.2583	154.9878	0.0887	1802.0000
5608.5	65.1072	152.2787	0.0874	1854.0000
5608.0	63.5375	141.2441	0.0741	1833.0000
5607.5	62.9855	145.4761	0.0693	1818.0000
5607.0	62.7203	150.2372	0.0670	1802.0000
5606.5	61.3905	148.1212	0.0549	1800.0000
5606.0	60.4570	145.0597	0.0461	1787.0000
5605.5	59.9317	132.8411	0.0410	1785.0000
5605.0	59.7357	124.9060	0.0391	1797.0000
5604.5	59.6858	120.6634	0.0386	1795.0000
5604.0	59.2363	120.0844	0.0341	1801.0000
5603.5	57.8934	120.6134	0.0204	1825.0000
5603.0	58.2755	116.8547	0.0244	1817.0000
5602.5	57.6105	111.0936	0.0175	1810.0000
5602.0	57.4907	113.2096	0.0162	1841.0000
5601.5	57.0318	121.6274	0.0113	1818.0000
5601.0	56.1469	128.0190	0.0016	1807.0000
5600.5	59.6653	128.0499	0.0384	1829.0000
5600.0	63.6349	130.6949	0.0750	1811.0000
5599.5	67.1119	128.5789	0.1035	1799.0000
5599.0	69.3114	140.7151	0.1200	1814.0000
5598.5	68.7924	143.8891	0.1162	1792.0000
5598.0	68.7351	151.2952	0.1158	1799.0000
5597.5	68.4263	138.6500	0.1135	1810.0000
5597.0	69.0286	138.0576	0.1180	1788.0000
5596.5	69.1346	135.9416	0.1187	1800.0000
5596.0	69.0872	143.9476	0.1184	1807.0000
5595.5	69.5193	139.6629	0.1215	1810.0000
5595.0	69.7124	143.9558	0.1229	1805.0000
5594.5	69.3228	143.3652	0.1201	1801.0000

5568.5	66.6345	137.5425	0.0997	1824.0000
5569.0	67.5106	147.0527	0.1066	1803.0000
5569.5	67.6697	141.7561	0.1078	1800.0000
5570.0	68.7269	134.8790	0.1157	1797.0000
5570.5	68.5645	121.1420	0.1145	1777.0000
5571.0	67.8176	129.0870	0.1089	1770.0000
5571.5	67.4957	128.5580	0.1064	1801.0000
5572.0	66.5711	131.2599	0.0992	1785.0000
5572.5	66.7595	123.0540	0.1007	1808.0000
5573.0	66.4597	122.5250	0.0984	1801.0000
5573.5	65.9250	123.7869	0.0941	1787.0000
5574.0	65.6426	126.4319	0.0918	1770.0000
5574.5	65.3710	128.5480	0.0896	1781.0000
5575.0	65.7367	126.4319	0.0926	1774.0000
5575.5	66.3719	125.3739	0.0977	1783.0000
5576.0	66.9503	130.6640	0.1022	1811.0000
5576.5	66.9305	132.3052	0.1021	1820.0000
5577.0	67.1190	140.2403	0.1035	1818.0000
5577.5	66.7700	138.0096	0.1008	1795.0000
5578.0	67.0672	142.8370	0.1031	1785.0000
5578.5	68.1518	140.1919	0.1114	1768.0000
5579.0	68.7988	151.2734	0.1163	1783.0000
5579.5	70.4349	150.7430	0.1281	1778.0000
5580.0	70.6301	161.4291	0.1295	1794.0000
5580.5	69.9372	164.2164	0.1246	1801.0000
5581.0	68.7635	159.3362	0.1160	1789.0000
5581.5	66.9241	148.6501	0.1020	1795.0000
5582.0	64.3783	136.4830	0.0813	1793.0000
5582.5	64.3677	135.9540	0.0812	1797.0000
5583.0	65.6163	127.9715	0.0916	1832.0000
5583.5	65.5296	130.6793	0.0909	1815.0000
5584.0	66.7426	140.7304	0.1006	1817.0000
5584.5	65.4670	145.9599	0.0904	1832.0000
5585.0	62.6043	134.3556	0.0659	1829.0000
5585.5	63.0517	117.4275	0.0699	1806.0000
5586.0	64.0062	124.8783	0.0782	1813.0000
5586.5	66.4363	136.4825	0.0982	1805.0000
5587.0	67.8576	151.8617	0.1092	1787.0000
5587.5	68.1613	145.9940	0.1115	1807.0000
5588.0	66.3337	147.1176	0.0974	1783.0000
5588.5	64.9173	140.2025	0.0859	1792.0000
5589.0	64.2397	133.4374	0.0802	1808.0000
5589.5	62.5388	123.2579	0.0653	1798.0000
5590.0	62.1278	122.1999	0.0616	1800.0000
5590.5	63.5845	126.9609	0.0746	1799.0000
5591.0	63.5371	121.1419	0.0741	1790.0000
5591.5	64.5172	125.9029	0.0825	1828.0000
5592.0	66.1587	129.0770	0.0960	1832.0000
5592.5	65.8634	139.1281	0.0936	1798.0000
5593.0	67.1494	134.8419	0.1038	1814.0000
5593.5	69.0887	137.0181	0.1184	1811.0000
5594.0	69.0858	140.2530	0.1184	1795.0000

5542.5	70.4115	133.8401	0.1279	1791.0000
5543.0	69.2799	117.9700	0.1198	1822.0000
5543.5	68.1838	121.1400	0.1117	1810.0000
5544.0	67.5982	132.7927	0.1072	1825.0000
5544.5	67.6407	123.7996	0.1076	1805.0000
5545.0	67.6866	130.5233	0.1079	1801.0000
5545.5	67.0157	126.3693	0.1027	1775.0000
5546.0	66.5711	131.2599	0.0992	1785.0000
5546.5	66.5142	126.1721	0.0988	1780.0000
5547.0	67.5256	123.3875	0.1067	1823.0000
5547.5	68.3723	128.5480	0.1131	1820.0000
5548.0	68.2518	135.9540	0.1122	1817.0000
5548.5	69.3612	132.7800	0.1204	1838.0000
5549.0	68.9609	136.4830	0.1175	1818.0000
5549.5	69.1425	130.1872	0.1188	1811.0000
5550.0	69.6537	142.8187	0.1225	1827.0000
5550.5	69.5421	144.4057	0.1217	1817.0000
5551.0	69.1819	150.1725	0.1191	1816.0000
5551.5	68.7183	142.3570	0.1157	1811.0000
5552.0	67.7233	144.4826	0.1082	1808.0000
5552.5	67.7515	139.2985	0.1084	1814.0000
5553.0	67.8918	143.4756	0.1095	1791.0000
5553.5	67.1435	133.3082	0.1037	1775.0000
5554.0	67.3407	129.0656	0.1053	1791.0000
5554.5	67.5264	124.8335	0.1067	1808.0000
5555.0	67.4893	122.8242	0.1064	1799.0000
5555.5	68.2591	129.0770	0.1122	1822.0000
5556.0	68.6694	142.3021	0.1153	1789.0000
5556.5	68.3261	153.9402	0.1128	1815.0000
5557.0	68.2576	164.5203	0.1122	1800.0000
5557.5	69.1955	147.1127	0.1192	1809.0000
5558.0	69.2470	138.6487	0.1196	1794.0000
5558.5	69.5085	131.7716	0.1215	1786.0000
5559.0	69.0759	137.4843	0.1183	1822.0000
5559.5	68.7233	138.4908	0.1157	1828.0000
5560.0	68.6664	140.0778	0.1153	1810.0000
5560.5	68.5475	143.2479	0.1144	1809.0000
5561.0	69.2648	146.0040	0.1197	1795.0000
5561.5	69.6214	148.6490	0.1223	1782.0000
5562.0	69.5757	150.2340	0.1220	1788.0000
5562.5	69.4388	150.8240	0.1210	1774.0000
5563.0	68.4401	155.5853	0.1136	1799.0000
5563.5	68.1249	152.9433	0.1112	1777.0000
5564.0	67.7593	147.5863	0.1085	1810.0000
5564.5	67.4078	138.9971	0.1058	1815.0000
5565.0	67.5571	139.0208	0.1069	1807.0000
5565.5	67.2018	141.0833	0.1042	1803.0000
5566.0	68.8505	141.9377	0.1167	1797.0000
5566.5	69.5002	138.8549	0.1214	1775.0000
5567.0	69.3972	146.7900	0.1207	1789.0000
5567.5	69.1875	141.2449	0.1191	1806.0000
5568.0	67.2152	141.7746	0.1043	1818.0000

5517.5	72.0859	174.6790	0.1395	1798.0000
5518.0	72.2916	162.9841	0.1408	1835.0000
5518.5	72.2226	160.9376	0.1404	1824.0000
5519.0	71.5931	146.5468	0.1361	1765.0000
5519.5	71.9198	152.2948	0.1383	1773.0000
5520.0	72.1345	141.2275	0.1398	1774.0000
5520.5	72.0465	152.8656	0.1392	1807.0000
5521.0	72.4304	154.4487	0.1418	1789.0000
5521.5	71.5775	155.5093	0.1360	1811.0000
5522.0	71.3411	144.4002	0.1344	1805.0000
5522.5	71.2621	136.0125	0.1339	1840.0000
5523.0	70.2978	135.4258	0.1271	1861.0000
5523.5	71.0738	139.6579	0.1326	1843.0000
5524.0	71.4464	143.9453	0.1351	1806.0000
5524.5	71.6515	151.8242	0.1365	1788.0000
5525.0	71.9736	156.0562	0.1387	1822.0000
5525.5	71.7093	156.8384	0.1369	1818.0000
5526.0	70.6312	155.7804	0.1295	1811.0000
5526.5	69.7663	149.3723	0.1233	1807.0000
5527.0	69.1187	155.0069	0.1186	1826.0000
5527.5	68.7842	152.3619	0.1162	1803.0000
5528.0	69.2126	145.4934	0.1193	1811.0000
5528.5	69.1673	135.9594	0.1190	1807.0000
5529.0	69.4325	134.9014	0.1209	1777.0000
5529.5	69.9769	142.7654	0.1248	1795.0000
5530.0	69.1037	139.9511	0.1185	1799.0000
5530.5	67.2494	127.3342	0.1045	1789.0000
5531.0	66.7536	110.0166	0.1007	1832.0000
5531.5	67.0196	111.7160	0.1028	1831.0000
5532.0	66.7014	134.9130	0.1003	1825.0000
5532.5	66.8043	150.7662	0.1011	1829.0000
5533.0	67.5127	153.9759	0.1066	1826.0000
5533.5	66.3526	140.1222	0.0975	1809.0000
5534.0	67.4686	129.0131	0.1062	1811.0000
5534.5	69.7185	126.3324	0.1230	1798.0000
5535.0	69.7051	124.7908	0.1229	1809.0000
5535.5	70.4774	133.3111	0.1284	1834.0000
5536.0	70.6063	140.2530	0.1293	1826.0000
5536.5	69.7655	147.5867	0.1233	1826.0000
5537.0	69.8651	151.3553	0.1240	1827.0000
5537.5	69.3002	142.8264	0.1200	1798.0000
5538.0	67.9582	132.8004	0.1100	1772.0000
5538.5	67.4640	126.7013	0.1062	1797.0000
5539.0	66.4526	120.3995	0.0983	1833.0000
5539.5	66.0368	125.7911	0.0950	1831.0000
5540.0	67.3915	128.5943	0.1056	1839.0000
5540.5	68.5303	140.1861	0.1143	1836.0000
5541.0	69.9930	138.0701	0.1249	1820.0000
5541.5	70.6272	152.8822	0.1294	1787.0000
5542.0	71.2216	140.1412	0.1336	1785.0000

5645.5	64.5407	124.3160	0.0827	1805.0000
5646.0	65.9349	124.3160	0.0942	1813.0000
5646.5	67.7906	137.0795	0.1087	1793.0000
5647.0	65.7968	149.7757	0.0931	1802.0000
5647.5	63.6794	137.1711	0.0754	1799.0000
5648.0	62.6387	124.4591	0.0662	1807.0000
5648.5	61.5173	116.5240	0.0561	1815.0000
5649.0	63.1878	122.7264	0.0711	1790.0000
5649.5	64.7266	121.1374	0.0843	1800.0000
5650.0	64.5031	121.0664	0.0824	1839.0000
5650.5	64.6002	106.8372	0.0832	1836.0000
5651.0	63.9457	98.4017	0.0777	1833.0000
5651.5	63.8581	106.3368	0.0769	1890.0000
5652.0	64.3867	124.8058	0.0814	1827.0000
5652.5	65.0146	140.1854	0.0867	1825.0000
5653.0	65.9005	142.6299	0.0939	1840.0000
5653.5	65.7579	134.8121	0.0927	1825.0000
5654.0	66.2348	130.9925	0.0966	1825.0000
5654.5	65.9988	119.0259	0.0947	1815.0000
5655.0	66.2364	123.2579	0.0966	1811.0000
5655.5	66.3697	132.2510	0.0977	1828.0000
5656.0	66.1193	137.5411	0.0957	1810.0000
5656.5	67.4029	136.4830	0.1057	1819.0000
5657.0	68.1910	139.1962	0.1117	1826.0000
5657.5	69.1813	144.9552	0.1191	1815.0000
5658.0	69.4439	159.3091	0.1210	1832.0000
5658.5	69.3091	152.8929	0.1200	1822.0000
5659.0	69.0219	156.0630	0.1179	1820.0000
5659.5	68.5694	146.1173	0.1146	1834.0000
5660.0	69.0917	149.8203	0.1184	1863.0000
5660.5	68.6565	145.5350	0.1152	1831.0000
5661.0	69.1872	147.0664	0.1191	1826.0000
5661.5	70.0162	144.9504	0.1251	1822.0000
5662.0	68.7217	145.5373	0.1157	1819.0000
5662.5	67.3396	133.8700	0.1052	1820.0000
5663.0	64.6941	120.1159	0.0840	1834.0000
5663.5	62.3236	106.9501	0.0634	1823.0000
5664.0	61.4189	108.9748	0.0551	1827.0000
5664.5	61.4674	111.0704	0.0556	1822.0000
5665.0	61.5549	104.1934	0.0564	1797.0000
5665.5	61.4337	98.3743	0.0553	1802.0000
5666.0	62.2497	89.9306	0.0627	1807.0000
5666.5	63.6694	93.1047	0.0753	1816.0000
5667.0	64.0236	94.6917	0.0783	1832.0000
5667.5	64.5983	98.8815	0.0832	1840.0000
5668.0	64.5247	102.6275	0.0826	1833.0000
5668.5	64.0271	114.7946	0.0784	1870.0000
5669.0	64.1379	116.9080	0.0793	1832.0000
5669.5	65.1512	119.7210	0.0878	1836.0000
5670.0	66.3300	118.1340	0.0973	1832.0000
5670.5	65.6144	123.9458	0.0916	1822.0000
5671.0	65.3901	129.6075	0.0898	1825.0000
5671.5	64.9531	125.9044	0.0862	1845.0000
5672.0	64.8049	121.1955	0.0849	1864.0000
5672.5	65.6515	124.9031	0.0919	1849.0000
5673.0	66.1788	122.7871	0.0961	1819.0000
5673.5	65.7274	124.3741	0.0925	1820.0000
5674.0	64.6452	109.5038	0.0836	1816.0000
5674.5	63.8794	102.6267	0.0771	1807.0000
5675.0	62.9538	102.6267	0.0690	1807.0000
5675.5	64.1888	105.3289	0.0797	1811.0000
5676.0	65.8863	113.2139	0.0938	1866.0000
5676.5	65.8800	116.4401	0.0937	1849.0000
5677.0	65.6218	117.9700	0.0916	1857.0000
5677.5	65.2630	120.0834	0.0887	1825.0000
5678.0	65.0107	119.0751	0.0866	1845.0000
5678.5	64.9303	118.5461	0.0860	1866.0000
5679.0	64.3794	115.3273	0.0813	1852.0000
5679.5	64.5830	112.1453	0.0831	1884.0000
5680.0	64.9552	121.1384	0.0862	1878.0000
5680.5	65.2655	126.5260	0.0887	1853.0000
5681.0	65.6224	126.9610	0.0916	1824.0000
5681.5	66.6851	124.2627	0.1001	1823.0000
5682.0	65.9791	127.4367	0.0945	1822.0000
5682.5	67.6371	142.6322	0.1075	1815.0000
5683.0	69.2312	151.7057	0.1194	1824.0000
5683.5	70.0458	155.9377	0.1253	1835.0000
5684.0	69.6708	146.0323	0.1226	1851.0000
5684.5	68.1505	139.0733	0.1114	1883.0000
5685.0	68.4793	136.5515	0.1139	1877.0000
5685.5	68.9322	142.8995	0.1173	1847.0000
5686.0	69.5777	153.9263	0.1220	1847.0000
5686.5	71.1672	151.2747	0.1332	1840.0000
5687.0	70.9437	155.4779	0.1317	1829.0000
5687.5	69.9253	148.2684	0.1245	1839.0000
5688.0	68.7732	148.1518	0.1161	1860.0000
5688.5	67.3364	145.0067	0.1128	1836.0000
5689.0	68.9081	143.3601	0.1171	1838.0000
5689.5	68.9884	139.1281	0.1177	1832.0000
5690.0	69.0155	132.1963	0.1179	1825.0000
5690.5	68.9355	137.0208	0.1173	1832.0000
5691.0	68.3457	136.4918	0.1129	1818.0000
5691.5	67.7374	141.7753	0.1083	1827.0000
5692.0	67.4012	125.8853	0.1057	1839.0000
5692.5	67.6489	131.1753	0.1076	1852.0000
5693.0	67.7553	125.3635	0.1084	1832.0000
5693.5	67.5429	138.0925	0.1068	1844.0000
5694.0	67.2110	131.2155	0.1043	1824.0000
5694.5	66.9542	128.6245	0.1023	1847.0000
5695.0	66.6040	122.7289	0.0995	1838.0000
5695.5	65.9319	116.3809	0.0941	1836.0000
5696.0	66.3921	114.3131	0.0978	1852.0000
5696.5	65.7710	113.7841	0.0929	1858.0000
5697.0	65.6728	121.1388	0.0921	1856.0000
5697.5	67.4147	130.6727	0.1058	1867.0000
5698.0	68.4380	132.7888	0.1136	1850.0000
5698.5	68.7803	130.4690	0.1161	1832.0000
5699.0	68.6476	125.2261	0.1151	1828.0000
5699.5	66.5147	119.4070	0.0988	1825.0000
5700.0	66.8383	124.9522	0.1013	1831.0000
5700.5	66.1945	122.2000	0.0963	1852.0000
5701.0	65.7504	123.2580	0.0927	1831.0000
5701.5	66.5290	128.0190	0.0989	1836.0000
5702.0	67.4390	129.1286	0.1060	1855.0000
5702.5	68.9547	135.9489	0.1174	1845.0000
5703.0	70.8609	135.4808	0.1311	1838.0000
5703.5	71.2871	139.9390	0.1340	1848.0000
5704.0	69.9364	143.1091	0.1245	1850.0000
5704.5	69.0533	134.6344	0.1181	1856.0000
5705.0	68.7052	142.8882	0.1156	1861.0000
5705.5	68.6029	150.2153	0.1148	1838.0000
5706.0	69.3864	157.6902	0.1206	1863.0000
5706.5	69.7500	153.9198	0.1232	1845.0000
5707.0	69.1638	133.4282	0.1190	1832.0000
5707.5	68.9270	123.7870	0.1172	1823.0000
5708.0	68.2614	117.4389	0.1123	1841.0000
5708.5	68.1417	120.1043	0.1114	1838.0000
5709.0	67.8176	123.2783	0.1089	1840.0000
5709.5	66.4520	121.1102	0.0983	1860.0000
5710.0	66.0551	124.3154	0.0951	1857.0000
5710.5	65.7245	129.0765	0.0925	1852.0000
5711.0	65.8509	122.1646	0.0935	1848.0000
5711.5	66.4141	120.0950	0.0980	1841.0000
5712.0	66.8503	120.0950	0.1014	1869.0000
5712.5	66.9413	132.2903	0.1022	1850.0000
5713.0	66.8973	135.9489	0.1018	1882.0000
5713.5	67.1181	130.1299	0.1035	1878.0000
5714.0	66.6120	130.1886	0.0996	1885.0000
5714.5	65.7852	130.6640	0.0930	1864.0000
5715.0	66.3756	130.3404	0.0977	1839.0000
5715.5	66.4892	132.5179	0.0986	1820.0000
5716.0	67.6934	138.8660	0.1080	1848.0000
5716.5	69.3905	146.5363	0.1206	1868.0000
5717.0	69.0451	145.4770	0.1181	1853.0000
5717.5	69.1603	139.6579	0.1189	1860.0000
5718.0	69.2692	133.2665	0.1197	1884.0000
5718.5	69.3654	135.9784	0.1204	1881.0000
5719.0	69.4937	141.2685	0.1214	1845.0000
5719.5	68.3890	144.0163	0.1132	1835.0000
5720.0	68.5188	134.3891	0.1142	1865.0000
5720.5	67.7033	137.5632	0.1080	1869.0000
5721.0	66.9236	133.8602	0.1020	1882.0000
5721.5	66.5028	130.6640	0.0987	1922.0000
5722.0	64.6565	117.9184	0.0837	1922.0000
5722.5	65.2607	108.9644	0.0887	1881.0000
5723.0	66.9089	119.6053	0.1019	1831.0000
5723.5	69.2134	121.6667	0.1193	1832.0000
5724.0	69.6587	139.2067	0.1226	1827.0000
5724.5	68.1718	147.0809	0.1116	1873.0000
5725.0	67.1835	152.4164	0.1040	1886.0000
5725.5	67.8815	142.2917	0.1094	1877.0000
5726.0	68.5172	131.4604	0.1142	1862.0000
5726.5	70.2039	132.0481	0.1265	1903.0000
5727.0	70.9221	136.2319	0.1315	1877.0000
5727.5	70.2983	142.8311	0.1271	1844.0000
5728.0	69.8249	141.8313	0.1237	1878.0000
5728.5	69.8620	149.2374	0.1240	1883.0000
5729.0	68.4413	141.7193	0.1136	1902.0000
5729.5	67.9996	139.1260	0.1103	1909.0000
5730.0	67.9745	132.7780	0.1101	1908.0000
5730.5	67.8514	138.5825	0.1092	1878.0000
5731.0	68.9543	133.2792	0.1174	1856.0000
5731.5	70.1605	131.0653	0.1261	1817.0000
5732.0	69.9248	129.0758	0.1245	1832.0000
5732.5	70.2217	141.6752	0.1266	1863.0000
5733.0	70.1839	135.9541	0.1263	1890.0000
5733.5	70.2381	132.2510	0.1267	1898.0000
5734.0	70.3116	133.3745	0.1272	1890.0000
5734.5	70.3807	142.8399	0.1277	1900.0000
5735.5	70.0370	142.8346	0.1253	1869.0000
5735.0	70.2584	146.0741	0.1268	1858.0000
5736.0	70.2926	153.3317	0.1271	1861.0000
5736.5	70.0233	159.6315	0.1252	1888.0000
5737.0	69.8249	153.2835	0.1237	1925.0000
5737.5	70.7294	137.5530	0.1302	1901.0000
5738.0	70.7640	132.2510	0.1304	1911.0000
5738.5	71.9428	131.7220	0.1385	1900.0000
5739.0	72.3174	144.4843	0.1410	1876.0000
5739.5	72.3189	139.7232	0.1410	1844.0000
5740.0	72.3734	141.2555	0.1414	1832.0000
5740.5	71.7453	130.1325	0.1372	1839.0000
5741.0	72.1869	140.7126	0.1401	1883.0000
5741.5	72.7379	152.2671	0.1438	1909.0000
5742.0	73.3684	163.4564	0.1480	1910.0000
5742.5	73.8007	156.0249	0.1507	1888.0000
5743.0	72.2380	136.7205	0.1405	1893.0000
5743.5	70.5351	130.5164	0.1288	1828.0000
5744.0	69.0893	133.1869	0.1184	1853.0000
5744.5	67.8745	132.5275	0.1093	1864.0000
5745.0	67.0293	124.3159	0.1028	1873.0000
5745.5	67.1625	115.3229	0.1039	1900.0000
5746.0	65.5840	122.1999	0.0913	1868.0000
5746.5	65.4367	117.9679	0.0901	1890.0000
5747.0	64.0705	116.8597	0.0787	1877.0000
5747.5	62.1738	107.9083	0.0621	1834.0000

5850.5	71.0602	147.5922	0.1325	1902.0000
5851.0	70.1955	145.0463	0.1264	1898.0000
5851.5	70.0207	147.1623	0.1251	1909.0000
5852.0	69.8987	141.2833	0.1243	1883.0000
5852.5	69.5520	151.8324	0.1218	1882.0000
5853.0	70.3502	146.5423	0.1275	1913.0000
5853.5	68.3732	142.2925	0.1131	1951.0000
5854.0	68.2336	142.3467	0.1121	1938.0000
5854.5	67.5878	135.2092	0.1072	1960.0000
5855.0	68.8609	139.9134	0.1015	1957.0000
5855.5	69.3897	138.7144	0.1206	1916.0000
5856.0	70.9142	137.5411	0.1314	1919.0000
5856.5	71.5885	145.5034	0.1361	1905.0000
5857.0	70.9435	138.9114	0.1316	1877.0000
5857.5	70.9268	142.0356	0.1315	1848.0000
5858.0	69.0993	149.3419	0.1185	1853.0000
5858.5	68.3299	145.9324	0.1128	1873.0000
5859.0	67.3126	145.4532	0.1050	1923.0000
5859.5	66.1747	125.3761	0.0961	1936.0000
5860.0	66.8947	130.1431	0.1018	1920.0000
5860.5	65.5920	116.9180	0.0914	1919.0000
5861.0	65.8596	125.6057	0.0936	1897.0000
5861.5	65.3185	123.9631	0.0892	1884.0000
5862.0	64.9259	135.6013	0.0859	1900.0000
5862.5	65.4385	133.8381	0.0901	1936.0000
5863.0	67.4142	135.9541	0.1058	1947.0000
5863.5	67.3373	130.1351	0.1052	1933.0000
5864.0	65.5861	119.0683	0.0914	1920.0000
5864.5	64.2553	112.1912	0.0803	1890.0000
5865.0	63.7865	111.6085	0.0763	1833.0000
5865.5	67.6023	115.8405	0.1073	1847.0000
5866.0	69.0482	124.8298	0.1181	1878.0000
5866.5	70.4865	134.7948	0.1285	1914.0000
5867.0	70.2996	140.1444	0.1271	1927.0000
5867.5	68.3405	132.8396	0.1129	1894.0000
5868.0	68.6001	126.4915	0.1148	1907.0000
5868.5	68.3765	119.5550	0.1131	1911.0000
5869.0	67.4968	119.0260	0.1065	1915.0000
5869.5	68.1628	124.8450	0.1115	1908.0000
5870.0	67.0567	130.6060	0.1031	1931.0000
5870.5	67.0381	138.0887	0.1029	1945.0000
5871.0	67.3550	137.5596	0.1054	1944.0000
5871.5	67.8148	137.6177	0.1089	1960.0000
5872.0	68.4456	131.1931	0.1136	1918.0000
5872.5	69.0277	126.4320	0.1180	1924.0000
5873.0	69.0542	122.2000	0.1182	1938.0000
5873.5	68.6932	125.3740	0.1155	1886.0000
5874.0	69.1316	134.8961	0.1187	1858.0000
5874.5	68.3374	134.3671	0.1128	1893.0000
5875.0	68.1533	128.5964	0.1111	1931.0000
5875.5	67.4479	120.7477	0.1061	1959.0000
5876.0	67.5637	117.0923	0.1070	1981.0000
5876.5	68.1239	113.3410	0.1112	1959.0000
5877.0	67.9078	122.7146	0.1096	1931.0000
5877.5	68.2622	128.0113	0.1123	1931.0000
5878.0	67.9767	136.4754	0.1101	1905.0000
5878.5	67.7926	140.1738	0.1087	1949.0000
5879.0	68.3732	142.2925	0.1131	1951.0000
5879.5	68.2336	142.3467	0.1121	1938.0000
5880.0	67.5878	135.2092	0.1072	1960.0000
5880.5	66.8609	139.9134	0.1015	1957.0000
5881.0	66.9770	146.2694	0.1024	1944.0000
5881.5	66.4313	142.8400	0.0981	1908.0000
5882.0	66.6540	146.0140	0.0999	1828.0000
5882.5	66.6652	152.3700	0.1000	1866.0000
5883.0	66.6243	152.4234	0.0997	1919.0000
5883.5	67.5492	142.9013	0.1069	1943.0000
5884.0	68.0402	134.7435	0.1106	1951.0000
5884.5	67.2390	132.1488	0.1045	1946.0000
5885.0	66.1847	125.8007	0.0962	1944.0000
5885.5	65.4105	123.2516	0.0899	1926.0000
5886.0	64.3885	131.7262	0.0814	1933.0000
5886.5	65.0918	137.0163	0.0873	1913.0000
5887.0	66.7918	139.6580	0.1010	1934.0000
5887.5	68.4445	135.4207	0.1136	1976.0000
5888.0	68.0346	136.4787	0.1106	1936.0000
5888.5	68.4607	131.1952	0.1138	1977.0000
5889.0	68.8342	132.7842	0.1165	1969.0000
5889.5	69.1170	137.4201	0.1186	1940.0000
5890.0	70.3013	139.0605	0.1271	1885.0000
5890.5	70.3080	139.5320	0.1272	1836.0000
5891.0	70.5541	135.4252	0.1289	1897.0000
5891.5	70.7889	145.4763	0.1306	1935.0000
5892.0	70.9531	151.2953	0.1317	1973.0000
5892.5	69.7068	153.9403	0.1229	1918.0000
5893.0	69.3046	145.4762	0.1200	1945.0000
5893.5	68.3461	141.7732	0.1129	1910.0000
5894.0	67.9717	142.2768	0.1101	1924.0000
5894.5	67.9124	137.5673	0.1096	1903.0000
5895.0	68.1469	131.2192	0.1114	1942.0000
5895.5	68.4085	127.4323	0.1134	1948.0000
5896.0	68.3990	137.5602	0.1133	1941.0000
5896.5	68.7678	131.2122	0.1160	1952.0000
5897.0	68.4066	134.4369	0.1134	1956.0000
5897.5	68.5771	121.1786	0.1146	1940.0000
5898.0	68.3616	129.1137	0.1130	1920.0000
5898.5	68.1696	126.9568	0.1116	1844.0000
5899.0	68.7196	128.4485	0.1157	1859.0000
5899.5	68.3898	124.7455	0.1132	1897.0000
5900.0	68.6530	122.2000	0.1152	1956.0000
5900.5	69.3097	131.7836	0.1200	1978.0000
5901.0	69.6655	138.6019	0.1226	1968.0000

6004.0	69.9519	141.9711	0.1247	1981.0000
6004.5	68.8889	127.6179	0.1169	1975.0000
6005.0	66.4694	128.1469	0.0984	1942.0000
6005.5	64.8852	132.2511	0.0856	1915.0000
6006.0	64.2821	132.7801	0.0805	1900.0000
6006.5	64.2869	131.1931	0.0806	1895.0000
6007.0	64.4217	131.7823	0.0817	1889.0000
6007.5	65.2111	130.7243	0.0883	1917.0000
6008.0	65.5607	126.9744	0.0911	1949.0000
6008.5	65.2613	120.6184	0.0887	1964.0000
6009.0	65.0321	118.7836	0.0868	1931.0000
6009.5	65.4967	126.7087	0.0906	1944.0000
6010.0	65.1363	126.1791	0.0877	1935.0000
6010.5	65.2116	135.9490	0.0883	1925.0000
6011.0	65.9779	132.8317	0.0945	1955.0000
6011.5	66.5225	138.6580	0.0989	1942.0000
6012.0	66.7891	135.6860	0.1010	1967.0000
6012.5	66.9722	133.0409	0.1024	1950.0000
6013.0	66.5918	129.7351	0.0994	1911.0000
6013.5	66.3762	122.4840	0.0977	1911.0000
6014.0	66.6165	125.1291	0.0996	1916.0000
6014.5	67.2073	122.0280	0.1042	1922.0000
6015.0	66.0079	125.3740	0.0948	1920.0000
6015.5	66.9871	122.2489	0.1025	1903.0000
6016.0	65.8311	132.8290	0.0933	1931.0000
6016.5	63.5288	130.0852	0.0741	1964.0000
6017.0	61.5564	124.0437	0.0564	1963.0000
6017.5	59.5847	103.9415	0.0376	1948.0000
6018.0	59.6669	99.7641	0.0384	1949.0000
6018.5	60.2214	105.3243	0.0438	1925.0000
6019.0	61.8098	116.4334	0.0587	1915.0000
6019.5	63.4104	118.0646	0.0730	1923.0000
6020.0	63.6268	124.8450	0.0749	1939.0000
6020.5	63.8950	124.8450	0.0772	1963.0000
6021.0	63.2577	130.9139	0.0717	1958.0000
6021.5	63.6794	126.6509	0.0754	1920.0000
6022.0	64.2252	127.8368	0.0800	1910.0000
6022.5	65.2196	127.1109	0.0884	1917.0000
6023.0	66.6134	126.0838	0.0996	1933.0000
6023.5	67.7169	128.5436	0.1081	1922.0000
6024.0	68.2046	137.0182	0.1118	1903.0000
6024.5	67.7908	138.0762	0.1087	1915.0000
6025.0	67.4312	132.7421	0.1060	1925.0000
6025.5	68.1772	128.5631	0.1116	1945.0000
6026.0	68.2664	131.7610	0.1123	1939.0000
6026.5	67.8298	137.6815	0.1090	1949.0000
6027.0	67.6118	132.8039	0.1073	1923.0000
6027.5	66.1989	133.3091	0.0963	1948.0000
6028.0	65.6899	138.5992	0.0922	1944.0000
6028.5	66.2970	136.7312	0.0971	1934.0000
6029.0	66.4552	136.1468	0.0983	1959.0000

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6157.0	70.1115	125.9340	0.1258	1985.0000
6156.5	70.0537	119.0569	0.1254	1974.0000
6156.0	69.6461	128.0191	0.1225	1959.0000
6155.5	69.7791	135.4252	0.1234	1982.0000
6155.0	69.4768	141.7732	0.1212	1996.0000
6154.5	68.7862	146.0053	0.1162	1991.0000
6154.0	68.5527	147.5923	0.1144	1985.0000
6153.5	68.5111	144.9473	0.1141	1977.0000
6153.0	68.3565	140.8410	0.1130	1982.0000
6152.5	67.7627	141.2541	0.1085	1984.0000
6152.0	66.5174	143.3701	0.0988	1985.0000
6151.5	66.2076	131.7992	0.0964	1972.0000
6151.0	67.0863	132.8969	0.1033	1976.0000
6150.5	67.7996	124.4613	0.1088	1971.0000
6150.0	69.0621	134.4412	0.1182	1982.0000
6149.5	69.0207	135.4543	0.1179	1930.0000
6149.0	67.7346	136.4838	0.1083	1933.0000
6148.5	67.4750	135.4231	0.1063	1941.0000
6148.0	67.0536	140.7000	0.1030	1931.0000
6147.5	67.4778	147.5771	0.1063	1950.0000
6147.0	68.0360	148.5768	0.1106	1969.0000
6146.5	66.8167	136.5440	0.1012	1953.0000
6146.0	66.3425	133.8990	0.0974	1948.0000
6145.5	65.1900	120.0840	0.0881	1957.0000
6145.0	63.7779	120.1585	0.0762	1971.0000
6144.5	63.0464	105.8754	0.0699	1959.0000
6144.0	61.9370	105.9190	0.0599	1957.0000
6143.5	60.0722	92.0904	0.0424	1978.0000
6143.0	60.6879	101.5644	0.0483	1965.0000
6142.5	62.6136	113.6878	0.0660	1964.0000
6142.0	63.4655	129.0832	0.0735	1959.0000
6141.5	65.5343	127.0153	0.0909	1918.0000
6141.0	67.4232	128.6023	0.1059	1959.0000
6140.5	68.0111	129.5729	0.1104	1981.0000
6140.0	69.6465	140.1530	0.1225	1948.0000
6139.5	69.4958	143.3270	0.1214	1943.0000
6139.0	68.8895	151.8243	0.1169	1945.0000
6138.5	68.8226	150.7663	0.1164	1952.0000
6138.0	68.6665	138.5992	0.1153	1958.0000
6137.5	69.2104	126.9611	0.1193	1973.0000
6137.0	68.5330	121.7220	0.1143	1965.0000
6136.5	66.2954	121.6725	0.0971	1976.0000
6136.0	65.8463	129.1394	0.0935	1973.0000
6135.5	65.9392	135.9656	0.0942	1969.0000
6135.0	67.8418	146.4518	0.1091	1982.0000
6134.5	70.5917	149.5650	0.1292	1975.0000
6134.0	71.8480	143.2169	0.1379	1960.0000
6133.5	72.6948	159.7594	0.1435	1977.0000
6133.0	71.7141	154.4694	0.1370	1944.0000
6132.5	71.4035	170.4109	0.1348	1950.0000
6132.0	70.3490	147.6637	0.1275	1930.0000
6131.5	68.7569	142.3736	0.1160	1934.0000
6131.0	68.7277	132.3100	0.1157	1953.0000
6130.5	67.9556	132.7836	0.1100	1950.0000
6130.0	68.9530	139.1317	0.1174	1949.0000
6129.5	70.6152	139.7210	0.1294	1966.0000
6129.0	70.6703	138.9781	0.1297	1964.0000
6128.5	70.2854	132.6301	0.1270	1933.0000
6128.0	69.0817	130.5088	0.1184	1902.0000
6127.5	67.9443	133.8348	0.1099	1922.0000
6127.0	67.7565	140.7118	0.1084	1947.0000
6126.5	67.8665	136.9995	0.1093	1945.0000
6126.0	67.9300	134.9447	0.1098	1958.0000
6125.5	67.3262	126.4806	0.1051	1946.0000
6125.0	67.2346	125.3689	0.1044	1967.0000
6124.5	67.9053	130.6524	0.1096	1920.0000
6124.0	69.1563	134.3554	0.1189	1919.0000
6123.5	70.3663	131.7453	0.1276	1941.0000
6123.0	70.4498	129.0443	0.1282	1916.0000
6122.5	69.8461	131.6894	0.1239	1960.0000
6122.0	69.0012	134.8809	0.1178	1952.0000
6121.5	68.5554	142.7962	0.1145	1953.0000
6121.0	68.9828	155.4923	0.1176	1961.0000
6120.5	69.0209	154.9620	0.1179	1972.0000
6120.0	69.8597	144.9359	0.1240	1969.0000
6119.5	70.1525	123.2467	0.1261	1959.0000
6119.0	69.7175	126.9033	0.1230	1949.0000
6118.5	68.5461	122.2048	0.1144	1955.0000
6118.0	67.2909	121.6758	0.1049	1967.0000
6117.5	67.6379	124.2653	0.1075	1969.0000
6117.0	67.6051	128.4921	0.1073	1968.0000
6116.5	68.4013	130.0791	0.1133	1923.0000
6116.0	69.4037	137.5532	0.1207	1894.0000
6115.5	69.0876	137.0249	0.1184	1916.0000
6115.0	68.9553	137.5539	0.1174	1932.0000
6114.5	68.1189	116.3672	0.1112	1946.0000
6114.0	67.6104	128.5192	0.1073	1960.0000
6113.5	65.2049	136.9833	0.0882	1965.0000
6113.0	63.4889	135.3546	0.0737	1945.0000
6112.5	63.7351	113.7621	0.0759	1941.0000
6112.0	61.2212	101.5950	0.0533	1947.0000
6111.5	61.3110	105.8271	0.0541	1932.0000
6111.0	62.3804	113.7360	0.0639	1935.0000
6110.5	64.2628	127.4901	0.0804	1959.0000
6110.0	69.6518	143.8893	0.1225	1961.0000
6109.5	72.0847	162.4044	0.1395	1966.0000
6109.0	72.2118	164.5204	0.1403	1942.0000
6108.5	71.2844	158.1724	0.1340	1914.0000
6108.0	69.8691	140.1862	0.1241	1894.0000
6107.5	69.6248	140.7152	0.1223	1884.0000
6107.0	68.3177	147.5923	0.1127	1881.0000
6106.5	67.3753	153.1306	0.1055	1934.0000
6106.0	66.8207	119.7920	0.1012	1974.0000
6105.5	66.6719	134.0804	0.1000	1952.0000
6105.0	68.1024	126.4321	0.1111	1986.0000
6104.5	68.8345	124.8451	0.1165	1960.0000
6104.0	69.5768	144.4183	0.1220	1934.0000
6103.5	69.7361	143.8892	0.1231	1926.0000
6103.0	69.8881	146.1403	0.1242	1920.0000
6102.5	70.0494	137.0419	0.1254	1945.0000
6102.0	70.0622	146.5639	0.1254	1960.0000
6101.5	71.4220	144.4426	0.1350	1965.0000
6101.0	71.8068	148.1937	0.1376	1959.0000
6100.5	71.0781	152.4907	0.1326	1943.0000
6100.0	70.9107	140.7730	0.1314	1932.0000
6099.5	70.2086	155.0384	0.1265	1900.0000
6099.0	70.2789	151.7994	0.1270	1931.0000
6098.5	68.6839	154.9774	0.1154	1936.0000
6098.0	66.8935	131.2019	0.1018	1931.0000
6097.5	65.0890	122.2617	0.0873	1965.0000
6097.0	62.6193	112.6854	0.0661	1951.0000
6096.5	64.4965	129.1300	0.0823	1957.0000
6096.0	67.0258	138.0702	0.1028	1948.0000
6095.5	69.4382	160.2884	0.1210	1908.0000
6095.0	70.4451	152.8823	0.1282	1906.0000
6094.5	70.8572	157.4737	0.1310	1931.0000
6094.0	70.5647	160.6477	0.1290	1935.0000
6093.5	69.8989	160.6477	0.1243	1958.0000
6093.0	70.9258	150.2942	0.1315	1960.0000
6092.5	71.3672	138.5967	0.1346	1939.0000
6092.0	71.8478	138.5967	0.1379	1935.0000
6091.5	71.7117	143.4267	0.1369	1922.0000
6091.0	71.1709	149.6997	0.1332	1892.0000
6090.5	70.9864	153.4027	0.1319	1908.0000
6090.0	70.6156	154.3991	0.1294	1950.0000
6089.5	70.4838	148.1261	0.1284	1958.0000
6089.0	70.7256	144.6689	0.1301	1980.0000
6088.5	70.2207	133.0162	0.1266	1965.0000
6088.0	70.1799	145.1682	0.1263	1932.0000
6087.5	70.4633	140.6903	0.1283	1941.0000
6087.0	69.9704	146.5166	0.1248	1935.0000
6086.5	70.4632	141.8301	0.1283	1934.0000
6086.0	71.1361	150.8232	0.1330	1947.0000
6085.5	72.0967	147.5923	0.1395	1952.0000
6085.0	72.7158	146.5343	0.1437	1958.0000
6084.5	73.0210	133.7043	0.1457	1951.0000
6084.0	72.2894	143.2912	0.1408	1934.0000
6083.5	72.2053	132.7111	0.1403	1942.0000
6083.0	71.8172	141.8380	0.1377	1915.0000
6082.5	71.6900	135.4252	0.1368	1901.0000
6082.0	71.4130	146.0053	0.1349	1923.0000
6081.5	71.0135	142.8855	0.1321	1957.0000
6081.0	71.5723	144.9421	0.1360	1943.0000
6080.5	72.0369	144.9421	0.1391	1959.0000
6080.0	72.6625	151.8907	0.1433	1948.0000
6079.5	72.9620	156.9104	0.1453	1942.0000
6079.0	71.7543	139.4533	0.1372	1925.0000
6078.5	71.1083	135.7410	0.1328	1916.0000
6078.0	70.3403	125.3852	0.1274	1923.0000
6077.5	70.7474	136.4943	0.1303	1948.0000
6077.0	71.0222	132.7820	0.1322	1948.0000
6076.5	72.0496	144.9188	0.1392	1936.0000
6076.0	72.6243	141.2158	0.1431	1933.0000
6075.5	73.0248	144.3401	0.1457	1939.0000
6075.0	72.9411	132.8376	0.1452	1915.0000
6074.5	70.6608	134.4247	0.1297	1911.0000
6074.0	70.2449	126.4321	0.1267	1917.0000
6073.5	67.7965	122.2000	0.1087	1933.0000
6073.0	64.9607	115.8520	0.0862	1932.0000
6072.5	63.0599	116.5158	0.0700	1946.0000
6072.0	62.9362	119.1094	0.0689	1945.0000
6071.5	65.2571	130.7475	0.0887	1964.0000
6071.0	68.2557	134.3157	0.1122	1980.0000
6070.5	71.7607	137.0122	0.1373	1956.0000
6070.0	71.8858	135.9541	0.1381	1950.0000
6069.5	71.4612	138.6554	0.1352	1936.0000
6069.0	71.1490	157.6996	0.1331	1927.0000
6068.5	70.6075	143.4956	0.1293	1952.0000
6068.0	70.8808	147.4709	0.1312	1945.0000
6067.5	71.0531	129.5568	0.1324	1939.0000
6067.0	70.8699	140.6449	0.1311	1950.0000
6066.5	70.5425	132.3814	0.1288	1913.0000
6066.0	67.9690	125.4322	0.1101	1881.0000
6065.5	67.1342	126.4320	0.1037	1905.0000
6065.0	66.4694	133.3091	0.0984	1928.0000
6064.5	65.6640	141.7732	0.0920	1959.0000
6064.0	65.6374	129.6948	0.0918	1953.0000
6063.5	65.9471	130.1039	0.0943	1950.0000
6063.0	65.8073	133.8069	0.0931	1935.0000
6062.5	66.7432	142.8225	0.1006	1938.0000
6062.0	69.5443	143.8779	0.1217	1916.0000
6061.5	69.6003	137.5298	0.1221	1902.0000
6061.0	70.5655	133.7625	0.1290	1903.0000
6060.5	71.1304	130.5964	0.1329	1931.0000
6060.0	71.3832	146.4666	0.1347	1960.0000
6059.5	72.2222	158.1888	0.1404	1947.0000
6059.0	71.0118	165.0488	0.1321	1941.0000
6058.5	70.4713	158.1717	0.1283	1941.0000
6058.0	69.2528	151.2774	0.1196	1902.0000
6057.5	67.9330	146.0005	0.1098	1893.0000
6057.0	68.3946	146.5296	0.1133	1908.0000
6056.5	67.9605	134.0055	0.1100	1922.0000
6056.0	67.9775	139.3482	0.1101	1940.0000
6055.5	68.3957	127.7101	0.1133	1957.0000
6055.0	69.2197	134.8804	0.1194	1966.0000
6054.5	69.6909	126.4269	0.1228	1950.0000
6054.0	69.6946	127.4849	0.1228	1933.0000
6053.5	69.1176	135.4299	0.1186	1909.0000
6053.0	68.9258	133.8449	0.1172	1922.0000
6052.5	69.1576	138.6654	0.1189	1956.0000
6052.0	69.5898	138.0762	0.1221	1938.0000
6051.5	70.3336	145.3924	0.1274	1951.0000
6051.0	69.7229	141.6299	0.1230	1941.0000
6050.5	68.6627	135.2818	0.1153	1926.0000
6050.0	68.3602	133.3091	0.1130	1925.0000
6049.5	67.8186	130.6641	0.1089	1907.0000
6049.0	66.2337	116.9100	0.0966	1874.0000
6048.5	65.0715	100.5108	0.0871	1939.0000
6048.0	64.6402	107.3879	0.0835	1971.0000
6047.5	64.4331	112.7189	0.0818	1961.0000
6047.0	63.8165	134.4081	0.0766	1952.0000
6046.5	64.2264	122.8156	0.0801	1948.0000
6046.0	63.6123	121.6771	0.0748	1936.0000
6045.5	62.8312	110.0389	0.0680	1955.0000
6045.0	62.5628	111.6757	0.0656	1932.0000
6044.5	62.6888	114.8110	0.0667	1955.0000
6044.0	63.7869	111.1080	0.0763	1961.0000
6043.5	65.4461	121.6536	0.0902	1955.0000
6043.0	67.8624	126.9718	0.1093	1933.0000
6042.5	69.6416	136.4939	0.1224	1927.0000
6042.0	70.7038	142.3885	0.1300	1933.0000
6041.5	71.3565	152.3645	0.1345	1939.0000
6041.0	71.2923	154.4805	0.1341	1918.0000
6040.5	71.1550	157.0606	0.1331	1906.0000
6040.0	70.3357	148.1412	0.1274	1920.0000
6039.5	69.7183	140.2061	0.1230	1930.0000
6039.0	68.8736	127.4941	0.1168	1923.0000
6038.5	67.8704	132.8356	0.1093	1946.0000
6038.0	67.8315	135.4807	0.1090	1965.0000
6037.5	67.1082	139.6572	0.1035	1936.0000
6037.0	67.4650	136.4831	0.1062	1947.0000
6036.5	67.8925	137.5412	0.1095	1941.0000
6036.0	66.9607	126.4875	0.1023	1942.0000
6035.5	67.3494	123.8934	0.1053	1935.0000
6035.0	67.1062	120.7722	0.1034	1934.0000
6034.5	67.5673	134.9353	0.1070	1934.0000
6034.0	67.9347	135.9424	0.1098	1944.0000
6033.5	68.2500	130.6921	0.1122	1924.0000
6033.0	67.1471	130.1000	0.1038	1922.0000
6032.5	66.6837	133.2740	0.1001	1913.0000
6032.0	66.1054	145.4099	0.0955	1930.0000
6031.5	66.4814	142.8320	0.0985	1927.0000
6031.0	67.5591	154.9991	0.1069	1922.0000
6030.5	67.4578	141.2278	0.1062	1926.0000
6030.0	67.6704	137.0010	0.1078	1923.0000
6029.5	66.8207	119.7920	0.1012	1974.0000

6157.5	70.8771	139.6881	0.1312	1950.0000
6158.0	71.5915	143.3602	0.1361	1942.0000
6158.5	71.2523	147.5276	0.1338	1983.0000
6159.0	70.5279	142.8241	0.1287	1965.0000
6159.5	70.1354	148.6432	0.1260	1967.0000
6160.0	69.6480	145.4731	0.1225	1973.0000
6160.5	69.9404	141.2358	0.1246	1964.0000
6161.0	69.5941	137.5327	0.1221	1986.0000
6161.5	69.2020	133.3060	0.1192	1976.0000
6162.0	68.9417	135.3626	0.1173	1966.0000
6162.5	68.3220	136.4206	0.1127	1974.0000
6163.0	69.6022	142.1699	0.1221	1986.0000
6163.5	69.8525	143.7346	0.1239	1958.0000
6164.0	70.1405	140.6326	0.1260	1969.0000
6164.5	70.0050	139.6998	0.1250	1959.0000
6165.0	68.4420	140.2583	0.1136	1940.0000
6165.5	65.9552	143.8892	0.0943	1969.0000
6166.0	64.2506	133.8382	0.0803	1944.0000
6166.5	63.3887	131.1931	0.0729	1927.0000
6167.0	63.3981	123.7870	0.0729	1968.0000
6167.5	65.4108	129.6061	0.0899	1969.0000
6168.0	66.3235	133.3091	0.0973	1963.0000
6168.5	67.4326	139.6929	0.1060	1971.0000
6169.0	68.3053	139.1639	0.1126	1958.0000
6169.5	68.6225	139.6929	0.1150	1944.0000
6170.0	69.2855	133.8381	0.1198	1940.0000
6170.5	69.2397	141.7732	0.1195	1918.0000
6171.0	69.1419	137.5954	0.1188	1950.0000
6171.5	67.7502	134.3732	0.1084	1952.0000
6172.0	66.0880	127.5530	0.0954	1946.0000
6172.5	65.9411	121.6797	0.0942	1973.0000
6173.0	65.3025	130.6853	0.0890	1967.0000
6173.5	65.3648	126.9254	0.0895	1964.0000
6174.0	65.6036	133.2735	0.0915	1960.0000
6174.5	64.7550	127.9663	0.0845	1928.0000
6175.0	64.7858	130.1922	0.0848	1948.0000
6175.5	63.4964	118.5541	0.0738	1966.0000
6176.0	64.1999	107.9477	0.0798	1953.0000
6176.5	65.4698	101.5838	0.0904	1958.0000
6177.0	66.0052	113.7509	0.0947	1947.0000
6177.5	66.7069	123.2493	0.1003	1926.0000
6178.0	66.1277	121.1279	0.0957	1931.0000
6178.5	64.7327	122.1860	0.0843	1956.0000
6179.0	64.6290	120.1727	0.0834	1976.0000
6179.5	65.3057	125.3740	0.0891	1991.0000
6180.0	66.3483	117.9679	0.0975	1936.0000
6180.5	67.3167	123.8432	0.1051	1968.0000
6181.0	67.9552	131.9533	0.1100	1934.0000
6181.5	67.2196	135.6563	0.1043	1948.0000
6182.0	67.3036	129.7811	0.1050	1951.0000
6182.5	67.3890	121.1420	0.1056	1972.0000
6183.0	66.8151	124.3160	0.1012	1939.0000
6183.5	68.0406	132.2511	0.1106	1938.0000
6184.0	67.8245	132.2511	0.1090	1942.0000
6184.5	67.0828	121.1420	0.1033	1986.0000
6185.0	65.8201	118.5303	0.0932	1916.0000
6185.5	66.1399	118.5303	0.0958	1923.0000
6186.0	65.5502	127.5233	0.0911	1948.0000
6186.5	65.7356	130.1351	0.0926	1971.0000
6187.0	67.2787	127.4900	0.1048	2002.0000
6187.5	67.6980	125.3740	0.1080	1967.0000
6188.0	68.4539	127.4900	0.1137	1978.0000
6188.5	69.2618	140.1862	0.1197	1976.0000
6189.0	69.8124	150.7023	0.1237	1951.0000
6189.5	69.7858	152.9467	0.1235	1960.0000
6190.0	69.1931	150.3017	0.1192	1977.0000
6190.5	68.8030	152.8763	0.1163	1972.0000
6191.0	68.6315	145.3347	0.1150	1952.0000
6191.5	68.6611	145.8637	0.1153	1977.0000
6192.0	69.4475	138.0056	0.1210	1993.0000
6192.5	68.4475	132.8194	0.1137	1986.0000
6193.0	68.4462	129.0609	0.1136	1997.0000
6193.5	68.9259	124.3058	0.1172	1982.0000
6194.0	68.7122	134.9124	0.1156	1975.0000
6194.5	69.7862	134.9678	0.1235	1989.0000
6195.0	69.6139	143.8872	0.1222	1965.0000
6195.5	69.6122	138.0536	0.1222	1953.0000
6196.0	70.3555	140.1696	0.1275	1993.0000
6196.5	70.8179	131.8307	0.1308	1985.0000
6197.0	70.6201	136.4831	0.1294	1982.0000
6197.5	70.0965	139.6572	0.1257	1988.0000
6198.0	69.7514	138.4629	0.1232	1977.0000
6198.5	68.1317	127.9298	0.1113	1983.0000
6199.0	68.5332	126.8718	0.1143	1965.0000
6199.5	69.1095	134.9431	0.1186	1952.0000
6200.0	69.9118	146.5342	0.1244	1981.0000
6200.5	70.7851	139.6572	0.1305	1981.0000
6201.0	70.3183	129.0771	0.1273	1967.0000
6201.5	70.5292	116.3810	0.1288	1992.0000
6202.0	70.9182	119.5550	0.1315	1998.0000
6202.5	70.8374	126.4883	0.1309	1989.0000
6203.0	70.6099	137.5617	0.1293	1997.0000
6203.5	70.2172	138.0907	0.1265	1991.0000
6204.0	69.9664	134.8605	0.1248	1981.0000
6204.5	69.3017	122.2000	0.1200	1986.0000
6205.0	69.1908	126.3701	0.1192	2002.0000
6205.5	68.7944	124.8333	0.1162	1978.0000
6206.0	68.8547	131.1814	0.1167	1994.0000
6206.5	68.7536	117.9727	0.1159	1984.0000
6207.0	68.9868	124.3870	0.1177	1974.0000
6207.5	69.5891	127.5278	0.1220	1965.0000
6208.0	70.5275	145.4916	0.1287	1951.0000
6208.5	71.0885	150.2002	0.1327	1985.0000
6209.0	72.7879	166.1036	0.1442	1994.0000
6209.5	73.1588	157.6501	0.1466	1976.0000
6210.0	72.9537	147.0568	0.1452	1989.0000
6210.5	72.5729	126.9546	0.1427	2005.0000
6211.0	71.5976	124.8412	0.1362	2009.0000
6211.5	71.8038	128.5489	0.1376	1981.0000
6212.0	72.0422	146.0060	0.1392	1994.0000
6212.5	72.2210	157.1699	0.1404	1972.0000
6213.0	71.9717	163.4624	0.1387	1989.0000
6213.5	71.7915	156.0564	0.1375	1974.0000
6214.0	71.7119	147.5923	0.1369	1976.0000
6214.5	71.9801	147.6557	0.1388	1957.0000
6215.0	72.5108	151.3588	0.1423	1966.0000
6215.5	72.9457	154.2841	0.1452	1978.0000
6216.0	72.4140	149.9886	0.1417	1967.0000
6216.5	71.9426	143.1116	0.1385	1952.0000
6217.0	72.3060	141.2442	0.1409	1928.0000
6217.5	71.5551	144.4182	0.1359	1965.0000
6218.0	72.0463	155.0704	0.1392	1991.0000
6218.5	71.7016	148.6709	0.1369	1964.0000
6219.0	71.5392	146.6144	0.1358	1986.0000
6219.5	72.5459	143.8287	0.1425	1932.0000
6220.0	72.6915	150.8174	0.1435	1943.0000
6220.5	73.2624	161.5059	0.1473	1957.0000
6221.0	73.3855	147.8203	0.1481	1953.0000
6221.5	73.1597	145.1151	0.1466	1967.0000
6222.0	72.9776	138.0702	0.1454	2011.0000
6222.5	71.9732	152.2841	0.1387	1991.0000
6223.0	71.0196	144.9733	0.1322	1978.0000
6223.5	71.0821	143.3863	0.1326	1993.0000
6224.0	71.5708	133.8188	0.1360	1986.0000
6224.5	72.7108	151.3197	0.1436	1988.0000
6225.0	74.0472	147.6167	0.1523	2001.0000
6225.5	73.2481	152.9574	0.1472	1991.0000
6226.0	73.1854	138.5868	0.1468	1967.0000
6226.5	72.1693	139.1158	0.1400	1993.0000
6227.0	71.3434	132.8365	0.1344	1978.0000
6227.5	71.1213	131.8275	0.1329	1969.0000
6228.0	69.7609	126.5375	0.1233	1974.0000
6228.5	70.4719	122.3007	0.1283	1977.0000
6229.0	70.7364	120.0840	0.1302	1949.0000
6229.5	72.1812	126.4321	0.1401	1994.0000
6230.0	73.6078	131.2500	0.1495	1973.0000
6230.5	73.3796	142.3591	0.1480	1994.0000
6231.0	73.2308	145.0041	0.1471	1958.0000
6231.5	72.0045	144.4182	0.1389	1944.0000
6232.0	70.7613	134.5493	0.1304	1965.0000
6232.5	69.9355	127.1432	0.1245	1957.0000
6233.0	69.5436	126.0852	0.1217	1967.0000
6233.5	69.3475	134.8962	0.1203	1974.0000
6234.0	69.2273	138.0702	0.1194	1956.0000
6234.5	69.4688	137.5954	0.1212	1977.0000
6235.0	68.6791	145.5305	0.1154	1967.0000
6235.5	69.8000	155.5117	0.1236	1968.0000
6236.0	69.3183	163.4566	0.1201	1958.0000
6236.5	69.4289	150.2315	0.1209	1965.0000
6237.0	69.3722	145.4126	0.1205	1969.0000
6237.5	68.5871	132.2187	0.1147	1991.0000
6238.0	68.6897	135.3927	0.1155	1998.0000
6238.5	67.2931	127.4774	0.1049	1981.0000
6239.0	66.9069	126.4167	0.1019	1983.0000
6239.5	67.0040	115.3338	0.1026	1977.0000
6240.0	67.9352	127.9983	0.1098	1959.0000
6240.5	68.2813	127.9983	0.1124	1952.0000
6241.0	69.7769	133.7912	0.1234	1939.0000
6241.5	69.9665	121.2347	0.1248	1942.0000
6242.0	69.4247	128.5481	0.1209	1997.0000
6242.5	69.5439	132.7801	0.1217	1982.0000
6243.0	68.9712	126.9611	0.1175	1976.0000
6243.5	67.9654	135.9542	0.1100	1993.0000
6244.0	67.6705	134.3671	0.1078	1981.0000
6244.5	67.1536	143.8186	0.1038	1976.0000
6245.0	67.6212	129.5355	0.1074	1966.0000
6245.5	68.2911	139.0576	0.1125	1963.0000
6246.0	68.4156	138.0702	0.1134	1957.0000
6246.5	69.3473	149.7083	0.1203	1996.0000
6247.0	68.5036	147.5923	0.1141	1999.0000
6247.5	68.2748	143.3602	0.1124	1993.0000
6248.0	68.3078	139.1864	0.1126	1967.0000
6248.5	67.2599	129.0339	0.1046	1958.0000
6249.0	67.1270	129.6688	0.1036	1977.0000
6249.5	67.0857	131.7266	0.1033	1977.0000
6250.0	66.4526	134.3651	0.0983	1985.0000
6250.5	66.6458	142.8503	0.0998	1985.0000
6251.0	66.0385	131.7412	0.0950	1984.0000
6251.5	65.5718	123.3069	0.0912	2006.0000
6252.0	64.6287	113.7610	0.0834	1991.0000
6252.5	64.2683	113.2320	0.0804	1982.0000
6253.0	63.8002	112.7383	0.0764	1969.0000
6253.5	63.1817	113.2163	0.0710	1950.0000
6254.0	63.4447	121.1514	0.0733	1968.0000
6254.5	63.9127	128.6003	0.0774	1986.0000
6255.0	65.3752	129.6061	0.0896	2006.0000
6255.5	65.4076	139.1282	0.0899	2022.0000
6256.0	66.0566	139.6572	0.0952	1993.0000
6256.5	65.7885	132.2511	0.0930	1977.0000
6257.0	64.5701	123.2580	0.0830	1982.0000
6257.5	65.1397	118.9975	0.0877	1953.0000
6258.0	65.3109	117.4528	0.0891	1966.0000
6258.5	65.6596	117.3961	0.0919	1997.0000
6259.0	66.0590	123.2985	0.0952	1989.0000
6259.5	66.3276	130.1333	0.0973	1988.0000

6413.0	73.5558	154.5957	0.1492	2018.0000
6412.5	73.7977	153.4188	0.1507	2031.0000
6412.0	73.5355	146.5417	0.1490	2035.0000
6411.5	73.8890	141.3047	0.1513	2044.0000
6411.0	74.5307	139.1354	0.1554	2053.0000
6410.5	75.0216	142.3095	0.1585	2042.0000
6410.0	75.5109	144.0305	0.1615	2073.0000
6409.5	75.9724	150.4905	0.1643	2042.0000
6409.0	76.3370	152.0775	0.1665	2031.0000
6408.5	75.6483	152.8824	0.1623	2037.0000
6408.0	75.1443	139.6573	0.1592	2032.0000
6407.5	74.1157	134.8962	0.1528	2014.0000
6407.0	72.6096	126.4321	0.1430	2039.0000
6406.5	72.1469	131.1932	0.1399	2051.0000
6406.0	72.3191	131.7811	0.1410	2046.0000
6405.5	72.0415	140.1825	0.1392	2063.0000
6405.0	70.8921	130.6604	0.1313	2041.0000
6404.5	68.8709	124.3554	0.1168	2033.0000
6404.0	68.3893	119.0161	0.1132	2059.0000
6403.5	66.8245	125.8931	0.1012	2035.0000
6403.0	67.7864	125.3628	0.1087	2060.0000
6402.5	70.5427	132.7504	0.1288	2048.0000
6402.0	71.0768	136.9825	0.1326	2059.0000
6401.5	72.6939	137.4617	0.1435	2053.0000
6401.0	73.9900	133.7121	0.1520	2038.0000
6400.5	73.3010	131.5961	0.1475	2037.0000
6400.0	74.0075	131.5451	0.1521	2028.0000
6399.5	73.8239	130.6642	0.1509	2033.0000
6399.0	74.0314	138.6621	0.1522	2018.0000
6398.5	74.1516	155.5184	0.1530	2010.0000
6398.0	73.9319	158.1634	0.1516	2062.0000
6397.5	73.9311	161.9387	0.1516	2050.0000
6397.0	73.5490	147.6734	0.1491	2030.0000
6396.5	73.3772	149.2604	0.1480	2030.0000
6396.0	72.9861	147.1390	0.1455	2060.0000
6395.5	72.6644	149.1958	0.1433	2039.0000
6395.0	72.9266	144.4348	0.1451	2034.0000
6394.5	72.9272	136.4799	0.1451	2013.0000
6394.0	73.4363	136.4799	0.1484	2025.0000
6393.5	73.8963	148.7210	0.1514	2034.0000
6393.0	73.9592	152.8432	0.1518	2043.0000
6392.5	73.8470	153.2343	0.1510	2047.0000
6392.0	72.8098	146.2831	0.1443	2021.0000
6391.5	71.4140	139.4061	0.1349	2037.0000
6391.0	70.1081	131.7222	0.1258	2057.0000
6390.5	70.0228	125.4317	0.1252	2049.0000
6390.0	69.8914	130.1927	0.1242	2043.0000
6389.5	70.4866	139.7148	0.1285	2036.0000
6389.0	71.5221	140.8332	0.1356	2043.0000
6388.5	71.5985	145.4677	0.1362	2028.0000
6388.0	71.2163	148.6417	0.1335	2044.0000
6387.5	71.2915	142.2267	0.1341	2026.0000
6387.0	71.1111	136.4781	0.1328	2037.0000
6386.5	71.0782	134.8911	0.1326	2049.0000
6386.0	70.3570	142.3064	0.1275	2030.0000
6385.5	70.1994	140.7214	0.1264	2027.0000
6385.0	69.6174	143.8954	0.1223	2011.0000
6384.5	69.5668	144.3642	0.1219	2011.0000
6384.0	71.0813	150.2374	0.1326	2005.0000
6383.5	72.1970	151.8244	0.1402	2024.0000
6383.0	71.9489	146.0054	0.1385	2033.0000
6382.5	71.8528	147.0634	0.1379	2039.0000
6382.0	71.8231	141.7523	0.1377	2035.0000
6381.5	71.3437	147.9778	0.1344	2013.0000
6381.0	71.7485	152.2099	0.1372	2033.0000
6380.5	71.5674	155.0043	0.1360	2017.0000
6380.0	70.6167	155.0043	0.1294	2014.0000
6379.5	69.7233	140.5396	0.1230	2042.0000
6379.0	67.6744	134.5138	0.1078	2031.0000
6378.5	67.6744	131.8754	0.1078	2038.0000
6378.0	67.8373	145.2822	0.1091	2036.0000
6377.5	68.6775	142.7689	0.1154	2060.0000
6377.0	70.1014	144.4119	0.1257	2031.0000
6376.5	70.1935	145.4699	0.1264	2019.0000
6376.0	70.4459	151.2962	0.1282	2026.0000
6375.5	70.6822	142.8922	0.1298	2007.0000
6375.0	70.2475	124.9060	0.1268	2014.0000
6374.5	70.6238	125.3128	0.1294	2007.0000
6374.0	70.6624	131.1888	0.1297	2000.0000
6373.5	71.7682	147.6492	0.1373	2005.0000
6373.0	71.4721	139.1283	0.1353	2017.0000
6372.5	70.8058	127.0194	0.1307	2028.0000
6372.0	70.1968	132.2487	0.1264	2023.0000
6371.5	69.4359	136.4587	0.1209	2031.0000
6371.0	68.9992	128.4957	0.1170	1993.0000
6370.5	69.8621	138.6384	0.1240	2021.0000
6370.0	70.1420	137.5343	0.1260	2015.0000
6369.5	70.7354	138.9395	0.1302	2019.0000
6369.0	70.6773	134.0566	0.1298	2028.0000
6368.5	68.0884	122.5252	0.1110	2006.0000
6368.0	67.9156	136.4833	0.1097	2040.0000
6367.5	68.2187	142.8313	0.1119	2022.0000
6367.0	69.0201	149.7084	0.1179	2032.0000
6366.5	70.3948	138.5993	0.1278	2027.0000
6366.0	69.7147	130.6542	0.1191	1999.0000
6365.5	68.3376	137.0123	0.1128	2038.0000
6365.0	67.5482	133.3092	0.1069	2023.0000
6364.5	68.6881	132.7802	0.1155	2023.0000
6364.0	69.8412	128.0192	0.1239	2009.0000
6363.5	70.5927	134.4877	0.1292	1993.0000
6363.0	71.3989	135.4377	0.1348	2008.0000
6362.5	71.8730	139.1407	0.1380	2009.0000

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6336.5	69.2132	130.6121	0.1193	2021.0000
6337.0	69.4302	128.0286	0.1209	2002.0000
6337.5	69.7649	137.0217	0.1233	2014.0000
6338.0	71.7155	143.8901	0.1370	2000.0000
6338.5	72.1672	146.0731	0.1400	2008.0000
6339.0	72.4546	144.4307	0.1419	2009.0000
6339.5	73.1878	140.7322	0.1468	2014.0000
6340.0	73.0235	137.4899	0.1457	2010.0000
6340.5	72.0738	148.1942	0.1394	1998.0000
6341.0	70.4553	152.6826	0.1282	2005.0000
6341.5	67.5280	150.5064	0.1067	1996.0000
6342.0	66.4206	136.1545	0.0981	2006.0000
6342.5	65.2589	131.1932	0.0887	2014.0000
6343.0	65.2750	124.3161	0.0888	2024.0000
6343.5	67.0085	132.7802	0.1027	2033.0000
6344.0	67.3330	130.6642	0.1052	1997.0000
6344.5	68.0075	134.9505	0.1104	2011.0000
6345.0	68.8992	128.4957	0.1170	1993.0000
6345.5	69.9988	132.3139	0.1250	1994.0000
6346.0	71.1551	132.2597	0.1331	1990.0000
6346.5	71.9677	127.5105	0.1387	2013.0000
6347.0	72.0273	137.0564	0.1391	2014.0000
6347.5	71.7000	143.4045	0.1369	2033.0000
6348.0	71.5022	155.6038	0.1355	2042.0000
6348.5	70.8316	137.5256	0.1309	2034.0000
6349.0	71.3467	136.4676	0.1344	2010.0000
6349.5	71.2459	132.8272	0.1337	2018.0000
6350.0	70.1760	140.1863	0.1263	1992.0000
6350.5	69.9779	131.7222	0.1248	2018.0000
6351.0	69.4430	127.4902	0.1210	2010.0000
6351.5	69.6772	132.2512	0.1227	2027.0000
6352.0	70.2645	137.0123	0.1269	2051.0000
6352.5	68.9808	131.7685	0.1176	2022.0000
6353.0	67.8511	128.5365	0.1092	2022.0000
6353.5	66.9377	116.8568	0.1021	2030.0000
6354.0	65.8911	112.9340	0.0938	2036.0000
6354.5	66.1662	111.9340	0.0960	2015.0000
6355.0	67.1949	114.0474	0.1041	2011.0000
6355.5	67.6235	123.3199	0.1074	1996.0000
6356.0	69.4700	132.3130	0.1212	2001.0000
6356.5	70.6722	157.2204	0.1298	2023.0000
6357.0	71.0537	158.7015	0.1324	2014.0000
6357.5	71.2381	156.5855	0.1337	2032.0000
6358.0	71.1157	137.0123	0.1328	2030.0000
6358.5	71.3884	154.4694	0.1347	1996.0000
6359.0	72.0814	157.6435	0.1394	2016.0000
6359.5	73.1322	162.4045	0.1464	2006.0000
6360.0	71.5539	147.7685	0.1359	2002.0000
6360.5	70.2760	146.5748	0.1270	2030.0000
6361.0	69.6172	135.5518	0.1223	2041.0000
6361.5	69.2985	136.4336	0.1199	2018.0000
6362.0	71.2478	125.3522	0.1338	2055.0000
6362.5	71.2915	142.2267	0.1341	2026.0000
6363.0	71.1111	136.4781	0.1328	2037.0000
6363.5	71.5958	154.5957	0.1492	2018.0000
6364.0	72.4669	157.3505	0.1420	1978.0000
6364.5	73.0158	153.0105	0.1457	1991.0000
6365.0	72.8450	155.6555	0.1445	2008.0000
6365.5	72.4977	142.3015	0.1422	1991.0000
6366.0	72.5277	139.1354	0.1424	1982.0000
6366.5	73.1322	162.4045	0.1464	2006.0000
6367.0	73.1157	137.0123	0.1328	2030.0000
6367.5	73.3881	156.5855	0.1337	2032.0000
6368.0	73.2381	141.7523	0.1377	2035.0000
6368.5	73.0537	158.7015	0.1324	2014.0000
6369.0	72.0012	131.7003	0.1250	2014.0000
6369.5	71.0086	136.4640	0.1328	1999.0000
6370.0	70.5775	131.7701	0.1291	1984.0000
6370.5	70.1262	130.1830	0.1259	1990.0000
6371.0	70.2239	131.1378	0.1266	1955.0000
6371.5	70.6639	134.3672	0.1297	1991.0000
6372.0	70.2283	137.4875	0.1194	1981.0000
6372.5	68.5792	134.4294	0.1146	1981.0000
6373.0	68.1026	127.4902	0.1111	2014.0000
6373.5	69.2196	129.0772	0.1194	2018.0000
6374.0	70.3402	142.3023	0.1274	2015.0000
6374.5	70.4390	141.7733	0.1281	2005.0000
6375.0	69.8309	140.1863	0.1238	2013.0000
6375.5	69.4671	133.3092	0.1212	2013.0000
6376.0	68.1775	139.1884	0.1116	2000.0000
6376.5	67.9861	144.4204	0.1102	2000.0000
6377.0	68.1200	138.0724	0.1112	1996.0000
6377.5	67.1883	144.4967	0.1041	1998.0000
6378.0	67.5243	134.4127	0.1067	2006.0000
6378.5	67.0393	133.3547	0.1029	2003.0000
6379.0	65.1121	114.2628	0.0875	2000.0000
6379.5	65.4657	116.3324	0.0904	2003.0000
6380.0	66.6254	120.5645	0.0997	2014.0000
6380.5	66.1476	125.7658	0.0959	2000.0000
6381.0	67.3179	130.1352	0.1051	2014.0000
6381.5	71.9677	127.5105	0.1387	2013.0000
6382.0	72.0273	137.0564	0.1391	2014.0000
6382.5	71.7002	143.4045	0.1369	2033.0000
6383.0	71.4001	153.9405	0.1431	1990.0000
6383.5	71.3555	135.1704	0.1345	1963.0000
6384.0	71.4216	137.1335	0.1350	1982.0000
6384.5	71.3651	142.9015	0.1346	2009.0000
6385.0	71.5010	146.0755	0.1355	2000.0000
6385.5	71.4922	157.8148	0.1354	2034.0000
6386.0	72.1473	155.1043	0.1399	2023.0000
6386.5	72.0987	154.0463	0.1396	1991.0000
6387.0	71.7702	139.6573	0.1373	2022.0000
6387.5	70.6639	134.3672	0.1297	1991.0000
6388.0	70.2239	137.4875	0.1266	1955.0000
6388.5	70.1262	130.1830	0.1259	1990.0000
6389.0	70.5775	131.7701	0.1291	1984.0000
6389.5	71.1086	136.4640	0.1328	1999.0000
6390.0	70.1699	135.4033	0.1262	2005.0000
6390.5	70.0012	131.7003	0.1250	2014.0000
6391.0	69.7617	130.1172	0.1233	2013.0000
6391.5	69.9617	142.8451	0.1247	2006.0000
6392.0	70.5638	147.6062	0.1290	1974.0000
6392.5	70.4394	143.4927	0.1281	2031.0000
6393.0	69.0090	135.4252	0.1178	2013.0000
6393.5	68.1003	136.4832	0.1111	1997.0000
6394.0	66.7707	129.6062	0.1008	2000.0000

6516.0	67.0982	132.7836	0.1034	2068.0000
6516.5	66.9226	127.5393	0.1020	2068.0000
6517.0	66.8430	124.7981	0.1014	2046.0000
6517.5	67.3282	121.1505	0.1052	2071.0000
6518.0	67.3628	120.5169	0.1054	2083.0000
6518.5	67.4491	126.9611	0.1061	2069.0000
6519.0	66.6486	129.6061	0.0999	2060.0000
6519.5	66.1640	132.2512	0.0960	2067.0000
6520.0	65.6460	131.1931	0.0918	2038.0000
6520.5	65.8529	124.3161	0.0935	2044.0000
6521.0	66.7781	121.1930	0.1009	2043.0000
6521.5	68.0751	122.7233	0.1109	2034.0000
6522.0	68.7606	144.4852	0.1160	2069.0000
6522.5	68.7835	149.7243	0.1162	2055.0000
6523.0	68.8133	143.3355	0.1164	2074.0000
6523.5	67.8787	130.6805	0.1094	2081.0000
6524.0	66.4001	135.4416	0.0979	2075.0000
6524.5	64.7565	130.6924	0.0845	2075.0000
6525.0	63.4401	125.9586	0.0733	2052.0000
6525.5	62.9416	118.0236	0.0689	2082.0000
6526.0	63.3038	122.8702	0.0721	2064.0000
6526.5	64.4540	133.3092	0.0820	2076.0000
6527.0	64.6125	133.3627	0.0833	2043.0000
6527.5	63.5308	132.7856	0.0741	2044.0000
6528.0	62.1601	121.1971	0.0619	2078.0000
6528.5	61.3989	113.7374	0.0550	2066.0000
6529.0	61.4443	116.9596	0.0554	2048.0000
6529.5	63.2312	120.0840	0.0715	2064.0000
6530.0	63.8950	123.7383	0.0772	2090.0000
6530.5	64.5336	126.9685	0.0826	2058.0000
6531.0	64.3952	121.1495	0.0815	2057.0000
6531.5	64.1078	115.8660	0.0790	2048.0000
6532.0	64.6982	113.5356	0.0840	2058.0000
6532.5	64.7341	125.7027	0.0843	2073.0000
6533.0	64.3984	128.8267	0.0815	2055.0000
6533.5	64.8682	127.5012	0.0854	2072.0000
6534.0	64.6952	125.3852	0.0840	2085.0000
6534.5	65.0641	130.7674	0.0871	2059.0000
6535.0	65.7709	131.7222	0.0928	2065.0000
6535.5	66.1117	134.3672	0.0956	2059.0000
6536.0	65.8044	138.5992	0.0931	2060.0000
6536.5	65.9291	136.4832	0.0941	2065.0000
6537.0	64.5425	128.0191	0.0827	2060.0000
6537.5	64.0763	126.9611	0.0788	2032.0000
6538.0	63.9331	129.0771	0.0776	2077.0000
6538.5	63.9861	137.5412	0.0780	2071.0000
6539.0	66.0627	137.4143	0.0952	2049.0000
6539.5	66.5927	141.1174	0.0994	2068.0000
6540.0	67.3954	139.9381	0.1057	2078.0000
6540.5	67.3357	141.7699	0.1052	2071.0000
6541.0	66.9315	149.1759	0.1021	2084.0000

6669.0	71.8340	130.1351	0.1378	2101.0000
6668.5	70.9087	137.1314	0.1314	2093.0000
6668.0	68.1051	143.9504	0.1111	2131.0000
6667.5	65.8427	139.2614	0.0934	2103.0000
6667.0	65.8411	144.0343	0.0934	2085.0000
6666.5	66.1636	140.8103	0.0960	2099.0000
6666.0	67.7373	141.5941	0.1083	2091.0000
6665.5	69.4549	147.8844	0.1211	2106.0000
6665.0	69.7020	154.8069	0.1229	2112.0000
6664.5	69.4247	154.0231	0.1209	2118.0000
6664.0	67.8321	134.4745	0.1090	2098.0000
6663.5	64.5748	120.7376	0.0830	2098.0000
6663.0	63.9876	120.1365	0.0780	2102.0000
6662.5	64.6428	123.2125	0.0836	2080.0000
6662.0	65.8064	120.0840	0.0931	2083.0000
6661.5	68.1929	121.1420	0.1118	2094.0000
6661.0	68.1981	121.1420	0.1118	2110.0000
6660.5	67.4684	138.0702	0.1062	2081.0000
6660.0	66.1232	127.4901	0.0957	2107.0000
6659.5	63.9277	120.0840	0.0775	2131.0000
6659.0	62.3078	103.6849	0.0633	2097.0000
6658.5	61.6424	114.3788	0.0572	2100.0000
6658.0	62.8520	128.6006	0.0681	2106.0000
6657.5	64.4138	137.5937	0.0816	2085.0000
6657.0	65.3466	140.2454	0.0894	2089.0000
6656.5	65.0639	136.0123	0.0871	2114.0000
6656.0	64.7690	138.6573	0.0846	2103.0000
6655.5	65.5095	143.9606	0.0907	2098.0000
6655.0	66.5795	148.1325	0.0993	2096.0000
6654.5	67.2581	148.1325	0.1046	2107.0000
6654.0	67.6385	134.8743	0.1075	2102.0000
6653.5	67.6412	139.6234	0.1076	2099.0000
6653.0	66.2378	136.9784	0.0966	2116.0000
6652.5	65.0349	138.5694	0.0868	2073.0000
6652.0	64.5936	131.7095	0.0832	2083.0000
6651.5	64.8822	142.8186	0.0856	2076.0000
6651.0	64.7179	151.2409	0.0842	2083.0000
6650.5	64.7690	148.1841	0.0846	2094.0000
6650.0	65.0196	137.0750	0.0867	2078.0000
6649.5	64.6008	135.9541	0.0832	2116.0000
6649.0	65.0974	135.4251	0.0873	2091.0000
6648.5	65.5343	134.3671	0.0909	2093.0000
6648.0	65.3518	128.0191	0.0894	2084.0000
6647.5	66.0166	121.6710	0.0948	2067.0000
6647.0	65.9479	129.1386	0.0943	2080.0000
6646.5	65.7804	123.8017	0.0929	2094.0000
6646.0	65.8693	131.2633	0.0936	2098.0000
6645.5	65.0305	124.8537	0.0868	2087.0000
6645.0	65.4220	133.8937	0.0900	2088.0000
6644.5	65.1488	130.6641	0.0878	2072.0000
6644.0	64.1778	133.2309	0.0796	2041.0000
6643.5	64.2588	127.8381	0.0803	2101.0000
6643.0	64.1849	128.5043	0.0797	2075.0000
6642.5	64.3431	126.6876	0.0810	2064.0000
6642.0	64.4898	134.1358	0.0823	2081.0000
6641.5	65.2704	137.1726	0.0888	2084.0000
6641.0	66.0680	134.8870	0.0952	2081.0000
6640.5	67.3061	137.0004	0.1050	2097.0000
6640.0	67.8869	141.7615	0.1094	2078.0000
6639.5	67.8457	154.4734	0.1091	2069.0000
6639.0	67.9889	158.7002	0.1102	2080.0000
6638.5	67.7115	158.1712	0.1081	2069.0000
6638.0	67.9684	149.1107	0.1101	2087.0000
6637.5	67.9841	133.8381	0.1102	2087.0000
6637.0	67.6253	127.4901	0.1074	2083.0000
6636.5	67.4744	126.9611	0.1063	2077.0000
6636.0	67.9336	126.7555	0.1098	2059.0000
6635.5	68.0447	137.8646	0.1106	2074.0000
6635.0	67.8248	130.9875	0.1090	2056.0000
6634.5	67.1745	134.8961	0.1040	2081.0000
6634.0	67.2724	127.5483	0.1047	2092.0000
6633.5	66.7946	137.0116	0.1010	2088.0000
6633.0	67.8671	132.7796	0.1093	2074.0000
6632.5	69.1135	129.6560	0.1186	2068.0000
6632.0	68.5515	130.6528	0.1144	2080.0000
6631.5	69.0104	147.3085	0.1178	2064.0000
6631.0	68.8041	155.9928	0.1163	2084.0000
6630.5	68.4967	161.2697	0.1140	2083.0000
6630.0	69.3643	150.9621	0.1204	2078.0000
6629.5	69.3315	151.8236	0.1202	2089.0000
6629.0	69.2502	148.6575	0.1196	2105.0000
6628.5	68.2979	147.6233	0.1125	2094.0000
6628.0	67.6933	138.4978	0.1080	2084.0000
6627.5	67.9072	137.5649	0.1096	2085.0000
6627.0	68.5579	137.0121	0.1145	2075.0000
6626.5	69.3279	140.7152	0.1202	2080.0000
6626.0	68.7717	134.3671	0.1161	2090.0000
6625.5	68.2075	135.4813	0.1119	2094.0000
6625.0	67.7214	128.6043	0.1082	2098.0000
6624.5	67.9650	139.7134	0.1100	2103.0000
6624.0	68.0822	144.9472	0.1109	2106.0000
6623.5	68.5842	148.1213	0.1147	2077.0000
6623.0	69.3266	136.3546	0.1201	2060.0000
6622.5	68.9522	140.6547	0.1174	2089.0000
6622.0	69.6301	144.8267	0.1223	2084.0000
6621.5	68.9554	150.2454	0.1174	2078.0000
6621.0	67.5762	133.8257	0.1071	2093.0000
6620.5	67.3570	128.0139	0.1054	2106.0000
6620.0	66.4426	122.1948	0.0982	2109.0000
6619.5	65.6557	123.7838	0.0919	2067.0000
6619.0	66.1831	132.7657	0.0962	2081.0000
6618.5	65.5613	133.2947	0.0911	2068.0000
6618.0	65.9613	126.9748	0.0932	2074.0000
6617.5	66.9942	139.1131	0.1026	2077.0000
6617.0	67.3999	140.7001	0.1057	2064.0000
6616.5	67.8650	149.1385	0.1093	2067.0000
6616.0	67.6675	133.4131	0.1078	2090.0000
6615.5	67.4794	138.1741	0.1063	2083.0000
6615.0	66.6181	128.6470	0.0996	2084.0000
6614.5	66.7288	139.6792	0.1005	2101.0000
6614.0	67.0824	134.9182	0.1033	2083.0000
6613.5	66.6211	138.0701	0.0996	2085.0000
6613.0	67.7558	138.5991	0.1084	2093.0000
6612.5	67.4654	150.3763	0.1062	2085.0000
6612.0	66.9695	141.8226	0.1024	2081.0000
6611.5	67.3146	141.2936	0.1051	2056.0000
6611.0	67.1821	132.8083	0.1040	2067.0000
6610.5	66.9661	136.3110	0.1023	2096.0000
6610.0	66.6717	133.6660	0.1000	2089.0000
6609.5	66.5677	131.4321	0.0992	2062.0000
6609.0	66.7828	138.5991	0.1009	2062.0000
6608.5	66.9532	144.9472	0.1022	2083.0000
6608.0	67.6153	149.1792	0.1074	2082.0000
6607.5	67.4506	148.1212	0.1061	2087.0000
6607.0	66.6479	138.0701	0.0999	2053.0000
6606.5	66.0878	132.7801	0.0954	2076.0000
6606.0	65.3927	139.7226	0.0898	2098.0000
6605.5	64.8430	133.9036	0.0852	2080.0000
6605.0	64.4742	141.3096	0.0821	2081.0000
6604.5	64.5025	132.7801	0.0824	2071.0000
6604.0	64.7156	140.1862	0.0842	2065.0000
6603.5	64.5437	137.0121	0.0827	2071.0000
6603.0	65.0335	146.5342	0.0868	2060.0000
6602.5	65.0870	140.1725	0.0873	2056.0000
6602.0	65.0641	136.3588	0.0871	2062.0000
6601.5	65.6001	125.2497	0.0915	2058.0000
6601.0	65.8214	129.6026	0.0933	2060.0000
6600.5	65.7627	134.8795	0.0928	2083.0000
6600.0	65.9044	137.5246	0.0939	2077.0000
6599.5	65.0289	132.1742	0.0868	2072.0000
6599.0	64.6178	124.8392	0.0834	2072.0000
6598.5	64.5862	123.7812	0.0831	2060.0000
6598.0	64.9026	129.6075	0.0857	2055.0000
6597.5	65.4560	131.1926	0.0903	2058.0000
6597.0	65.6643	137.5406	0.0920	2073.0000
6596.5	65.2866	132.7254	0.0889	2080.0000
6596.0	64.4683	125.5811	0.0821	2066.0000
6595.5	63.9835	117.8895	0.0780	2080.0000
6595.0	63.4217	124.1380	0.0731	2062.0000
6594.5	63.2933	137.6851	0.0720	2087.0000
6594.0	63.9175	134.2675	0.0774	2077.0000
6593.5	63.6004	122.2000	0.0747	2063.0000
6593.0	62.9042	106.8589	0.0686	2083.0000
6592.5	62.3723	110.0858	0.0639	2083.0000
6592.0	61.7160	124.8386	0.0579	2073.0000
6591.5	62.8059	124.8822	0.0677	2093.0000
6591.0	63.1223	126.4712	0.0705	2074.0000
6590.5	62.8555	121.1878	0.0682	2044.0000
6590.0	63.5993	123.2601	0.0747	2082.0000
6589.5	62.0300	125.3788	0.0608	2080.0000
6589.0	62.3121	130.1926	0.0633	2089.0000
6588.5	63.0588	132.8376	0.0700	2098.0000
6588.0	62.5511	133.8970	0.0655	2075.0000
6587.5	63.9918	130.6682	0.0781	2090.0000
6587.0	64.5543	135.4848	0.0828	2076.0000
6586.5	65.1019	133.3099	0.0874	2033.0000
6586.0	65.9014	142.3577	0.0939	2065.0000
6585.5	66.5478	139.1282	0.0991	2056.0000
6585.0	66.1838	131.1931	0.0962	2057.0000
6584.5	66.1979	119.5550	0.0963	2072.0000
6584.0	67.0029	132.7801	0.1026	2051.0000
6583.5	67.1516	148.6503	0.1038	2071.0000
6583.0	67.9978	156.5853	0.1103	2083.0000
6582.5	67.4234	150.3578	0.1059	2075.0000
6582.0	67.2594	141.2553	0.1046	2081.0000
6581.5	66.4368	132.8450	0.0982	2087.0000
6581.0	66.1773	131.1957	0.0961	2091.0000
6580.5	66.9089	137.5904	0.1019	2091.0000
6580.0	67.6548	139.1237	0.1077	2090.0000
6579.5	68.3387	141.7720	0.1128	2068.0000
6579.0	68.3703	138.6607	0.1131	2090.0000
6578.5	68.0322	145.0087	0.1105	2063.0000
6578.0	67.9218	140.1862	0.1097	2065.0000
6577.5	68.1422	144.4182	0.1114	2067.0000
6577.0	68.0424	143.3602	0.1106	2084.0000
6576.5	68.0062	151.4939	0.1103	2085.0000
6576.0	67.9992	151.4939	0.1103	2096.0000
6575.5	67.5599	151.6131	0.1069	2117.0000
6575.0	68.0152	147.6508	0.1104	2083.0000
6574.5	67.9764	141.3027	0.1101	2100.0000
6574.0	67.5675	138.0650	0.1070	2083.0000
6573.5	67.4691	124.3281	0.1062	2091.0000
6573.0	67.4818	137.0242	0.1063	2083.0000
6572.5	68.1393	135.9648	0.1113	2097.0000
6572.0	68.9353	154.9853	0.1173	2087.0000
6571.5	69.0821	136.4701	0.1184	2085.0000
6571.0	68.4919	131.6548	0.1140	2112.0000
6570.5	67.7263	119.0260	0.1079	2082.0000
6570.0	67.6878	118.4970	0.1079	2082.0000
6569.5	67.6261	135.9541	0.1074	2075.0000
6569.0	68.3164	149.1793	0.1127	2066.0000
6568.5	68.3612	163.6989	0.1130	2087.0000
6568.0	68.5009	152.0053	0.1141	2081.0000
6567.5	69.2750	147.2443	0.1198	2094.0000
6567.0	69.4243	141.8370	0.1209	2094.0000
6566.5	69.7096	139.6710	0.1229	2093.0000
6566.0	69.3257	126.9748	0.1201	2076.0000
6565.5	69.0252	122.2019	0.1179	2093.0000
6565.0	68.9813	131.7003	0.1176	2087.0000
6564.5	69.0086	144.9254	0.1178	2089.0000
6564.0	68.5181	151.2277	0.1142	2097.0000
6563.5	68.2851	133.3284	0.1124	2092.0000
6563.0	68.2073	117.5013	0.1119	2091.0000
6562.5	67.9583	110.5627	0.1100	2080.0000
6562.0	68.0940	120.1270	0.1110	2077.0000
6561.5	67.8548	129.0771	0.1092	2089.0000
6561.0	67.8810	133.8885	0.1094	2066.0000
6560.5	68.1077	143.4106	0.1111	2071.0000
6560.0	68.3768	143.5192	0.1131	2081.0000
6559.5	68.2061	135.4362	0.1118	2080.0000
6559.0	67.2409	125.9141	0.1045	2098.0000
6558.5	66.6385	132.2781	0.0998	2096.0000
6558.0	65.7509	132.2781	0.0927	2059.0000
6557.5	65.0829	121.1690	0.0872	2088.0000
6557.0	65.0178	101.0165	0.0867	2100.0000
6556.5	64.3046	100.4888	0.0807	2096.0000
6556.0	64.5853	110.5928	0.0831	2112.0000
6555.5	64.2691	126.3888	0.0804	2101.0000
6555.0	63.9309	129.1300	0.0775	2098.0000
6554.5	63.3981	127.9970	0.0729	2081.0000
6554.0	63.4193	130.1131	0.0731	2066.0000
6553.5	65.4400	142.8092	0.0902	2084.0000
6553.0	66.3600	147.5923	0.0976	2083.0000
6552.5	67.3464	141.2442	0.1053	2088.0000
6552.0	67.9219	123.7871	0.1097	2083.0000
6551.5	67.1690	129.7359	0.1039	2091.0000
6551.0	67.6167	140.2513	0.1074	2100.0000
6550.5	68.2662	154.5345	0.1123	2088.0000
6550.0	68.4039	156.1255	0.1133	2097.0000
6549.5	68.6507	145.5072	0.1152	2074.0000
6549.0	68.1854	141.8042	0.1117	2085.0000
6548.5	68.4701	127.9659	0.1138	2093.0000
6548.0	68.9302	139.1125	0.1172	2089.0000
6547.5	69.4218	134.8804	0.1208	2078.0000
6547.0	69.9589	136.9991	0.1247	2072.0000
6546.5	69.8280	131.8247	0.1238	2060.0000
6546.0	69.5166	130.7667	0.1215	2067.0000
6545.5	67.6061	137.5916	0.1073	2097.0000
6545.0	66.4013	133.8382	0.0979	2078.0000
6544.5	66.3439	137.0122	0.0974	2082.0000
6544.0	66.2214	138.0702	0.0965	2099.0000
6543.5	67.1812	143.3602	0.1040	2077.0000
6543.0	66.9365	141.8818	0.1021	2085.0000
6542.5	66.8236	133.3150	0.1012	2090.0000
6542.0	66.3021	138.0760	0.0971	2106.0000
6541.5	66.4371	141.7883	0.0982	2071.0000

6669.5	72.5520	128.0191	0.1426	2092.0000
6670.0	71.9051	137.0122	0.1382	2078.0000
6670.5	71.5756	148.6503	0.1360	2102.0000
6671.0	70.7552	144.9473	0.1303	2074.0000
6671.5	70.1488	140.1862	0.1261	2083.0000
6672.0	70.3754	134.3671	0.1277	2099.0000
6672.5	70.3527	144.3510	0.1275	2114.0000
6673.0	70.9760	152.4158	0.1319	2110.0000
6673.5	70.2029	148.3635	0.1264	2096.0000
6674.0	69.8247	137.2683	0.1237	2100.0000
6674.5	69.2441	130.8473	0.1195	2082.0000
6675.0	68.6677	142.8347	0.1153	2089.0000
6675.5	69.2539	142.2537	0.1196	2076.0000
6676.0	69.8630	144.4320	0.1240	2083.0000
6676.5	69.4392	142.9111	0.1210	2089.0000
6677.0	69.0324	139.7937	0.1180	2064.0000
6677.5	68.8671	142.9120	0.1168	2093.0000
6678.0	68.1503	135.9689	0.1114	2116.0000
6678.5	68.7536	149.7718	0.1159	2117.0000
6679.0	68.8730	147.5923	0.1168	2094.0000
6679.5	69.0005	146.5343	0.1178	2090.0000
6680.0	69.4208	143.3602	0.1208	2097.0000
6680.5	68.8310	139.6572	0.1165	2101.0000
6681.0	68.7578	142.2429	0.1160	2103.0000
6681.5	67.9328	129.4181	0.1098	2114.0000
6682.0	65.8272	122.0120	0.0933	2121.0000
6682.5	65.4655	119.8986	0.0904	2113.0000
6683.0	65.3452	131.7262	0.0894	2112.0000
6683.5	65.0084	133.8423	0.0866	2100.0000
6684.0	65.4141	135.8964	0.0899	2123.0000
6684.5	65.6729	136.4877	0.0921	2107.0000
6685.0	65.6213	135.9587	0.0916	2076.0000
6685.5	65.0304	127.0361	0.0868	2114.0000
6686.0	65.5184	117.9701	0.0908	2097.0000
6686.5	64.7445	124.8472	0.0844	2122.0000
6687.0	63.7235	127.0113	0.0758	2122.0000
6687.5	63.6633	134.3672	0.0752	2096.0000
6688.0	63.2547	124.3161	0.0717	2115.0000
6688.5	64.1139	134.9603	0.0791	2109.0000
6689.0	64.9362	127.5041	0.0860	2106.0000
6689.5	65.7812	130.6781	0.0929	2108.0000
6690.0	66.0465	123.2628	0.0951	2108.0000
6690.5	66.1445	131.3177	0.0959	2109.0000
6691.0	66.8213	135.0207	0.1012	2126.0000
6691.5	67.6811	136.0238	0.1079	2116.0000
6692.0	67.8686	127.4901	0.1093	2092.0000
6692.5	67.8676	132.7201	0.1093	2107.0000
6693.0	67.9110	131.1873	0.1096	2088.0000
6693.5	67.3885	128.5423	0.1056	2105.0000
6694.0	67.9125	132.7691	0.1096	2152.0000

6797.5	69.7248	135.9530	0.1230	2110.0000
6798.0	69.0999	135.4795	0.1185	2114.0000
6798.5	68.4160	137.0053	0.1134	2082.0000
6799.0	67.8035	138.6526	0.1088	2101.0000
6799.5	68.1482	144.9452	0.1114	2097.0000
6800.0	68.7172	148.1113	0.1157	2127.0000
6800.5	69.0581	142.7977	0.1182	2118.0000
6801.0	68.9114	133.7513	0.1171	2121.0000
6801.5	68.4718	127.5298	0.1138	2123.0000
6802.0	67.6906	128.0403	0.1079	2146.0000
6802.5	67.7258	132.3256	0.1082	2138.0000
6803.0	68.2102	135.4996	0.1119	2109.0000
6803.5	68.5614	137.0664	0.1145	2144.0000
6804.0	69.3474	142.3564	0.1203	2125.0000
6804.5	69.3148	137.5954	0.1201	2109.0000
6805.0	69.2244	151.8243	0.1194	2113.0000
6805.5	68.5090	139.1282	0.1141	2089.0000
6806.0	68.7288	142.8312	0.1158	2078.0000
6806.5	69.1076	126.4320	0.1185	2099.0000
6807.0	69.6006	140.1209	0.1221	2112.0000
6807.5	71.1698	139.1197	0.1332	2106.0000
6808.0	71.4538	143.3518	0.1352	2105.0000
6808.5	71.4651	132.2565	0.1353	2134.0000
6809.0	71.1165	138.0829	0.1328	2132.0000
6809.5	71.1507	138.3287	0.1331	2128.0000
6810.0	70.9409	139.3328	0.1316	2106.0000
6810.5	71.0184	137.5119	0.1322	2138.0000
6811.0	71.1258	145.0554	0.1329	2141.0000
6811.5	70.5758	151.9765	0.1291	2139.0000
6812.0	70.4849	149.0304	0.1284	2185.0000
6812.5	69.4949	146.0021	0.1214	2173.0000
6813.0	68.4376	141.8314	0.1136	2149.0000
6813.5	67.6779	140.7721	0.1078	2123.0000
6814.0	67.1431	133.8950	0.1037	2124.0000
6814.5	67.4958	134.4240	0.1064	2119.0000
6815.0	68.3265	126.9611	0.1128	2117.0000
6815.5	70.7040	130.1351	0.1156	2117.0000
6816.0	68.8644	124.8450	0.1168	2106.0000
6816.5	68.9565	129.6061	0.1174	2148.0000
6817.0	69.3663	132.7181	0.1204	2133.0000
6817.5	69.8196	144.4210	0.1237	2123.0000
6818.0	69.3827	142.8340	0.1206	2129.0000
6818.5	67.7801	134.3805	0.1086	2118.0000
6819.0	65.6983	127.4948	0.0923	2100.0000
6819.5	62.1846	128.6057	0.0622	2106.0000
6820.0	63.4632	123.8052	0.0735	2124.0000
6820.5	65.3818	119.5027	0.0897	2128.0000
6821.0	67.1762	122.0948	0.1040	2140.0000
6821.5	69.8604	137.9254	0.1240	2138.0000
6822.0	70.2149	142.2843	0.1265	2125.0000
6822.5	69.8133	142.8787	0.1241	2125.0000
6823.0	70.3412	132.7641	0.1274	2116.0000
6823.5	70.7195	135.9675	0.1301	2113.0000
6824.0	70.6525	133.5262	0.1296	2106.0000
6824.5	70.5956	137.8868	0.1292	2119.0000
6825.0	70.0277	126.4517	0.1252	2130.0000
6825.5	69.6312	139.4731	0.1224	2110.0000
6826.0	69.1234	141.5892	0.1187	2125.0000
6826.5	69.0237	148.1212	0.1179	2132.0000
6827.0	69.5251	137.4844	0.1216	2121.0000
6827.5	69.4310	143.9012	0.1209	2121.0000
6828.0	69.1939	151.8363	0.1192	2113.0000
6828.5	69.0866	160.2898	0.1184	2130.0000
6829.0	68.6539	146.5185	0.1152	2124.0000
6829.5	68.3235	138.0544	0.1127	2133.0000
6830.0	68.1978	136.4043	0.1118	2138.0000
6830.5	68.5482	148.1232	0.1144	2140.0000
6831.0	67.6387	148.1232	0.1075	2151.0000
6831.5	67.5236	137.1445	0.1067	2124.0000
6832.0	67.4472	126.4320	0.1061	2106.0000
6832.5	67.5714	116.3809	0.1070	2115.0000
6833.0	68.2756	113.7359	0.1124	2112.0000
6833.5	68.2483	124.3160	0.1122	2113.0000
6834.0	68.3734	137.0690	0.1131	2126.0000
6834.5	68.5820	145.5331	0.1147	2119.0000
6835.0	68.5322	134.4240	0.1143	2139.0000
6835.5	68.9298	139.0655	0.1172	2143.0000
6836.0	69.3239	137.5353	0.1201	2126.0000
6836.5	69.4364	149.1734	0.1209	2123.0000
6837.0	69.3172	141.4808	0.1201	2118.0000
6837.5	68.6833	131.4171	0.1154	2148.0000
6838.0	68.2477	127.3854	0.1122	2129.0000
6838.5	68.9376	124.8480	0.1173	2108.0000
6839.0	69.3718	139.1490	0.1205	2131.0000
6839.5	70.2494	137.8907	0.1268	2132.0000
6840.0	70.8643	147.5305	0.1311	2125.0000
6840.5	70.4189	141.7592	0.1280	2105.0000
6841.0	70.3112	141.2302	0.1272	2144.0000
6841.5	70.3517	143.3409	0.1275	2135.0000
6842.0	70.4518	147.5836	0.1282	2126.0000
6842.5	70.4998	145.9966	0.1285	2151.0000
6843.0	70.9141	137.1326	0.1314	2139.0000
6843.5	70.8076	134.3671	0.1307	2140.0000
6844.0	70.9281	145.4762	0.1315	2167.0000
6844.5	71.0950	141.7731	0.1327	2168.0000
6845.0	70.9836	142.3022	0.1319	2136.0000
6845.5	71.1052	137.5411	0.1328	2152.0000
6846.0	71.1963	143.3602	0.1334	2124.0000
6846.5	71.3014	138.5991	0.1341	2107.0000
6847.0	71.5473	142.3022	0.1358	2109.0000
6847.5	71.1206	146.5342	0.1329	2096.0000
6848.0	71.2756	142.8843	0.1339	2092.0000
6848.5	70.2149	143.8360	0.1265	2125.0000
6849.0	70.0207	146.0034	0.1251	2149.0000
6849.5	70.3139	146.5317	0.1258	2159.0000
6850.0	69.6157	138.5411	0.1222	2141.0000
6850.5	69.1849	142.3442	0.1191	2144.0000
6851.0	68.3179	134.9381	0.1127	2118.0000
6851.5	67.9430	140.7499	0.1099	2152.0000
6852.0	68.6159	136.4681	0.1149	2123.0000
6852.5	68.7499	147.0482	0.1159	2117.0000
6853.0	68.9824	141.7647	0.1176	2131.0000
6853.5	69.2390	149.7097	0.1195	2113.0000
6854.0	69.4324	141.2456	0.1209	2149.0000
6854.5	69.9379	137.0189	0.1246	2158.0000
6855.0	70.0840	126.9552	0.1256	2127.0000
6855.5	69.8304	126.4831	0.1238	2148.0000
6856.0	69.6096	130.1236	0.1222	2148.0000
6856.5	69.4871	146.0812	0.1213	2134.0000
6857.0	69.8730	143.9083	0.1241	2141.0000
6857.5	70.1258	137.6762	0.1259	2141.0000
6858.0	69.9391	133.3091	0.1246	2131.0000
6858.5	69.3896	131.1930	0.1206	2146.0000
6859.0	68.6296	134.8961	0.1150	2128.0000
6859.5	68.0120	126.9610	0.1104	2099.0000
6860.0	67.7969	135.9541	0.1088	2126.0000
6860.5	67.8325	135.4251	0.1090	2098.0000
6861.0	66.2081	139.6571	0.0964	2135.0000
6861.5	66.3250	132.1976	0.0973	2155.0000
6862.0	66.5765	132.2518	0.0993	2163.0000
6862.5	66.3391	144.4190	0.0974	2163.0000
6863.0	68.0988	159.2126	0.1110	2129.0000
6863.5	68.4396	166.6280	0.1136	2118.0000
6864.0	68.4374	155.5777	0.1136	2127.0000
6864.5	68.9976	148.6461	0.1177	2124.0000
6865.0	68.5932	146.0581	0.1147	2103.0000
6865.5	68.1497	139.6004	0.1114	2102.0000
6866.0	67.8840	124.3415	0.1094	2136.0000
6866.5	67.8297	124.2812	0.1090	2123.0000
6867.0	68.1033	132.3279	0.1111	2124.0000
6867.5	67.6039	139.2491	0.1073	2143.0000
6868.0	67.1876	134.9569	0.1041	2175.0000
6868.5	66.8999	121.6710	0.1018	2141.0000
6869.0	67.3400	122.2000	0.1052	2164.0000
6869.5	67.5269	124.3160	0.1067	2152.0000
6870.0	67.6527	131.4365	0.1077	2166.0000
6870.5	68.1406	128.7414	0.1114	2152.0000
6871.0	68.2362	127.1544	0.1121	2117.0000
6871.5	68.6042	125.3748	0.1148	2130.0000
6872.0	68.9856	128.0699	0.1176	2160.0000
6872.5	69.4511	126.4829	0.1210	2152.0000
6873.0	69.7640	135.3631	0.1233	2168.0000
6873.5	69.7029	140.7133	0.1229	2136.0000
6874.0	70.0207	146.0034	0.1251	2149.0000
6874.5	70.1139	146.5317	0.1258	2159.0000
6875.0	70.2822	143.8834	0.1270	2131.0000
6875.5	70.9076	138.5933	0.1314	2123.0000
6876.0	70.2751	138.0031	0.1270	2143.0000
6876.5	70.4488	148.1364	0.1282	2169.0000
6877.0	70.7650	162.4195	0.1304	2179.0000
6877.5	69.8064	169.8071	0.1236	2177.0000
6878.0	70.0479	158.6702	0.1253	2149.0000
6878.5	68.8414	148.0901	0.1166	2167.0000
6879.0	67.5959	132.8392	0.1072	2149.0000
6879.5	68.0829	131.2482	0.1109	2152.0000
6880.0	68.1331	127.5452	0.1113	2150.0000
6880.5	68.2752	132.8286	0.1124	2154.0000
6881.0	68.1519	132.2453	0.1114	2171.0000
6881.5	67.4147	129.0712	0.1058	2147.0000
6882.0	67.2743	133.3620	0.1047	2156.0000
6882.5	67.1814	130.1350	0.1040	2188.0000
6883.0	67.6089	139.6571	0.1073	2184.0000
6883.5	68.5632	132.2511	0.1145	2164.0000
6884.0	69.2646	134.8961	0.1197	2143.0000
6884.5	69.5106	131.1931	0.1215	2155.0000
6885.0	69.6813	137.0121	0.1227	2152.0000
6885.5	69.8609	141.2442	0.1240	2152.0000
6886.0	69.4946	138.5991	0.1214	2150.0000
6886.5	69.3967	128.5480	0.1207	2171.0000
6887.0	69.5812	124.8450	0.1220	2194.0000
6887.5	67.5358	111.0909	0.1068	2175.0000
6888.0	67.8297	110.6108	0.1090	2169.0000
6888.5	67.2613	113.2558	0.1046	2175.0000
6889.0	67.2900	133.7631	0.1049	2198.0000
6889.5	69.3276	135.9335	0.1202	2165.0000
6890.0	69.1307	135.4045	0.1187	2172.0000
6890.5	69.2702	128.5446	0.1197	2194.0000
6891.0	68.9021	128.0143	0.1170	2163.0000
6891.5	68.2497	124.3112	0.1122	2181.0000
6892.0	68.8193	128.5913	0.1164	2198.0000
6892.5	69.2977	138.6039	0.1199	2204.0000
6893.0	69.7339	141.2489	0.1231	2189.0000
6893.5	70.0438	130.1985	0.1253	2175.0000
6894.0	69.7562	122.2000	0.1233	2205.0000
6894.5	68.5846	124.8450	0.1147	2207.0000
6895.0	68.3730	135.4833	0.1131	2208.0000
6895.5	68.5949	137.5993	0.1148	2189.0000
6896.0	68.8054	133.6775	0.1163	2201.0000
6896.5	69.7043	129.9699	0.1229	2216.0000
6897.0	70.1225	123.6218	0.1259	2223.0000
6897.5	70.0676	132.6759	0.1255	2217.0000
6898.0	69.6510	139.6239	0.1225	2231.0000
6898.5	70.0640	149.1460	0.1255	2246.0000
6899.0	69.8466	151.9487	0.1239	2224.0000
6899.5	69.3279	143.8360	0.1202	2207.0000

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7028.0	70.5173	137.9802	0.1287	2247.0000
7028.5	69.1961	128.2440	0.1192	2189.0000
7029.0	67.9004	125.2809	0.1095	2215.0000
7029.5	68.2427	131.3048	0.1121	2304.0000
7030.0	70.7110	132.1730	0.1300	2304.0000
7030.5	71.8176	132.5963	0.1377	2266.0000
7031.0	72.6230	135.6921	0.1431	2239.0000
7031.5	72.0924	136.9405	0.1395	2248.0000
7032.0	72.1627	137.7871	0.1400	2348.0000
7032.5	73.2417	135.6485	0.1471	2314.0000
7033.0	73.9023	140.9399	0.1514	2259.0000
7033.5	73.7995	140.4701	0.1507	2274.0000
7034.0	73.4989	145.3848	0.1488	2241.0000
7034.5	73.2573	140.5598	0.1472	2198.0000
7035.0	72.8788	142.2754	0.1448	2201.0000
7035.5	73.2187	139.7655	0.1470	2276.0000
7036.0	72.8934	142.7144	0.1448	2242.0000
7036.5	72.9493	139.1180	0.1452	2233.0000
7037.0	73.0383	141.5544	0.1458	2242.0000
7037.5	73.4577	141.5495	0.1485	2270.0000
7038.0	74.9330	145.5932	0.1579	2261.0000
7038.5	75.1563	150.9336	0.1593	2208.0000
7039.0	75.0556	146.2533	0.1587	2214.0000
7039.5	74.6828	146.2290	0.1564	2276.0000
7040.0	73.8940	138.3978	0.1513	2252.0000
7040.5	73.2457	137.5511	0.1472	2221.0000
7041.0	73.5475	137.1338	0.1491	2260.0000
7041.5	73.8581	137.1571	0.1511	2273.0000
7042.0	74.0326	141.6018	0.1522	2268.0000
7042.5	74.3250	141.6202	0.1541	2265.0000
7043.0	74.4750	145.4067	0.1550	2232.0000
7043.5	74.5819	148.5566	0.1557	2227.0000
7044.0	74.2355	150.2498	0.1535	2224.0000
7044.5	74.0832	144.0897	0.1526	2234.0000
7045.0	74.0501	142.3732	0.1523	2246.0000
7045.5	74.2198	128.8455	0.1534	2264.0000
7046.0	74.4567	126.5604	0.1549	2230.0000
7046.5	74.1128	127.6422	0.1527	2249.0000
7047.0	73.8722	136.8137	0.1512	2227.0000
7047.5	73.9505	144.5992	0.1517	2200.0000
7048.0	74.2974	143.9888	0.1539	2246.0000
7048.5	75.3894	145.5935	0.1607	2281.0000
7049.0	75.8096	144.0645	0.1633	2229.0000
7049.5	74.9937	142.1830	0.1583	2210.0000
7050.0	73.8892	137.7383	0.1513	2216.0000
7050.5	72.4385	133.3657	0.1418	2255.0000
7051.0	71.4638	131.6491	0.1352	2272.0000
7051.5	71.8137	138.5457	0.1376	2216.0000
7052.0	72.2584	144.4720	0.1406	2225.0000
7052.5	73.0364	149.9757	0.1458	2329.0000
7053.0	74.0413	149.5911	0.1523	2268.0000

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7053.5	73.5836	149.8028	0.1494	2250.0000
7054.0	73.3633	148.6673	0.1479	2267.0000
7054.5	73.2378	141.5203	0.1471	2276.0000
7055.0	73.0953	143.1877	0.1462	2249.0000
7055.5	73.4647	137.3380	0.1486	2238.0000
7056.0	74.0290	140.7018	0.1522	2200.0000
7056.5	73.9815	134.3779	0.1519	2238.0000
7057.0	73.8966	137.7175	0.1514	2235.0000
7057.5	73.9508	138.8217	0.1517	2219.0000
7058.0	72.6440	141.3616	0.1432	2229.0000
7058.5	72.8617	130.8257	0.1446	2217.0000
7059.0	72.5568	131.8489	0.1426	2256.0000
7059.5	72.4363	129.0974	0.1418	2272.0000
7060.0	73.3622	149.6002	0.1479	2235.0000
7060.5	73.4880	153.4269	0.1487	2221.0000
7061.0	73.3165	151.7553	0.1476	2285.0000
7061.5	73.4418	145.8566	0.1484	2259.0000
7062.0	72.6762	138.0204	0.1434	2223.0000
7062.5	72.2124	137.9987	0.1403	2217.0000
7063.0	71.8847	129.9344	0.1381	2257.0000
7063.5	71.7775	128.8761	0.1374	2264.0000
7064.0	73.1011	125.4697	0.1462	2263.0000
7064.5	73.7670	125.4482	0.1505	2227.0000
7065.0	73.8668	128.8807	0.1512	2252.0000
7065.5	73.4434	137.8686	0.1484	2251.0000
7066.0	72.4254	143.5479	0.1417	2252.0000
7066.5	73.3447	144.7719	0.1478	2267.0000
7067.0	73.7063	144.4818	0.1501	2277.0000
7067.5	73.7262	143.9011	0.1503	2240.0000
7068.0	75.5004	144.9353	0.1614	2239.0000
7068.5	76.3763	136.8721	0.1667	2265.0000
7069.0	76.3929	133.7884	0.1668	2297.0000
7069.5	76.3341	132.7688	0.1665	2288.0000
7070.0	76.1763	138.1749	0.1655	2256.0000
7070.5	75.4632	146.1506	0.1612	2218.0000
7071.0	74.5038	145.2662	0.1552	2256.0000
7071.5	73.8788	142.2087	0.1513	2263.0000
7072.0	72.9911	130.3590	0.1455	2242.0000
7072.5	73.1115	132.4503	0.1463	2223.0000
7073.0	74.4621	138.9615	0.1550	2242.0000
7073.5	76.0134	144.0382	0.1646	2283.0000
7074.0	77.2614	149.5627	0.1720	2291.0000
7074.5	77.5497	154.2678	0.1737	2230.0000
7075.0	77.9934	153.4703	0.1762	2251.0000
7075.5	78.4746	152.2010	0.1790	2256.0000
7076.0	76.9107	151.0911	0.1699	2194.0000
7076.5	75.8591	156.7822	0.1636	2216.0000
7077.0	74.5757	151.0938	0.1557	2309.0000
7077.5	73.2683	145.6438	0.1473	2301.0000
7078.0	74.2551	145.8044	0.1537	2249.0000
7078.5	74.3236	144.9028	0.1494	2250.0000
7079.0	74.4325	150.2491	0.1610	2239.0000
7079.5	75.4325	150.2491	0.1610	2239.0000
7080.0	75.9361	150.0384	0.1641	2241.0000
7080.5	75.7769	148.1335	0.1631	2224.0000
7081.0	76.1063	140.3479	0.1651	2261.0000
7081.5	74.6459	136.7288	0.1561	2270.0000
7082.0	74.8427	129.9350	0.1574	2208.0000
7082.5	74.3594	128.4534	0.1543	2193.0000
7083.0	74.3581	140.5177	0.1543	2299.0000
7083.5	73.0707	144.9143	0.1460	2313.0000
7084.0	73.1609	146.6325	0.1466	2227.0000
7084.5	73.5361	150.0190	0.1490	2234.0000
7085.0	73.6563	146.7015	0.1498	2279.0000
7085.5	74.3129	144.1097	0.1540	2307.0000
7086.0	74.2226	140.2999	0.1534	2249.0000
7086.5	71.0991	140.0883	0.1327	2250.0000
7087.0	69.8213	128.8434	0.1237	2244.0000
7087.5	65.4624	116.1628	0.0903	2236.0000
7088.0	63.9017	100.2887	0.0773	2268.0000
7088.5	62.7075	99.2846	0.0669	2305.0000
7089.0	63.2512	101.8057	0.0717	2297.0000
7089.5	67.5894	121.6780	0.1072	2263.0000
7090.0	71.8295	137.3405	0.1377	2258.0000
7090.5	74.6314	147.0766	0.1560	2268.0000
7091.0	75.4565	148.9322	0.1612	2258.0000
7091.5	73.5514	146.6282	0.1491	2272.0000
7092.0	70.9406	143.2649	0.1316	2313.0000
7092.5	71.0538	133.6370	0.1324	2270.0000
7093.0	69.0918	120.8956	0.1184	2225.0000
7093.5	66.6110	109.0198	0.0996	2211.0000
7094.0	67.0891	106.2326	0.1033	2261.0000
7094.5	66.0347	106.4441	0.0950	2297.0000
7095.0	64.2866	107.4669	0.0806	2260.0000
7095.5	64.7247	101.3588	0.0842	2283.0000
7096.0	63.4919	92.6853	0.0737	2270.0000
7096.5	62.6658	92.7208	0.0665	2283.0000
7097.0	65.9894	103.2737	0.0946	2277.0000
7097.5	68.5927	122.1246	0.1147	2238.0000
7098.0	71.1058	136.9153	0.1328	2252.0000
7098.5	73.9161	150.4612	0.1515	2322.0000
7099.0	74.2338	146.4671	0.1535	2272.0000
7099.5	74.4207	143.5291	0.1547	2229.0000
7100.0	74.3350	133.5813	0.1542	2283.0000
7100.5	74.8013	141.1735	0.1571	2248.0000
7101.0	75.3294	145.8299	0.1604	2263.0000
7101.5	75.0742	149.1927	0.1588	2301.0000
7102.0	74.1389	150.0393	0.1529	2259.0000
7102.5	74.2146	146.8401	0.1534	2235.0000
7103.0	74.1851	150.2249	0.1532	2226.0000
7103.5	73.9664	151.0972	0.1518	2265.0000
7104.0	73.7526	153.0011	0.1504	2273.0000
7104.5	73.0407	146.2535	0.1458	2243.0000
7105.0	73.2803	139.0054	0.1474	2188.0000
7105.5	72.6709	130.2895	0.1434	2200.0000
7106.0	72.7961	128.8079	0.1442	2256.0000
7106.5	73.0283	133.2545	0.1457	2240.0000
7107.0	72.7475	141.1243	0.1439	2249.0000
7107.5	72.3385	146.6513	0.1412	2261.0000
7108.0	72.8607	158.8997	0.1446	2267.0000
7108.5	72.7358	144.9811	0.1438	2283.0000
7109.0	71.8357	147.2853	0.1378	2304.0000
7109.5	72.2589	153.1688	0.1406	2267.0000
7110.0	71.5780	145.1410	0.1360	2242.0000
7110.5	72.0806	149.1625	0.1394	2279.0000
7111.0	70.9442	149.5887	0.1317	2291.0000
7111.5	69.4829	147.8233	0.1213	2290.0000
7112.0	70.3529	133.6425	0.1275	2213.0000
7112.5	70.6700	127.3216	0.1297	2226.0000
7113.0	71.6584	132.4594	0.1366	2366.0000
7113.5	73.2814	145.7936	0.1474	2355.0000
7114.0	72.9213	147.9213	0.1450	2234.0000
7114.5	71.7222	150.8842	0.1370	2244.0000
7115.0	71.0052	142.3730	0.1321	2286.0000
7115.5	71.5081	142.3963	0.1355	2301.0000
7116.0	70.6573	139.4585	0.1297	2282.0000
7116.5	70.9257	143.1016	0.1315	2226.0000
7117.0	70.4349	139.1370	0.1281	2271.0000
7117.5	69.6732	141.8885	0.1227	2301.0000
7118.0	69.8288	144.1912	0.1238	2270.0000
7118.5	70.1882	144.7246	0.1263	2257.0000
7119.0	71.3180	140.0682	0.1342	2277.0000
7119.5	72.3419	138.4004	0.1412	2284.0000
7120.0	72.0548	142.8667	0.1393	2314.0000
7120.5	71.8547	146.6765	0.1379	2275.0000
7121.0	71.6698	139.2686	0.1366	2260.0000
7121.5	71.6743	145.3797	0.1367	2283.0000
7122.0	72.1544	139.2418	0.1399	2277.0000
7122.5	72.4549	144.9089	0.1419	2244.0000
7123.0	72.3461	137.2482	0.1412	2292.0000
7123.5	72.6626	143.5729	0.1433	2268.0000
7124.0	72.9219	147.8535	0.1450	2286.0000
7124.5	73.8126	148.1332	0.1508	2284.0000
7125.0	73.6086	145.1715	0.1495	2288.0000
7125.5	73.5173	137.9752	0.1489	2272.0000
7126.0	73.1173	138.1636	0.1463	2254.0000
7126.5	72.7329	138.5867	0.1438	2271.0000
7127.0	73.0778	146.1282	0.1461	2264.0000
7127.5	72.3116	150.3718	0.1410	2249.0000
7128.0	72.4918	150.6072	0.1422	2217.0000
7128.5	72.3163	147.9090	0.1410	2255.0000
7129.0	71.9976	146.8634	0.1389	2283.0000
7129.5	72.8347	152.3400	0.1445	2246.0000
7130.0	72.9329	151.7820	0.1451	2268.0000
7130.5	72.8949	152.0186	0.1449	2259.0000
7131.0	72.8371	144.6372	0.1445	2286.0000
7131.5	72.8601	143.5267	0.1446	2279.0000
7132.0	72.8318	141.5968	0.1444	2298.0000
7132.5	72.6437	149.1898	0.1432	2265.0000
7133.0	72.9474	154.4811	0.1452	2281.0000
7133.5	72.8607	158.8997	0.1446	2267.0000
7134.0	72.2062	158.3860	0.1403	2273.0000
7134.5	73.0862	153.8857	0.1461	2268.0000
7135.0	72.6685	152.2332	0.1434	2271.0000
7135.5	72.5464	145.1539	0.1426	2271.0000
7136.0	72.6117	144.7620	0.1430	2289.0000
7136.5	71.8822	136.7047	0.1381	2244.0000
7137.0	72.4929	141.7844	0.1422	2282.0000
7137.5	72.5393	138.3996	0.1425	2259.0000
7138.0	72.3245	136.6654	0.1411	2251.0000
7138.5	72.4390	134.9967	0.1418	2232.0000
7139.0	72.7964	138.8289	0.1442	2257.0000
7139.5	72.9393	144.7962	0.1451	2257.0000
7140.0	73.4296	144.5356	0.1484	2277.0000
7140.5	75.0149	143.0540	0.1584	2279.0000
7141.0	75.6664	143.0540	0.1624	2289.0000
7141.5	75.6940	140.1152	0.1626	2291.0000
7142.0	75.4417	134.5498	0.1611	2255.0000
7142.5	74.8073	134.1498	0.1571	2234.0000
7143.0	75.1835	137.7479	0.1595	2259.0000
7143.5	76.1494	144.3716	0.1654	2250.0000
7144.0	76.9166	150.0630	0.1700	2238.0000
7144.5	76.9122	153.0000	0.1699	2281.0000
7145.0	76.2674	149.8592	0.1661	2273.0000
7145.5	75.5501	144.3562	0.1617	2241.0000
7146.0	75.6955	143.4842	0.1626	2232.0000
7146.5	75.7013	154.2725	0.1627	2240.0000
7147.0	75.8098	152.5792	0.1633	2252.0000
7147.5	75.5537	145.8354	0.1618	2236.0000
7148.0	75.9482	136.0714	0.1642	2213.0000
7148.5	76.0173	142.4210	0.1646	2250.0000
7149.0	76.0469	142.6326	0.1648	2307.0000
7149.5	75.7460	145.3841	0.1629	2251.0000
7150.0	74.9536	137.9322	0.1580	2264.0000
7150.5	75.8812	141.7890	0.1638	2285.0000
7151.0	76.1242	143.6939	0.1652	2256.0000
7151.5	76.5567	148.8175	0.1678	2257.0000
7152.0	76.5677	153.4495	0.1679	2241.0000
7152.5	74.7131	147.9238	0.1565	2268.0000
7153.0	74.5900	144.9607	0.1558	2283.0000
7153.5	75.4126	137.7644	0.1609	2258.0000
7154.0	76.2303	146.5955	0.1659	2223.0000
7154.5	77.4379	147.8891	0.1730	2271.0000
7155.0	78.0416	148.9711	0.1765	2283.0000
7155.5	78.6448	144.5825	0.1800	2245.0000

7309.0	66.1440	118.6813	0.0959	2355.0000
7308.5	67.5202	123.5873	0.1066	2367.0000
7308.0	67.1192	122.5082	0.1035	2327.0000
7307.5	67.6818	124.8554	0.1079	2311.0000
7307.0	67.3430	120.6416	0.1053	2351.0000
7306.5	66.7450	119.7751	0.1006	2327.0000
7306.0	68.6737	121.2566	0.1153	2375.0000
7305.5	68.4515	125.6820	0.1137	2321.0000
7305.0	68.7187	124.6447	0.1157	2321.0000
7304.5	68.8314	122.4257	0.1165	2329.0000
7304.0	67.5502	119.6741	0.1069	2357.0000
7303.5	67.2463	121.8679	0.1045	2338.0000
7303.0	67.0487	119.4120	0.1030	2327.0000
7302.5	66.9217	119.6034	0.1020	2332.0000
7302.0	66.7617	117.3137	0.1007	2347.0000
7301.5	66.4456	119.9680	0.0983	2322.0000
7301.0	66.6048	119.7766	0.0995	2329.0000
7300.5	66.4774	120.7390	0.0985	2350.0000
7300.0	67.4410	128.4743	0.1060	2329.0000
7299.5	68.9506	131.3349	0.1174	2282.0000
7299.0	69.2309	136.1576	0.1194	2357.0000
7298.5	70.4617	135.2877	0.1283	2335.0000
7298.0	71.9371	135.1786	0.1385	2289.0000
7297.5	72.5012	132.8743	0.1422	2332.0000
7297.0	73.2908	130.9926	0.1475	2324.0000
7296.5	73.3527	131.1826	0.1479	2323.0000
7296.0	72.3154	131.8610	0.1410	2300.0000
7295.5	72.9193	132.0951	0.1450	2284.0000
7295.0	73.6292	135.6680	0.1496	2307.0000
7294.5	73.0787	139.0472	0.1461	2366.0000
7294.0	72.9613	140.6948	0.1453	2363.0000
7293.5	71.7769	146.0331	0.1374	2314.0000
7293.0	70.6782	144.3252	0.1298	2330.0000
7292.5	70.6465	143.9251	0.1296	2292.0000
7292.0	70.4767	140.1153	0.1284	2317.0000
7291.5	70.4427	141.3619	0.1281	2330.0000
7291.0	71.0872	140.7497	0.1326	2325.0000
7290.5	71.5864	138.6331	0.1361	2332.0000
7290.0	72.2634	139.6909	0.1407	2330.0000
7289.5	72.4109	143.4533	0.1416	2341.0000
7289.0	71.8467	151.2845	0.1379	2323.0000
7288.5	71.5949	152.1307	0.1361	2356.0000
7288.0	71.1175	148.9805	0.1329	2338.0000
7287.5	71.0108	140.7031	0.1321	2332.0000
7287.0	70.4663	142.8439	0.1283	2362.0000
7286.5	70.0927	149.1936	0.1257	2363.0000
7286.0	69.7287	143.3783	0.1231	2360.0000
7285.5	69.1874	138.9335	0.1191	2368.0000
7285.0	69.2867	129.5776	0.1199	2350.0000
7284.5	69.1468	133.9342	0.1188	2284.0000
7284.0	70.7670	134.1459	0.1304	2300.0000
7283.5	73.0516	139.4562	0.1456	2308.0000
7283.0	73.7455	143.4776	0.1504	2362.0000
7282.5	74.5075	143.6893	0.1552	2311.0000
7282.0	74.6906	143.0785	0.1564	2291.0000
7281.5	73.6297	141.5969	0.1496	2368.0000
7281.0	72.1743	135.0356	0.1401	2341.0000
7280.5	70.9448	128.0306	0.1317	2326.0000
7280.0	69.9966	122.5069	0.1250	2335.0000
7279.5	69.0087	121.8719	0.1178	2299.0000
7279.0	69.5144	120.8340	0.1215	2329.0000
7278.5	69.6598	120.6225	0.1226	2355.0000
7278.0	69.5681	123.5857	0.1219	2332.0000
7277.5	69.5300	125.8504	0.1216	2354.0000
7277.0	69.7655	130.3387	0.1233	2368.0000
7276.5	70.5641	136.4281	0.1290	2291.0000
7276.0	70.6399	138.1847	0.1295	2263.0000
7275.5	70.6932	136.6541	0.1299	2307.0000
7275.0	70.2228	134.2439	0.1266	2316.0000
7274.5	69.7165	131.7040	0.1230	2301.0000
7274.0	69.5292	129.3811	0.1216	2317.0000
7273.5	69.5480	123.1620	0.1218	2338.0000
7273.0	69.6907	129.5355	0.1228	2354.0000
7272.5	69.3682	133.7435	0.1204	2291.0000
7272.0	69.6111	136.7066	0.1222	2268.0000
7271.5	70.0879	128.6202	0.1256	2304.0000
7271.0	70.4986	131.6294	0.1285	2341.0000
7270.5	70.9715	138.1907	0.1318	2326.0000
7270.0	71.2518	145.6184	0.1338	2339.0000
7269.5	71.2874	135.2473	0.1340	2356.0000
7269.0	71.3840	130.5685	0.1347	2343.0000
7268.5	70.8879	128.2180	0.1313	2307.0000
7268.0	71.3727	134.7793	0.1346	2334.0000
7267.5	71.8769	137.1063	0.1381	2340.0000
7267.0	71.6166	139.0335	0.1363	2305.0000
7266.5	71.4508	141.1501	0.1352	2263.0000
7266.0	71.3108	139.2461	0.1342	2275.0000
7265.5	71.4484	141.8351	0.1351	2365.0000
7265.0	72.1137	139.6733	0.1397	2356.0000
7264.5	72.5807	138.0027	0.1428	2305.0000
7264.0	72.6825	132.4739	0.1448	2281.0000
7263.5	72.8885	132.4739	0.1448	2281.0000
7263.0	74.1608	135.6487	0.1531	2320.0000
7262.5	75.6109	139.6682	0.1621	2324.0000
7262.0	77.1039	144.7479	0.1711	2302.0000
7261.5	78.3849	150.2770	0.1785	2335.0000
7261.0	77.9359	147.2930	0.1759	2321.0000
7260.5	76.7258	147.4794	0.1688	2272.0000
7260.0	75.5483	141.7386	0.1617	2296.0000
7259.5	75.1057	140.5135	0.1590	2290.0000
7259.0	74.6047	138.2104	0.1559	2318.0000
7258.5	74.0515	136.4796	0.1524	2317.0000
7258.0	72.8050	133.5164	0.1443	2304.0000
7257.5	70.1420	123.7994	0.1260	2292.0000
7257.0	68.6753	112.7972	0.1154	2335.0000
7256.5	67.4073	117.0079	0.1058	2352.0000
7256.0	66.9022	116.7771	0.1018	2322.0000
7255.5	66.9937	120.4090	0.1026	2338.0000
7255.0	67.0239	114.5051	0.1028	2333.0000
7254.5	67.9835	110.2551	0.1102	2304.0000
7254.0	69.3373	112.8149	0.1202	2338.0000
7253.5	69.6746	119.3535	0.1227	2351.0000
7253.0	70.3780	130.5432	0.1277	2356.0000
7252.5	71.1396	135.3912	0.1330	2304.0000
7252.0	71.0580	132.8741	0.1324	2266.0000
7251.5	70.7094	130.3580	0.1300	2289.0000
7251.0	70.4453	127.5431	0.1282	2350.0000
7250.5	70.2123	120.5584	0.1265	2307.0000
7250.0	70.1262	122.6962	0.1259	2305.0000
7249.5	70.4468	120.8748	0.1282	2332.0000
7249.0	70.2071	127.4934	0.1265	2309.0000
7248.5	70.2342	123.5015	0.1267	2306.0000
7248.0	70.3141	130.6507	0.1272	2279.0000
7247.5	69.8120	126.7837	0.1237	2291.0000
7247.0	69.6961	126.9454	0.1228	2308.0000
7246.5	69.4062	121.8926	0.1207	2304.0000
7246.0	69.3167	125.9141	0.1201	2321.0000
7245.5	70.8350	129.9559	0.1309	2314.0000
7245.0	72.2984	137.3638	0.1409	2329.0000
7244.5	73.3498	137.1734	0.1478	2306.0000
7244.0	73.7665	136.6836	0.1505	2280.0000
7243.5	73.2946	129.2757	0.1475	2308.0000
7243.0	71.7409	133.9108	0.1371	2315.0000
7242.5	69.8865	128.4549	0.1242	2291.0000
7242.0	69.0640	129.5131	0.1182	2289.0000
7241.5	68.6878	126.9733	0.1154	2330.0000
7241.0	67.9188	127.3964	0.1097	2308.0000
7240.5	69.0571	128.4436	0.1182	2283.0000
7240.0	70.1549	126.4527	0.1261	2307.0000
7239.5	70.5530	127.3190	0.1289	2284.0000
7239.0	71.0844	126.4400	0.1326	2297.0000
7238.5	71.9835	133.5105	0.1388	2291.0000
7238.0	72.8277	144.9399	0.1444	2304.0000
7237.5	73.1531	148.7932	0.1466	2282.0000
7237.0	73.2111	143.2681	0.1469	2301.0000
7236.5	71.6205	139.8816	0.1363	2301.0000
7236.0	70.5196	141.9734	0.1287	2288.0000
7235.5	70.1867	139.4765	0.1263	2288.0000
7235.0	70.1991	130.1831	0.1264	2293.0000
7234.5	70.8101	129.1012	0.1307	2276.0000
7234.0	71.1788	131.6224	0.1333	2266.0000
7233.5	71.4550	133.7195	0.1352	2273.0000
7233.0	71.3583	126.3394	0.1345	2289.0000
7232.5	71.3813	123.1625	0.1347	2311.0000
7232.0	71.4550	133.7195	0.1352	2273.0000
7231.5	71.0516	139.4562	0.1456	2308.0000
7231.0	71.3714	128.4538	0.1346	2268.0000
7230.5	71.2040	127.6076	0.1335	2230.0000
7230.0	71.3972	129.5555	0.1348	2316.0000
7229.5	71.8261	135.2182	0.1377	2338.0000
7229.0	72.3941	141.3531	0.1415	2295.0000
7228.5	72.3540	145.9666	0.1413	2290.0000
7228.0	72.2957	144.7232	0.1409	2301.0000
7227.5	72.0657	139.6666	0.1393	2272.0000
7227.0	72.2954	136.1187	0.1409	2282.0000
7226.5	72.8734	144.3228	0.1447	2284.0000
7226.0	73.5152	150.6473	0.1489	2260.0000
7225.5	74.0157	151.2574	0.1521	2274.0000
7225.0	73.9352	146.2054	0.1516	2310.0000
7224.5	73.1631	141.9975	0.1466	2289.0000
7224.0	72.3619	135.2028	0.1413	2282.0000
7223.5	71.8706	132.2836	0.1380	2213.0000
7223.0	71.5995	129.1088	0.1362	2261.0000
7222.5	71.3684	132.8930	0.1346	2332.0000
7222.0	70.9572	136.6815	0.1317	2314.0000
7221.5	71.0646	143.6661	0.1325	2285.0000
7221.0	70.8567	146.2284	0.1310	2350.0000
7220.5	71.1840	145.2435	0.1333	2297.0000
7220.0	71.3845	151.5651	0.1347	2233.0000
7219.5	71.3536	150.0661	0.1345	2275.0000
7219.0	71.3038	147.4742	0.1341	2302.0000
7218.5	71.0939	140.1205	0.1327	2276.0000
7218.0	70.8272	134.6598	0.1308	2273.0000
7217.5	71.1191	140.3289	0.1329	2239.0000
7217.0	72.1001	142.2077	0.1396	2257.0000
7216.5	72.7449	147.0757	0.1439	2296.0000
7216.0	73.6212	148.3699	0.1496	2233.0000
7215.5	73.4604	143.1012	0.1486	2217.0000
7215.0	72.6121	138.4017	0.1430	2321.0000
7214.5	72.3015	133.1103	0.1409	2300.0000
7214.0	71.3684	133.6995	0.1346	2265.0000
7213.5	71.0473	137.3407	0.1324	2257.0000
7213.0	71.4208	139.8571	0.1349	2280.0000
7212.5	70.7721	141.3618	0.1305	2283.0000
7212.0	70.8148	138.8219	0.1308	2257.0000
7211.5	70.6783	137.1747	0.1298	2263.0000
7211.0	71.1010	130.1496	0.1327	2308.0000
7210.5	71.6340	132.9011	0.1364	2291.0000
7210.0	71.6177	130.9519	0.1363	2259.0000
7209.5	71.6647	139.4587	0.1366	2296.0000
7209.0	71.5340	143.0568	0.1357	2313.0000
7208.5	71.2677	147.4993	0.1339	2301.0000
7208.0	71.2908	143.5004	0.1341	2268.0000
7207.5	70.9275	141.3839	0.1315	2246.0000
7207.0	70.0938	142.8401	0.1257	2233.0000
7206.5	70.1502	142.3943	0.1261	2299.0000
7206.0	70.7985	142.3286	0.1306	2271.0000
7205.5	70.7436	133.9575	0.1303	2275.0000
7205.0	71.0782	140.4933	0.1326	2291.0000
7204.5	71.6498	153.6356	0.1365	2273.0000
7204.0	72.6863	156.4134	0.1435	2235.0000
7203.5	73.5657	163.0002	0.1492	2264.0000
7203.0	74.3842	157.2621	0.1545	2273.0000
7202.5	73.5018	152.1562	0.1488	2282.0000
7202.0	72.6811	140.3035	0.1434	2268.0000
7201.5	71.9445	138.2104	0.1385	2257.0000
7201.0	71.5232	138.3983	0.1356	2284.0000
7200.5	71.5923	137.5517	0.1361	2257.0000
7200.0	71.0807	137.1506	0.1326	2236.0000
7199.5	70.5669	132.6865	0.1290	2238.0000
7199.0	70.2376	134.1681	0.1267	2290.0000
7198.5	70.5693	130.7594	0.1290	2291.0000
7198.0	71.5809	133.9541	0.1360	2271.0000
7197.5	72.1358	132.0493	0.1398	2299.0000
7197.0	72.5635	139.6688	0.1427	2314.0000
7196.5	72.4489	142.4190	0.1419	2317.0000
7196.0	71.3527	140.1119	0.1345	2246.0000
7195.5	71.2756	140.9585	0.1339	2292.0000
7195.0	71.3754	139.4539	0.1346	2311.0000
7194.5	71.9900	139.2211	0.1388	2277.0000
7194.0	72.4572	137.5279	0.1420	2266.0000
7193.5	71.9809	140.9619	0.1388	2295.0000
7193.0	71.2597	142.6839	0.1338	2276.0000
7192.5	70.6553	142.0069	0.1296	2297.0000
7192.0	70.2206	139.0437	0.1266	2279.0000
7191.5	70.3640	138.4016	0.1276	2246.0000
7191.0	71.2112	134.5905	0.1335	2259.0000
7190.5	72.0205	130.9924	0.1390	2280.0000
7190.0	72.5640	134.1225	0.1427	2260.0000
7189.5	72.7795	134.3775	0.1441	2282.0000
7189.0	72.6909	137.7401	0.1435	2313.0000
7188.5	71.9557	138.8215	0.1386	2263.0000
7188.0	71.5463	142.2079	0.1358	2258.0000
7187.5	71.7293	139.7146	0.1371	2246.0000
7187.0	71.4207	138.6101	0.1349	2281.0000
7186.5	71.7405	137.5518	0.1371	2289.0000
7186.0	72.7965	142.1606	0.1442	2240.0000
7185.5	73.4169	141.3603	0.1483	2255.0000
7185.0	73.6568	138.7988	0.1498	2265.0000
7184.5	73.4384	134.8022	0.1484	2230.0000
7184.0	73.1903	135.2256	0.1468	2257.0000
7183.5	72.5078	137.8100	0.1423	2301.0000
7183.0	71.8669	135.6498	0.1380	2321.0000
7182.5	71.8911	141.5761	0.1382	2296.0000
7182.0	70.6900	140.0494	0.1299	2283.0000
7181.5	70.7985	142.3286	0.1306	2271.0000

7309.5	65.4958	120.4132	0.0906	2340.0000
7310.0	65.8976	116.5840	0.0939	2368.0000
7310.5	66.0066	119.3735	0.0948	2339.0000
7311.0	67.1036	119.5654	0.1034	2314.0000
7311.5	67.5487	116.8152	0.1069	2350.0000
7312.0	67.3857	117.2385	0.1056	2322.0000
7312.5	68.0593	117.6217	0.1107	2323.0000
7313.0	68.3318	122.9312	0.1128	2347.0000
7313.5	68.1605	126.9752	0.1115	2338.0000
7314.0	68.7953	134.8226	0.1162	2324.0000
7314.5	68.8483	139.0557	0.1166	2340.0000
7315.0	69.0529	141.1496	0.1181	2349.0000
7315.5	70.5397	136.7071	0.1288	2345.0000
7316.0	70.4138	139.6703	0.1279	2323.0000
7316.5	70.4333	140.4687	0.1281	2298.0000
7317.0	68.9929	144.3240	0.1177	2330.0000
7317.5	67.8466	140.4918	0.1091	2346.0000
7318.0	68.2187	141.0833	0.1119	2324.0000
7318.5	68.6657	142.9645	0.1153	2322.0000
7319.0	69.3729	153.1464	0.1205	2324.0000
7319.5	70.3667	152.3673	0.1276	2306.0000
7320.0	70.6291	149.8275	0.1295	2301.0000
7320.5	70.7835	143.2178	0.1305	2301.0000
7321.0	71.6441	140.5129	0.1365	2333.0000
7321.5	70.6906	139.8779	0.1299	2361.0000
7322.0	70.0753	132.7197	0.1255	2325.0000
7322.5	68.8076	131.4272	0.1163	2298.0000
7323.0	68.0795	128.2523	0.1109	2308.0000
7323.5	68.4838	128.4536	0.1139	2309.0000
7324.0	68.7700	128.0303	0.1161	2309.0000
7324.5	69.4716	128.1988	0.1212	2354.0000
7325.0	70.1875	137.5578	0.1263	2327.0000
7325.5	70.1645	138.1927	0.1262	2333.0000
7326.0	70.6340	141.8106	0.1295	2368.0000
7326.5	70.8456	142.8435	0.1310	2392.0000
7327.0	70.3287	143.4784	0.1273	2348.0000
7327.5	70.0422	147.3122	0.1253	2318.0000
7328.0	69.5044	143.2907	0.1214	2320.0000
7328.5	69.3570	140.9413	0.1204	2335.0000
7329.0	69.3974	135.8156	0.1207	2316.0000
7329.5	70.0188	139.2276	0.1251	2306.0000
7330.0	70.3459	138.2113	0.1275	2309.0000
7330.5	70.6864	143.5228	0.1299	2322.0000
7331.0	70.7012	142.8622	0.1300	2326.0000
7331.5	70.6286	146.2280	0.1295	2307.0000
7332.0	71.1346	143.6893	0.1330	2305.0000
7332.5	70.1409	136.7047	0.1260	2335.0000
7333.0	69.4376	137.7630	0.1209	2372.0000
7333.5	68.7814	132.6643	0.1161	2372.0000
7334.0	67.7246	133.5109	0.1082	2338.0000
7334.5	68.3523	133.9574	0.1129	2384.0000
7335.0	68.9396	137.9984	0.1173	2333.0000
7335.5	69.4860	139.9032	0.1213	2342.0000
7336.0	69.8979	139.8801	0.1243	2335.0000
7336.5	70.0072	139.6685	0.1251	2304.0000
7337.0	70.9119	143.0550	0.1314	2367.0000
7337.5	70.8567	146.8648	0.1310	2381.0000
7338.0	70.8499	147.4995	0.1310	2333.0000
7338.5	71.0292	145.7583	0.1322	2352.0000
7339.0	69.6516	145.5716	0.1225	2374.0000
7339.5	68.7340	148.9818	0.1158	2348.0000
7340.0	67.1055	145.0083	0.1034	2305.0000
7340.5	64.9144	131.0141	0.0858	2358.0000
7341.0	65.2134	118.0842	0.0883	2395.0000
7341.5	65.5570	118.7192	0.0911	2351.0000
7342.0	66.2882	132.4767	0.0970	2362.0000
7342.5	68.6425	140.2811	0.1151	2388.0000
7343.0	68.7721	140.2811	0.1161	2355.0000
7343.5	69.4043	139.0354	0.1207	2363.0000
7344.0	69.4947	138.2346	0.1214	2339.0000
7344.5	70.3649	136.3084	0.1276	2325.0000
7345.0	71.3956	135.8609	0.1348	2313.0000
7345.5	71.0171	136.7075	0.1322	2350.0000
7346.0	70.7683	144.7321	0.1304	2343.0000
7346.5	69.9386	130.9717	0.1246	2327.0000
7347.0	69.1386	128.4535	0.1188	2354.0000
7347.5	68.9980	131.4152	0.1177	2372.0000
7348.0	68.7160	130.4263	0.1157	2311.0000
7348.5	68.5336	131.0176	0.1143	2284.0000
7349.0	68.2498	131.0408	0.1122	2358.0000
7349.5	68.7976	133.5320	0.1163	2342.0000
7350.0	68.9701	135.2244	0.1175	2335.0000
7350.5	68.6869	132.4016	0.1154	2347.0000
7351.0	69.1308	132.1899	0.1187	2329.0000
7351.5	69.0881	127.7798	0.1184	2315.0000
7352.0	68.2959	133.1181	0.1125	2345.0000
7352.5	68.2169	126.9801	0.1119	2354.0000
7353.0	67.4692	131.9458	0.1062	2345.0000
7353.5	67.2447	132.1328	0.1045	2361.0000
7354.0	67.3517	143.7980	0.1053	2324.0000
7354.5	67.4685	138.5836	0.1062	2330.0000
7355.0	67.7927	135.8811	0.1087	2376.0000
7355.5	68.4296	138.3991	0.1135	2331.0000
7356.0	68.6679	143.7158	0.1153	2297.0000
7356.5	69.4997	139.9406	0.1214	2282.0000
7357.0	69.7854	133.6108	0.1235	2301.0000
7357.5	69.4060	130.3576	0.1207	2320.0000
7358.0	69.2037	138.3660	0.1192	2333.0000
7358.5	68.6062	143.1870	0.1148	2325.0000
7359.0	68.6267	144.7510	0.1150	2321.0000
7359.5	68.9625	141.1528	0.1175	2332.0000
7360.0	69.5844	134.7264	0.1220	2340.0000
7360.5	69.3946	133.0293	0.1206	2331.0000
7361.0	69.2611	126.0247	0.1197	2327.0000
7361.5	68.9919	133.5334	0.1177	2314.0000
7362.0	69.0269	128.8578	0.1180	2338.0000
7362.5	69.1180	134.6718	0.1186	2327.0000
7363.0	69.2420	131.8732	0.1195	2342.0000
7363.5	69.3450	138.4985	0.1203	2380.0000
7364.0	69.6284	142.0173	0.1223	2334.0000
7364.5	69.4616	137.5339	0.1211	2347.0000
7365.0	69.6109	143.4027	0.1222	2358.0000
7365.5	69.8572	137.6663	0.1240	2352.0000
7366.0	70.5414	144.2890	0.1288	2359.0000
7366.5	70.7653	132.5206	0.1304	2364.0000
7367.0	71.3656	136.3522	0.1346	2387.0000
7367.5	70.6552	129.5027	0.1296	2321.0000
7368.0	69.4999	129.6427	0.1214	2334.0000
7368.5	69.3393	127.3486	0.1202	2304.0000
7369.0	69.2135	128.6978	0.1193	2324.0000
7369.5	69.5075	135.2135	0.1215	2338.0000
7370.0	69.5843	144.3402	0.1220	2304.0000
7370.5	69.6968	143.0925	0.1228	2321.0000
7371.0	70.5424	143.9847	0.1288	2349.0000
7371.5	70.8440	139.1656	0.1310	2336.0000
7372.0	70.7683	144.7321	0.1304	2343.0000
7372.5	70.7051	146.1657	0.1300	2275.0000
7373.0	70.1216	143.9642	0.1259	2326.0000
7373.5	68.9898	139.6565	0.1177	2373.0000
7374.0	69.0923	143.7259	0.1184	2361.0000
7374.5	68.6884	140.3159	0.1155	2324.0000
7375.0	68.6630	142.3563	0.1153	2363.0000
7375.5	68.5383	141.5271	0.1143	2283.0000
7376.0	69.4937	146.1351	0.1214	2304.0000
7376.5	69.6423	146.6691	0.1224	2338.0000
7377.0	69.3037	141.9953	0.1200	2304.0000
7377.5	69.1914	138.9180	0.1192	2321.0000
7378.0	67.9926	142.8905	0.1102	2370.0000
7378.5	66.7484	135.0592	0.1006	2340.0000
7379.0	68.0103	131.6585	0.1104	2336.0000
7379.5	68.3820	131.0490	0.1132	2336.0000
7380.0	68.3444	137.6352	0.1129	2338.0000
7380.5	69.6819	145.0329	0.1227	2322.0000
7381.0	68.7250	134.6418	0.1157	2327.0000
7381.5	68.3204	140.7874	0.1127	2283.0000
7382.0	68.3474	138.8579	0.1129	2308.0000
7382.5	70.4084	150.3397	0.1279	2333.0000
7383.0	71.9333	148.4023	0.1384	2334.0000
7383.5	71.9771	144.7605	0.1387	2306.0000
7384.0	72.0725	141.6382	0.1394	2320.0000
7384.5	70.9611	132.9603	0.1318	2331.0000
7385.0	69.9182	136.5785	0.1244	2338.0000
7385.5	69.8868	132.4720	0.1242	2324.0000
7386.0	69.4926	136.9168	0.1213	2314.0000
7386.5	70.1748	140.7677	0.1262	2333.0000
7387.0	70.2369	139.8347	0.1267	2331.0000
7387.5	70.1621	146.3442	0.1262	2339.0000
7388.0	70.1931	141.0583	0.1264	2355.0000
7388.5	69.2897	141.1448	0.1199	2296.0000
7389.0	69.3186	131.9638	0.1201	2316.0000
7389.5	69.3603	125.3795	0.1204	2325.0000
7390.0	69.8842	119.8519	0.1242	2335.0000
7390.5	69.2479	115.3271	0.1196	2384.0000
7391.0	69.0648	118.5820	0.1182	2348.0000
7391.5	69.5066	115.8200	0.1215	2291.0000
7392.0	69.7662	116.2433	0.1233	2314.0000
7392.5	69.9222	115.1542	0.1244	2306.0000
7393.0	70.2533	118.5565	0.1268	2284.0000
7393.5	70.9288	126.2854	0.1315	2265.0000
7394.0	70.5106	130.0460	0.1286	2286.0000
7394.5	70.3062	132.3935	0.1272	2317.0000
7395.0	70.4618	126.9087	0.1283	2326.0000
7395.5	68.5788	118.4609	0.1146	2323.0000
7396.0	64.6144	107.6665	0.0833	2281.0000
7396.5	63.4493	95.0140	0.0734	2291.0000
7397.0	64.1871	97.7471	0.0797	2289.0000
7397.5	64.0642	113.4095	0.0787	2304.0000
7398.0	68.5272	133.9773	0.1143	2314.0000
7398.5	70.1181	137.4279	0.1258	2324.0000
7399.0	70.6832	137.4508	0.1298	2336.0000
7399.5	71.5933	136.6073	0.1361	2332.0000
7400.0	72.1222	137.1781	0.1397	2301.0000
7400.5	71.3949	130.3823	0.1348	2282.0000
7401.0	69.8610	122.4473	0.1240	2326.0000
7401.5	68.6353	117.1177	0.1151	2320.0000
7402.0	67.9272	117.1177	0.1097	2305.0000
7402.5	67.9761	116.0048	0.1101	2296.0000
7403.0	69.1281	117.5247	0.1187	2307.0000
7403.5	69.7834	120.8900	0.1234	2300.0000
7404.0	70.0566	122.0028	0.1254	2314.0000
7404.5	69.9280	118.3866	0.1245	2289.0000
7405.0	68.5755	111.8980	0.1146	2301.0000
7405.5	67.9446	114.3269	0.1099	2318.0000
7406.0	68.2384	116.6731	0.1121	2322.0000
7406.5	68.8022	122.3410	0.1163	2324.0000
7407.0	70.5822	126.9974	0.1291	2313.0000
7407.5	72.0275	136.9210	0.1391	2304.0000
7408.0	72.3054	141.4307	0.1409	2308.0000
7408.5	72.2386	135.3132	0.1405	2313.0000
7409.0	70.6313	126.0903	0.1295	2292.0000
7409.5	70.3014	123.9041	0.1271	2326.0000
7410.0	70.1414	124.7095	0.1260	2293.0000
7410.5	69.6440	125.4110	0.1224	2327.0000
7411.0	69.8563	118.6195	0.1240	2354.0000
7411.5	70.3855	117.0732	0.1277	2304.0000

7514.5	76.5474	158.1922	0.1678	2352.0000
7515.0	76.8982	148.6725	0.1699	2325.0000
7515.5	77.1685	155.7082	0.1714	2367.0000
7516.0	78.7390	167.8200	0.1805	2377.0000
7516.5	74.8779	187.3151	0.1576	2335.0000
7517.0	75.9077	187.7067	0.1639	2338.0000
7517.5	77.2615	198.3271	0.1720	2359.0000
7518.0	76.6644	209.5448	0.1685	2397.0000
7518.5	81.4496	227.5664	0.1953	2435.0000
7519.0	80.2868	224.7288	0.1891	2426.0000
7519.5	79.1895	217.0165	0.1830	2390.0000
7520.0	79.0333	201.5055	0.1821	2350.0000
7520.5	79.1241	189.9433	0.1827	2300.0000
7521.0	79.1500	183.2631	0.1828	2331.0000
7521.5	79.1917	186.9357	0.1830	2348.0000
7522.0	79.4637	201.4717	0.1845	2333.0000
7522.5	80.3341	221.5789	0.1893	2310.0000
7523.0	80.6227	237.3989	0.1909	2379.0000
7523.5	80.4977	233.0649	0.1902	2424.0000
7524.0	80.1284	219.5189	0.1882	2408.0000
7524.5	79.7376	204.3196	0.1861	2346.0000
7525.0	79.8202	192.1824	0.1865	2338.0000
7525.5	79.9343	187.9937	0.1871	2331.0000
7526.0	80.7486	196.6349	0.1916	2329.0000
7526.5	82.8360	213.0686	0.2025	2376.0000
7527.0	77.7684	205.8749	0.1749	2387.0000
7527.5	73.2910	178.3963	0.1475	2440.0000
7528.0	66.7458	131.0238	0.1006	2334.0000
7528.5	60.0291	103.0238	0.0419	2302.0000
7529.0	62.7087	88.8429	0.0669	2288.0000
7529.5	62.7935	91.8278	0.0676	2313.0000
7530.0	63.3142	91.1932	0.0722	2327.0000
7530.5	59.3111	82.5672	0.0349	2370.0000
7531.0	57.1070	80.0429	0.0121	2362.0000
7531.5	57.9566	79.6339	0.0211	2343.0000
7532.0	57.6934	77.0320	0.0183	2362.0000
7532.5	56.5128	65.4623	0.0057	2341.0000
7533.0	53.6134	51.4789	-0.0278	2425.0000
7533.5	51.8114	42.5996	-0.0505	2387.0000
7534.0	51.2335	41.2661	-0.0581	2326.0000
7534.5	51.3057	43.4230	-0.0572	2334.0000
7535.0	52.8042	52.3023	-0.0378	2408.0000
7535.5	55.4001	62.4540	-0.0068	2446.0000
7536.0	60.7721	85.4785	0.0491	2372.0000
7536.5	64.5587	105.0505	0.0829	2292.0000
7537.0	66.5036	121.1573	0.0987	2320.0000
7537.5	67.5969	119.9070	0.1072	2471.0000
7538.0	66.7072	117.0473	0.1003	2421.0000
7538.5	65.0725	113.4338	0.0871	2346.0000
7539.0	64.2520	111.5289	0.0803	2350.0000
7539.5	63.9606	110.2596	0.0778	2400.0000
7540.0	63.1789	108.6726	0.0710	2349.0000
7540.5	62.0253	103.3812	0.0607	2340.0000
7541.0	61.9117	96.2028	0.0597	2300.0000
7541.5	62.3842	91.2072	0.0640	2326.0000
7542.0	63.0917	99.9809	0.0703	2382.0000
7542.5	64.7859	117.9716	0.0848	2356.0000
7543.0	65.0494	127.2388	0.0869	2356.0000
7543.5	66.4094	123.3510	0.0980	2413.0000
7544.0	68.4600	128.0522	0.1138	2368.0000
7544.5	73.4499	136.3682	0.1485	2370.0000
7545.0	78.8169	157.4874	0.1809	2365.0000
7545.5	81.2578	161.6756	0.1943	2313.0000
7546.0	82.1388	161.4395	0.1989	2343.0000
7546.5	80.3453	154.9205	0.1894	2334.0000
7547.0	76.3971	144.7384	0.1669	2343.0000
7547.5	75.9279	147.5404	0.1640	2392.0000
7548.0	76.5918	146.8915	0.1680	2349.0000
7548.5	77.9887	162.9693	0.1762	2323.0000
7549.0	81.3493	169.2930	0.1948	2347.0000
7549.5	81.8269	181.5690	0.1973	2387.0000
7550.0	80.1067	175.2500	0.1881	2359.0000
7550.5	80.4351	175.1629	0.1899	2360.0000
7551.0	79.6005	173.7115	0.1853	2408.0000
7551.5	79.9882	178.3679	0.1874	2396.0000
7552.0	80.2368	172.1054	0.1888	2405.0000
7552.5	77.9196	170.1702	0.1758	2357.0000
7553.0	77.3755	165.6979	0.1727	2335.0000
7553.5	77.5236	166.3329	0.1735	2351.0000
7554.0	78.7605	160.8033	0.1806	2340.0000
7554.5	80.9953	172.4385	0.1929	2340.0000
7555.0	81.0296	171.6177	0.1931	2357.0000
7555.5	80.7128	176.5123	0.1914	2359.0000
7556.0	81.1322	170.1960	0.1936	2367.0000
7556.5	80.2245	169.5098	0.1887	2381.0000
7557.0	79.6796	164.4301	0.1857	2352.0000
7557.5	79.9542	159.1111	0.1872	2363.0000
7558.0	79.1115	160.8035	0.1826	2356.0000
7558.5	78.9756	162.9201	0.1818	2336.0000
7559.0	79.4744	164.6694	0.1846	2372.0000
7559.5	79.0679	174.8237	0.1823	2422.0000
7560.0	78.6860	167.2041	0.1802	2358.0000
7560.5	79.4262	162.7309	0.1843	2329.0000
7561.0	79.6217	155.0496	0.1854	2355.0000
7561.5	80.0815	159.2569	0.1879	2366.0000
7562.0	79.9615	160.6846	0.1873	2363.0000
7562.5	79.9721	159.9583	0.1873	2357.0000
7563.0	79.6196	160.8307	0.1854	2358.0000
7563.5	79.1805	157.6844	0.1830	2425.0000
7564.0	79.0910	149.6143	0.1825	2374.0000
7564.5	79.3592	146.8628	0.1840	2347.0000
7565.0	79.1372	142.4434	0.1827	2325.0000

7642.5	77.3729	131.3497	0.1726	2349.0000
7643.0	77.5176	137.2987	0.1735	2377.0000
7643.5	77.7442	149.9751	0.1748	2356.0000
7644.0	77.9413	152.7008	0.1759	2332.0000
7644.5	78.3215	155.0004	0.1781	2316.0000
7645.0	78.6021	159.5332	0.1797	2331.0000
7645.5	79.2601	163.4607	0.1834	2385.0000
7646.0	79.5978	169.4156	0.1853	2402.0000
7646.5	79.8474	163.7493	0.1867	2371.0000
7647.0	79.8962	162.1488	0.1869	2375.0000
7647.5	79.6313	156.6187	0.1855	2417.0000
7648.0	79.2234	157.0181	0.1832	2355.0000
7648.5	78.8556	159.5255	0.1812	2342.0000
7649.0	78.6125	160.0075	0.1798	2368.0000
7649.5	78.5981	158.7131	0.1797	2370.0000
7650.0	78.5421	156.2058	0.1794	2364.0000
7650.5	78.5860	153.4574	0.1796	2384.0000
7651.0	78.6110	155.3871	0.1798	2360.0000
7651.5	78.4503	151.7731	0.1789	2380.0000
7652.0	78.2226	149.6217	0.1776	2368.0000
7652.5	78.0324	150.8542	0.1765	2313.0000
7653.0	78.0700	151.2949	0.1767	2359.0000
7653.5	78.0486	147.1017	0.1766	2408.0000
7654.0	78.3683	143.5398	0.1784	2376.0000
7654.5	78.6362	144.1745	0.1799	2357.0000
7655.0	78.6138	152.8140	0.1798	2379.0000
7655.5	78.8034	153.0021	0.1809	2387.0000
7656.0	78.7793	148.7527	0.1807	2370.0000
7656.5	78.6340	140.2393	0.1799	2340.0000
7657.0	78.5632	147.7527	0.1795	2354.0000
7657.5	78.3032	153.9061	0.1780	2422.0000
7658.0	78.4377	157.7615	0.1788	2412.0000
7658.5	78.8676	156.3425	0.1812	2376.0000
7659.0	78.8864	154.4967	0.1813	2356.0000
7659.5	78.6505	155.9528	0.1800	2383.0000
7660.0	79.0254	154.3032	0.1821	2364.0000
7660.5	78.7788	157.2796	0.1807	2359.0000
7661.0	78.6177	156.0103	0.1798	2331.0000
7661.5	78.5256	152.4713	0.1793	2385.0000
7662.0	77.3855	147.3212	0.1727	2424.0000
7662.5	74.9954	147.5079	0.1583	2393.0000
7663.0	74.3813	151.8460	0.1545	2316.0000
7663.5	74.2598	149.1191	0.1537	2333.0000
7664.0	74.1179	153.6303	0.1528	2391.0000
7664.5	73.5389	154.7093	0.1491	2405.0000
7665.0	73.3517	149.6343	0.1478	2370.0000
7665.5	72.9120	141.1285	0.1450	2400.0000
7666.0	72.8224	139.3409	0.1444	2431.0000
7666.5	74.9905	151.1888	0.1583	2364.0000
7667.0	75.2202	152.8931	0.1597	2384.0000
7667.5	75.1756	143.0666	0.1594	2414.0000

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7693.5	73.6302	142.9800	0.1497	2384.0000
7694.0	73.6640	150.3969	0.1499	2380.0000
7694.5	73.4218	148.4676	0.1483	2384.0000
7695.0	73.0181	147.7874	0.1457	2371.0000
7695.5	72.4636	148.1845	0.1420	2355.0000
7696.0	72.1342	143.8654	0.1398	2372.0000
7696.5	71.8898	138.8654	0.1381	2435.0000
7697.0	71.8226	135.8830	0.1377	2398.0000
7697.5	71.6487	141.4719	0.1365	2360.0000
7698.0	71.5756	140.4355	0.1360	2391.0000
7698.5	71.4654	137.9518	0.1353	2384.0000
7699.0	71.2813	132.1132	0.1340	2402.0000
7699.5	70.9361	132.7482	0.1316	2335.0000
7700.0	70.0973	125.2563	0.1257	2338.0000
7700.5	69.5009	129.6134	0.1214	2392.0000
7701.0	68.9530	127.6878	0.1174	2420.0000
7701.5	67.4156	129.2592	0.1058	2360.0000
7702.0	66.5119	120.3857	0.0988	2405.0000
7702.5	65.6919	114.6917	0.0922	2391.0000
7703.0	65.4031	120.2125	0.0899	2384.0000
7703.5	65.7053	123.7994	0.0923	2407.0000
7704.0	65.5720	123.8509	0.0912	2412.0000
7704.5	65.0825	117.9072	0.0872	2365.0000
7705.0	65.0526	115.8253	0.0870	2384.0000
7705.5	64.4986	126.4810	0.0824	2410.0000
7706.0	64.3516	118.0393	0.0811	2388.0000
7706.5	63.9155	110.5920	0.0774	2366.0000
7707.0	63.1349	97.4425	0.0706	2368.0000
7707.5	62.7928	95.6507	0.0676	2413.0000
7708.0	62.0415	103.9254	0.0609	2439.0000
7708.5	62.8259	107.8307	0.0679	2408.0000
7709.0	63.9194	113.7610	0.0774	2425.0000
7709.5	64.6585	113.7208	0.0837	2441.0000
7710.0	65.1653	120.3007	0.0879	2390.0000
7710.5	66.0212	129.3015	0.0949	2363.0000
7711.0	66.2919	130.8449	0.0970	2374.0000
7711.5	67.2513	121.4932	0.1046	2352.0000
7712.0	67.8305	126.3355	0.1090	2399.0000
7712.5	68.2182	130.1036	0.1119	2392.0000
7713.0	69.2915	134.1845	0.1199	2399.0000
7713.5	69.9220	131.8336	0.1244	2422.0000
7714.0	70.1100	128.9962	0.1258	2397.0000
7714.5	70.3811	132.1296	0.1277	2446.0000
7715.0	70.1322	129.6866	0.1259	2373.0000
7715.5	69.9483	130.6192	0.1246	2408.0000
7716.0	69.9716	131.9099	0.1248	2430.0000
7716.5	70.4787	131.8857	0.1284	2458.0000
7717.0	71.8709	137.8368	0.1380	2427.0000
7717.5	73.3496	137.1807	0.1478	2431.0000
7718.0	75.4221	141.7659	0.1609	2431.0000
7718.5	76.8724	141.9280	0.1697	2388.0000
7719.0	77.4504	152.3202	0.1731	2384.0000
7719.5	77.6702	156.0903	0.1744	2395.0000
7720.0	78.0302	157.4105	0.1765	2399.0000
7720.5	78.4050	151.6958	0.1786	2375.0000
7721.0	78.6354	142.0237	0.1799	2406.0000
7721.5	78.5329	143.6158	0.1793	2425.0000
7722.0	78.0940	147.4002	0.1768	2402.0000
7722.5	77.6558	158.4901	0.1743	2384.0000
7723.0	77.3172	158.5395	0.1723	2366.0000
7723.5	77.2024	154.5434	0.1716	2407.0000
7724.0	77.1968	148.9019	0.1716	2430.0000
7724.5	77.5792	141.9208	0.1738	2392.0000
7725.0	77.9520	145.3073	0.1760	2442.0000
7725.5	78.2664	143.6938	0.1778	2388.0000
7726.0	78.5842	152.1288	0.1796	2417.0000
7726.5	78.6661	150.6715	0.1801	2426.0000
7727.0	78.6934	157.2463	0.1802	2396.0000
7727.5	78.4763	154.5488	0.1790	2402.0000
7728.0	78.2810	160.2120	0.1779	2414.0000
7728.5	77.9755	161.1189	0.1761	2406.0000
7729.0	77.7690	164.6621	0.1749	2377.0000
7729.5	77.8793	164.5372	0.1756	2396.0000
7730.0	77.8906	162.9787	0.1757	2402.0000
7730.5	77.9118	159.4680	0.1758	2377.0000
7731.0	77.9313	156.4197	0.1759	2384.0000
7731.5	77.9662	151.9749	0.1761	2366.0000
7732.0	77.8577	151.0410	0.1755	2413.0000
7732.5	77.8709	149.1863	0.1755	2402.0000
7733.0	77.6282	153.3472	0.1741	2395.0000
7733.5	77.2871	147.6873	0.1721	2393.0000
7734.0	77.4617	141.6499	0.1732	2402.0000
7734.5	77.4882	143.2037	0.1733	2426.0000
7735.0	77.8812	145.6963	0.1756	2373.0000
7735.5	78.1271	152.0975	0.1770	2352.0000
7736.0	78.0642	152.0975	0.1767	2372.0000
7736.5	78.1695	151.4377	0.1773	2368.0000
7737.0	77.9781	155.2556	0.1762	2364.0000
7737.5	77.5406	149.7525	0.1736	2349.0000
7738.0	77.4380	149.9291	0.1730	2354.0000
7738.5	77.4255	146.3827	0.1730	2351.0000
7739.0	77.4313	152.5206	0.1730	2388.0000
7739.5	77.4630	156.6517	0.1732	2395.0000
7740.0	77.4283	154.9335	0.1730	2359.0000
7740.5	76.7357	152.3671	0.1689	2415.0000
7741.0	76.6175	150.5008	0.1682	2391.0000
7741.5	76.7702	151.1847	0.1691	2396.0000
7742.0	76.9869	153.1161	0.1704	2420.0000
7742.5	77.4909	156.8585	0.1733	2362.0000
7743.0	78.2337	156.4346	0.1776	2384.0000
7743.5	78.4994	151.9899	0.1772	2412.0000
7744.0	78.7894	158.3364	0.1808	2398.0000

7924.0	81.9473	174.7665	0.1979	2474.0000
7924.5	82.5318	177.3064	0.2009	2484.0000
7925.0	82.9498	179.7854	0.2031	2440.0000
7925.5	83.0811	181.3272	0.2037	2454.0000
7926.0	83.1078	177.7569	0.2039	2459.0000
7926.5	83.4104	172.9497	0.2054	2446.0000
7927.0	83.1712	166.7842	0.2042	2490.0000
7927.5	83.1202	167.9970	0.2039	2467.0000
7928.0	83.1115	166.5154	0.2039	2444.0000
7928.5	83.2525	172.6809	0.2046	2489.0000
7929.0	83.4122	177.1550	0.2054	2477.0000
7929.5	83.7040	174.5891	0.2069	2434.0000
7930.0	83.6434	177.0654	0.2066	2371.0000
7930.5	84.5382	187.4046	0.2110	2417.0000
7931.0	85.8559	212.1559	0.2173	2484.0000
7931.5	87.6344	249.8940	0.2256	2485.0000
7932.0	89.3756	289.9287	0.2334	2442.0000
7932.5	90.9351	343.2390	0.2401	2454.0000
7933.0	93.4436	401.0965	0.2504	2499.0000
7933.5	93.7601	457.9631	0.2517	2474.0000
7934.0	92.7769	465.4772	0.2478	2462.0000
7934.5	91.2673	423.3769	0.2415	2441.0000
7935.0	88.5389	363.1238	0.2297	2482.0000
7935.5	88.7035	344.7282	0.2304	2504.0000
7936.0	90.1678	365.0954	0.2368	2507.0000
7936.5	92.4474	391.9235	0.2464	2507.0000
7937.0	89.7449	396.0354	0.2350	2481.0000
7937.5	84.0033	348.6934	0.2083	2506.0000
7938.0	81.0848	278.4761	0.1934	2456.0000
7938.5	73.4890	205.2801	0.1487	2438.0000
7939.0	72.4560	169.9338	0.1419	2446.0000
7939.5	79.8232	180.6385	0.1865	2450.0000
7940.0	80.9760	205.0411	0.1928	2420.0000
7940.5	83.4640	224.9366	0.2057	2432.0000
7941.0	87.7055	216.5265	0.2259	2438.0000
7941.5	83.9323	202.7317	0.2080	2417.0000
7942.0	81.5451	171.8301	0.1958	2431.0000
7942.5	79.0950	136.5245	0.1825	2534.0000
7943.0	71.2485	100.7548	0.1338	2503.0000
7943.5	65.6349	81.4820	0.0917	2476.0000
7944.0	64.7327	83.7859	0.0843	2534.0000
7944.5	65.4707	83.7984	0.0904	2571.0000
7945.0	67.1759	91.2186	0.1040	2616.0000
7945.5	69.0020	95.6611	0.1178	2482.0000
7946.0	67.9487	107.5013	0.1099	2462.0000
7946.5	69.2867	107.2817	0.1199	2490.0000
7947.0	70.3650	106.2428	0.1276	2471.0000
7947.5	72.1306	109.2059	0.1398	2455.0000
7948.0	73.1701	115.9868	0.1467	2479.0000
7948.5	74.9016	118.6246	0.1577	2467.0000
7949.0	72.8241	111.0211	0.1444	2502.0000

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7949.5	71.7001	101.4967	0.1369	2482.0000
7950.0	71.8005	97.9939	0.1375	2409.0000
7950.5	70.6950	105.1740	0.1299	2491.0000
7951.0	71.0763	117.4500	0.1326	2604.0000
7951.5	69.9045	114.6999	0.1243	2466.0000
7952.0	71.2047	109.6202	0.1335	2543.0000
7952.5	72.7227	109.8318	0.1437	2593.0000
7953.0	70.7941	118.9069	0.1306	2494.0000
7953.5	70.8889	120.8118	0.1313	2412.0000
7954.0	67.6333	120.8388	0.1075	2441.0000
7954.5	62.6418	109.6641	0.0663	2501.0000
7955.0	63.6864	107.7592	0.0754	2518.0000
7955.5	65.3765	105.3845	0.0896	2440.0000
7956.0	68.8679	121.6820	0.1168	2416.0000
7956.5	71.9083	137.5561	0.1383	2508.0000
7957.0	72.0307	144.7487	0.1391	2493.0000
7957.5	72.0066	143.0555	0.1389	2454.0000
7958.0	71.7585	140.9315	0.1373	2473.0000
7958.5	70.6545	141.8248	0.1296	2544.0000
7959.0	70.0176	135.2635	0.1251	2573.0000
7959.5	68.8438	123.4183	0.1166	2518.0000
7960.0	64.8023	104.1202	0.0849	2525.0000
7960.5	63.8014	92.0559	0.0764	2472.0000
7961.0	63.2962	94.5957	0.0720	2446.0000
7961.5	62.0432	100.9422	0.0609	2452.0000
7962.0	64.5626	105.8103	0.0829	2454.0000
7962.5	63.7673	101.9656	0.0761	2449.0000
7963.0	63.8544	101.5594	0.0769	2502.0000
7963.5	65.0961	97.5524	0.0873	2466.0000
7964.0	64.5367	102.6670	0.0827	2439.0000
7964.5	64.1438	103.7252	0.0794	2447.0000
7965.0	61.2531	103.4992	0.0536	2471.0000
7965.5	61.0784	89.6822	0.0520	2513.0000
7966.0	60.5975	81.4276	0.0474	2491.0000
7966.5	60.6251	84.2142	0.0477	2477.0000
7967.0	63.0369	90.8962	0.0698	2539.0000
7967.5	65.4786	98.2160	0.0905	2596.0000
7968.0	66.1170	105.3093	0.0956	2546.0000
7968.5	66.1091	105.9591	0.0956	2462.0000
7969.0	66.4752	114.9966	0.0985	2467.0000
7969.5	66.9307	121.3630	0.1021	2518.0000
7970.0	68.2307	124.1402	0.1120	2483.0000
7970.5	68.7669	121.8257	0.1160	2517.0000
7971.0	68.5995	117.0674	0.1148	2543.0000
7971.5	68.5504	120.4480	0.1144	2467.0000
7972.0	68.2024	118.3541	0.1118	2531.0000
7972.5	68.3088	111.8103	0.1126	2472.0000
7973.0	67.9778	104.8016	0.1101	2441.0000
7973.5	67.8057	103.7592	0.1088	2534.0000
7974.0	67.6798	101.7882	0.1079	2538.0000
7974.5	67.5319	100.8181	0.1071	2543.0000
7975.0	67.4752	99.9966	0.1066	2548.0000
7975.5	67.4678	99.3307	0.1064	2553.0000
7976.0	67.4699	99.0000	0.1066	2559.0000
7976.5	67.5180	99.0000	0.1072	2564.0000
7977.0	67.6376	99.0000	0.1082	2569.0000
7977.5	67.8343	99.0000	0.1096	2574.0000
7978.0	68.1123	99.0000	0.1113	2579.0000
7978.5	68.4363	99.0000	0.1133	2584.0000
7979.0	68.8840	99.0000	0.1157	2589.0000
7979.5	69.3900	99.0000	0.1183	2594.0000
7980.0	69.9933	99.0000	0.1213	2599.0000
7980.5	70.6540	99.0000	0.1247	2604.0000
7981.0	71.3718	99.0000	0.1285	2609.0000
7981.5	72.1529	99.0000	0.1327	2614.0000
7982.0	73.0000	99.0000	0.1373	2619.0000
7982.5	73.8471	99.0000	0.1423	2624.0000
7983.0	74.7429	99.0000	0.1477	2629.0000
7983.5	75.6861	99.0000	0.1535	2634.0000
7984.0	76.6766	99.0000	0.1597	2639.0000
7984.5	77.7144	99.0000	0.1663	2644.0000
7985.0	78.7994	99.0000	0.1733	2649.0000
7985.5	79.9317	99.0000	0.1807	2654.0000
7986.0	81.1113	99.0000	0.1885	2659.0000
7986.5	82.3381	99.0000	0.1967	2664.0000
7987.0	83.6122	99.0000	0.2053	2669.0000
7987.5	84.9336	99.0000	0.2143	2674.0000
7988.0	86.3023	99.0000	0.2237	2679.0000
7988.5	87.7183	99.0000	0.2335	2684.0000
7989.0	89.1816	99.0000	0.2437	2689.0000
7989.5	90.6922	99.0000	0.2543	2694.0000
7990.0	92.2502	99.0000	0.2653	2699.0000
7990.5	93.8556	99.0000	0.2767	2704.0000
7991.0	95.5083	99.0000	0.2885	2709.0000
7991.5	97.2084	99.0000	0.3007	2714.0000
7992.0	98.9559	99.0000	0.3133	2719.0000
7992.5	100.7507	99.0000	0.3263	2724.0000
7993.0	102.5929	99.0000	0.3397	2729.0000
7993.5	104.4825	99.0000	0.3535	2734.0000
7994.0	106.4195	99.0000	0.3677	2739.0000
7994.5	108.4039	99.0000	0.3823	2744.0000
7995.0	110.4357	99.0000	0.3973	2749.0000
7995.5	112.5149	99.0000	0.4127	2754.0000
7996.0	114.6415	99.0000	0.4285	2759.0000
7996.5	116.8155	99.0000	0.4447	2764.0000
7997.0	119.0369	99.0000	0.4613	2769.0000
7997.5	121.3057	99.0000	0.4783	2774.0000
7998.0	123.6220	99.0000	0.4957	2779.0000
7998.5	125.9856	99.0000	0.5135	2784.0000
7999.0	128.3967	99.0000	0.5317	2789.0000
7999.5	130.8552	99.0000	0.5503	2794.0000
8000.0	133.3611	99.0000	0.5693	2799.0000
8000.5	135.9145	99.0000	0.5887	2804.0000
8001.0	138.5153	99.0000	0.6085	2809.0000
8001.5	141.1635	99.0000	0.6287	2814.0000
8002.0	143.8592	99.0000	0.6493	2819.0000
8002.5	146.6023	99.0000	0.6703	2824.0000
8003.0	149.3928	99.0000	0.6917	2829.0000
8003.5	152.2308	99.0000	0.7135	2834.0000
8004.0	155.1162	99.0000	0.7357	2839.0000
8004.5	158.0490	99.0000	0.7583	2844.0000
8005.0	161.0293	99.0000	0.7813	2849.0000
8005.5	164.0570	99.0000	0.8047	2854.0000
8006.0	167.1322	99.0000	0.8285	2859.0000
8006.5	170.2548	99.0000	0.8527	2864.0000
8007.0	173.4248	99.0000	0.8773	2869.0000
8007.5	176.6423	99.0000	0.9023	2874.0000
8008.0	179.9072	99.0000	0.9277	2879.0000
8008.5	183.2195	99.0000	0.9535	2884.0000
8009.0	186.5793	99.0000	0.9797	2889.0000
8009.5	189.9865	99.0000	1.0063	2894.0000
8010.0	193.4411	99.0000	1.0333	2899.0000
8010.5	196.9431	99.0000	1.0607	2904.0000
8011.0	200.4926	99.0000	1.0885	2909.0000
8011.5	204.0894	99.0000	1.1167	2914.0000
8012.0	207.7337	99.0000	1.1453	2919.0000
8012.5	211.4253	99.0000	1.1743	2924.0000
8013.0	215.1644	99.0000	1.2037	2929.0000
8013.5	218.9509	99.0000	1.2335	2934.0000
8014.0	222.7848	99.0000	1.2637	2939.0000
8014.5	226.6661	99.0000	1.2943	2944.0000
8015.0	230.5948	99.0000	1.3253	2949.0000
8015.5	234.5709	99.0000	1.3567	2954.0000
8016.0	238.5944	99.0000	1.3885	2959.0000
8016.5	242.6653	99.0000	1.4207	2964.0000
8017.0	246.7836	99.0000	1.4533	2969.0000
8017.5	250.9493	99.0000	1.4863	2974.0000
8018.0	255.1624	99.0000	1.5197	2979.0000
8018.5	259.4229	99.0000	1.5535	2984.0000
8019.0	263.7308	99.0000	1.5877	2989.0000
8019.5	268.0861	99.0000	1.6223	2994.0000
8020.0	272.4888	99.0000	1.6573	2999.0000
8020.5	276.9389	99.0000	1.6927	3004.0000
8021.0	281.4364	99.0000	1.7285	3009.0000
8021.5	285.9813	99.0000	1.7647	3014.0000
8022.0	290.5736	99.0000	1.8013	3019.0000
8022.5	295.2133	99.0000	1.8383	3024.0000
8023.0	299.9004	99.0000	1.8757	3029.0000
8023.5	304.6350	99.0000	1.9135	3034.0000
8024.0	309.4170	99.0000	1.9517	3039.0000
8024.5	314.2464	99.0000	1.9903	3044.0000
8025.0	319.1232	99.0000	2.0293	3049.0000
8025.5	324.0474	99.0000	2.0687	3054.0000
8026.0	329.0190	99.0000	2.1085	3059.0000
8026.5	334.0380	99.0000	2.1487	3064.0000
8027.0	339.1044	99.0000	2.1893	3069.0000
8027.5	344.2182	99.0000	2.2303	3074.0000
8028.0	349.3794	99.0000	2.2717	3079.0000
8028.5	354.5880	99.0000	2.3135	3084.0000
8029.0	359.8440	99.0000	2.3557	3089.0000
8029.5	365.1474	99.0000	2.3983	3094.0000
8030.0	370.4981	99.0000	2.4413	3099.0000
8030.5	375.8963	99.0000	2.4847	3104.0000
8031.0	381.3418	99.0000	2.5285	3109.0000
8031.5	386.8347	99.0000	2.5727	3114.0000
8032.0	392.3750	99.0000	2.6173	3119.0000
8032.5	397.9627	99.0000	2.6623	3124.0000
8033.0	403.5977	99.0000	2.7077	3129.0000
8033.5	409.2802	99.0000	2.7535	3134.0000
8034.0	415.0100	99.0000	2.7997	3139.0000
8034.5	420.7872	99.0000	2.8463	3144.0000
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8035.5	432.4838	99.0000	2.9407	3154.0000
8036.0	438.4031	99.0000	2.9885	3159.0000
8036.5	444.3698	99.0000	3.0367	3164.0000
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8037.5	456.4452	99.0000	3.1343	3174.0000
8038.0	462.5539	99.0000	3.1837	3179.0000
8038.5	468.7100	99.0000	3.2335	3184.0000
8039.0	474.9134	99.0000	3.2837	3189.0000
8039.5	481.1642	99.0000	3.3343	3194.0000
8040.0	487.4623	99.0000	3.3853	3199.0000
8040.5	493.8078	99.0000	3.4367	3204.0000
8041.0	500.2006	99.0000	3.4885	3209.0000
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8043.0	526.2455	99.0000	3.6997	3229.0000
8043.5	532.8751	99.0000	3.7535	3234.0000
8044.0	539.5521	99.0000	3.8077	3239.0000
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8045.0	553.0481	99.0000	3.9173	3249.0000
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8047.5	587.6167	99.0000	4.1983	3274.0000
8048.0	594.6725	99.0000	4.2557	3279.0000
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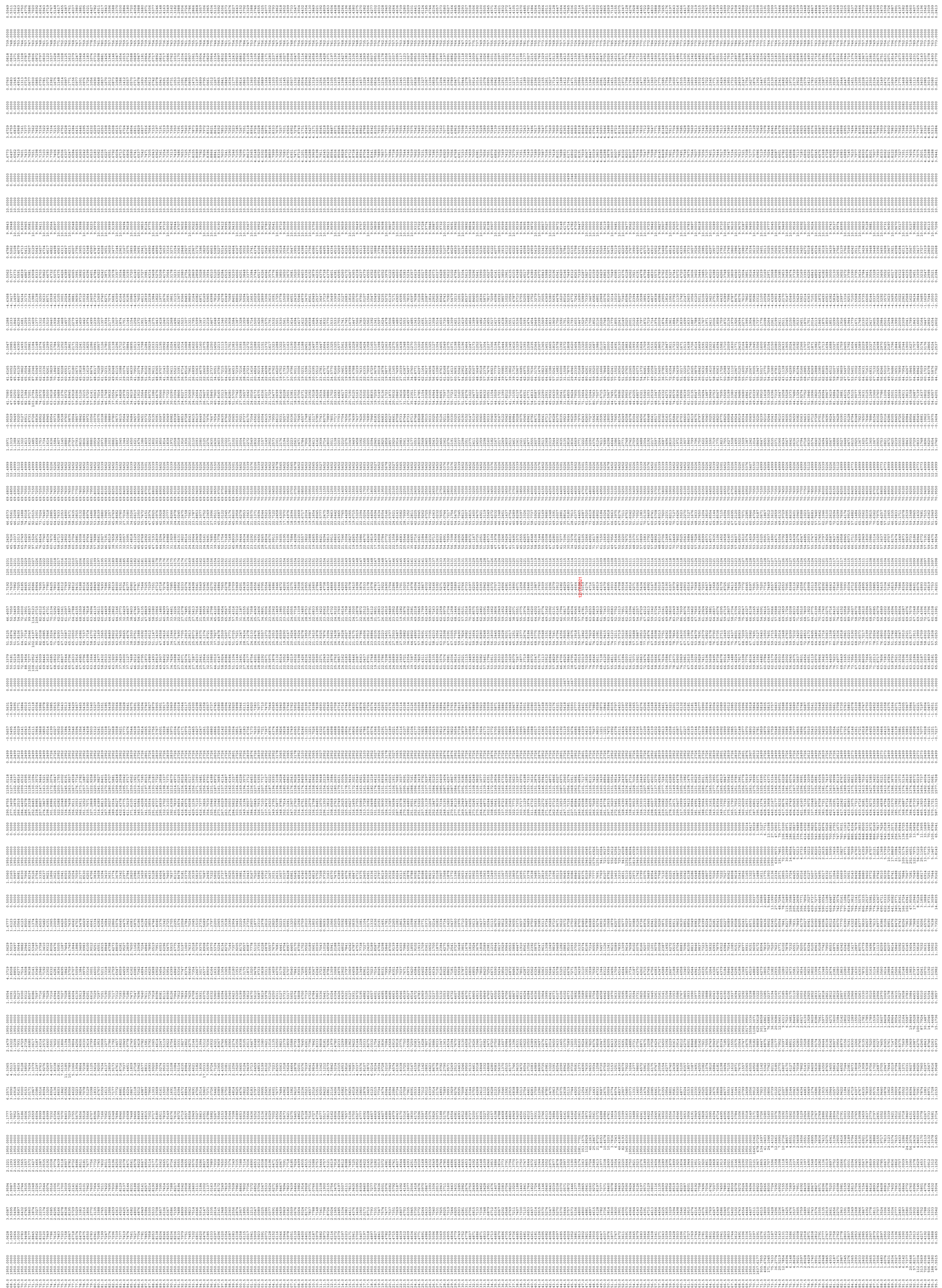
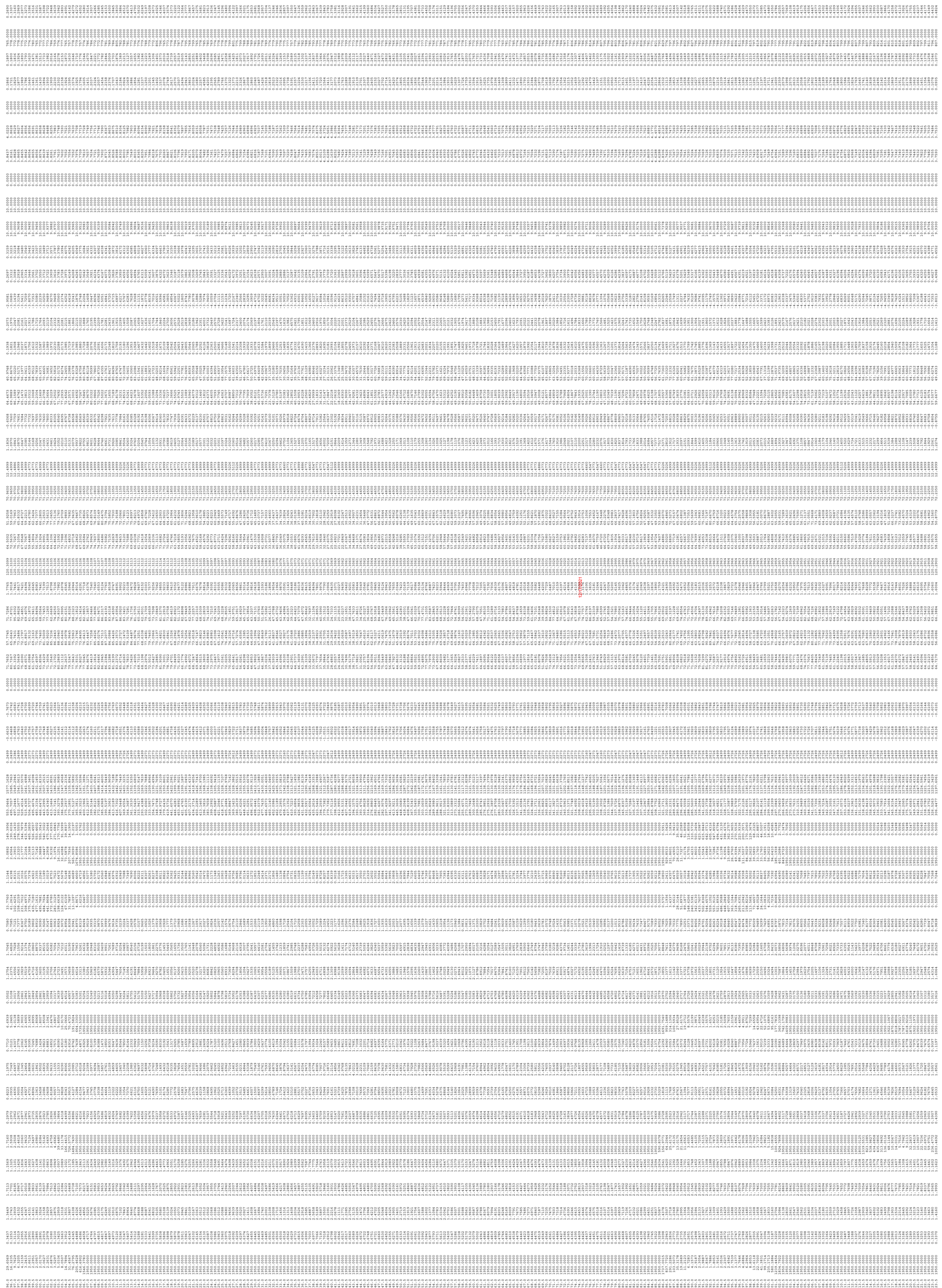
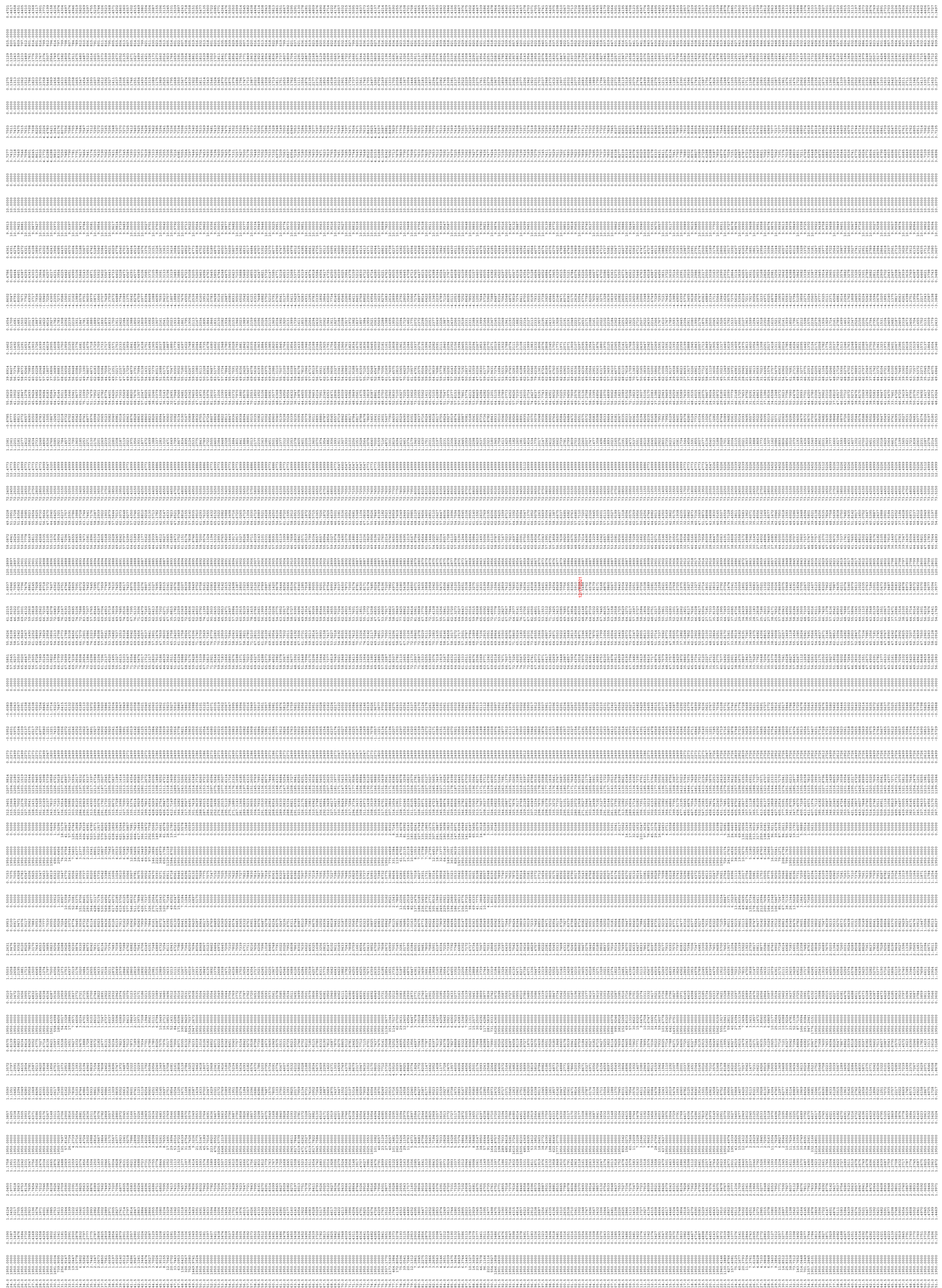
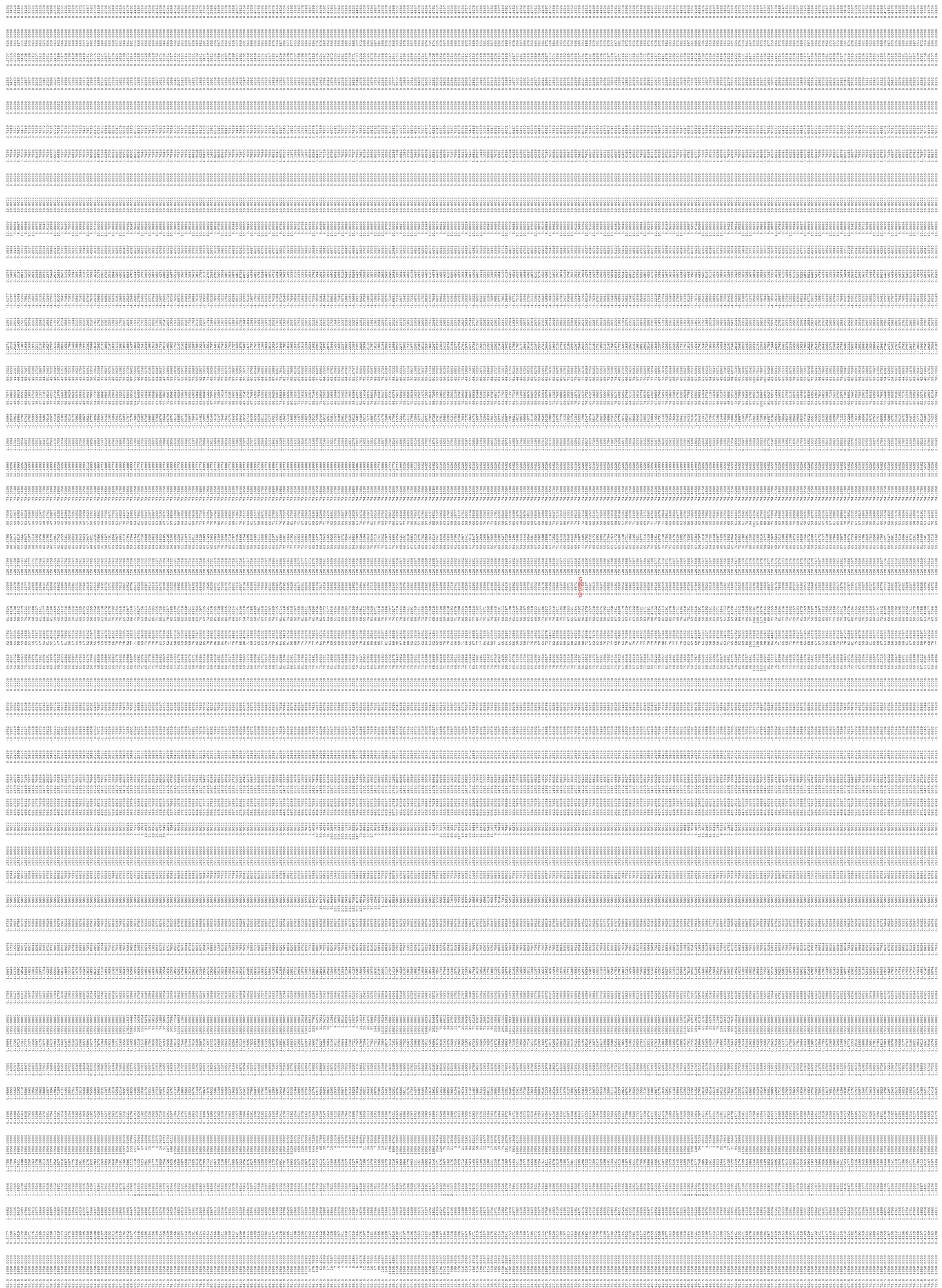
8092.5	54.1222	38.2315	-0.0217	1551.0000
8093.0	54.1222	38.2315	-0.0217	1517.0000
8093.5	54.1222	38.2315	-0.0217	1441.0000
8094.0	54.1222	38.2315	-0.0217	1446.0000
8094.5	54.1222	38.2315	-0.0217	1446.0000
8095.0	54.1222	38.2315	-0.0217	1437.0000
8095.5	54.1222	38.2315	-0.0217	1431.0000
8096.0	54.1222	38.2315	-0.0217	1433.0000
8096.5	54.1222	38.2315	-0.0217	1390.0000
8097.0	54.1222	38.2315	-0.0217	1426.0000
8097.5	54.1222	38.2315	-0.0217	1433.0000
8098.0	54.1222	38.2315	-0.0217	1400.0000
8098.5	54.1222	38.2315	-0.0217	1428.0000
8099.0	54.1222	38.2315	-0.0217	1440.0000
8099.5	54.1222	38.2315	-0.0217	1433.0000
8100.0	54.1222	38.2315	-0.0217	1410.0000
8100.5	54.1222	38.2315	-0.0217	1416.0000
8101.0	54.1222	38.2315	-0.0217	1426.0000
8101.5	54.1222	38.2315	-0.0217	1440.0000
8102.0	54.1222	38.2315	-0.0217	1385.0000
8102.5	54.1222	38.2315	-0.0217	1398.0000
8103.0	54.1222	38.2315	-0.0217	1419.0000
8103.5	54.1222	38.2315	-0.0217	1412.0000
8104.0	54.1222	38.2315	-0.0217	1399.0000

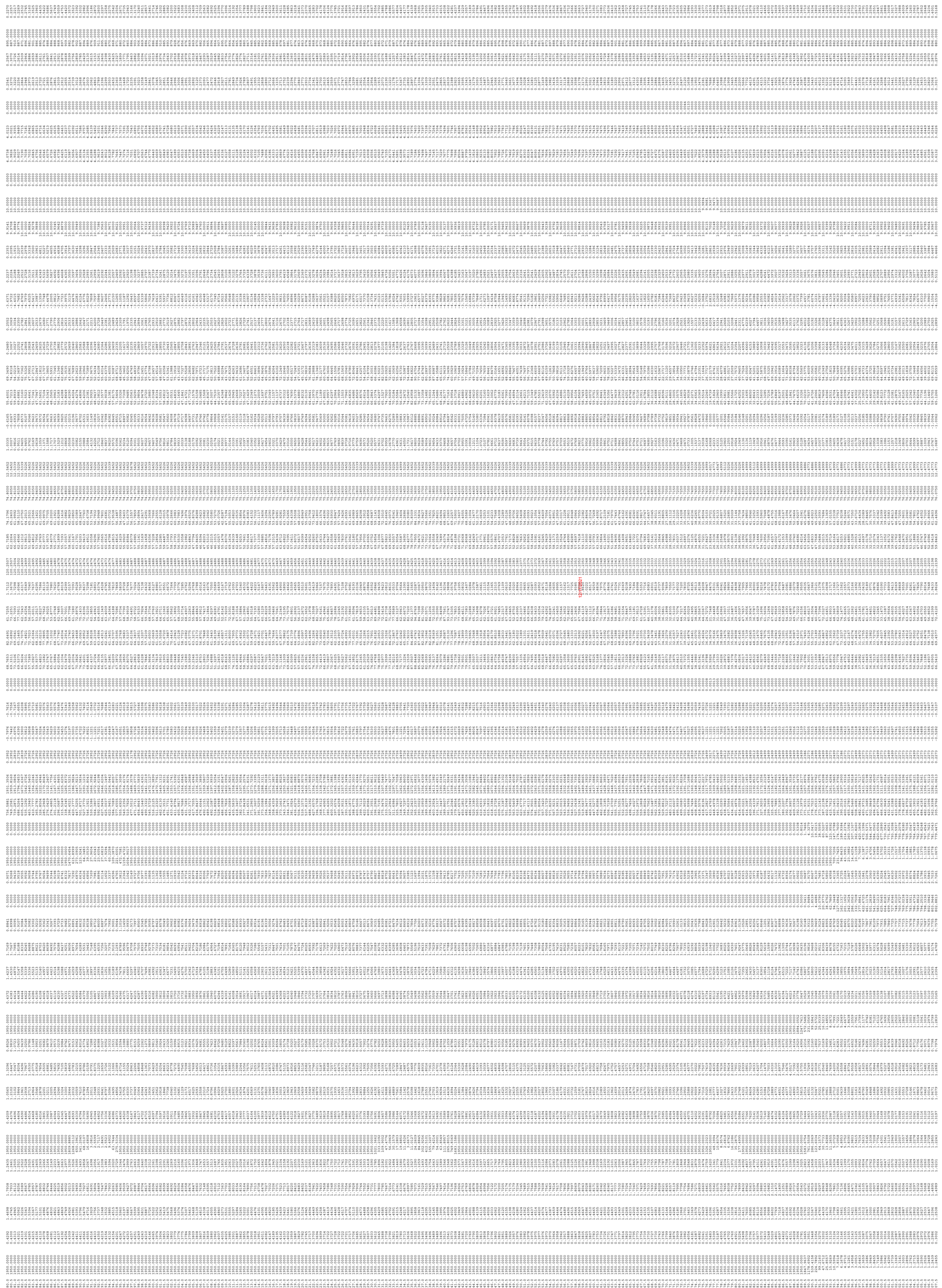


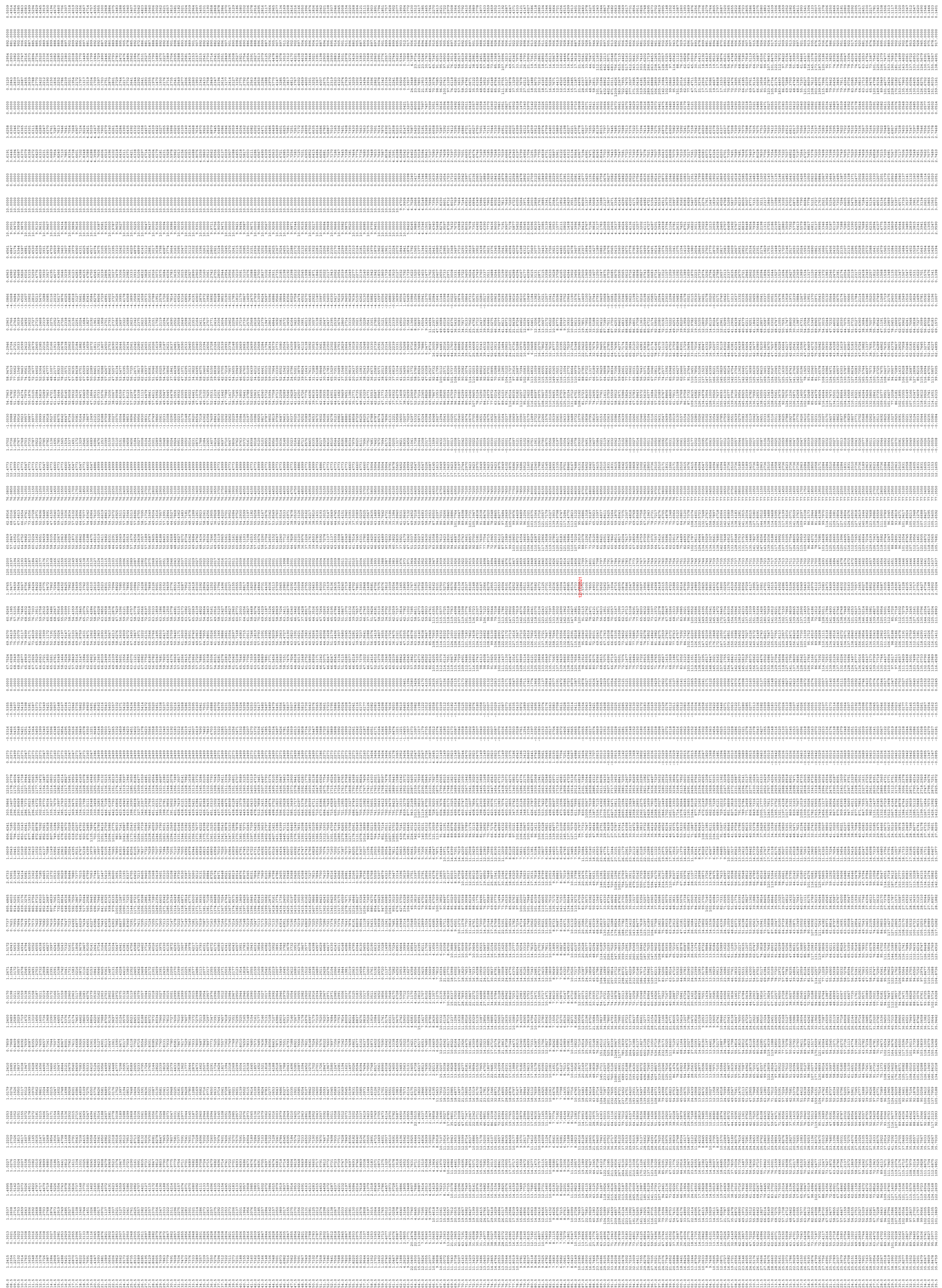


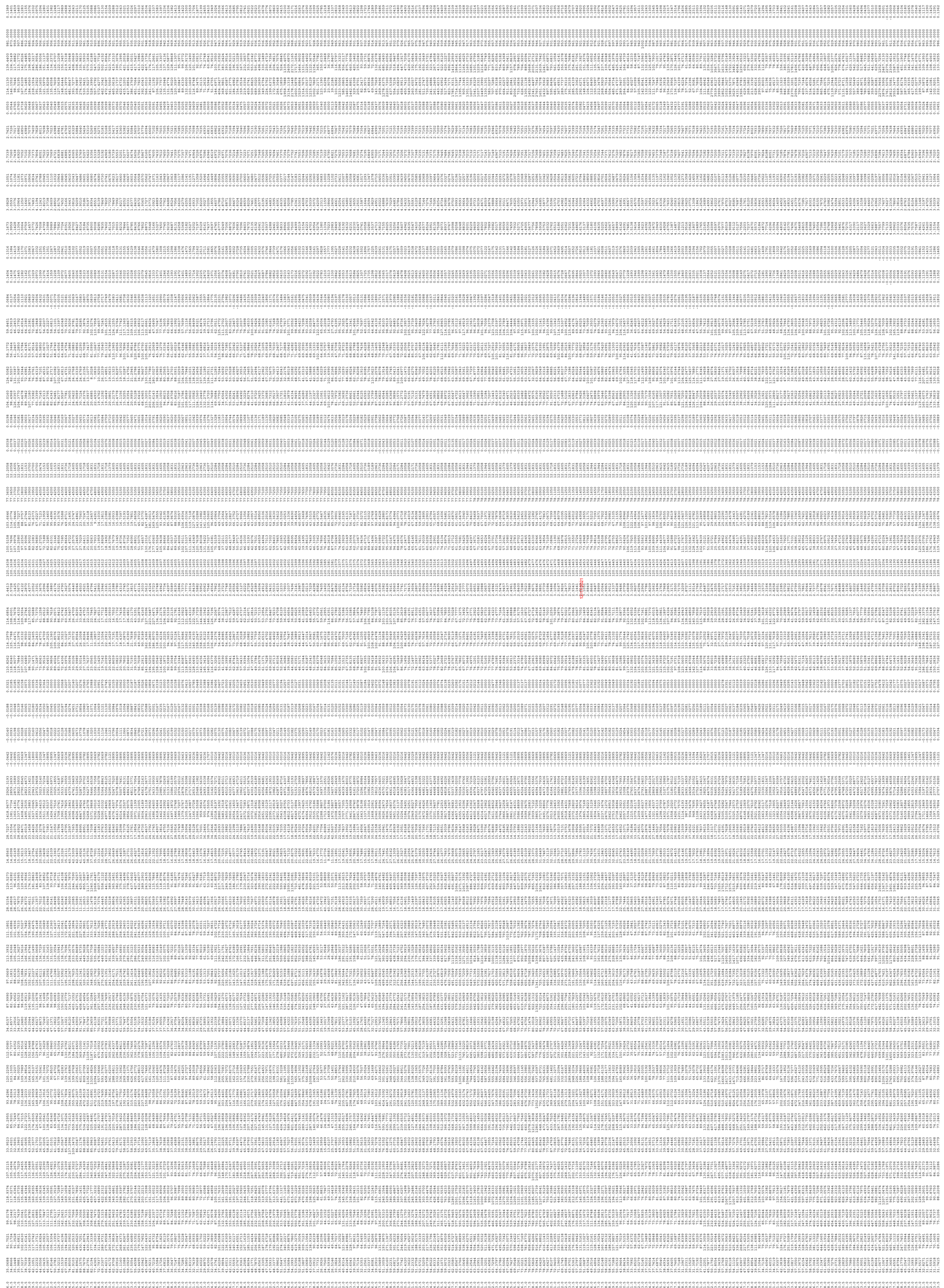


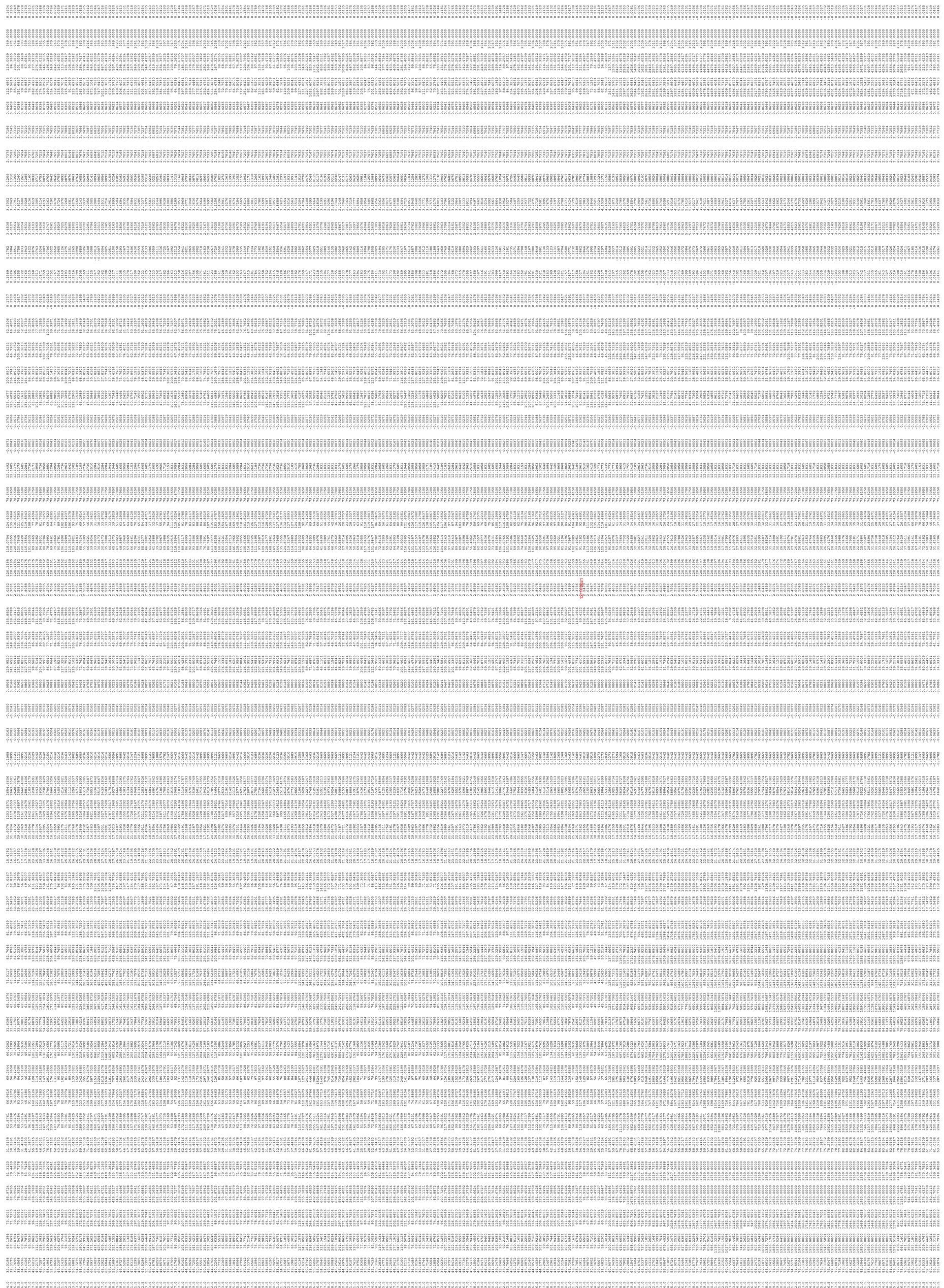


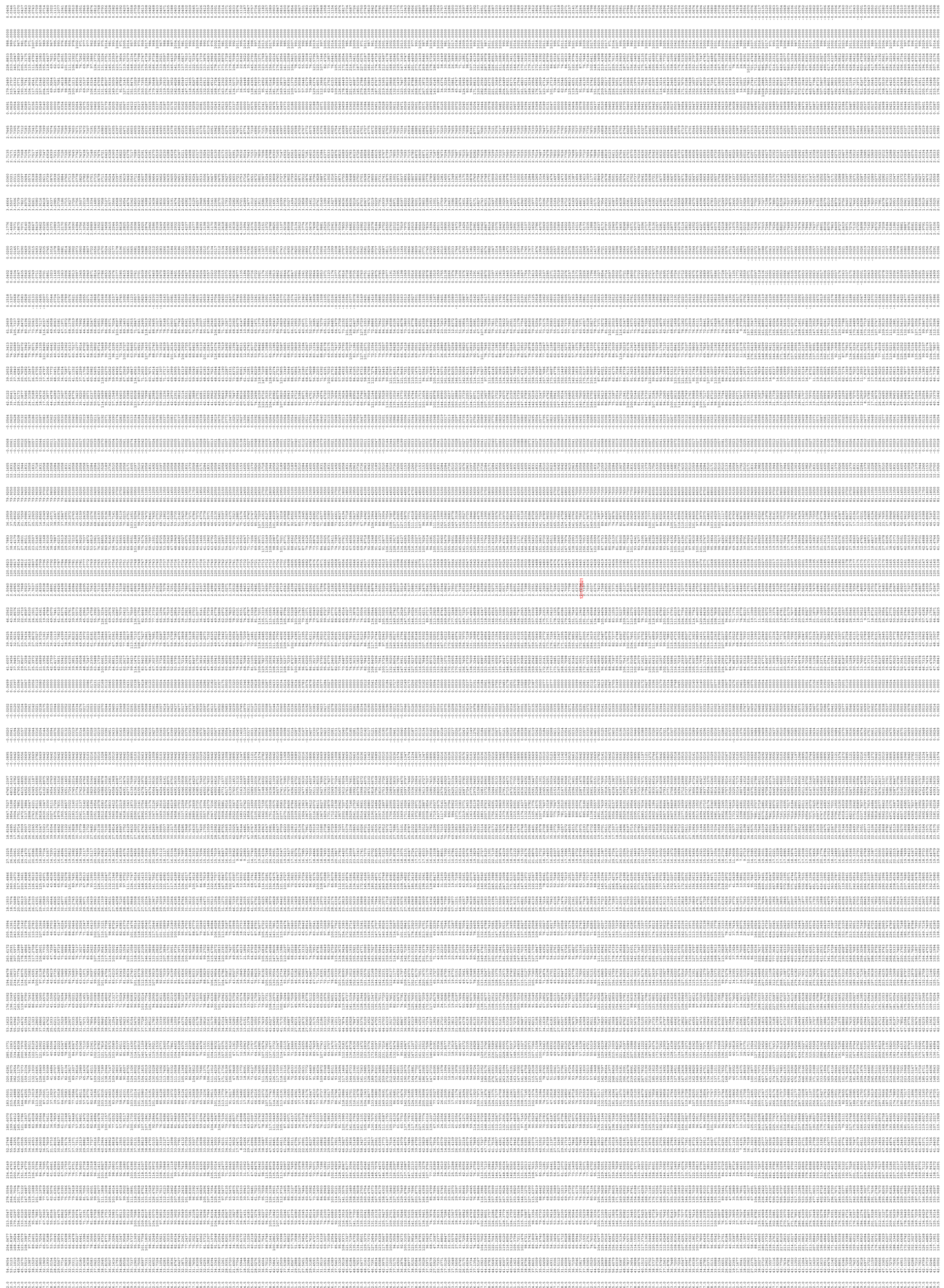


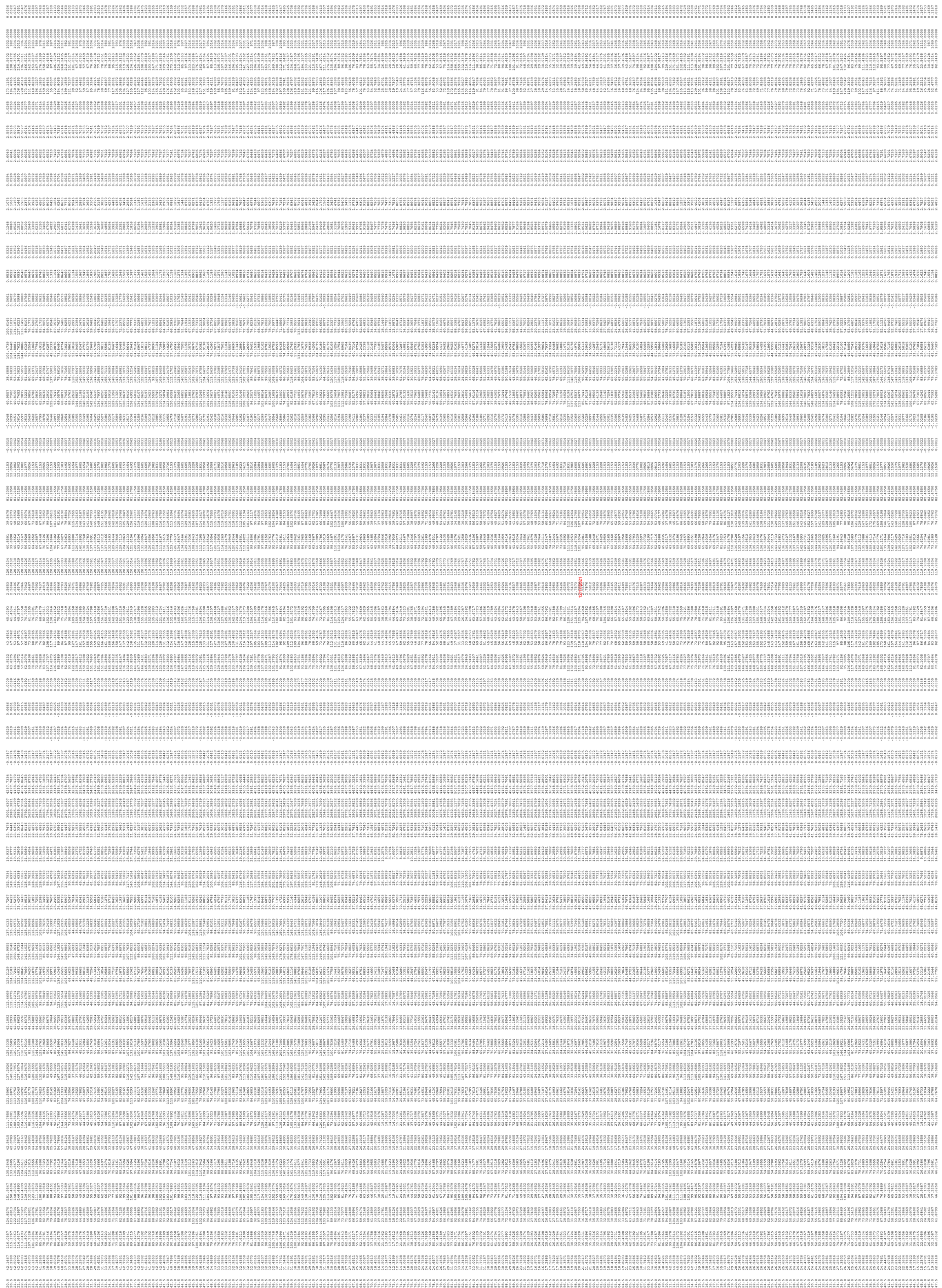


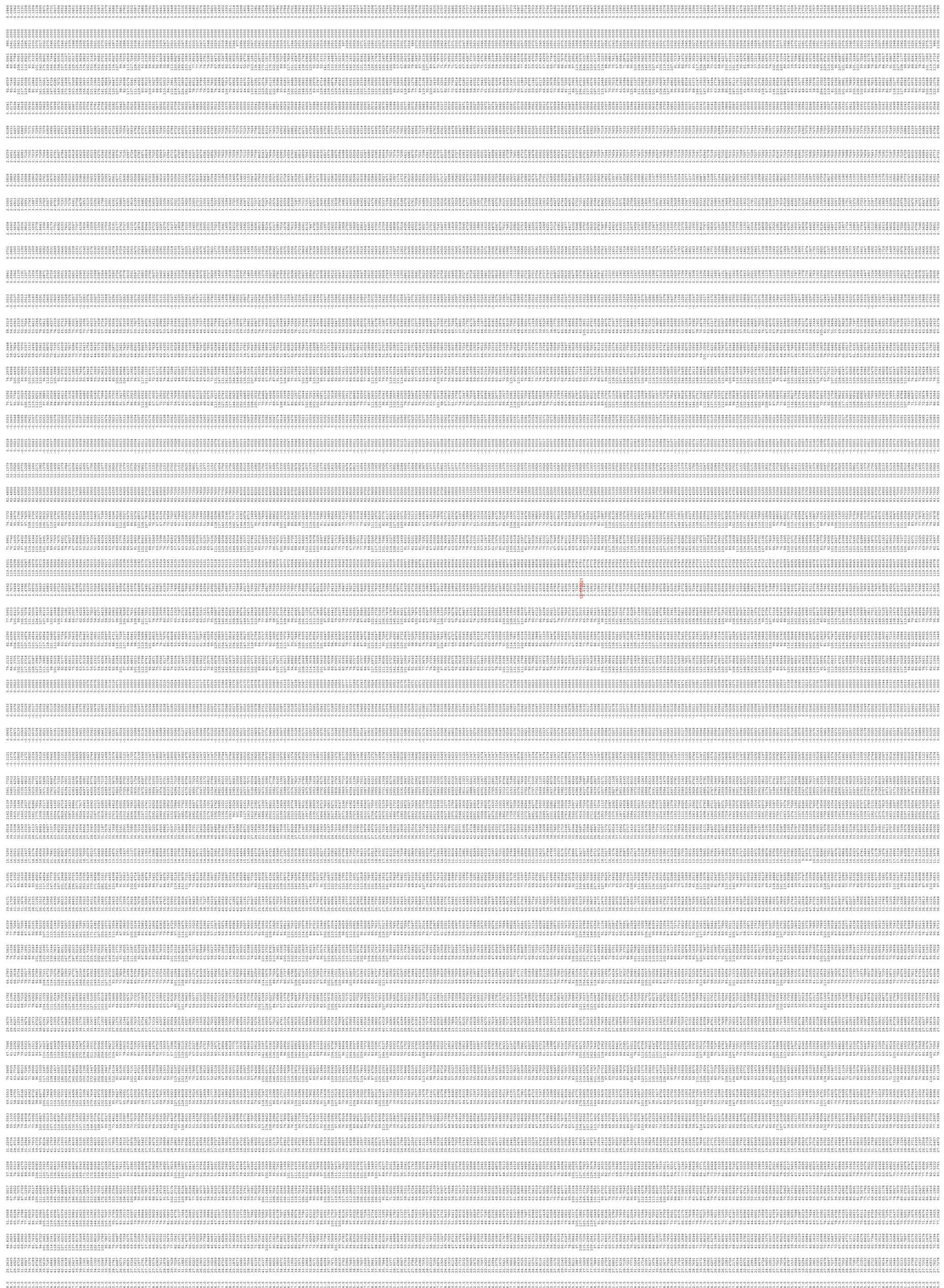


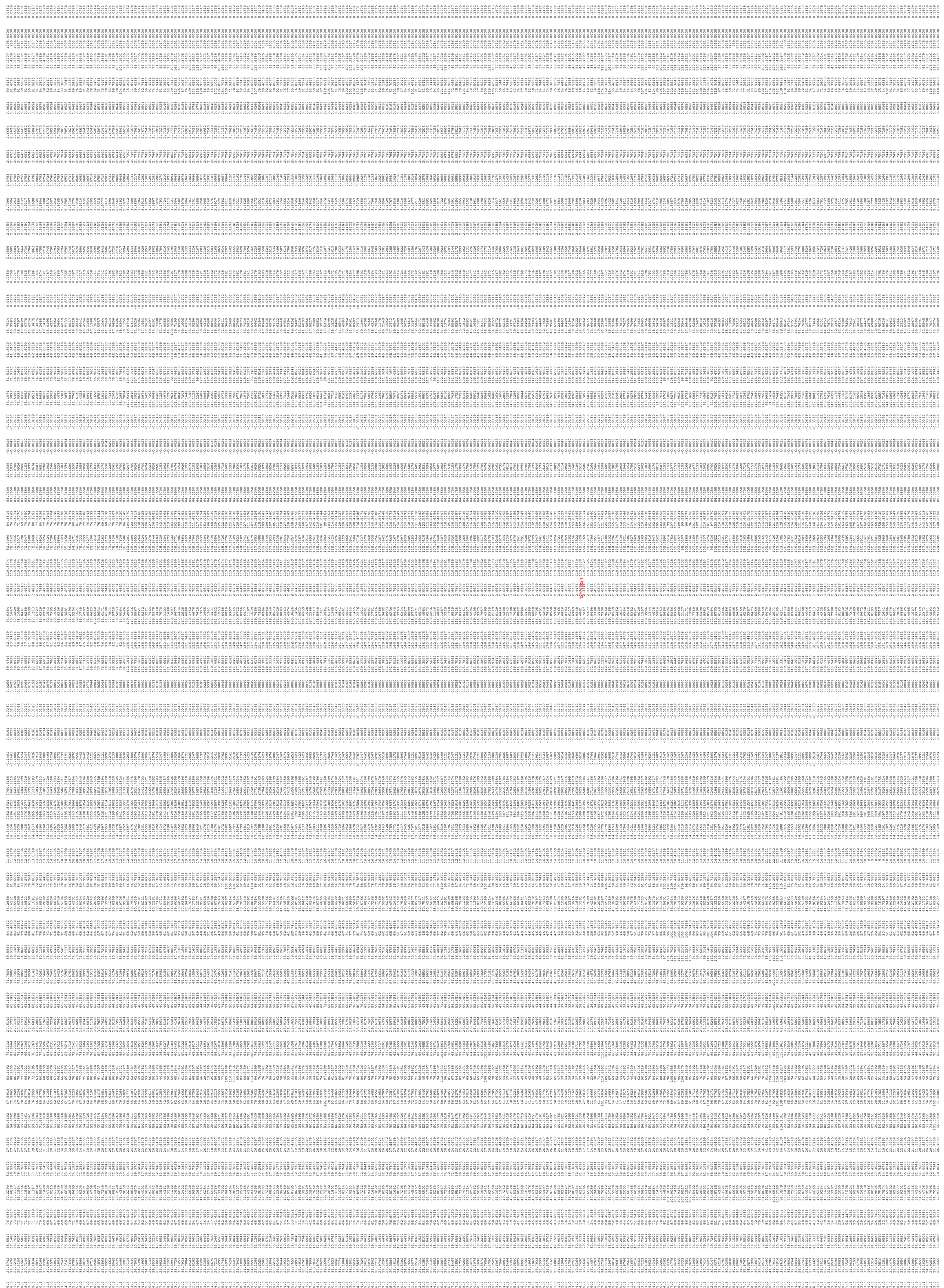


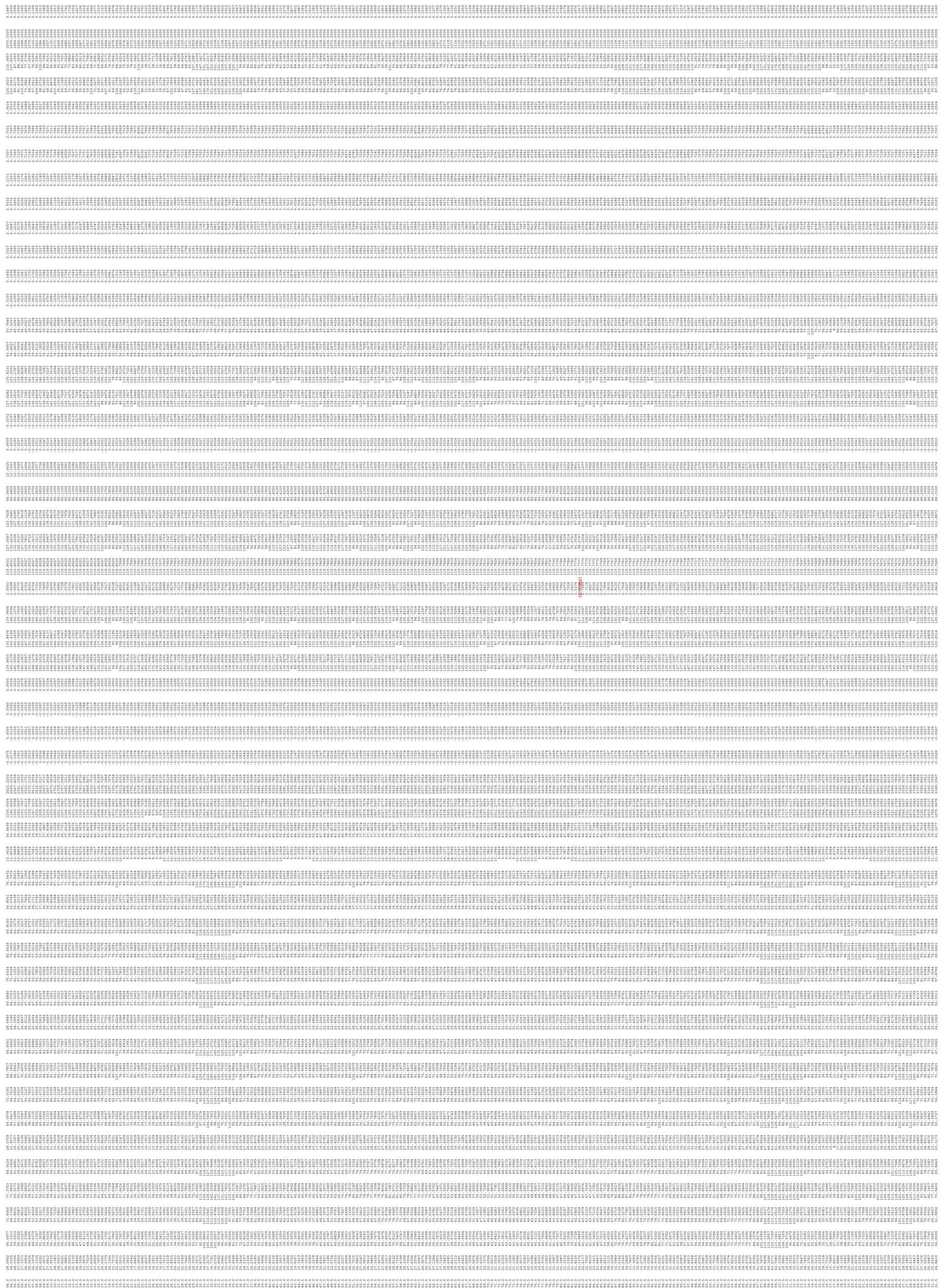


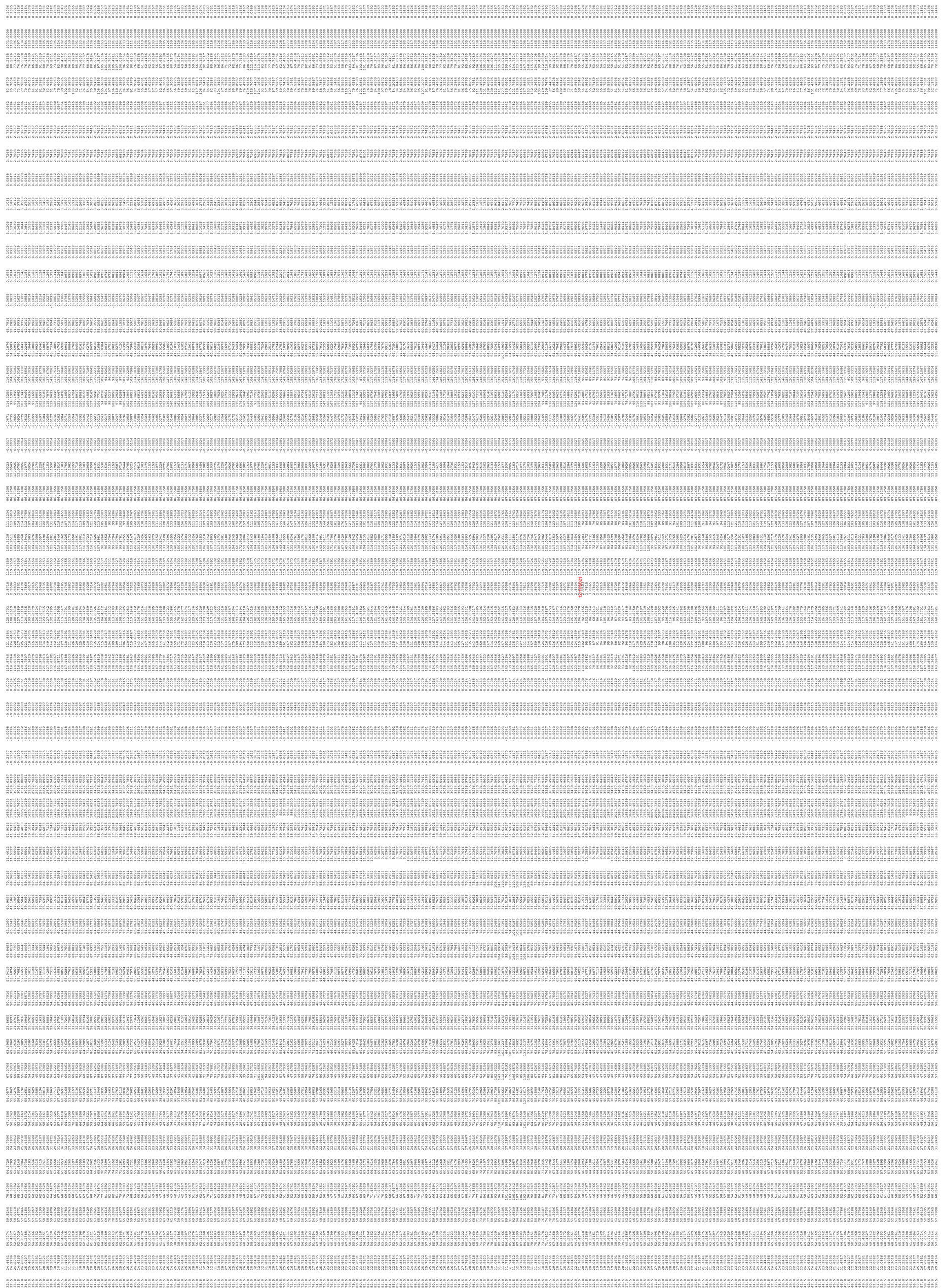


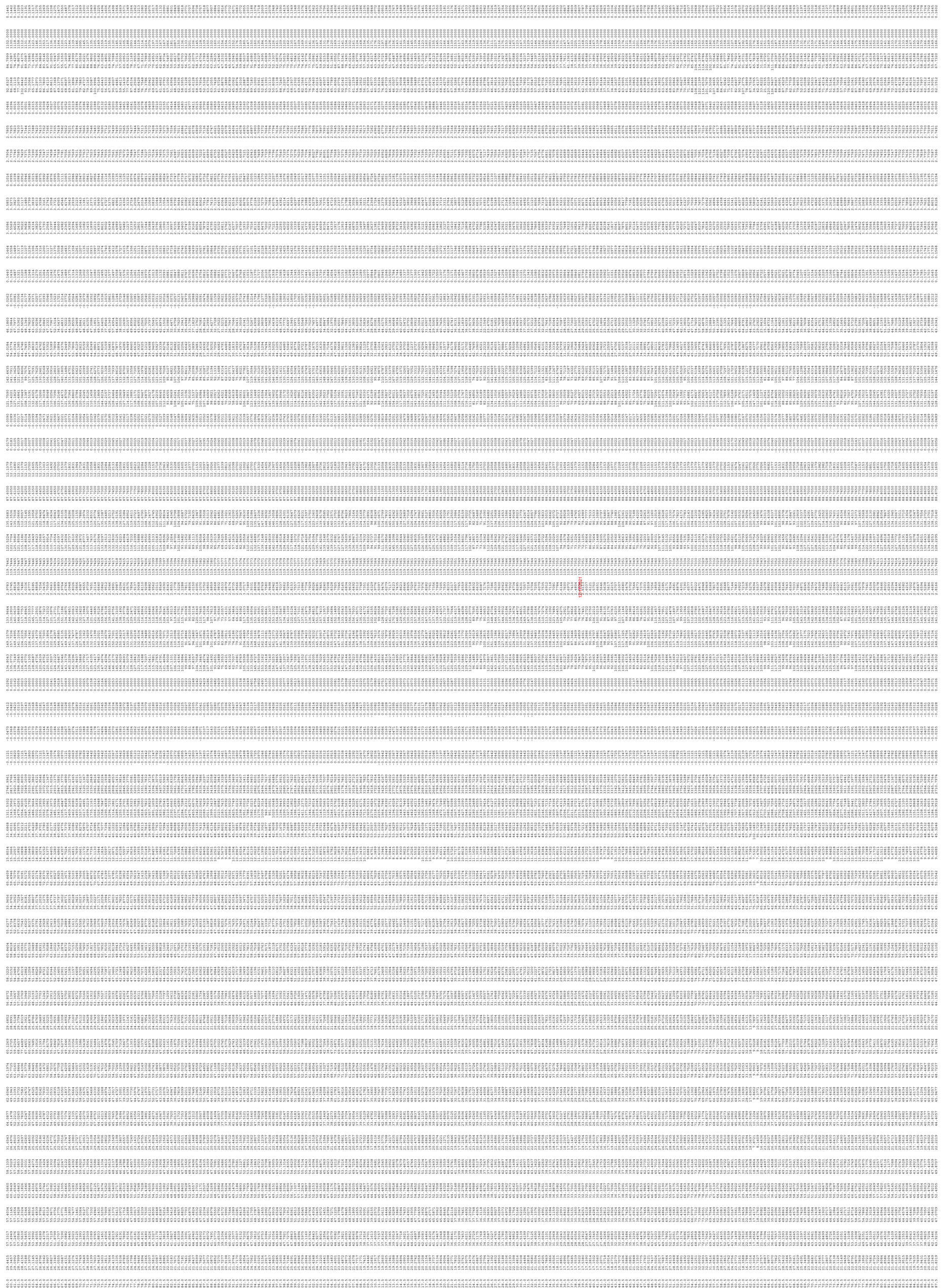


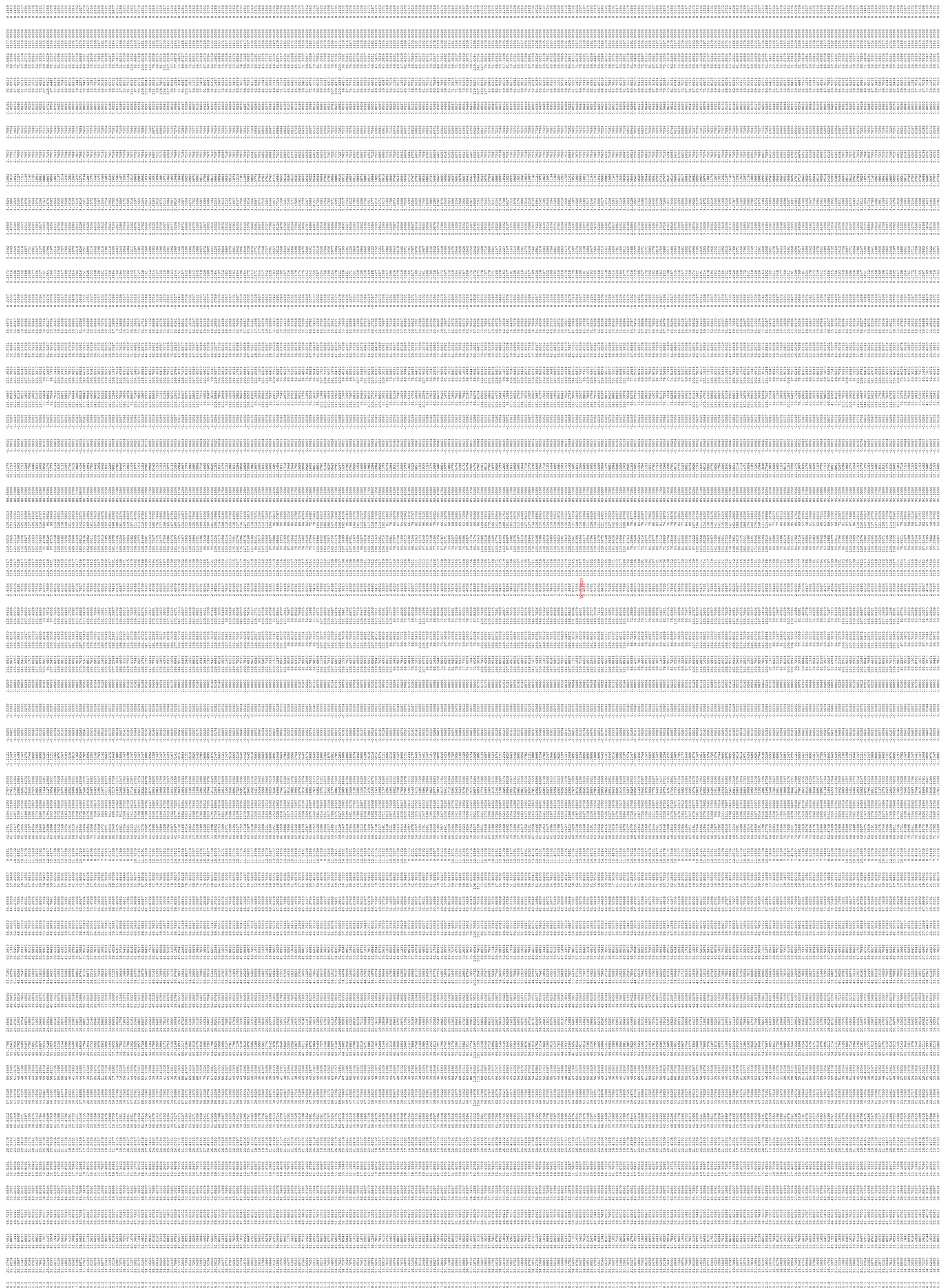


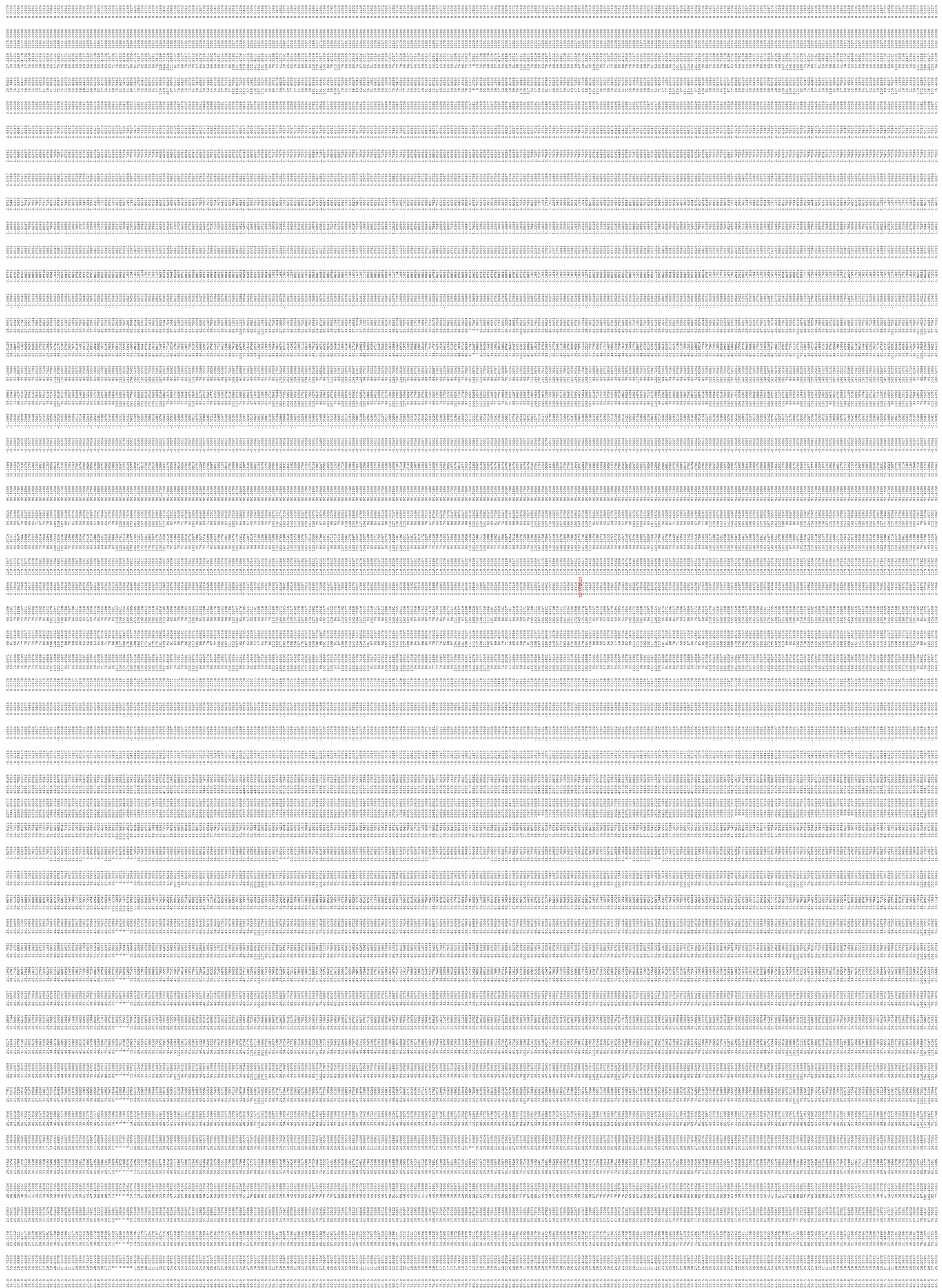


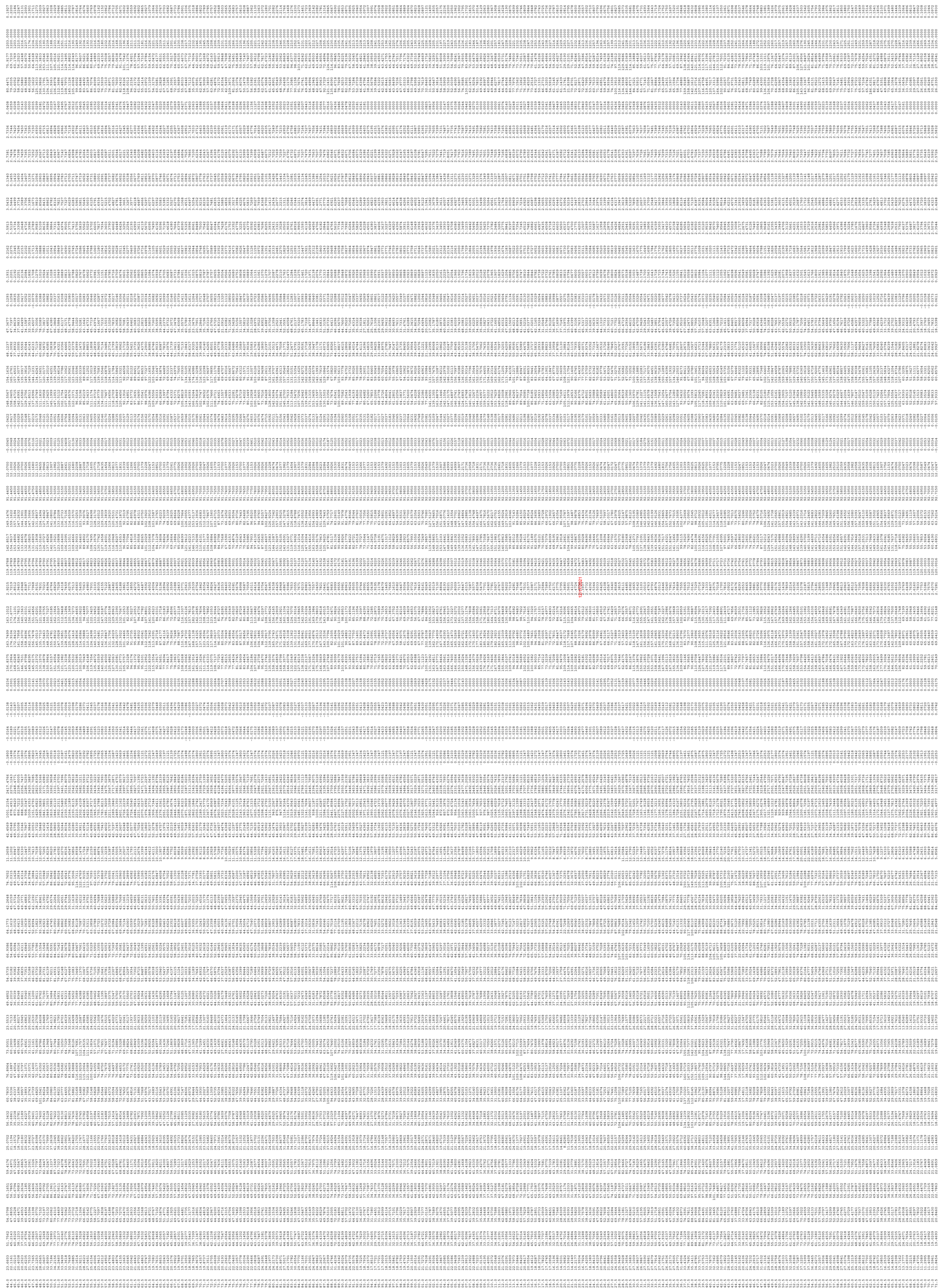


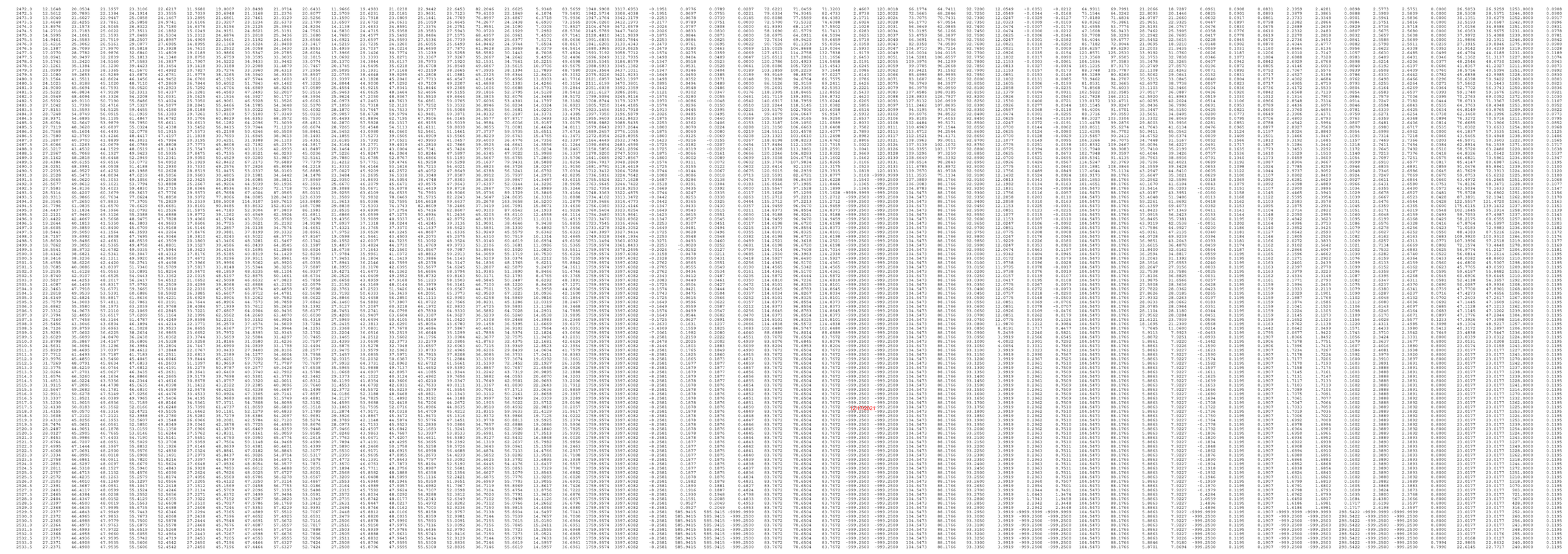












```
~VERSION INFORMATION
VERS.          2.0   :CWLS Log ASCII Standard - VERSION 2.0
WRAP.          NO    :One Line per depth step
PROD.  Schlumberger  :LAS Producer
PROG.  DLIS to ASCII 2.3                          :LAS Program name and version
CREA.     2012/02/22 10:07                        :LAS Creation date {YYYY/MM/DD hh:mm}
DLIS_CREA.  2011-Nov-17 07:40                     :DLIS Creation date and time {YYYY-MMM-DD hh:mm}
SOURCE.  BF-CBartlett-BC0X-00075_ENERPLUS_RESOURCES_USA_CORP_TANNER_1-8HG_RUN_1B_MAIN_DLIS.DLIS  :DLIS File Name
FILE-ID.    SONIC_028PUP                          :File Identification Number
#---------------------------------------------------------------------------
~WELL INFORMATION
#MNEM.UNIT      DATA                DESCRIPTION
#---------  -------------------  ------------------------------
STRT .F          906.0          :START DEPTH
STOP .F           80.5          :STOP DEPTH
STEP .F           -0.5          :STEP
NULL .          -999.25         :NULL VALUE
COMP .    Enerplus Resources USA Corp.            :COMPANY
WELL .    Tanner 1-8HG                            :WELL
FLD  .    Wildcat                                 :FIELD
LOC  .    Latitude: 39.3951 N                     :LOCATION
CNTY .    Preston                                 :COUNTY
STAT .    West Virginia                           :STATE
CTRY .                                            :COUNTRY
API  .    47-077-00582                            :API NUMBER
UWI  .    47-077-00582                            :UNIQUE WELL ID
DATE .    17-Nov-2011                             :LOG DATE {DD-MMM-YYYY}
SRVC .    Schlumberger                            :SERVICE COMPANY
LATI .DEG                                         :LATITUDE
LONG .DEG                                         :LONGITUDE
GDAT .                                            :GeoDetic Datum
SECT .    Laurel Run                              :Section
RANG .    Terra Alta WV 7.5'                      :Range
TOWN .    Portland                                :Township
#---------------------------------------------------------------------------
~PARAMETER INFORMATION
#MNEM.UNIT    VALUE                 DESCRIPTION
#---------  -----------------------  ------------------------------
TD   .                              :Total Depth
DEPREM6.                            :Depth Remark 6
DEPREM5.                            :Depth Remark 5
DEPREM4.                            :Depth Remark 4
DEPREM3.                            :Depth Remark 3
DEPREM2.                            :Depth Remark 2
DEPREM1.                            :Depth Remark 1
RLRN .                              :Reference Log Run Number
RLNM .                              :Reference Log Name
RLDT .                              :Reference Log Date (dd-mmm-yyyy)
DTF  .US/F     189.00000            :Delta-T Fluid
CTHI .IN         0.39263            :Casing Thickness
CBRA .MV        43.00000            :CBL LQC Reference Amplitude in Free Pipe
GOBO .MV         2.71450            :Good Bond
MCI  .F         21.67625            :Minimum Cemented Interval for Isolation
BILI .           0.80000            :Bond Index Level for Zone Isolation
FCF  .           0.93541            :CBL Fluid Compensation Factor
DTCM .FULL                          :Delta-T Computation Mode
CBAF .           0.97000            :CBL Adjustment Factor
BHT  .DEGF      68.00000            :Bottom Hole Temperature (used in calculations)
BHFL .WATER                         :Borehole Fluid Type
CDEN .                              :Cement Density
BSAL .PPM        0.00000            :Borehole Salinity
MRT  .DEGF      70.00000            :Maximum Recorded Temperature
RMFB .OHMM       0.04904            :Resistivity of Mud Filtrate - BHT
RMB  .OHMM       0.01102            :Resistivity of Mud - BHT
DFD  .LB/G       8.30000            :Drilling Fluid Density
CWEI .LB/F      54.50000            :Casing Weight
CSIZ .IN        13.37500            :Current Casing Size
BS   .IN        12.25000            :Bit Size
FLEV .F          0.00000            :Fluid Level
CBLO .F        865.00000            :Casing Bottom of Logger
CBDR .F        865.00000            :Casing Bottom of Driller
BLI  .F       2525.00000            :Bottom Log Interval
TLI  .F        140.00000            :Top Log Interval
TDL  .F       2525.00000            :Total Depth - Logger
TDD  .F       2525.00000            :Total Depth - Driller
APD  .F         25.00000            :Above Permanent Datum
EPD  .F       2520.00000            :Elevation of Permanent Datum
ELZ  .F       2545.00000            :Elevation of Log Zero
EDF  .F       2545.00000            :Elevation of Derrick Floor
EGL  .F       2520.00000            :Elevation of Ground Level
EKB  .F       2545.00000            :Elevation of Kelly Bushing
LUN  .            3149              :Logging Unit Number
LUN  .      BC0X-00075              :Service Order Number
UWID .    47-077-00582              :Unique Well Identification Number
WITN .    Dwight Fisher             :Witness's Name
ENGI .    Jason Simas               :Engineer's Name
TLAB .    6 01                      :Time Logger At Bottom
DLAB .    17-Nov-2011               :Date Logger At Bottom
RANG .    Terra Alta WV 7.5'        :Range
TOWN .    Portland                  :Township
SECT .    Laurel Run                :Section
LONG .                              :Longitude
LATI .                              :Latitude
STAT .    West Virginia             :State or Province
COUN .    Preston                   :County or Rig Name
FN   .    Wildcat                   :Field Name
WN   .    Tanner 1-8HG              :Well Name
CN1  .                              :Company Name Line 1
CN   .    Enerplus Resources USA Corp. :Company Name
RLAB .    Quad                      :Range Label
TLLAB.    District                  :Township Label
LLAB .    Watershed                 :Section Label
CLAB .    County                    :County/Rig Label
SLAB .    State                     :State/Province Label
RUN  .      1B                      :RUN NUMBER
PDAT .    Ground Level              :Permanent Datum
LMF  .    Kelly Bushing             :Logging Measured From (Name of Logging Elevation Reference)
#---------------------------------------------------------------------------
~CURVE INFORMATION
#MNEM.UNIT   API CODE               DESCRIPTION
#---------  ---------  ------------------------------
DEPT .F                             :DEPTH (BOREHOLE) {F10.1}
BI   .                              :Bond Index {F13.4}
CBL  .MV                            :CBL Amplitude {F13.4}
CBLF .MV                            :CBL Amplitude (Fluid Compensated) {F13.4}
CBSL .MV                            :CBL Amplitude (Sliding Gate) {F13.4}
ECGR_EDTC.GAPI                      :EDTC Corrected Gamma-Ray {F13.4}
TENS .LBF                           :Cable Tension {F13.4}
TT   .US                            :Transit Time {F13.4}
TT1  .US                            :Transit Time 1 {F13.4}
TT2  .US                            :Transit Time 2 {F13.4}
TTSL .US                            :Transit Time (Sliding Gate) {F13.4}
#---------------------------------------------------------------------------
#
#     DEPT          BI          CBL         CBLF         CBSL       ECGR_EDTC        TENS          TT          TT1          TT2         TTSL
#
~A
      906.0       0.5715      6.3888       5.9762       6.3888     248.3320     379.0000     430.2068     560.3042     430.2068     381.6487
      905.5       0.5715      6.3888       5.9762       6.3888     248.3320     357.0000     430.2068     560.3042     430.2068     381.6487
      905.0       0.5715      6.3888       5.9762       6.3888     248.3320     397.0000     430.2068     560.3042     430.2068     381.6487
      904.5       0.5715      6.3888       5.9762       6.3888     248.3320     424.0000     430.2068     560.3042     430.2068     381.6487
      904.0       0.5715      6.3888       5.9762       6.3888     248.3320     440.0000     430.2068     560.3042     430.2068     381.6487
      903.5       0.5715      6.3888       5.9762       6.3888     248.3320     439.0000     430.2068     560.3042     430.2068     381.6487
      903.0       0.5715      6.3888       5.9762       6.3888     248.3320     414.0000     430.2068     560.3042     430.2068     381.6487
      902.5       0.5715      6.3888       5.9762       6.3888     248.3320     404.0000     430.2068     560.3042     430.2068     381.6487
      902.0       0.5715      6.3888       5.9762       6.3888     248.3320     429.0000     430.2068     560.3042     430.2068     381.6487
      901.5       0.5715      6.3888       5.9762       6.3888     248.3320     431.0000     430.2068     560.3042     430.2068     381.6487
      901.0       0.5715      6.3888       5.9762       6.3888     248.3320     420.0000     430.2068     560.3042     430.2068     381.6487
      900.5       0.5715      6.3888       5.9762       6.3888     248.3320     432.0000     430.2068     560.3042     430.2068     381.6487
      900.0       0.5715      6.3888       5.9762       6.3888     248.3320     429.0000     430.2068     560.3042     430.2068     381.6487
      899.5       0.5715      6.3888       5.9762       6.3888     248.3320     396.0000     430.2068     560.3042     430.2068     381.6487
      899.0       0.5715      6.3888       5.9762       6.3888     248.3320     397.0000     430.2068     560.3042     430.2068     381.6487
      898.5       0.5715      6.3888       5.9762       6.3888     248.3320     413.0000     430.2068     560.3042     430.2068     381.6487
      898.0       0.5715      6.3888       5.9762       6.3888     248.3320     403.0000     430.2068     560.3042     430.2068     381.6487
      897.5       0.5715      6.3888       5.9762       6.3888     248.3320     397.0000     430.2068     560.3042     430.2068     381.6487
      897.0       0.5715      6.3888       5.9762       6.3888     248.3320     406.0000     430.2068     560.3596     430.2068     381.6487
      896.5       0.5715      6.3888       5.9762       6.3888     248.3320     405.0000     430.2068     556.8253     430.2068     381.6487
      896.0       0.5715      6.3883       5.9757       6.3883     248.3320     405.0000     430.1555     551.6497     430.1555     381.5981
      895.5       0.5808      6.1865       5.7869       6.1865     248.3320     379.0000     430.3679     548.3876     430.3679     380.3524
      895.0       0.5743      6.3276       5.9189       6.2257     248.3320     383.0000     429.4825     544.6531     429.4825     380.7426
      894.5       0.6631      4.6566       4.3558       4.9894     248.3320     404.0000     428.9986     544.2922     428.9986     376.9633
      894.0       0.7229      3.7878       3.5431       4.4807     248.3320     423.0000     428.9986     543.6192     428.9986     374.0612
      893.5       0.6799      4.3937       4.1099       4.2260     248.3320     405.0000     425.1258     537.6039     425.1258     372.2859
      893.0       0.2730     17.9048      16.7483       4.0867     248.3320     409.0000     425.1258     535.8689     425.1258     369.3968
      892.5       0.0000     46.8934      43.8647       4.5065     248.3320     404.0000     417.9507     535.8689     417.9507     368.7875
      892.0       0.0000     54.9272      51.3796       4.5317     248.3320     397.0000     417.9507     533.5132     417.9507     368.5197
      891.5       0.0086     44.6227      41.7406       3.8689     248.3320     400.0000     417.9507     534.3053     417.9507     365.9101
      891.0       1.0000      0.0000       0.0000       4.0331     248.3320     399.0000     417.6540     543.8443     417.6540     366.9390
      890.5       0.6432      4.9873       4.6652       5.8195     248.3320     393.0000     417.6540     552.7998     417.6540     374.9199
      890.0       0.6034      5.7212       5.3517       5.7212     248.3320     390.0000     434.7376     558.6026     434.7376     383.9507
      889.5       0.5848      6.1022       5.7081       6.1022     248.3320     413.0000     443.9899     525.8079     443.9899     392.4728
      889.0       0.5173      7.7035       7.2059       7.7035     248.3320     404.0000     448.3597     544.9036     448.3597     406.1037
      888.5       1.0000      0.0122       0.0115       11.1423    248.3320     398.0000     417.5319     564.7612     417.5319     425.5233
      888.0       1.0000      0.0160       0.0149       10.6939    248.3320     396.0000     432.7160     589.7118     432.7160     442.3046
      887.5       1.0000      0.0223       0.0209       12.8580    248.3320     381.0000     452.1355     611.3823     452.1355     462.9427
      887.0       1.0000      0.0485       0.0454       13.6083    248.3320     379.0000     467.9509     645.2866     467.9509     478.3589
      886.5       1.0000      0.0367       0.0343       9.8715     248.3320     374.0000     479.3749     662.9913     479.3749     488.4282
      886.0       1.0000      0.0161       0.0150       16.0146    248.3320     393.0000     499.1236     678.9338     499.1236     510.8764
      885.5       1.0000      0.0088       0.0345       9.8885     248.3320     415.0000     506.8301     691.9370     506.8301     516.6737
      885.0       1.0000      0.0336       0.0314       12.7127    248.3320     416.0000     513.9465     707.3952     513.9465     526.8378
      884.5       1.0000      0.0407       0.0381       10.8052    248.3320     420.0000     515.6410     715.9282     515.6410     526.1053
      884.0       1.0000      0.0298       0.0278       9.0691     248.3320     416.0000     513.0516     721.5690     513.0516     523.7792
      883.5       1.0000      0.0216       0.0202       10.5110    248.3320     378.0000     512.4996     720.1000     512.4996     524.0048
      883.0       1.0000      0.0152       0.0142       9.0539     227.8961     375.0000     507.9138     717.0815     507.9138     518.5763
      882.5       1.0000      0.0162       0.0151       9.7582     212.8869     393.0000     503.4789     726.6738     503.4789     514.5522
      882.0       1.0000      0.0361       0.0337       10.3539    194.4149     388.0000     499.7994     728.4673     499.7994     510.8487
      881.5       1.0000      0.0482       0.0451       14.9768    193.6053     398.0000     507.9385     720.6923     507.9385     520.7634
      881.0       1.0000      0.0157       0.0146       9.1114     173.3317     398.0000     514.5770     707.2275     514.5770     525.1785
      880.5       1.0000      0.0257       0.0241       7.0706     159.2251     392.0000     510.9059     701.6488     510.9059     519.7033
      880.0       1.0000      0.0548       0.0513       6.0705     148.2237     388.0000     507.6446     698.1235     507.6446     515.1885
      879.5       1.0000      0.0161       0.0151       5.7818     154.5288     399.0000     506.5851     692.3979     506.5851     514.0929
      879.0       1.0000      0.0253       0.0237       4.5645     160.1545     388.0000     512.9316     679.3122     512.9316     519.4968
      878.5       1.0000      0.0241       0.0226       5.7754     160.9980     388.0000     525.1636     668.9305     525.1636     532.8802
      878.0       1.0000      0.0123       0.0115       3.5595     161.7244     388.0000     511.4286     664.9799     511.4286     516.5330
      877.5       1.0000      0.0246       0.0230       3.3187     154.3798     381.0000     499.5637     670.7175     499.5637     504.1808
      877.0       1.0000      0.0109       0.0102       3.0259     152.8458     385.0000     489.5482     655.9780     489.5482     493.5939
      876.5       1.0000      0.0104       0.0097       3.6393     146.5659     389.0000     482.4573     639.4565     482.4573     487.6601
      876.0       1.0000      0.0326       0.0305       3.8777     139.2186     376.0000     471.1542     631.0020     471.1542     476.3138
      875.5       1.0000      0.0000       0.0000       3.1558     133.5463     391.0000     461.4775     626.5613     461.4775     465.8306
      875.0       1.0000      0.0634       0.0593       2.8494     128.9803     388.0000     463.4350     621.2366     463.4350     466.9726
      874.5       1.0000      0.0401       0.0375       3.3892     138.4793     385.0000     469.1898     617.0068     469.1898     473.4563
      874.0       1.0000      0.0354       0.0331       3.5206     146.7066     385.0000     474.1540     634.0519     474.1540     478.9476
      873.5       1.0000      0.0100       0.0094       3.0986     159.1857     394.0000     472.5392     639.6600     472.5392     476.9572
      873.0       1.0000      0.0000       0.0000       3.4811     154.9049     394.0000     489.2647     644.8761     489.2647     494.0137
      872.5       1.0000      0.0123       0.0115       3.0200     151.2297     392.0000     489.4086     643.3449     489.4086     493.2430
      872.0       1.0000      0.0240       0.0224       3.3935     144.6176     388.0000     492.2451     647.8331     492.2451     496.7900
      871.5       1.0000      0.0233       0.0218       3.5925     155.0392     392.0000     485.6320     649.3297     485.6320     490.7061
      871.0       1.0000      0.0245       0.0229       3.7931     157.8050     390.0000     483.0445     645.5137     483.0445     488.2695
      870.5       1.0000      0.0239       0.0224       3.6641     157.0058     388.0000     479.6319     637.9097     479.6319     484.1650
      870.0       1.0000      0.0234       0.0219       2.8808     149.3812     405.0000     472.4687     631.9886     472.4687     476.0793
      869.5       1.0000      0.0216       0.0202       2.9310     149.4246     413.0000     469.6198     624.6698     469.6198     473.1284
      869.0       1.0000      0.0374       0.0350       3.0920     139.4129     410.0000     469.4835     618.1780     469.4835     473.1885
      868.5       1.0000      0.0220       0.0206       3.0654     135.7038     406.0000     467.6042     605.8781     467.6042     471.2166
      868.0       1.0000      0.0346       0.0323       2.9594     129.3005     414.0000     464.1064     593.8489     464.1064     468.2971
      867.5       1.0000      0.0393       0.0367       1.6102     142.1092     404.0000     454.3975     585.2830     454.3975     455.1802
      867.0       1.0000      0.0177       0.0166       3.3802     139.9455     390.0000     443.9874     575.5120     443.9874     448.6050
      866.5       1.0000      0.0147       0.0138       3.9934     129.5826     414.0000     438.6273     572.1523     438.6273     443.4221
      866.0       1.0000      0.0000       0.0000       4.1767     107.9884     404.0000     432.3223     570.3368     432.3223     437.6077
      865.5       1.0000      0.0253       0.0237       4.2921     95.4387      410.0000     430.1889     571.5484     430.1889     435.1158
      865.0       1.0000      0.0086       0.0080       4.1475     94.6787      408.0000     428.5910     566.3962     428.5910     433.6412
      864.5       1.0000      0.0000       0.0000       5.0992     95.8469      409.0000     426.8637     563.1558     426.8637     434.8127
      864.0       1.0000      0.0000       0.0000       2.7503     93.4916      413.0000     423.9413     560.1106     423.9413     428.2419
      863.5       1.0000      0.0321       0.0300       1.9796     77.2313      409.0000     421.7029     553.9044     421.7029     424.4403
      863.0       1.0000      0.0081       0.0076       4.3476     68.6433      396.0000     421.2046     553.4414     421.2046     428.6965
      862.5       1.0000      0.0289       0.0270       4.0426     65.0186      406.0000     423.0879     556.6521     423.0879     430.6259
      862.0       1.0000      0.6565       0.6141       4.0522     75.2301      405.0000     431.0921     556.1098     431.0921     433.7925
      861.5       0.6326      5.1726       4.8386       4.0522     79.0967      398.0000     413.7595     559.5115     413.7595     433.7925
      861.0       0.2946     16.6195      15.5461      16.6195    78.3399      398.0000     415.3867     558.8337     415.3867     412.7329
      860.5       0.4254     10.5810       9.8976       0.2858     76.7669      394.0000     410.4220     532.5256     410.4220     382.5000
      860.0       0.1831     24.4268      22.8491      24.4268    73.3049      407.0000     413.3988     533.3781     413.3988     413.3988
      859.5       0.2862     17.1083      16.0034      17.1083    74.0903      404.0000     412.5262     528.7233     412.5262     412.5262
      859.0       0.2404     20.0423      18.7478      20.0423    79.3392      401.0000     412.9578     528.0409     412.9578     412.9578
      858.5       0.2437     19.8130      18.5334      19.8130    83.1442      408.0000     412.5975     526.5638     412.5975     412.5975
      858.0       0.2319     20.6359      19.3030      20.6359    91.6921      409.0000     412.7271     525.8984     412.7271     412.7271
      857.5       0.2494     19.4286      18.1738      19.4286    87.6327      405.0000     412.1945     525.1205     412.1945     412.1945
      857.0       0.3084     15.8489      14.8253      15.8489    84.7080      390.0000     410.7350     525.3122     410.7350     410.7350
      856.5       0.3473     13.8565      12.9616      13.8565    81.3201      398.0000     410.1117     525.5590     410.1117     410.1117
      856.0       0.3335     14.5292      13.5908      14.5292    78.8645      400.0000     410.1605     525.5878     410.1605     410.1605
      855.5       0.3194     15.2581      14.2726      15.2581    85.7736      394.0000     410.0578     525.9662     410.0578     410.0578
      855.0       0.2975     16.4542      15.3915      16.4542    91.4021      394.0000     410.5150     525.9557     410.5150     410.5150
      854.5       0.2694     18.1348      16.9635      18.1348    88.3572      403.0000     411.0741     525.1201     411.0741     411.0741
      854.0       0.2546     19.0793      17.8470      19.0793    84.3882      400.0000     411.3468     524.7611     411.3468     411.3468
      853.5       0.2735     17.8797      16.7249      17.8797    66.5687      399.0000     410.8598     524.7695     410.8598     410.8598
      853.0       0.2931     16.7047      15.6257      16.7047    67.0155      404.0000     410.3929     524.2845     410.3929     410.3929
      852.5       0.3051     16.0268      14.9917      16.0268    65.0188      398.0000     410.4456     524.2252     410.4456     410.4456
      852.0       0.3414     14.1394      13.2261      14.1394    69.7790      403.0000     410.0074     523.3486     410.0074     410.0074
      851.5       0.3927     11.8466      11.0814      11.8466    72.0357      403.0000     409.6039     523.0875     409.6039     409.6039
      851.0       0.4346     10.2500       9.5880      10.2500    75.4050      403.0000     408.9647     523.0772     408.9647     408.9647
      850.5       0.5249      7.5031       7.0185       7.5031    81.6714      406.0000     408.9160     522.8757     408.9160     408.9160
      850.0       0.5989      5.8118       5.4364       5.8118    78.1025      393.0000     409.1589     523.2298     409.1589     409.1589
      849.5       0.7455      3.5030       3.2767       3.5030    77.6697      398.0000     409.1810     524.4651     409.1810     409.1810
      849.0       0.8125      2.7790       2.5995       2.7790    77.2538      403.0000     409.3910     524.7161     409.3910     409.3910
      848.5       0.8154      2.7514       2.5737       2.7514    75.9680      398.0000     410.3891     524.6128     410.3891     410.3891
      848.0       0.7698      3.2210       3.0130       3.2210    74.2295      399.0000     409.7908     524.1443     409.7908     409.7908
      847.5       0.6757      4.4576       4.1697       4.4576    80.0631      398.0000     409.2968     523.7190     409.2968     409.2968
      847.0       0.5588      6.6734       6.2424       6.6734    94.1081      404.0000     409.2184     522.6553     409.2184     409.2184
      846.5       0.4340     10.2714       9.6080      10.2714    106.2325     408.0000     408.6073     523.2209     408.6073     408.6073
      846.0       0.3609     13.2176      12.3639      13.2176    98.4431      403.0000     408.8273     523.2982     408.8273     408.8273
      845.5       0.3097     15.7738      14.7550      15.7738    95.2465      396.0000     410.9706     523.2206     410.9706     410.9706
      845.0       0.3016     16.2251      15.1772      16.2251    90.0535      399.0000     411.0511     523.8462     411.0511     411.0511
      844.5       0.2943     16.6396      15.5649      16.6396    98.8387      403.0000     411.1264     525.0419     411.1264     411.1264
      844.0       0.2950     16.5959      15.5240      16.5959    95.7500      401.0000     411.1118     525.0024     411.1118     411.1118
      843.5       0.2605     18.6794      17.4317      18.6794    92.4297      407.0000     410.7758     524.9031     410.7758     410.7758
      843.0       0.2296     20.8038      19.4602      20.8038    87.1065      405.0000     411.5423     524.9365     411.5423     411.5423
      842.5       0.2219     21.3649      19.9850      21.3649    88.6137      403.0000     411.5317     524.7625     411.5317     411.5317
      842.0       0.2215     21.3914      20.0098      21.3914    91.0485      408.0000     411.6110     525.0540     411.6110     411.6110
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841.5	0.2270	20.9874	19.6319	20.9874	96.6742	401.0000	411.7266	525.3125	411.7266	411.7266
841.0	0.2313	20.6791	19.3435	20.6791	102.6308	406.0000	411.8654	525.3540	411.8654	411.8654
840.5	0.2356	19.8873	18.6029	19.8873	105.2905	408.0000	412.0198	525.4132	412.0198	412.0198
840.0	0.2611	18.6607	17.4554	18.6607	103.7299	407.0000	411.9300	525.3890	411.9300	411.9300
839.5	0.2727	17.9250	16.7672	17.9250	98.0145	408.0000	411.8506	525.5447	411.8506	411.8506
839.0	0.2820	17.3622	16.2409	17.3622	93.7191	406.0000	411.7623	525.2529	411.7623	411.7623
838.5	0.2843	17.2232	16.1108	17.2232	92.2910	403.0000	411.8191	524.8473	411.8191	411.8191
838.0	0.2869	17.0663	15.9640	17.0663	100.0340	400.0000	411.5836	525.1827	411.5836	411.5836
837.5	0.3053	16.0169	14.9824	16.0169	100.4336	405.0000	410.8741	523.6271	410.8741	410.8741
837.0	0.2991	16.3972	15.3180	16.3972	100.3939	399.0000	411.4220	524.8219	411.4220	411.4220
836.5	0.3279	14.8142	13.8574	14.8142	93.6083	389.0000	409.9171	525.0865	409.9171	409.9171
836.0	0.3163	15.4198	14.4239	15.4198	92.2312	406.0000	411.0863	525.1994	411.0863	411.0863
835.5	0.3091	15.8078	14.7869	15.8078	92.9398	400.0000	411.5784	525.5513	411.5784	411.5784
835.0	0.2824	17.3135	16.2140	17.3135	96.3090	406.0000	411.4447	525.5748	411.4447	411.4447
834.5	0.2776	17.6262	16.4878	17.6262	96.8157	406.0000	411.6431	525.6541	411.6431	411.6431
834.0	0.2651	18.4016	17.2130	18.4016	100.7687	407.0000	412.4115	525.5872	412.4115	412.4115
833.5	0.2514	19.2038	18.0489	19.2951	99.4907	405.0000	411.4522	525.0321	411.4522	411.4522
833.0	0.2396	20.0966	18.7986	20.0966	102.7394	407.0000	412.2643	526.0897	412.2643	412.2643
832.5	0.2427	19.8863	18.6019	19.8863	95.0670	401.0000	412.2748	525.5478	412.2748	412.2748
832.0	0.2364	20.3205	19.0081	20.3205	98.1874	404.0000	412.3887	526.1301	412.3887	412.3887
831.5	0.2330	20.5827	19.2346	20.5827	102.1344	408.0000	412.3787	526.2733	412.3787	412.3787
831.0	0.2186	21.6061	20.2106	21.6061	102.5488	406.0000	412.5732	526.1099	412.5732	412.5732
830.5	0.2113	22.1605	20.7292	22.1605	97.3875	407.0000	412.4698	526.2201	412.4698	412.4698
830.0	0.2104	22.2350	20.7961	22.2320	88.2893	405.0000	412.3456	526.3925	412.3456	412.3456
829.5	0.2017	22.9063	21.4268	22.9063	91.3186	398.0000	412.6588	526.3536	412.6588	412.6588
829.0	0.1956	23.3987	21.8874	23.3987	96.4921	404.0000	412.8315	526.5688	412.8315	412.8315
828.5	0.2049	22.6904	21.1957	22.6904	97.3752	403.0000	412.8950	526.5511	412.8950	412.8950
828.0	0.2024	22.8482	21.3725	22.8482	87.6483	396.0000	413.0023	526.3743	413.0023	413.0023
827.5	0.1997	23.0669	21.5771	23.0669	82.0331	401.0000	412.9102	526.4509	412.9102	412.9102
827.0	0.1983	23.1763	21.6794	23.1763	85.0447	403.0000	412.7477	526.4172	412.7477	412.7477
826.5	0.1935	23.5636	22.0417	23.5636	96.6457	399.0000	412.8438	526.3874	412.8438	412.8438
826.0	0.1898	23.8662	22.3248	23.8662	100.9732	398.0000	412.7838	526.2554	412.7838	412.7838
825.5	0.1823	24.4944	22.9124	24.4944	102.2714	399.0000	412.6816	526.2621	412.6816	412.6816
825.0	0.1766	24.9491	23.3701	24.9387	100.2547	403.0000	412.7250	526.0525	412.7250	412.7250
824.5	0.1788	24.7893	23.1883	24.7893	95.5134	398.0000	412.6587	526.0756	412.6587	412.6587
824.0	0.1799	24.6942	23.0993	24.6942	100.7064	401.0000	412.5683	526.0248	412.5683	412.5683
823.5	0.1774	24.9119	23.3029	24.9119	91.9208	407.0000	412.7718	526.1087	412.7718	412.7718
823.0	0.1695	25.5769	23.9438	25.5770	88.4399	404.0000	412.6622	527.8572	412.6622	412.6622
822.5	0.1680	25.7327	24.0707	25.7327	77.1628	392.0000	412.8354	525.9857	412.8354	412.8354
822.0	0.1420	28.1484	26.3304	28.1484	89.5529	396.0000	414.5348	533.8745	414.5348	414.5348
821.5	0.2072	22.4704	21.0219	22.4704	99.9388	408.0000	412.6036	530.2710	412.6036	412.6036
821.0	1.0000	0.3474	0.3250	5.0869	108.7295	397.0000	418.6714	530.3876	418.6714	424.8765
820.5	0.3689	12.8600	12.0294	12.8600	100.5249	405.0000	416.8009	530.3654	416.8009	416.8009
820.0	0.3612	13.2077	12.3547	13.2077	96.0548	408.0000	416.9627	530.3368	416.9627	416.9627
819.5	0.3724	12.7067	11.8860	12.7067	97.2430	399.0000	416.7687	530.4835	416.7687	416.7687
819.0	1.0000	0.0956	0.0894	16.2592	105.0149	404.0000	420.6381	530.2298	420.6381	423.3026
818.5	0.1672	25.8056	24.1389	25.8056	105.8329	410.0000	414.2931	530.3589	414.2931	414.2931
818.0	0.2220	21.3527	19.9736	21.3527	109.7277	398.0000	414.1271	530.1497	414.1271	414.1271
817.5	0.2075	22.4558	21.0054	22.4558	100.5657	399.0000	413.2040	527.6046	413.2040	413.2040
817.0	0.2360	20.3492	19.0349	20.3492	99.4778	401.0000	413.0697	527.6681	413.0697	413.0697
816.5	0.2755	17.7529	16.6063	17.7529	89.0919	401.0000	413.1754	527.2834	413.1754	413.1754
816.0	0.2554	19.0727	17.7989	19.0727	93.4864	403.0000	413.4823	527.2134	413.4823	413.4823
815.5	0.2629	18.5407	17.3432	18.5407	94.7626	408.0000	413.5431	527.2593	413.5431	413.5431
815.0	0.2276	20.9504	19.5972	20.9504	101.2538	398.0000	413.4048	527.1308	413.4048	413.4048
814.5	0.2145	21.9911	20.5006	21.9911	106.0669	403.0000	413.4776	527.2227	413.4776	413.4776
814.0	0.1974	23.2491	21.7475	23.2491	107.3649	404.0000	413.2921	527.1133	413.2921	413.2921
813.5	0.1661	25.9014	24.2285	25.9014	106.9551	400.0000	413.3595	526.9442	413.3595	413.3595
813.0	0.1622	26.2521	24.5566	26.2521	108.2329	404.0000	413.4374	526.7424	413.4374	413.4374
812.5	0.1695	25.6023	23.9487	25.6023	108.6657	396.0000	413.2660	526.7968	413.2660	413.2660
812.0	0.1860	24.1814	22.6196	24.1814	103.4919	403.0000	413.1821	526.9464	413.1821	413.1821
811.5	0.2082	22.4019	20.9550	22.4019	105.1754	400.0000	413.1407	526.8198	413.1407	413.1407
811.0	0.2214	21.4015	20.0192	21.4015	107.1391	397.0000	413.0627	526.8535	413.0627	413.0627
810.5	0.2410	19.9993	18.7076	19.9993	121.3242	394.0000	412.8627	527.0345	412.8627	412.8627
810.0	0.2455	19.6897	18.4180	19.6897	124.8104	399.0000	412.8284	527.0283	412.8284	412.8284
809.5	0.2287	20.8683	19.5205	20.8683	123.0795	407.0000	413.0316	526.9427	413.0316	413.0316
809.0	0.2138	21.9660	20.5472	21.9660	113.4897	403.0000	413.0900	526.9751	413.0900	413.0900
808.5	0.1957	23.3860	21.8755	23.3860	102.6710	400.0000	413.2366	526.9271	413.2366	413.2366
808.0	0.1771	24.9353	23.3245	24.9350	107.5566	389.0000	413.3296	527.1199	413.3296	413.3296
807.5	0.1636	26.1024	24.4408	26.1284	106.9707	387.0000	413.6289	526.9718	413.6289	413.6289
807.0	0.1614	26.3312	24.6305	26.3312	104.3742	396.0000	413.6586	527.0884	413.6586	413.6586
806.5	0.1614	26.3270	24.6266	26.3270	90.8337	387.0000	413.3152	527.2294	413.3152	413.3152
806.0	0.1640	26.0942	24.4088	26.0942	87.0420	389.0000	413.4128	527.0238	413.4128	413.4128
805.5	0.1538	27.0299	25.2841	27.0299	81.4018	388.0000	413.4265	526.6967	413.4265	413.4265
805.0	0.1593	26.5195	24.8067	26.5195	81.3097	390.0000	413.3832	526.1944	413.3832	413.3832
804.5	0.1868	24.1158	22.5582	24.1158	79.0861	398.0000	412.8756	526.0059	412.8756	412.8756
804.0	0.2331	20.5561	19.2284	20.5561	82.3954	406.0000	412.6631	526.0781	412.6631	412.6631
803.5	0.2553	19.0394	17.8097	19.0394	89.5786	392.0000	412.2692	526.0988	412.2692	412.2692
803.0	0.2406	20.0270	18.7335	20.0270	89.3871	384.0000	412.5540	526.2353	412.5540	412.5540
802.5	0.2454	19.6990	18.4267	19.6990	84.1941	391.0000	412.5045	526.1092	412.5045	412.5045
802.0	0.2324	20.6016	19.2710	20.6016	74.4281	383.0000	412.5469	526.3176	412.5469	412.5469
801.5	0.1951	23.4382	21.9244	23.4382	68.5472	388.0000	412.8355	526.1638	412.8355	412.8355
801.0	0.1528	27.1213	25.3696	27.1213	67.6817	396.0000	413.0905	526.0622	413.0905	413.0905
800.5	0.1366	28.6809	26.8276	28.6809	75.2839	403.0000	413.8187	526.0267	413.8187	413.8187
800.0	0.1291	29.4376	27.5363	29.4376	79.1670	400.0000	413.9409	526.2885	413.9409	413.9409
799.5	0.1294	29.4006	27.5017	29.4006	77.0033	397.0000	413.9322	527.0532	413.9322	413.9322
799.0	0.1329	29.0433	27.1722	29.0433	68.3483	397.0000	413.9733	527.0367	413.9733	413.9733
798.5	0.1369	28.6516	26.8011	28.6516	59.5577	392.0000	413.8343	526.7422	413.8343	413.8343
798.0	0.1447	27.8881	26.0869	27.8881	63.8852	391.0000	413.6526	526.4953	413.6526	413.6526
797.5	0.1500	27.3892	25.6202	27.3892	61.2887	398.0000	413.4528	525.9915	413.4528	413.4528
797.0	0.1750	25.1127	23.4991	25.1127	66.8827	392.0000	413.2326	525.7508	413.2326	413.2326
796.5	0.1923	23.6634	22.1350	23.6634	71.2102	399.0000	412.7339	525.5310	412.7339	412.7339
796.0	0.2264	21.0368	19.6781	21.0368	80.0400	409.0000	412.5652	525.1832	412.5652	412.5652
795.5	0.2418	19.9421	18.6543	19.9421	85.8587	394.0000	412.1628	525.1302	412.1628	412.1628
795.0	0.2786	17.5668	16.4323	17.5668	95.8119	399.0000	411.9774	525.0358	411.9774	411.9774
794.5	0.2769	17.6669	16.5258	17.6669	96.9542	393.0000	412.0614	524.7895	412.0614	412.0614
794.0	0.2747	17.8032	16.6534	17.8032	101.9044	391.0000	411.9775	524.9988	411.9775	411.9775
793.5	0.2588	18.8806	17.5938	18.8806	100.6061	388.0000	411.8298	524.8511	411.8298	411.8298
793.0	0.2356	20.3760	19.0600	20.3760	106.2566	389.0000	412.4594	524.9352	412.4594	412.4594
792.5	0.2149	21.8875	20.4738	21.8875	98.7099	396.0000	412.1524	525.0295	412.1524	412.1524
792.0	0.2016	22.9121	21.4381	22.9121	91.7860	392.0000	412.5749	525.1195	412.5749	412.5749
791.5	0.1925	23.6475	22.1202	23.6475	88.2804	396.0000	412.9502	525.4036	412.9502	412.9502
791.0	0.1819	24.5292	22.9449	24.5292	91.0517	403.0000	413.0955	525.7497	413.0955	413.0955
790.5	0.1861	24.1789	22.6172	24.1789	90.6189	382.0000	413.1096	525.8883	413.1096	413.1096
790.0	0.1988	23.1197	21.6433	23.1197	92.7827	381.0000	413.0339	525.8295	413.0339	413.0339
789.5	0.1970	23.2782	21.7747	23.2782	100.3746	390.0000	412.8192	526.0103	412.8192	412.8192
789.0	0.1976	23.2302	21.7298	23.2302	107.7313	396.0000	412.7191	526.0609	412.7191	412.7191
788.5	0.1941	23.5170	21.9981	23.5170	105.4583	392.0000	412.7703	525.9732	412.7703	412.7703
788.0	0.1855	24.2229	22.6584	24.2229	101.1738	393.0000	412.7791	526.0355	412.7791	412.7791
787.5	0.1698	25.5729	23.9212	25.5729	96.4136	397.0000	413.0631	525.9523	413.0631	413.0631
787.0	0.1702	25.5411	23.8920	25.5417	98.6865	398.0000	413.2149	525.8079	413.2149	413.2149
786.5	0.1689	25.6552	23.9982	25.6552	106.1676	390.0000	413.0715	525.8593	413.0715	413.0715
786.0	0.1622	26.2528	24.5572	26.2528	112.6588	398.0000	413.1669	525.9386	413.1669	413.1669
785.5	0.1678	25.7493	24.0862	25.7493	115.6881	389.0000	413.2701	525.5522	413.2701	413.2701
785.0	0.1845	24.3490	22.7763	24.3490	114.4893	393.0000	413.2453	525.7220	413.2453	413.2453
784.5	0.2063	22.5474	21.0911	22.5474	111.8929	387.0000	412.8164	525.6474	412.8164	412.8164
784.0	0.2325	20.5929	19.2629	20.5929	105.4017	388.0000	412.8202	525.5441	412.8202	412.8202
783.5	0.2410	20.0018	18.7097	20.0018	101.0064	396.0000	412.6469	525.6212	412.6469	412.6469
783.0	0.2446	19.7531	18.4773	19.7531	98.9426	383.0000	412.6021	525.6770	412.6021	412.6021
782.5	0.2047	22.6721	21.2078	22.6721	96.2461	384.0000	413.2507	525.7010	413.2507	413.2507
782.0	0.2176	23.2302	21.7298	23.2302	87.8476	389.0000	413.5118	525.8685	413.5118	413.5118
781.5	0.1720	25.3847	23.7452	25.3847	78.1010	398.0000	413.3934	525.8220	413.3934	413.3934
781.0	0.1378	28.5628	26.7180	28.5628	69.8788	372.0000	413.9738	528.1523	413.9738	413.9738
780.5	0.0885	33.8896	31.6821	33.8696	65.0792	374.0000	414.1628	526.2760	414.1628	414.1628
780.0	0.0475	39.0121	36.4924	39.0121	61.8434	403.0000	416.0973	526.4451	416.0973	416.0973
779.5	0.0833	34.4803	32.2533	34.4803	64.8873	383.0000	414.4542	526.3026	414.4542	414.4542
779.0	1.0000	0.7162	0.6699	45.4482	64.0886	377.0000	422.6535	526.0050	422.6535	426.9196
778.5	1.0000	0.1802	0.1686	24.9796	59.3284	382.0000	421.0581	539.7390	421.0581	424.1506
778.0	1.0000	0.2163	0.2024	25.5011	51.5340	393.0000	420.5564	534.0171	420.5564	423.1408
777.5	1.0000	0.1535	0.1436	11.7615	47.6119	388.0000	426.6039	534.2764	426.6039	429.2607
777.0	1.0000	0.0566	0.0529	5.5867	48.8055	389.0000	420.4142	534.2777	420.4142	422.5318
776.5	0.1922	23.6754	22.1454	23.6754	56.5852	383.0000	421.6036	534.2784	421.6036	422.4648
776.0	0.0346	40.7969	38.1619	40.7969	60.0471	390.0000	424.2930	536.4898	424.2930	421.8415
775.5	0.1200	30.3765	28.4146	30.3765	67.2491	388.0000	420.2759	533.7695	420.2759	420.2759
775.0	0.0000	49.3943	46.2040	49.3943	59.4597	385.0000	418.0791	536.1628	418.0791	418.0791
774.5	0.0169	43.3572	40.5569	43.3572	61.6234	379.0000	415.8985	530.7774	415.8985	415.8985
774.0	0.0699	36.1101	33.7779	36.1101	62.0371	389.0000	414.3032	530.6339	414.3032	414.3032
773.5	0.0639	36.8699	34.4886	36.8699	70.2444	393.0000	414.2358	528.9145	414.2358	414.2358
773.0	0.0647	36.7680	34.3933	36.7680	72.8409	387.0000	414.3592	527.1420	414.3592	414.3592
772.5	0.0657	36.6368	34.2706	36.6368	72.4272	383.0000	414.3184	527.0930	414.3184	414.3184
772.0	0.0694	36.1718	33.8355	36.1718	72.4421	391.0000	414.2972	527.2852	414.2972	414.2972
771.5	0.0709	35.9922	33.6676	35.9922	71.5766	382.0000	414.2228	527.1144	414.2228	414.2228
771.0	0.0676	36.3993	34.0483	36.3993	68.7674	380.0000	414.3812	527.1145	414.3812	414.3812
770.5	0.0841	34.3832	32.1625	34.3832	60.5549	391.0000	414.0943	527.0906	414.0943	414.0943
770.0	0.0752	35.4530	33.1632	35.4530	57.5317	385.0000	414.1676	526.8511	414.1676	414.1676
769.5	0.0847	34.3134	32.0954	34.3134	60.1527	382.0000	414.1016	526.4894	414.1016	414.1016
769.0	0.1065	31.8268	29.7712	31.8268	70.1121	383.0000	413.8338	526.4672	413.8338	413.8338
768.5	0.1370	28.6381	26.7884	28.6381	73.5681	388.0000	413.4923	526.1104	413.4923	413.4923
768.0	0.1618	26.2895	24.5915	26.2895	82.9656	391.0000	413.5209	526.0629	413.5209	413.5209
767.5	0.1738	25.2262	23.5969	25.2262	94.6106	385.0000	413.1491	526.0930	413.1491	413.1491
767.0	0.1950	23.4453	21.9310	23.4453	104.5638	383.0000	413.0815	525.9617	413.0815	413.0815
766.5	0.1930	23.6089	22.0841	23.6089	102.5378	384.0000	413.1020	525.9657	413.1020	413.1020
766.0	0.1835	24.3941	22.8185	24.3941	96.1120	389.0000	412.9455	525.5596	412.9455	412.9455
765.5	0.1646	26.0393	24.3575	26.0393	96.9774	390.0000	413.0106	525.3865	413.0106	413.0106
765.0	0.1624	26.2410	24.5462	26.2410	87.4570	391.0000	412.6720	525.4542	412.6720	412.6720
764.5	0.1842	24.3373	22.7654	24.3373	94.6275	397.0000	412.8428	525.4725	412.8428	412.8428
764.0	0.1570	26.7115	25.0050	26.7115	89.8862	387.0000	413.1975	525.5145	413.1975	413.1975
763.5	0.1576	26.6774	24.9544	26.6774	100.7049	380.0000	413.3261	525.6842	413.3261	413.3261
763.0	0.1536	27.0457	25.2989	27.0457	89.5232	388.0000	413.3660	525.8707	413.3660	413.3660
762.5	0.1626	26.2256	24.5256	26.2256	90.3893	388.0000	413.4068	526.0263	413.4068	413.4068
762.0	0.1259	29.7563	27.8344	29.7563	82.5598	377.0000	412.8987	526.0831	412.8987	412.8987
761.5	0.1040	32.0985	30.0253	32.0985	94.1808	388.0000	413.6734	525.6860	413.6734	413.6734
761.0	0.0976	32.8139	30.6974	32.8139	94.4888	385.0000	413.8019	525.3279	413.8019	413.8019
760.5	0.1002	32.5199	30.4196	32.5199	104.9800	389.0000	413.4724	525.1001	413.4724	413.4724
760.0	0.1292	29.4203	27.5201	29.4203	101.7174	373.0000	413.4460	526.0811	413.4460	413.4460
759.5	0.1218	30.1890	28.2391	30.1890	96.5823	388.0000	413.5358	526.0804	413.5358	413.5358
759.0	0.1203	30.3432	28.3834	30.3432	98.7460	378.0000	413.4517	526.0145	413.4517	413.4517
758.5	0.1243	29.9219	27.9894	29.9219	97.6354	390.0000	413.3473	525.7857	413.3473	413.3473
758.0	0.1337	28.9704	27.0993	28.9704	100.6276	379.0000	413.2970	525.5172	413.2970	413.2970
757.5	0.1200	30.3729	28.4112	30.3729	101.0393	387.0000	412.9792	525.4551	412.9792	412.9792
757.0	0.1272	29.6301	27.7163	29.6301	100.4178	376.0000	413.1586	525.4551	413.1586	413.1586
756.5	0.1504	27.3457	25.5795	27.3457	102.2178	388.0000	412.8750	525.9254	412.8750	412.8750
756.0	0.1932	23.5924	22.0686	23.5924	106.1570	384.0000	412.1870	523.7248	412.1870	412.1870
755.5	0.2334	20.5529	19.2038	20.5529	111.1517	387.0000	411.6084	523.5353	411.6084	411.6084
755.0	0.2845	17.2112	16.0995	17.2112	108.4655	385.0000	411.1061	523.0477	411.1061	411.1061
754.5	0.3261	14.9091	13.9462	14.9091	103.2490	389.0000	410.7326	522.5906	410.7326	410.7326
754.0	0.3650	13.0350	12.1934	13.0350	100.4194	383.0000	410.5359	521.9435	410.5359	410.5359
753.5	0.4041	11.3865	10.6511	11.3865	103.8814	383.0000	410.2289	521.3563	410.2289	410.2289
753.0	0.4452	9.8809	9.2428	9.8809	99.3794	390.0000	409.8552	520.7854	409.8552	409.8552
752.5	0.4629	9.2955	8.6951	9.2955	97.2144	384.0000	409.5099	520.5474	409.5099	409.5099
752.0	0.4773	8.8429	8.2717	8.8429	98.0779	381.0000	409.2829	520.6040	409.2829	409.2829
751.5	0.4968	8.2668	7.7329	8.2668	106.0667	382.0000	409.1248	519.5317	409.1248	409.1248
751.0	0.5119	7.8489	7.3420	7.8489	103.4686	383.0000	408.6560	519.4481	408.6560	408.6560
750.5	0.5186	7.6678	7.1725	7.6678	104.3361	374.0000	408.5222	519.1462	408.5222	408.5222
750.0	0.5267	7.4575	6.9759	7.4575	103.4457	377.0000	408.3989	518.8032	408.3989	408.3989
749.5	0.5298	7.3781	6.9016	7.3781	106.2463	378.0000	408.3384	518.9585	408.3384	408.3384
749.0	0.5200	7.6316	7.1387	7.6316	104.5378	382.0000	408.4425	518.9824	408.4425	408.4425
748.5	0.4914	8.4391	7.8798	8.4439	100.0295	390.0000	408.5807	519.3297	408.5807	408.5807
748.0	0.4598	9.3960	8.7891	9.3960	98.2328	390.0000	408.9297	519.7159	408.9297	408.9297
747.5	0.4499	9.7229	9.0949	9.7229	87.8244	375.0000	409.3088	520.0385	409.3088	409.3088
747.0	0.4440	9.9309	9.2797	9.9309	94.2965	380.0000	409.7897	520.0100	409.7897	409.7897
746.5	0.4490	9.7524	9.1225	9.7524	96.5236	378.0000	409.9028	519.6396	409.9028	409.9028
746.0	0.5116	7.8558	7.3484	7.8558	102.1404	387.0000	409.5538	519.5676	409.5538	409.5538
745.5	0.5615	6.6125	6.1854	6.6125	100.8421	377.0000	409.0454	520.3116	409.0454	409.0454
745.0	0.5944	5.9018	5.5206	5.9018	99.2246	384.0000	408.8069	520.6501	408.8069	408.8069
744.5	0.6022	5.7456	5.3745	5.7456	102.2383	384.0000	408.8905	521.1965	408.8905	408.8905
744.0	0.6398	5.0459	4.7200	5.0459	96.1798	383.0000	408.9776	521.4921	408.9776	408.9776
743.5	0.5640	6.5550	6.1316	6.5550	103.1037	383.0000	409.3508	521.3597	409.3508	409.3508
743.0	0.5142	7.7848	7.2820	7.7848	107.4763	389.0000	410.7669	521.7582	410.7669	410.7669
742.5	0.4593	9.4105	8.8027	9.4105	112.2798	384.0000	411.3946	523.1573	411.3946	411.3946
742.0	0.4210	10.7415	10.0477	10.7415	113.5534	381.0000	411.9264	523.2627	411.9264	411.9264
741.5	0.3952	11.7142	10.9847	11.7142	118.5913	382.0000	412.0142	523.0489	412.0142	412.0142
741.0	0.3704	12.7918	11.9656	12.7918	122.6870	382.0000	411.8908	523.9203	411.8908	411.8908
740.5	0.3415	14.1376	13.2244	14.1376	121.0041	381.0000	411.6016	523.9213	411.6016	411.6016
740.0	0.3219	15.1252	14.1462	15.1252	114.3469	382.0000	411.9862	523.8794	411.9862	411.9862
739.5	0.3209	15.1779	14.1976	15.1779	114.1

713.5	0.6413	5.0201	4.6958	5.0201	109.4276	382.0000	409.6137	519.6008	409.6137	409.6137
713.0	0.6838	4.3340	4.0541	4.3340	100.3399	374.0000	409.1981	519.6111	409.1981	409.1981
712.5	0.6998	4.1013	3.8364	4.1013	98.1762	372.0000	409.1310	519.2797	409.1310	409.1310
712.0	0.7199	3.8261	3.5790	3.8261	103.8593	367.0000	409.3859	520.2042	409.3859	409.3859
711.5	0.7545	3.3960	3.1766	3.3960	106.8311	382.0000	409.4774	520.1860	409.4774	409.4774
711.0	0.7809	3.1002	2.9000	3.1002	106.3984	373.0000	409.3103	520.7939	409.3103	409.3103
710.5	0.8123	2.7815	2.6018	2.7815	100.7727	371.0000	408.7685	520.5021	408.7685	408.7685
710.0	0.7998	2.9037	2.7161	2.9037	94.3388	369.0000	409.1006	520.9314	409.1006	409.1006
709.5	0.8006	2.8961	2.7091	2.8961	85.1259	375.0000	409.3532	521.0540	409.3532	409.3532
709.0	0.7926	2.9797	2.7849	2.9797	81.6640	371.0000	409.1261	522.1296	409.1261	409.1261
708.5	0.8066	2.8369	2.6537	2.8369	82.9622	376.0000	409.2974	522.1467	409.2974	409.2974
708.0	0.8240	2.6714	2.4988	2.6714	74.1716	371.0000	409.1325	521.5421	409.1325	409.1325
707.5	0.8285	2.6301	2.4602	2.6301	72.4406	376.0000	409.1464	521.9002	409.1464	409.1464
707.0	0.8233	2.6772	2.5043	2.6772	71.1583	375.0000	409.1505	521.7197	409.1505	409.1505
706.5	0.8241	2.6699	2.4974	2.6699	75.2996	388.0000	409.3265	521.1404	409.3265	409.3265
706.0	0.8219	2.6908	2.5170	2.6908	74.4341	369.0000	409.1691	521.1317	409.1691	409.1691
705.5	0.8285	2.6298	2.4600	2.6298	87.2452	381.0000	409.0415	521.1909	409.0415	409.0415
705.0	0.8244	2.6673	2.4950	2.6673	90.2887	382.0000	408.9398	522.1702	408.9398	408.9398
704.5	0.8349	2.5727	2.4065	2.5727	91.1542	377.0000	409.0665	521.2257	409.0665	409.0665
704.0	0.8269	2.6447	2.4736	2.6447	83.5428	375.0000	409.0397	523.0813	409.0397	409.0397
703.5	0.8438	2.4943	2.3332	2.4943	90.5194	368.0000	409.7697	524.7459	409.7697	409.7697
703.0	0.8784	2.2134	2.0704	2.2134	103.9597	375.0000	410.4879	524.8982	410.4879	410.4879
702.5	0.9072	2.0041	1.8747	2.0041	107.7578	377.0000	411.0002	525.5024	411.0002	411.0002
702.0	0.9160	1.9443	1.8187	1.9443	113.5945	374.0000	411.2989	525.8876	411.2989	411.2989
701.5	0.9255	1.8816	1.7601	1.8816	104.0490	368.0000	411.6938	526.1826	411.6938	411.6938
701.0	0.9357	1.8160	1.6987	1.8160	104.5247	365.0000	412.3083	527.9280	412.3083	412.3083
700.5	0.9420	1.7771	1.6623	1.7771	94.3424	374.0000	412.2733	528.9573	412.2733	412.2733
700.0	0.9461	1.7520	1.6388	1.7520	94.3845	381.0000	412.3377	533.6042	412.3377	412.3377
699.5	0.9538	1.7062	1.5960	1.7062	90.4682	385.0000	412.0677	532.9552	412.0677	412.0677
699.0	0.9584	1.6794	1.5710	1.6794	96.9996	380.0000	411.8700	534.7574	411.8700	411.8700
698.5	0.9676	1.6271	1.5220	1.6271	96.0734	380.0000	411.8417	537.5000	411.8417	411.8417
698.0	0.9878	1.5171	1.4191	1.5171	95.7159	385.0000	411.7308	535.0000	411.7308	411.7308
697.5	0.9842	1.5359	1.4367	1.5359	95.6938	377.0000	411.6049	533.9133	411.6049	411.6049
697.0	0.9746	1.5878	1.4853	1.5878	97.4829	380.0000	411.6864	531.7540	411.6864	411.6864
696.5	0.9860	1.5264	1.4279	1.5264	101.4390	382.0000	410.9025	535.0000	410.9025	410.9025
696.0	0.9781	1.5688	1.4675	1.5688	99.7081	374.0000	410.6645	525.8807	410.6645	410.6645
695.5	0.9634	1.6506	1.5440	1.6506	98.8031	378.0000	410.4976	525.9091	410.4976	410.4976
695.0	0.9537	1.7070	1.5968	1.7070	101.7421	381.0000	409.5277	528.5940	409.5277	409.5277
694.5	0.9245	1.8877	1.7658	1.8877	97.3779	372.0000	409.3128	529.5878	409.3128	409.3128
694.0	0.9102	1.9832	1.8551	1.9832	102.6145	376.0000	411.7166	541.5328	411.7166	411.7166
693.5	0.9560	6.7392	6.3038	6.7392	116.4159	385.0000	416.5633	526.8491	416.5633	416.5633
693.0	0.9504	1.7266	1.6151	1.7266	119.5224	376.0000	412.2442	525.4121	412.2442	412.2442
692.5	0.7863	3.0423	2.8458	3.0423	119.4810	365.0000	413.7797	525.1167	413.7797	413.7797
692.0	0.7201	3.8238	3.5769	3.8238	103.4963	374.0000	414.1604	525.3551	414.1604	414.1604
691.5	0.6912	4.2247	3.9518	4.2247	106.4580	359.0000	414.3453	525.0905	414.3453	414.3453
691.0	1.0000	0.0495	0.0463	11.3537	102.6011	365.0000	419.7751	525.0764	419.7751	422.4817
690.5	0.6455	4.9479	4.6283	4.9479	105.6065	368.0000	411.3439	524.9385	411.3439	411.3439
690.0	0.6370	5.0955	4.7664	5.0955	106.4720	374.0000	409.1537	524.5697	409.1537	409.1537
689.5	0.7120	3.9326	3.6786	3.9326	111.5477	367.0000	409.4530	522.5897	409.4530	409.4530
689.0	0.7598	3.3342	3.1188	3.3342	112.5100	377.0000	409.7962	520.7720	409.7962	409.7962
688.5	0.8161	2.7452	2.5679	2.7452	108.1426	375.0000	410.1066	522.4898	410.1066	410.1066
688.0	0.8717	2.2651	2.1188	2.2651	99.3734	380.0000	410.2665	524.5969	410.2665	410.2665
687.5	0.9193	1.9222	1.7981	1.9222	104.4933	381.0000	410.6828	525.1130	410.6828	410.6828
687.0	0.8976	2.0715	1.9377	2.0715	115.3786	374.0000	411.0294	525.8572	411.0294	411.0294
686.5	0.8706	2.2781	2.1313	2.2781	118.5797	373.0000	411.3909	525.6926	411.3909	411.3909
686.0	0.8599	2.3598	2.2074	2.3598	106.4054	368.0000	411.8894	525.3683	411.8894	411.8894
685.5	0.8389	2.5373	2.3734	2.5373	101.6185	372.0000	411.5527	524.4631	411.5527	411.5527
685.0	0.7791	3.1186	2.9172	3.1186	106.4211	364.0000	412.1095	525.7684	412.1095	412.1095
684.5	0.6450	4.9562	4.6361	4.9562	114.2431	367.0000	413.1006	525.8987	413.1006	413.1006
684.0	0.5905	5.9832	5.5968	5.9832	108.5268	357.0000	413.2287	525.8992	413.2287	413.2287
683.5	0.5604	6.6386	6.2099	6.6386	98.9837	367.0000	413.3359	526.5148	413.3359	413.3359
683.0	0.4731	8.9738	8.3942	8.9738	92.9501	376.0000	413.6104	526.9125	413.6104	413.6104
682.5	0.4219	10.7068	10.0153	10.7068	93.7492	373.0000	414.1223	524.9946	414.1223	414.1223
682.0	0.3891	11.9909	11.2164	11.9909	97.2112	379.0000	413.6677	525.3301	413.6677	413.6677
681.5	0.4091	11.1930	10.4701	11.1930	93.7492	379.0000	413.2097	525.1471	413.2097	413.2097
681.0	0.4721	9.0067	8.4231	9.0067	96.5250	376.0000	412.7834	524.5891	412.7834	412.7834
680.5	0.5702	6.4160	6.0016	6.4160	98.6888	366.0000	412.3148	524.7020	412.3148	412.3148
680.0	0.7084	3.9823	3.7251	3.9823	103.0162	372.0000	411.1001	524.0667	411.1001	411.1001
679.5	0.7856	3.0495	2.8525	3.0495	96.6272	360.0000	410.9121	524.4561	410.9121	410.9121
679.0	0.8632	2.3331	2.1824	2.3331	106.1739	372.0000	410.7168	523.8165	410.7168	410.7168
678.5	0.8994	2.0591	1.9261	2.0591	94.4897	378.0000	410.5683	525.5455	410.5683	410.5683
678.0	0.9494	1.7526	1.6207	1.7526	97.3038	380.0000	410.2746	525.6611	410.2746	410.2746
677.5	0.9760	1.5803	1.4782	1.5803	86.8916	366.0000	411.0578	527.3814	411.0578	411.0578
677.0	0.9644	1.6448	1.5386	1.6448	92.9501	362.0000	410.3461	528.0624	410.3461	410.3461
676.5	0.9580	1.6818	1.5732	1.6818	93.4734	368.0000	410.6111	527.3749	410.6111	410.6111
676.0	0.9531	1.7103	1.5998	1.7103	94.7716	375.0000	410.7992	526.8560	410.7992	410.7992
675.5	0.9632	1.6515	1.5448	1.6515	103.3375	373.0000	410.9209	535.0000	410.9209	410.9209
675.0	0.9733	1.5949	1.4919	1.5949	108.5304	374.0000	410.5758	531.5335	410.5758	410.5758
674.5	0.9713	1.6063	1.5026	1.6063	105.9340	373.0000	410.5255	527.7594	410.5255	410.5255
674.0	0.9582	1.6804	1.5719	1.6804	100.3215	378.0000	410.5201	526.6395	410.5201	410.5201
673.5	0.9342	1.8257	1.7078	1.8257	97.3142	372.0000	410.4060	531.0259	410.4060	410.4060
673.0	0.9242	1.8899	1.7678	1.8899	106.8098	383.0000	410.1393	527.8325	410.1393	410.1393
672.5	0.9241	1.8904	1.7683	1.8904	104.1075	375.0000	410.2293	526.1342	410.2293	410.2293
672.0	0.9282	1.8640	1.7436	1.8640	108.1803	373.0000	410.6317	527.1465	410.6317	410.6317
671.5	0.9084	1.9956	1.8667	1.9956	103.8998	375.0000	410.7218	526.3630	410.7218	410.7218
671.0	0.8935	2.1011	1.9654	2.1011	106.4579	374.0000	410.1041	525.0616	410.1041	410.1041
670.5	0.8526	2.4198	2.2635	2.4198	106.6689	378.0000	409.6329	524.8784	409.6329	409.6329
670.0	0.8263	2.6499	2.4787	2.6499	110.1088	379.0000	408.8308	522.6880	408.8308	408.8308
669.5	0.7812	3.0964	2.8964	3.0964	118.3761	366.0000	408.6007	522.8914	408.6007	408.6007
669.0	0.7294	3.7037	3.4644	3.7037	116.3568	379.0000	408.2873	521.7119	408.2873	408.2873
668.5	0.6888	4.2599	3.9847	4.2599	109.4328	376.0000	408.2902	521.0169	408.2902	408.2902
668.0	0.7264	3.7412	3.4996	3.7412	101.1855	362.0000	407.7768	520.9786	407.7768	407.7768
667.5	0.7261	3.7453	3.5036	3.7453	91.7597	368.0000	408.1737	520.6658	408.1737	408.1737
667.0	0.7433	3.5300	3.3020	3.5300	90.8747	371.0000	408.5388	520.9624	408.5388	408.5388
666.5	0.7847	3.0594	2.8618	3.0594	99.2084	379.0000	408.5663	521.8203	408.5663	408.5663
666.0	0.8322	2.5961	2.4284	2.5961	107.4133	374.0000	409.1290	522.6228	409.1290	409.1290
665.5	0.9232	1.8967	1.7742	1.8967	115.7042	375.0000	409.1554	523.6063	409.1554	409.1554
665.0	0.9173	1.9355	1.8105	1.9355	107.3505	376.0000	410.0350	525.1547	410.0350	410.0350
664.5	0.9368	1.8094	1.6926	1.8094	108.5715	379.0000	410.3516	522.1267	410.3516	410.3516
664.0	0.9386	1.7984	1.6823	1.7984	107.6808	374.0000	410.3804	524.0375	410.3804	410.3804
663.5	0.9243	1.8889	1.7669	1.8889	109.0198	375.0000	410.1877	525.1594	410.1877	410.1877
663.0	0.9080	1.9988	1.8697	1.9988	108.2089	373.0000	409.1629	522.9868	409.1629	409.1629
662.5	0.8960	2.0828	1.9483	2.0828	102.1264	371.0000	408.4058	522.9830	408.4058	408.4058
662.0	0.8662	2.3090	2.1599	2.3090	106.0003	373.0000	407.6768	522.6790	407.6768	407.6768
661.5	0.8598	2.3609	2.2084	2.3609	101.6566	373.0000	407.0923	520.8353	407.0923	407.0923
661.0	0.8275	2.6393	2.4688	2.6393	105.0962	374.0000	406.8944	520.4036	406.8944	406.8944
660.5	0.7951	2.9517	2.7611	2.9517	104.6634	375.0000	406.6577	519.9541	406.6577	406.6577
660.0	0.7683	3.2374	3.0283	3.2374	112.4918	372.0000	406.3052	518.9417	406.3052	406.3052
659.5	0.7573	3.3633	3.1461	3.3633	116.9764	372.0000	405.7829	517.0593	405.7829	405.7829
659.0	0.7137	3.9093	3.6568	3.9093	119.1159	398.0000	405.8668	516.5047	405.8668	405.8668
658.5	0.6879	4.2740	3.9980	4.2740	116.0867	379.0000	405.4344	516.1305	405.4344	405.4344
658.0	0.6818	4.3654	4.0835	4.3654	114.6780	356.0000	404.9411	515.4213	404.9411	404.9411
657.5	0.6811	4.3751	4.0925	4.3751	113.4275	373.0000	404.3461	516.5424	404.3461	404.3461
657.0	0.6616	4.6795	4.3772	4.6795	120.5466	377.0000	404.8053	514.5284	404.8053	404.8053
656.5	0.6500	4.8706	4.5560	4.8706	125.2824	362.0000	404.7990	515.8923	404.7990	404.7990
656.0	0.6605	4.6974	4.3940	4.6974	139.5396	380.0000	404.5321	516.1567	404.5321	404.5321
655.5	0.7173	3.8605	3.6112	3.8605	150.0104	385.0000	404.3854	514.5903	404.3854	404.3854
655.0	0.7630	3.2972	3.0843	3.2972	143.9285	375.0000	404.6342	516.2607	404.6342	404.6342
654.5	0.7850	3.0564	2.8590	3.0564	137.8700	369.0000	404.6664	520.0309	404.6664	404.6664
654.0	0.8500	2.8520	2.6678	2.8520	123.3094	380.0000	405.0904	516.1558	405.0904	405.0904
653.5	0.8418	2.5118	2.3496	2.5118	124.9778	392.0000	405.1546	516.3252	405.1546	405.1546
653.0	0.8071	2.8317	2.6488	2.8317	117.5227	376.0000	405.3288	513.9200	405.3288	405.3288
652.5	0.7507	3.4404	3.2182	3.4404	113.1952	379.0000	405.2969	513.9449	405.2969	405.2969
652.0	0.7218	3.8014	3.5560	3.8014	110.5727	379.0000	405.3695	513.2167	405.3695	405.3695
651.5	0.4523	9.6398	9.0172	9.6398	102.1699	377.0000	412.0254	521.9331	412.0254	412.0254
651.0	0.6861	4.3010	4.0232	4.3010	97.0173	376.0000	409.1821	521.3073	409.1821	409.1821
650.5	0.6436	4.9806	4.6589	4.9806	86.6087	379.0000	408.9467	520.1674	408.9467	408.9467
650.0	0.6346	5.1377	4.8058	5.1377	86.6087	379.0000	409.1497	521.3113	409.1497	409.1497
649.5	0.6572	4.7513	4.4444	4.7513	89.1648	377.0000	409.4261	520.8207	409.4261	409.4261
649.0	0.5504	6.8721	6.4283	6.8721	101.7145	372.0000	416.5056	520.8516	416.5056	416.5056
648.5	0.6670	4.5928	4.2962	4.5928	99.3734	369.0000	404.8145	521.0867	404.8145	404.8145
648.0	0.6607	4.6945	4.3913	4.6945	96.3442	376.0000	403.9894	526.8900	403.9894	403.9894
647.5	0.6950	4.1705	3.9011	4.1705	92.0167	377.0000	404.6159	515.1965	404.6159	404.6159
647.0	0.6403	5.0364	4.7112	5.0364	92.6078	369.0000	404.7029	515.6365	404.7029	404.7029
646.5	0.6353	5.1242	4.7932	5.1242	96.0698	369.0000	403.7744	515.5118	403.7744	403.7744
646.0	0.6404	5.0348	4.7096	5.0348	92.6500	368.0000	403.2029	516.2742	403.2029	403.2029
645.5	0.5947	5.8969	5.5160	5.8969	95.2465	374.0000	403.9964	517.1115	403.9964	403.9964
645.0	0.5313	7.3398	6.8658	7.3398	101.7377	356.0000	404.6214	517.3254	404.6214	404.6214
644.5	0.4610	9.3576	8.7532	9.3576	107.7540	369.0000	405.4675	517.5707	405.4675	405.4675
644.0	0.3836	12.2215	11.4322	12.2215	110.1604	367.0000	406.0974	517.4270	406.0974	406.0974
643.5	0.3512	13.6690	12.7862	13.6690	108.4294	366.0000	406.6459	517.6074	406.6459	406.6459
643.0	0.3156	15.4568	14.4585	15.4568	111.0805	379.0000	406.3976	517.7245	406.3976	406.3976
642.5	0.3398	14.2196	13.3012	14.2196	105.6149	374.0000	406.4331	517.9701	406.4331	406.4331
642.0	0.4205	10.7587	10.0639	10.7587	105.6386	377.0000	406.2994	517.8015	406.2994	406.2994
641.5	0.5011	8.1472	7.6210	8.1472	108.1410	377.0000	406.6512	517.8380	406.6512	406.6512
641.0	0.5590	6.6703	6.2395	6.6703	111.6030	382.0000	406.4537	517.9424	406.4537	406.4537
640.5	0.5636	6.5637	6.1398	6.5637	105.5408	376.0000	406.5318	518.2239	406.5318	406.5318
640.0	0.5773	6.2613	5.8569	6.2613	100.4403	366.0000	406.6129	518.2282	406.6129	406.6129
639.5	0.5866	6.0644	5.6727	6.0644	99.3842	379.0000	406.7517	518.4794	406.7517	406.7517
639.0	0.5255	7.4870	7.0034	7.4870	108.7501	367.0000	407.0067	518.6106	407.0067	407.0067
638.5	0.4587	9.4315	8.8224	9.4315	104.8925	373.0000	407.0763	517.9836	407.0763	407.0763
638.0	0.4177	10.8656	10.1639	10.8656	109.9599	373.0000	407.1391	517.9768	407.1391	407.1391
637.5	0.4370	10.1649	9.5084	10.1649	101.2839	375.0000	407.0578	517.8391	407.0578	407.0578
637.0	0.4380	10.1305	9.4762	10.1305	99.5234	366.0000	406.3441	518.1140	406.3441	406.3441
636.5	0.4421	9.9987	9.3436	9.9987	104.6947	379.0000	405.7274	518.4557	405.7274	405.7274
636.0	0.4863	8.5734	8.0197	8.5734	106.0579	372.0000	405.3698	518.1238	405.3698	405.3698
635.5	0.5219	7.5826	7.0928	7.5826	108.2098	377.0000	405.0192	517.4026	405.0192	405.0192
635.0	0.5335	7.2839	6.8135	7.2839	102.3413	375.0000	405.1370	517.5029	405.1370	405.1370
634.5	0.5042	8.0599	7.5394	8.0599	96.2571	357.0000	405.0727	517.4025	405.0727	405.0727
634.0	0.5018	8.1277	7.6027	8.1277	92.3832	363.0000	405.1222	517.2419	405.1222	405.1222
633.5	0.5374	7.1864	6.7223	7.1864	87.0003	362.0000	404.3760	516.8083	404.3760	404.3760
633.0	0.5261	7.4717	6.9891	7.4717	95.2043	372.0000	404.9553	516.8132	404.9553	404.9553
632.5	0.4901	8.4629	7.9163	8.4629	94.5469	368.0000	404.6197	516.8246	404.6197	404.6197
632.0	0.4716	9.0183	8.4359	9.0183	100.6053	375.0000	404.2445	517.2802	404.2445	404.2445
631.5	0.4179	10.8577	10.1564	10.8577	108.8275	366.0000	404.8291	517.5275	404.8291	404.8291
631.0	0.3601	13.2547	12.3986	13.2547	125.0639	377.0000	405.1359	516.8774	405.1359	405.1359
630.5	0.3381	14.3019	13.3782	14.3019	122.0104	367.0000	405.7636	517.1800	405.7636	405.7636
630.0	0.3104	15.7380	14.7215	15.7380	112.9228	382.0000	404.9907	516.8977	404.9907	404.9907
629.5	0.3130	15.5971	14.5897	15.5971	105.5621	366.0000	405.3720	516.4644	405.3720	405.3720
629.0	0.3348	14.4684	13.5340	14.4684	113.8125	374.0000	404.7779	515.6099	404.7779	404.7779
628.5	0.3655	13.0127	12.1723	13.0127	112.2246	368.0000	403.7674	515.3826	403.7674	403.7674
628.0	0.3974	11.6560	10.9032	11.6560	118.2831	371.0000	403.1080	514.9239	403.1080	403.1080
627.5	0.4326	10.3211	9.6545	10.3211	115.2539	372.0000	402.4030	514.4316	402.4030	402.4030
627.0	0.4618	9.3307	8.7281	9.3307	118.1399	357.0000	402.4672	514.6710	402.4672	402.4672
626.5	0.5104	7.8882	7.3787	7.8882	115.1890	356.0000	402.1928	514.6945	402.1928	402.1928
626.0	0.5384	7.1626	6.7002	7.1626	109.1306	365.0000	402.4944	515.0886	402.4944	402.4944
625.5	0.5524	6.8232	6.3825	6.8232	106.1013	365.0000	403.1384	515.1529	403.1384	403.1384
625.0	0.5617	6.6084	6.1816	6.6084	102.1283	368.0000	404.0173	515.5888	404.0173	404.0173
624.5	0.5555	6.7516	6.3155	6.7516	103.8795	363.0000	405.2471	516.2613	405.2471	405.2471
624.0	0.5530	6.8106	6.3707	6.8106	105.6001	365.0000	406.3897	516.7420	406.3897	406.3897
623.5	0.5594	6.6601	6.2299	6.6601	96.6792	374.0000	406.4219	517.3115	406.4219	406.4219
623.0	0.5826	6.1487	5.7516	6.1487	92.5563	375.0000	405.8307	517.4545	405.8307	405.8307
622.5	0.6242	5.3245	4.9806	5.3245	83.9292	365.0000	404.0142	517.0796	404.0142	404.0142
622.0	0.6321	5.1819	4.8472	5.1819	82.0313	364.0000	403.3862	516.7854	403.3862	403.3862
621.5	0.6524	4.8314	4.5193	4.8314	84.4030	363.0000	403.3475	515.7389	403.3475	403.3475
621.0	0.6580	4.7389	4.4328	4.7389	86.9821	360.0000	402.7670	515.8536	402.7670	402.7670
620.5	0.6437	4.9786	4.6572	4.9786	100.4465	366.0000	403.0693	515.5433	403.0693	403.0693
620.0	0.5685	5.6216	5.2585	5.6216	109.4846	372.0000	403.5982	515.9933	403.5982	403.5982
619.5	0.5577	6.7010	6.2682	6.7010	115.5430	356.0000	403.9729	515.9790	403.9729	403.9729
619.0	0.5203	7.6224	7.1301	7.6224	113.7628	366.0000	404.5855	515.7524	404.5855	404.5855
618.5	0.4454	9.8734	9.2357	9.8734	113.3797	360.0000	405.1725	515.7540	405.1725	405.1725
618.0	0.3914	11.8991	11.1306	11.8991	112.0815	368.0000	405.2981	516.4185	405.2981	405.2981
617.5	0.3491	13.7674	12.8782	13.7674	107.7540	367.0000	405.1482	516.3938	405.1482	405.1482
617.0	0.3247	14.9807	14.0131	14.9807	107.7786	367.0000	405.2801	516.8343	405.2801	405.2801
616.5	0.2922	16.7570	15.6747	16.7570	110.7840	360.0000	405.1708	516.7681	405.1708	405.1708
616.0	0.2690	18.1575	16.9847	18.1575	119.0062	360.0000	405.2704	516.6387	405.2704	405.2704
615.5	0.2864	17.0982	15.9939	17.0982	115.0869	369.0000	404.9394	516.8128	404.9394	404.9394
615.0	0.3199	15.2282	14.2446	15.2282	123.3907	366.0000	404.2729	516.4372	404.2729	404.2729
614.5	0.3422	14.1002	13.1895	14.1002	116.0127	364.0000	403.9757	516.3187	403.9757	403.9757
614.0	0.3610	13.2139	12.3604	13.2139	116.0127	371.0000	404.1122	516.1049	404.1122	404.1122
613.5	0.3490	13.7707	12.8832	13.7707	101.6742	362.0000	404.2791	515.8037	404.2791	404.2791
613.0	0.3545	13.5131	12.6403	13.5131	105.6379	365.0000	404.2706	515.1026	404.2706	404.2706
612.5	0.3802	12.3675	11.5688	12.3675	108.6191	363.0000	404.0182	515.2760	404.0182	404.0182
612.0	0.4447	9.8978	9.2585	9.8978	108.6391	367.0000	403.3964	515.1665	403.3964	403.3964
611.5	0.5054	8.0264	7.5080	8.0264	102.1003

585.5	0.1773	24.9193	23.3099	24.9193	102.1040	356.0000	406.2503	518.7457	406.2503	406.2503
585.0	0.1873	24.0728	22.5180	24.0728	106.9096	355.0000	405.6841	518.7027	405.6841	405.6841
584.5	0.2047	22.6694	21.2056	22.6694	108.1575	355.0000	405.3778	518.9664	405.3778	405.3778
584.0	0.2604	18.7066	17.4983	18.7066	110.3737	352.0000	404.8312	518.7621	404.8312	404.8312
583.5	0.3361	14.4028	13.4726	14.4028	99.9878	355.0000	405.3458	518.4006	405.3458	405.3458
583.0	0.3862	12.1127	11.3303	12.1127	108.6173	355.0000	405.3198	517.5648	405.3198	405.3198
582.5	0.4473	9.8083	9.1748	9.8083	114.6796	354.0000	405.0353	516.4427	405.0353	405.0353
582.0	0.4955	8.3051	7.7687	8.3051	124.2000	344.0000	404.0858	516.4465	404.0858	404.0858
581.5	0.5450	7.0012	6.5490	7.0012	117.3436	352.0000	403.9451	515.3291	403.9451	403.9451
581.0	0.5547	6.7701	6.3329	6.7701	109.0507	356.0000	403.7431	514.4570	403.7431	403.7431
580.5	0.5743	6.3257	5.9172	6.3257	97.3665	349.0000	402.1076	513.4362	402.1076	402.1076
580.0	0.5455	6.9886	6.5372	6.9886	98.6226	355.0000	401.4958	513.4495	401.4958	401.4958
579.5	0.5058	8.0138	7.4962	8.0138	106.9426	348.0000	401.0329	512.9824	401.0329	401.0329
579.0	0.5173	7.7029	7.2054	7.7029	114.5867	354.0000	401.1926	512.3513	401.1926	401.1926
578.5	0.5308	7.3509	6.8761	7.3509	116.8737	356.0000	401.1931	512.7104	401.1931	401.1931
578.0	0.5356	7.2320	6.7649	7.2320	100.3752	352.0000	401.3146	511.8790	401.3146	401.3146
577.5	0.5924	5.9442	5.5603	5.9442	102.1515	351.0000	402.0344	512.6818	402.0344	402.0344
577.0	0.6275	5.2655	4.9254	5.2655	96.9353	354.0000	401.1470	511.0965	401.1470	401.1470
576.5	0.6325	5.1750	4.8408	5.1750	106.4557	352.0000	401.6721	511.8729	401.6721	401.6721
576.0	0.6730	4.4992	4.2086	4.4992	103.4484	354.0000	401.3380	511.3321	401.3380	401.3380
575.5	0.7207	3.8156	3.5691	3.8156	108.9634	350.0000	401.3127	511.3430	401.3127	401.3127
575.0	0.7260	3.7466	3.5046	3.7466	107.2324	358.0000	401.5930	514.5368	401.5930	401.5930
574.5	0.6987	4.1169	3.8510	4.1169	106.7778	349.0000	402.4536	514.3297	402.4536	402.4536
574.0	0.6072	5.6466	5.2817	5.6466	104.0024	352.0000	403.8254	515.0759	403.8254	403.8254
573.5	0.5465	6.9631	6.5133	6.9631	102.1477	347.0000	404.4413	515.4399	404.4413	404.4413
573.0	0.4686	9.1131	8.5245	9.1131	109.5044	354.0000	404.7661	516.2812	404.7661	404.7661
572.5	0.4316	10.3143	9.6856	10.3143	112.3905	355.0000	405.5279	516.4967	405.5279	405.5279
572.0	0.3918	11.8831	11.1156	11.8831	115.1670	346.0000	405.6024	516.5583	405.6024	405.6024
571.5	0.3815	12.3106	11.5155	12.3106	107.1935	362.0000	405.0057	515.9891	405.0057	405.0057
571.0	0.3581	13.3468	12.4848	13.3468	98.0702	356.0000	405.0608	515.9216	405.0608	405.0608
570.5	0.3452	13.4824	12.6116	13.4824	101.0431	339.0000	404.8761	515.7018	404.8761	404.8761
570.0	0.4267	10.5328	9.8525	10.5328	100.2048	343.0000	404.9149	515.8650	404.9149	404.9149
569.5	0.4529	9.6200	8.9987	9.6200	105.8875	365.0000	404.1172	516.0874	404.1172	404.1172
569.0	0.4770	9.0377	8.4540	9.0377	100.8985	352.0000	404.3640	515.8050	404.3640	404.3640
568.5	0.4612	9.3497	8.7459	9.3497	102.0973	341.0000	404.3806	518.8157	404.3806	404.3806
568.0	0.4570	9.4853	8.8726	9.4853	97.7484	350.0000	404.4783	518.9027	404.4783	404.4783
567.5	0.2997	16.3283	15.2737	16.3283	97.4066	355.0000	408.3560	518.9174	408.3560	408.3560
567.0	0.6004	5.6677	5.2977	5.6635	88.5594	349.0000	408.5109	519.5734	408.5109	408.5109
566.5	0.5124	7.8356	7.3296	7.8356	83.0739	346.0000	409.4032	519.2493	409.4032	409.4032
566.0	0.4656	9.2094	8.6146	9.2094	78.4514	355.0000	408.6684	519.4880	408.6684	408.6684
565.5	0.4326	10.1214	9.4648	10.1214	88.4427	358.0000	408.5526	519.5632	408.5526	408.5526
565.0	0.4750	8.9139	8.3382	8.9139	90.4254	354.0000	408.1282	519.2960	408.1282	408.1282
564.5	0.1495	27.4325	25.6607	27.4325	88.2617	343.0000	408.9298	519.4948	408.9298	408.9298
564.0	0.3752	12.5844	11.7716	12.5844	86.6984	356.0000	402.9943	519.1857	402.9943	402.9943
563.5	0.3804	12.3602	11.5619	12.3602	91.9520	354.0000	403.1631	520.1379	403.1631	403.1631
563.0	0.4297	10.4233	9.7501	10.4233	87.1439	352.0000	403.0739	514.0801	403.0739	403.0739
562.5	0.4981	8.2300	7.6984	8.2300	73.5545	350.0000	402.5973	514.5224	402.5973	402.5973
562.0	0.6015	5.7595	5.3875	5.7595	67.0592	343.0000	401.2894	513.8617	401.2894	401.2894
561.5	0.6589	4.7244	4.4192	4.7244	71.4271	348.0000	401.3690	513.4626	401.3690	401.3690
561.0	0.6924	4.2072	3.9354	4.2072	84.0022	346.0000	401.0144	513.4626	401.0144	401.0144
560.5	0.7264	3.7420	3.5003	3.7420	86.8252	349.0000	400.6282	512.6537	400.6282	400.6282
560.0	0.7394	3.5757	3.3462	3.5772	84.6689	358.0000	399.8571	514.2259	399.8571	399.8571
559.5	0.7028	4.0589	3.7968	4.0589	77.3118	344.0000	400.4727	514.8383	400.4727	400.4727
559.0	0.6290	5.2380	4.8997	5.2380	71.8767	343.0000	402.2667	515.2468	402.2667	402.2667
558.5	0.5656	6.5202	6.0991	6.5202	70.0521	342.0000	402.6440	515.6321	402.6440	402.6440
558.0	0.5108	7.8786	7.3697	7.8786	68.2805	351.0000	403.5750	515.2150	403.5750	403.5750
557.5	0.4576	9.4663	8.8549	9.4663	67.3422	348.0000	404.3671	514.3463	404.3671	404.3671
557.0	0.4470	9.8201	9.1858	9.8201	70.8977	346.0000	403.9868	514.1332	403.9868	403.9868
556.5	0.4517	9.6614	9.0374	9.6614	76.1088	350.0000	403.3397	513.2191	403.3397	403.3397
556.0	0.4659	9.1987	8.6046	9.1987	88.8878	349.0000	402.4683	513.6251	402.4683	402.4683
555.5	0.4710	9.0370	8.4533	9.0370	89.3205	354.0000	402.4330	513.2880	402.4330	402.4330
555.0	0.4830	8.6725	8.1124	8.6725	90.2764	346.0000	402.2870	512.9271	402.2870	402.2870
554.5	0.5019	8.1238	7.5991	8.1238	81.0636	346.0000	402.3093	512.8715	402.3093	402.3093
554.0	0.5338	7.2769	6.8069	7.2769	81.0411	348.0000	402.3900	512.9885	402.3900	402.3900
553.5	0.5618	6.6053	6.1787	6.6053	84.8274	348.0000	402.5831	513.5141	402.5831	402.5831
553.0	0.5864	6.0685	5.6766	6.0685	88.0664	343.0000	403.0631	513.6460	403.0631	403.0631
552.5	0.5821	6.1576	5.7599	6.1576	95.8994	348.0000	403.2701	513.9755	403.2701	403.2701
552.0	0.5370	7.1952	6.7305	7.1952	90.4822	350.0000	403.6399	514.2893	403.6399	403.6399
551.5	0.5012	8.1426	7.6167	8.1426	94.1557	348.0000	403.6514	514.7004	403.6514	403.6514
551.0	0.4539	9.5874	8.9681	9.5874	81.1522	347.0000	403.8994	515.3116	403.8994	403.8994
550.5	0.4096	11.1748	10.4531	11.1748	78.3879	342.0000	404.1924	515.4211	404.1924	404.1924
550.0	0.3283	14.7930	13.8401	14.7930	71.8607	342.0000	404.6726	515.8404	404.6726	404.6726
549.5	0.2802	17.4660	16.3379	17.4660	77.8603	343.0000	404.9643	516.5997	404.9643	404.9643
549.0	0.2390	20.1420	18.8411	20.1420	84.2535	339.0000	405.2652	517.6149	405.2652	405.2652
548.5	0.1908	23.7823	22.2462	23.7823	84.2694	341.0000	405.8713	518.0128	405.8713	405.8713
548.0	0.1637	26.1157	24.4290	26.1157	84.6533	347.0000	406.2997	518.4512	406.2997	406.2997
547.5	0.1418	28.1696	26.3502	28.1696	73.0266	343.0000	406.6473	518.9548	406.6473	406.6473
547.0	0.1603	26.4285	24.7216	26.4285	75.0651	344.0000	406.4634	519.3357	406.4634	406.4634
546.5	0.1711	25.4605	23.8161	25.4605	70.8453	347.0000	406.4806	519.1450	406.4806	406.4806
546.0	0.2035	22.7651	21.2948	22.7651	76.0383	337.0000	406.4596	518.4958	406.4596	406.4596
545.5	0.2291	20.8361	19.4904	20.8361	75.2391	351.0000	406.1586	517.5762	406.1586	406.1586
545.0	0.2751	17.7773	16.6291	17.7773	74.3874	347.0000	405.4723	517.2426	405.4723	405.4723
544.5	0.3242	15.0054	14.0371	15.0054	71.6179	346.0000	404.7668	516.3499	404.7668	404.7668
544.0	0.4006	11.5250	10.7806	11.5250	70.1785	341.0000	404.1936	515.6514	404.1936	404.1936
543.5	0.4543	9.5757	8.9572	9.5757	71.8695	354.0000	403.2194	514.7573	403.2194	403.2194
543.0	0.5169	7.7137	7.2155	7.7137	69.4852	350.0000	402.5510	514.0889	402.5510	402.5510
542.5	0.5997	5.7946	5.4203	5.7946	72.9472	347.0000	401.7018	513.1293	401.7018	401.7018
542.0	0.6505	4.8627	4.5487	4.8627	75.7290	355.0000	400.9377	512.9583	400.9377	400.9377
541.5	0.6715	4.5232	4.2311	4.5232	82.1978	356.0000	401.3721	511.9600	401.3721	401.3721
541.0	0.6893	4.2530	3.9783	4.2530	78.7518	341.0000	400.9030	511.9354	400.9030	400.9030
540.5	0.6773	4.4325	4.1462	4.4325	85.2633	349.0000	400.7228	512.1520	400.7228	400.7228
540.0	0.6290	5.2373	4.8990	5.2373	87.1856	341.0000	401.3354	512.3420	401.3354	401.3354
539.5	0.5694	6.4349	6.0193	6.4349	92.4048	341.0000	402.3720	512.8821	402.3720	402.3720
539.0	0.5263	7.4667	6.9844	7.4667	88.9817	343.0000	402.1632	513.6039	402.1632	402.1632
538.5	0.4837	8.6495	8.0909	8.6495	86.5539	339.0000	402.7804	514.3208	402.7804	402.7804
538.0	0.4279	10.4891	9.8116	10.4891	87.8300	334.0000	403.1887	514.6207	403.1887	403.1887
537.5	0.3955	11.7995	10.9717	11.7993	89.5336	349.0000	403.7678	515.3180	403.7678	403.7678
537.0	0.3540	13.5387	12.6643	13.5387	96.1220	346.0000	404.0540	516.0345	404.0540	404.0540
536.5	0.3177	15.3454	14.3542	15.3454	87.4179	340.0000	404.4563	516.4461	404.4563	404.4563
536.0	0.2802	17.4484	16.3398	17.4484	81.0427	332.0000	405.1643	516.1844	405.1643	405.1643
535.5	0.2570	18.9238	17.7015	18.9238	72.7794	341.0000	404.8914	515.8879	404.8914	404.8914
535.0	0.2793	17.5221	16.3904	17.5221	73.4423	344.0000	404.3158	516.1765	404.3158	404.3158
534.5	0.3180	15.3280	14.3380	15.3280	76.7622	338.0000	403.8372	515.7624	403.8372	403.8372
534.0	0.3603	13.2472	12.3916	13.2472	78.4674	346.0000	403.3609	515.8316	403.3609	403.3609
533.5	0.4037	11.4028	10.6663	11.4028	85.1904	341.0000	403.0253	515.2799	403.0253	403.0253
533.0	0.4463	9.8449	9.2091	9.8449	91.0607	342.0000	403.0699	514.6377	403.0699	403.0699
532.5	0.5012	8.1421	7.6162	8.1421	94.5483	340.0000	402.5235	514.6903	402.5235	402.5235
532.0	0.5229	7.5542	7.0663	7.5542	95.7708	337.0000	401.7557	514.4294	401.7557	401.7557
531.5	0.4762	8.8776	8.3042	8.8776	94.7163	350.0000	402.2636	515.0062	402.2636	402.2636
531.0	0.4299	10.4155	9.7427	10.4155	92.4115	342.0000	402.7898	514.2568	402.7898	402.7898
530.5	0.3498	13.1754	12.8483	13.7554	84.2651	336.0000	404.1889	515.5168	404.1889	404.1889
530.0	0.3129	15.6033	14.5956	15.6033	73.3324	337.0000	403.8404	516.8388	403.8404	403.8404
529.5	0.2280	20.9219	19.5706	20.9219	62.2220	333.0000	405.6665	517.7591	405.6665	405.6665
529.0	0.1604	26.4137	24.7096	26.4137	56.0022	339.0000	406.7124	518.9426	406.7124	406.7124
528.5	0.1239	29.9673	28.0317	29.9673	50.9028	333.0000	407.6408	519.8590	407.6408	407.6408
528.0	0.0987	32.6896	30.5782	32.6896	51.6302	331.0000	407.9875	520.9121	407.9875	407.9875
527.5	0.1278	29.5709	27.6610	29.5709	55.6998	346.0000	407.7237	521.4709	407.7237	407.7237
527.0	0.1242	29.8411	27.9325	29.8411	61.1859	338.0000	408.2397	521.5229	408.2397	408.2397
526.5	0.1166	30.7369	28.7517	30.7369	67.3825	333.0000	408.3734	521.2380	408.3734	408.3734
526.0	0.1015	32.3785	30.2872	32.3785	69.3604	346.0000	408.3608	521.2360	408.3608	408.3608
525.5	0.1063	31.8402	29.7838	31.8402	62.0988	340.0000	408.2630	521.3419	408.2630	408.2630
525.0	0.0878	33.9493	31.7566	33.9493	57.8990	327.0000	408.5788	521.6821	408.5788	408.5788
524.5	0.0848	34.3806	36.8371	39.3806	58.1252	342.0000	409.1968	521.6828	409.1968	409.1968
524.0	0.0196	42.9601	40.1854	42.9601	69.3671	333.0000	409.3974	523.5605	409.3974	409.3974
523.5	0.0265	41.9431	39.2341	41.9431	70.5887	332.0000	409.3142	522.8091	409.3142	409.3142
523.0	0.0376	40.3666	37.7594	40.3666	70.1413	339.0000	409.0144	532.5574	409.0144	409.0144
522.5	0.1070	31.7654	29.7137	31.7654	67.7182	332.0000	409.8132	525.7488	409.8132	409.8132
522.0	0.0000	55.2751	51.7035	55.2751	68.9655	338.0000	419.7712	525.2418	419.7712	419.7712
521.5	0.2136	21.9837	20.5638	21.9837	65.2022	340.0000	413.0294	524.5366	413.0294	413.0294
521.0	0.2315	20.6643	19.3297	20.6643	63.7025	329.0000	412.6435	523.8712	412.6435	412.6435
520.5	0.2403	19.9910	18.6241	19.9910	70.0353	339.0000	412.1021	523.5070	412.1021	412.1021
520.0	0.2635	18.5053	17.3101	18.5053	72.0823	338.0000	411.4006	523.5103	411.4006	411.4006
519.5	0.0598	37.3870	34.9723	37.3870	71.9966	344.0000	415.8273	523.1015	415.8273	415.8273
519.0	0.1259	29.7584	27.8364	29.7584	70.8400	343.0000	408.0234	522.0197	408.0234	408.0234
518.5	0.2451	19.7191	18.4455	19.7191	72.3779	333.0000	405.5105	520.1271	405.5105	405.5105
518.0	0.3571	13.3945	12.5294	13.3945	71.1935	338.0000	404.3346	517.9651	404.3346	404.3346
517.5	0.4811	8.7273	8.1636	8.7273	66.7560	342.0000	403.3904	515.4611	403.3904	403.3904
517.0	0.6424	5.0001	4.6772	5.0001	66.0836	335.0000	402.3900	515.0039	402.3900	402.3900
516.5	0.7407	3.5613	3.3313	3.5613	66.0836	337.0000	401.4554	514.3953	401.4554	401.4554
516.0	0.8477	2.4612	2.3022	2.4612	67.6819	340.0000	400.9369	514.1375	400.9369	400.9369
515.5	0.9397	1.7912	1.6755	1.7912	74.6058	337.0000	401.0435	514.6193	401.0435	401.0435
515.0	0.9435	1.7677	1.6535	1.7677	85.7667	339.0000	402.5132	515.4831	402.5132	402.5132
514.5	0.9209	1.9116	1.7881	1.9116	92.5173	341.0000	404.0062	517.3966	404.0062	404.0062
514.0	0.9585	1.6788	1.5704	1.6788	90.2615	340.0000	403.5160	520.5858	403.5160	403.5160
513.5	0.9567	1.6891	1.5800	1.6891	80.3989	334.0000	405.0002	519.7115	405.0002	405.0002
513.0	0.9757	1.5818	1.4796	1.5818	74.4332	342.0000	405.3143	520.1974	405.3143	405.3143
512.5	0.9854	1.5298	1.4310	1.5298	72.7942	340.0000	405.1959	521.2990	405.1959	405.1959
512.0	0.9833	1.5411	1.4416	1.5411	80.6765	336.0000	404.6764	519.8911	404.6764	404.6764
511.5	1.0000	1.4063	1.3155	1.4063	90.0829	342.0000	404.6594	520.0746	404.6594	404.6594
511.0	1.0000	1.2999	1.2159	1.2999	98.7591	338.0000	403.4143	519.0701	403.4143	403.4143
510.5	1.0000	1.3719	1.2833	1.3719	109.1071	338.0000	403.0101	518.7195	403.0101	403.0101
510.0	1.0000	1.4063	1.3154	1.4063	107.7253	336.0000	402.9471	517.7770	402.9471	402.9471
509.5	0.9919	1.4956	1.3990	1.4956	106.8177	331.0000	402.2514	516.4560	402.2514	402.2514
509.0	0.9428	1.7723	1.6578	1.7723	98.8497	329.0000	402.2240	515.9652	402.2240	402.2240
508.5	0.9145	1.9540	1.8278	1.9540	98.9545	343.0000	402.2697	514.8574	402.2697	402.2697
508.0	0.8790	2.2093	2.0664	2.2091	96.8505	338.0000	401.7673	514.1649	401.7673	401.7673
507.5	0.8573	2.3807	2.2269	2.3807	88.8305	342.0000	401.9770	513.1017	401.9770	401.9770
507.0	0.8363	2.5596	2.3943	2.5596	84.9358	348.0000	401.7975	513.6508	401.7975	401.7975
506.5	0.8032	2.8701	2.6847	2.8701	86.6279	343.0000	402.5539	513.4131	402.5539	402.5539
506.0	0.7664	3.2584	3.0479	3.2584	92.6677	336.0000	403.1805	513.7517	403.1805	403.1805
505.5	0.7185	3.8447	3.5964	3.8447	94.8120	339.0000	404.4259	514.4357	404.4259	404.4259
505.0	0.6658	4.6126	4.3147	4.6126	100.6819	336.0000	405.5206	515.5206	405.5206	405.5206
504.5	0.6329	5.1673	4.8335	5.1673	103.6513	342.0000	405.8888	515.8088	405.8888	405.8888
504.0	0.6097	5.5993	5.2377	5.5993	105.6584	335.0000	406.5858	515.7879	406.5858	406.5858
503.5	0.5826	6.1477	5.7507	6.1477	96.7593	333.0000	406.6169	516.5421	406.6169	406.6169
503.0	0.5667	6.4946	6.0751	6.4946	99.7658	333.0000	405.6717	516.0136	405.6717	405.6717
502.5	0.5806	6.1904	5.7906	6.1904	103.8598	337.0000	405.3284	516.1822	405.3284	405.3284
502.0	0.6036	5.7188	5.3494	5.7188	105.5711	319.0000	404.2468	516.5991	404.2468	404.2468
501.5	0.5974	5.844	5.4641	5.8414	102.3745	330.0000	404.1086	516.1654	404.1086	404.1086
501.0	0.5729	6.3572	5.9466	6.3572	99.8979	334.0000	404.5728	516.0983	404.5728	404.5728
500.5	0.5318	7.3262	6.8531	7.3262	95.6072	336.0000	404.7603	515.5720	404.7603	404.7603
500.0	0.4787	8.8027	8.2341	8.8027	95.5879	336.0000	405.0594	515.3546	405.0594	405.0594
499.5	0.4538	9.593	8.9773	9.5929	94.1465	332.0000	404.7505	515.2133	404.7505	404.7505
499.0	0.4071	11.2712	10.5432	11.2712	97.1587	332.0000	404.6869	515.5502	404.6869	404.6869
498.5	0.3932	11.8234	11.0598	11.8234	91.9999	340.0000	404.7505	515.4677	404.7505	404.7505
498.0	0.3702	12.8035	11.9765	12.8035	95.0064	332.0000	405.0816	515.3864	405.0816	405.0816
497.5	0.4158	10.9380	10.2316	10.9380	95.8809	330.0000	404.4429	515.2964	404.4429	404.4429
497.0	0.4797	8.7716	8.2051	8.7716	99.5181	339.0000	403.3150	515.1767	403.3150	403.3150
496.5	0.5098	7.9060	7.3954	7.9060	93.9535	332.0000	402.9909	514.6149	402.9909	402.9909
496.0	0.5502	6.8760	6.4319	6.8760	99.1061	326.0000	402.6652	513.4416	402.6652	402.6652
495.5	0.5924	5.9434	5.5596	5.9434	101.8257	326.0000	402.5789	513.1065	402.5789	402.5789
495.0	0.6470	4.9213	4.6034	4.9213	108.7112	338.0000	402.2145	513.1907	402.2145	402.2145
494.5	0.7085	3.9803	3.7232	3.9803	105.5948	331.0000	401.9774	513.0123	401.9774	401.9774
494.0	0.7445	3.5146	3.2876	3.5146	105.8607	327.0000	402.2842	512.0873	402.2842	402.2842
493.5	0.7744	3.1704	2.9656	3.1704	103.7738	333.0000	401.7993	511.6884	401.7993	401.7993
493.0	0.8053	2.8489	2.6649	2.8489	104.7579	337.0000	401.4946	511.5450	401.4946	401.4946
492.5	0.8143	2.7624	2.5840	2.7624	98.5516	332.0000	401.3581	512.5841	401.3581	401.3581
492.0	0.8090	2.8135	2.6318	2.8135	99.2949	329.0000	401.0332	511.4383	401.0332	401.0332
491.5	0.8117	2.7869	2.6069	2.7869	98.4294	329.0000	400.7143	510.8221	400.7143	400.7143
491.0	0.7952	2.9553	2.7599	2.9553	106.7873	336.0000	400.5579	510.8925	400.5579	400.5579
490.5	0.7791	3.1187	2.9172	3.1187	102.9379	333.0000	400.9289	510.5400	400.9289	400.9289
490.0	0.7901	3.0026	2.8087	3.0026	100.3659	332.0000	400.8951	510.8849	400.8951	400.8951
489.5	0.7920	2.9835	2.7908	2.9835	99.0837	341.0000	400.8495	511.1288	400.8495	400.8495
489.0	0.7843	3.0635	2.8656	3.0635	101.7601	335.0000	401.1783	511.1370	401.1783	401.1783
488.5	0.7751	3.1629	2.9586	3.1629	104.3529	338.0000	401.1495	512.7460	401.1495	401.1495
488.0	0.7630	3.2973	3.0843	3.2973	103.2275	342.0000	401.4942	511.3864	401.4942	401.4942
487.5	0.7774	3.1370	2.9343	3.1370	98.4685	334.0000	401.5543	511.8630	401.5543	401.5543
487.0	0.8071	2.8316	2.6487	2.8316	98.6904	334.0000	401.4763	510.7279	401.4763	401.4763
486.5	0.8202	2.7065	2.5317	2.7065	102.3734	334.0000	401.5761	513.0051	401.5761	401.5761
486.0	0.8304	2.6128	2.4440	2.6128	95.8782	333.0000	401.6287	513.2446	401.6287	401.6287
485.5	0.8507	2.4562	2.2787	2.4360	96.2582	337.0000	402.1713	512.8168	402.1713	402.1713
485.0	0.8566	2.3865	2.2324	2.3865	99.4050	330.0000	403.0985	514.4111	403.0985	403.0985
484.5	0.8812	2.1924	2.0508	2.1924	97.6378	322.0000	402.6052	513.9766	402.6052	402.6052
484.0	0.8521	2.4239	2.2674	2.4239	94.4608	327.0000	403.3822	513.4513	403.3822	403.3822
483.5	0.8150	2.7554	2.5775	2.7554	93.4979	337

457.5	0.6977	4.1315	3.8647	4.1315	98.4084	329.0000	403.4388	513.6045	403.4388	403.4388
457.0	0.7225	3.7933	3.5481	3.7931	93.7235	330.0000	403.2972	514.4638	403.2972	403.2972
456.5	0.7484	3.0966	2.8685	3.0666	93.5487	326.0000	402.0587	514.4662	402.0587	402.0587
456.0	0.7887	3.0170	2.8222	3.0170	88.1310	325.0000	402.0236	514.0700	402.0236	402.0236
455.5	0.7858	3.0481	2.8512	3.0481	91.9504	323.0000	402.0419	513.5733	402.0419	402.0419
455.0	0.7476	3.4781	3.2534	3.4781	92.1084	332.0000	402.8698	514.3222	402.8698	402.8698
454.5	0.6960	4.1561	3.8877	4.1561	100.9881	333.0000	402.9594	515.0200	402.9594	402.9594
454.0	0.6383	5.0727	4.7451	5.0727	105.9819	323.0000	403.4710	516.3446	403.4710	403.4710
453.5	0.5375	7.1848	6.7207	7.1848	118.3476	331.0000	404.8083	516.3397	404.8083	404.8083
453.0	0.4654	9.2118	8.6188	9.2118	115.8611	331.0000	405.3541	516.8897	405.3541	405.3541
452.5	0.4361	10.1959	9.5373	10.1959	118.2240	330.0000	406.0062	518.3714	406.0062	406.0062
452.0	0.4179	10.8557	10.1545	10.8557	110.2898	326.0000	405.9436	518.5463	405.9436	405.9436
451.5	0.4189	10.8216	10.1227	10.8216	111.8878	325.0000	406.5490	519.6440	406.5490	406.5490
451.0	0.4130	11.0440	10.3307	11.0440	113.0739	326.0000	406.0641	519.8228	406.0641	406.0641
450.5	0.3972	11.6606	10.9074	11.6606	122.7650	325.0000	405.6556	519.9306	405.6556	405.6556
450.0	0.3799	12.3817	11.5820	12.3817	120.3876	319.0000	405.4687	519.7811	405.4687	405.4687
449.5	0.3445	13.9984	13.0849	13.9983	108.1637	329.0000	405.2765	519.6506	405.2765	405.2765
449.0	0.2837	17.2586	16.1439	17.2586	100.2515	329.0000	405.5898	519.4111	405.5898	405.5898
448.5	0.2465	19.6241	18.3567	19.6241	95.2952	326.0000	405.7301	519.0098	405.7301	405.7301
448.0	0.2024	22.8492	21.3734	22.8491	95.7860	322.0000	405.9753	518.9353	405.9753	405.9753
447.5	0.1545	26.9612	25.2198	26.9612	96.3865	326.0000	406.5313	519.2275	406.5313	406.5313
447.0	0.1262	29.7305	27.8103	29.7305	80.6084	323.0000	407.1394	519.5497	407.1394	407.1394
446.5	0.1126	31.1624	29.1497	31.1624	76.1831	317.0000	407.2552	520.1685	407.2552	407.2552
446.0	0.1142	30.9899	28.9884	30.9899	78.7352	321.0000	407.2486	520.5029	407.2486	407.2486
445.5	0.1044	32.0519	29.9818	32.0519	85.1816	325.0000	407.2008	520.4862	407.2008	407.2008
445.0	0.0953	33.0779	30.9415	33.0779	77.8959	321.0000	407.3259	520.7122	407.3259	407.3259
444.5	0.0966	32.9924	30.7984	32.9924	76.1567	330.0000	407.1895	520.7924	407.1895	407.1895
444.0	0.1073	31.7327	29.6831	31.7327	67.5748	319.0000	407.4681	520.6876	407.4681	407.4681
443.5	0.1131	31.1056	29.0965	31.1056	82.8119	322.0000	407.4848	520.5324	407.4848	407.4848
443.0	0.1114	31.2940	29.2728	31.2940	94.4701	316.0000	407.1836	520.5189	407.1836	407.1836
442.5	0.1180	30.5865	28.6110	30.5865	109.0995	325.0000	406.9249	520.7571	406.9249	406.9249
442.0	0.1280	29.5450	27.6368	29.5450	106.0066	318.0000	406.8634	521.1644	406.8634	406.8634
441.5	0.1240	29.9606	28.0256	29.9606	98.7239	316.0000	407.1905	521.0912	407.1905	407.1905
441.0	0.1311	29.2362	27.3460	29.2342	93.5868	315.0000	407.6827	521.0175	407.6827	407.6827
440.5	0.1338	28.9612	27.0906	28.9612	92.7063	318.0000	407.7082	521.3322	407.7082	407.7082
440.0	0.1496	27.4184	25.6475	27.4184	97.8691	324.0000	407.8028	521.6058	407.8028	407.8028
439.5	0.1385	28.4901	26.6500	28.4901	93.3846	324.0000	408.2741	521.6755	408.2741	408.2741
439.0	0.1295	29.3941	27.4978	29.3941	98.9859	317.0000	408.7430	521.8501	408.7430	408.7430
438.5	0.1244	29.9200	27.9875	29.9200	95.4801	319.0000	408.6729	522.1454	408.6729	408.6729
438.0	0.1422	28.1302	26.3134	28.1302	98.7262	321.0000	408.4117	522.1687	408.4117	408.4117
437.5	0.1377	28.5835	26.7393	28.5836	90.4865	315.0000	408.5773	521.8871	408.5773	408.5773
437.0	0.1190	30.4763	28.5079	30.4763	95.6567	325.0000	408.7854	521.3480	408.7854	408.7854
436.5	0.1235	30.0086	28.0704	30.0086	100.7898	316.0000	408.5049	520.6979	408.5049	408.5049
436.0	0.1550	27.3852	25.6164	27.3852	105.4438	327.0000	408.2685	519.7386	408.2685	408.2685
435.5	0.2076	22.4427	20.9932	22.4427	101.1391	333.0000	407.7858	518.8611	407.7858	407.7858
435.0	0.2988	16.3829	15.3247	16.3829	101.9819	319.0000	406.6330	519.1757	406.6330	406.6330
434.5	0.3470	13.8699	12.9741	13.8699	105.1348	323.0000	405.9582	519.3506	405.9582	405.9582
434.0	0.3385	14.2822	13.3597	14.2822	108.2409	331.0000	406.6341	519.1568	406.6341	406.6341
433.5	0.3421	14.1058	13.1948	14.1058	110.4273	317.0000	406.7665	518.6637	406.7665	406.7665
433.0	0.3268	14.8703	13.9098	14.8703	108.2636	318.0000	407.1102	520.5635	407.1102	407.1102
432.5	0.2967	16.4994	15.4338	16.4994	104.2678	324.0000	407.1573	529.9328	407.1573	407.1573
432.0	0.2960	16.5351	15.4701	16.5351	99.5076	329.0000	409.6099	523.8184	409.6099	409.6099
431.5	0.0664	36.5505	34.1898	36.5505	90.9265	325.0000	419.7301	524.1337	419.7301	419.7301
431.0	0.2604	18.7035	17.4955	18.7035	89.2197	321.0000	413.3509	524.7320	413.3509	413.3509
430.5	0.2433	19.8042	18.5658	19.8424	82.9868	315.0000	413.3059	525.2551	413.3059	413.3059
430.0	0.2323	20.6103	19.2791	20.6103	92.8880	326.0000	413.2568	525.0640	413.2568	413.2568
429.5	0.2393	20.1156	18.8164	20.1156	100.2103	315.0000	413.2089	524.9394	413.2089	413.2089
429.0	0.0000	55.7852	52.1821	55.7852	108.5616	319.0000	415.0240	524.7314	415.0240	415.0240
428.5	0.0758	35.3805	33.0954	35.3805	104.6645	323.0000	409.6902	524.5202	409.6902	409.6902
428.0	0.1056	31.9266	29.8645	31.9266	105.8418	319.0000	408.1433	526.1364	408.1433	408.1433
427.5	0.1220	30.1680	28.2195	30.1680	108.4836	317.0000	407.8892	521.3003	407.8892	407.8892
427.0	0.1367	28.6748	26.8227	28.6748	107.2571	321.0000	407.9087	521.4792	407.9087	407.9087
426.5	0.1792	24.7621	23.1628	24.7621	98.3432	318.0000	407.7465	518.5314	407.7465	407.7465
426.0	0.2590	18.7940	17.5801	18.7940	95.7362	317.0000	408.0642	518.0642	408.0642	408.0642
425.5	0.3459	13.9241	13.0248	13.9241	103.4560	319.0000	408.5867	518.8463	408.5867	408.5867
425.0	0.4020	11.4699	10.7291	11.4699	106.7590	324.0000	405.2627	518.3838	405.2627	405.2627
424.5	0.3898	11.9625	11.1899	11.9625	102.8747	322.0000	405.8372	518.0383	405.8372	405.8372
424.0	0.4044	11.3748	10.6402	11.3748	99.3892	323.0000	405.3905	518.3804	405.3905	405.3905
423.5	0.4182	10.9854	10.1454	10.8459	109.8213	308.0000	404.7842	518.6439	404.7842	404.7842
423.0	0.3922	11.8671	11.1006	11.8671	108.9367	318.0000	405.0922	517.5732	405.0922	405.0922
422.5	0.3457	13.9323	13.0324	13.9323	103.5190	318.0000	406.3853	517.7325	406.3853	406.3853
422.0	0.3261	14.9508	13.9440	14.9508	93.2289	315.0000	405.4820	517.8750	405.4820	405.4820
421.5	0.2969	16.4890	15.4240	16.4890	90.8438	309.0000	405.2648	519.4083	405.2648	405.2648
421.0	0.2795	17.5115	16.3805	17.5115	90.6180	311.0000	405.3899	519.7987	405.3899	405.3899
420.5	0.2551	19.0493	17.8190	19.0493	89.2774	317.0000	406.0417	519.7333	406.0417	406.0417
420.0	0.2312	20.6867	19.3524	20.6867	91.2494	322.0000	406.3315	519.7784	406.3315	406.3315
419.5	0.2106	22.2129	20.7783	22.2129	100.3092	315.0000	406.7436	519.7505	406.7436	406.7436
419.0	0.1874	24.0627	22.5085	24.0627	100.7644	321.0000	406.7780	519.9771	406.7780	406.7780
418.5	0.2126	22.0611	20.6363	22.0611	103.3609	316.0000	406.9106	519.7466	406.9106	406.9106
418.0	0.2492	19.4394	18.1838	19.4394	102.1188	317.0000	407.4254	520.2222	407.4254	407.4254
417.5	0.2957	16.5549	15.4856	16.5549	95.6795	308.0000	407.1862	520.4268	407.1862	407.1862
417.0	0.3409	14.1627	13.2480	14.1627	93.8359	317.0000	407.8140	520.2224	407.8140	407.8140
416.5	0.4038	11.3999	10.6636	11.3999	85.6209	317.0000	407.7354	519.5632	407.7354	407.7354
416.0	0.4504	9.7056	9.0788	9.7056	93.2024	318.0000	407.6844	518.8602	407.6844	407.6844
415.5	0.4946	8.3299	7.7919	8.3299	98.1211	319.0000	406.4175	518.7632	406.4175	406.4175
415.0	0.4999	8.1812	7.6528	8.1812	106.7126	317.0000	405.6447	519.0156	405.6447	405.6447
414.5	0.4622	9.3162	8.7145	9.3162	109.5287	316.0000	406.0493	518.1860	406.0493	406.0493
414.0	0.4727	8.9853	8.4050	8.9853	108.1845	315.0000	405.9555	518.2823	405.9555	405.9555
413.5	0.4998	8.1829	7.6544	8.1829	104.6948	311.0000	405.4587	517.7349	405.4587	405.4587
413.0	0.5238	7.5322	7.0457	7.5322	99.3749	316.0000	405.4710	517.6298	405.4710	405.4710
412.5	0.5453	6.9929	6.5413	6.9929	94.2572	314.0000	405.4265	517.8412	405.4265	405.4265
412.0	0.5720	6.3773	5.9654	6.3773	101.7325	314.0000	405.1873	515.8333	405.1873	405.1873
411.5	0.5838	6.1220	5.7266	6.1220	103.4300	305.0000	404.6956	515.7858	404.6956	404.6956
411.0	0.5839	6.1209	5.7255	6.1209	101.6058	317.0000	404.8126	516.1363	404.8126	404.8126
410.5	0.5584	6.6833	6.2516	6.6833	97.2889	315.0000	404.9630	516.1155	404.9630	404.9630
410.0	0.5182	7.6781	7.1822	7.6781	97.7935	314.0000	405.0466	515.9663	405.0466	405.0466
409.5	0.4970	8.2658	7.7298	8.2636	108.2459	315.0000	405.1687	516.0207	405.1687	405.1687
409.0	0.4701	9.0681	8.4824	9.0681	110.5987	310.0000	405.2845	515.9041	405.2845	405.2845
408.5	0.4607	9.3643	8.7595	9.3643	117.9554	313.0000	405.5855	515.7222	405.5855	405.5855
408.0	0.4448	9.8936	9.2546	9.8936	114.8775	315.0000	405.3070	515.7458	405.3070	405.3070
407.5	0.4451	9.8839	9.2455	9.8839	115.3443	315.0000	405.2845	515.9261	405.2845	405.2845
407.0	0.4606	9.3680	8.7630	9.3680	106.2297	316.0000	404.8333	515.6464	404.8333	404.8333
406.5	0.4721	9.0045	8.4229	9.0045	105.3642	318.0000	404.7384	515.4040	404.7384	404.7384
406.0	0.4826	8.6728	8.1220	8.6828	98.9484	315.0000	404.8675	514.9673	404.8675	404.8675
405.5	0.5097	7.9081	7.3973	7.9081	92.5150	313.0000	404.8540	515.3266	404.8540	404.8540
405.0	0.5327	7.3029	6.8312	7.3029	92.4713	319.0000	404.7851	515.5299	404.7851	404.7851
404.5	0.5545	6.7751	6.3375	6.7751	89.1330	310.0000	405.1466	515.2057	405.1466	405.1466
404.0	0.5982	5.8247	5.4485	5.8247	87.6109	310.0000	405.0021	515.5268	405.0021	405.0021
403.5	0.6314	5.1936	4.8582	5.1936	86.3563	317.0000	404.9157	515.2145	404.9157	404.9157
403.0	0.6716	4.5215	4.2295	4.5215	86.8976	310.0000	404.8058	515.4227	404.8058	404.8058
402.5	0.6899	4.2450	3.9708	4.2450	101.6599	315.0000	404.9565	514.9209	404.9565	404.9565
402.0	0.7327	3.6607	3.4242	3.6607	98.2169	314.0000	404.8087	515.0121	404.8087	404.8087
401.5	0.7679	3.2417	3.0323	3.2417	97.4009	307.0000	404.7339	514.6063	404.7339	404.7339
401.0	0.7765	3.1475	2.9442	3.1475	95.8140	315.0000	404.9660	514.7590	404.9660	404.9660
400.5	0.7754	3.1590	2.9550	3.1590	102.7423	315.0000	404.6094	515.8176	404.6094	404.6094
400.0	0.7315	3.6759	3.4385	3.6759	100.8703	315.0000	404.4911	516.7662	404.4911	404.4911
399.5	0.6874	4.2808	4.0043	4.2808	98.4442	314.0000	405.0420	516.8062	405.0420	405.0420
399.0	0.6289	5.2397	4.9013	5.2397	97.1452	308.0000	405.5555	516.0703	405.5555	405.5555
398.5	0.5766	6.2763	5.8709	6.2763	110.1106	307.0000	405.3931	516.1182	405.3931	405.3931
398.0	0.5035	8.0780	7.5562	8.0780	104.9718	316.0000	405.1746	516.0479	405.1746	405.1746
397.5	0.3884	12.0235	11.2470	12.0235	104.1534	307.0000	405.1853	516.1665	405.1853	405.1853
397.0	0.3382	14.2992	13.3757	14.2992	94.6329	317.0000	405.5591	516.8362	405.5591	405.5591
396.5	0.3320	14.6068	13.6633	14.6068	105.8044	307.0000	405.2678	516.8158	405.2678	405.2678
396.0	0.3174	15.3647	14.3723	15.3647	100.1460	309.0000	405.3226	516.8008	405.3226	405.3226
395.5	0.3256	14.9314	13.9670	14.9314	101.8365	307.0000	405.6245	518.9999	405.6245	405.6245
395.0	0.3525	13.6093	12.7303	13.6093	102.2361	314.0000	406.4692	518.0369	406.4692	406.4692
394.5	0.3910	11.9152	11.1456	11.9152	106.5268	301.0000	407.4019	517.7447	407.4019	407.4019
394.0	0.4244	10.6181	9.9323	10.6181	108.7310	313.0000	407.2134	517.5638	407.2134	407.2134
393.5	0.4674	9.1520	8.5609	9.1520	104.3150	317.0000	407.0100	517.8778	407.0100	407.0100
393.0	0.4875	8.5390	7.9875	8.5390	118.6256	308.0000	405.6179	518.1321	405.6179	405.6179
392.5	0.5065	7.9983	7.4788	7.9952	115.5540	311.0000	404.9816	518.0441	404.9816	404.9816
392.0	0.4956	8.3029	7.7667	8.3029	114.6656	315.0000	404.8690	517.3616	404.8690	404.8690
391.5	0.5353	7.2389	6.7713	7.2389	98.9661	309.0000	405.3644	517.3145	405.3644	405.3644
391.0	0.5660	6.5103	6.0898	6.5103	106.7980	309.0000	404.9335	517.2714	404.9335	404.9335
390.5	0.5628	6.5824	6.1573	6.5824	116.3462	313.0000	405.6669	517.2459	405.6669	405.6669
390.0	0.6121	5.5522	5.1936	5.5522	123.5158	307.0000	406.0868	517.9296	406.0868	406.0868
389.5	0.6527	4.8266	4.5148	4.8266	114.8608	319.0000	406.4239	517.7815	406.4239	406.4239
389.0	0.6902	4.2398	3.9659	4.2398	106.2217	301.0000	406.7857	518.5931	406.7857	406.7857
388.5	0.6868	4.2899	4.0128	4.2899	100.8950	313.0000	406.6271	519.3436	406.6271	406.6271
388.0	0.6112	5.5692	5.2095	5.5692	104.1142	315.0000	407.6288	530.3165	407.6288	407.6288
387.5	0.5676	6.4743	6.0561	6.4743	103.6378	313.0000	408.3649	524.9024	408.3649	408.3649
387.0	0.3702	12.7990	11.9731	12.7990	103.1837	308.0000	419.2549	525.6463	419.2549	419.2549
386.5	0.5753	6.3044	5.8972	6.3044	99.6246	315.0000	413.5479	525.1489	413.5479	413.5479
386.0	0.5685	6.4552	6.0383	6.4552	94.8452	302.0000	414.5621	524.8428	414.5621	414.5621
385.5	0.5289	7.4018	6.9237	7.4018	92.2488	308.0000	414.7582	524.5848	414.7582	414.7582
385.0	0.5189	7.6617	7.1669	7.6617	93.0125	307.0000	414.4434	525.0058	414.4434	414.4434
384.5	0.3358	14.4171	13.4860	14.4171	96.0819	305.0000	418.0089	525.1130	418.0089	418.0089
384.0	0.5997	5.7960	5.4216	5.7960	96.0729	310.0000	408.4288	525.0241	408.4288	408.4288
383.5	0.5619	6.6038	6.1773	6.6038	97.8129	308.0000	408.3793	524.8074	408.3793	408.3793
383.0	0.6150	5.4976	5.1425	5.4976	90.8090	307.0000	407.4431	519.5473	407.4431	407.4431
382.5	0.6219	5.3674	5.0207	5.3674	99.4729	304.0000	407.3679	519.2934	407.3679	407.3679
382.0	0.6171	5.4570	5.1046	5.4570	103.1449	311.0000	407.1152	518.7272	407.1152	407.1152
381.5	0.6147	5.5024	5.1470	5.5024	109.8950	302.0000	406.8488	519.0292	406.8488	406.8488
381.0	0.5374	7.1864	6.7222	7.1864	99.9605	304.0000	407.8029	518.3387	407.8029	407.8029
380.5	0.5151	7.7616	7.2603	7.7616	90.7544	307.0000	407.9566	518.1545	407.9566	407.9566
380.0	0.4862	8.5745	8.0226	8.5765	91.6199	302.0000	407.5042	518.4467	407.5042	407.5042
379.5	0.4185	10.8357	10.1358	10.8357	94.1072	307.0000	407.5898	518.7366	407.5898	407.5898
379.0	0.3760	12.5470	11.7367	12.5470	93.8155	308.0000	407.8002	518.9763	407.8002	407.8002
378.5	0.3775	12.4424	11.6760	12.4422	93.3828	302.0000	408.2288	519.0409	408.2288	408.2288
378.0	0.4050	11.3512	10.6181	11.3512	98.5772	300.0000	408.0626	519.5908	408.0626	408.0626
377.5	0.4425	9.9740	9.3298	9.9740	106.7994	307.0000	407.3833	519.9105	407.3833	407.3833
377.0	0.4507	9.6938	9.0677	9.6938	108.6072	306.0000	407.7892	519.7888	407.7892	407.7892
376.5	0.4562	9.5118	8.8975	9.5118	102.1378	309.0000	407.7512	518.8246	407.7512	407.7512
376.0	0.5217	7.5858	7.0959	7.5858	105.8889	306.0000	407.5115	519.0000	407.5115	407.5115
375.5	0.5658	6.5142	6.0934	6.5142	108.8413	305.0000	407.2032	518.8145	407.2032	407.2032
375.0	0.5889	6.0136	5.6271	6.0156	111.6141	296.0000	406.1887	518.0858	406.1887	406.1887
374.5	0.5887	6.0204	5.6315	6.0204	110.9595	311.0000	405.9527	518.0206	405.9527	405.9527
374.0	0.5962	5.8652	5.4864	5.8652	107.4976	300.0000	405.8185	517.5289	405.8185	405.8185
373.5	0.6335	5.1576	4.8245	5.1576	103.9014	306.0000	405.7559	518.1353	405.7559	405.7559
373.0	0.6358	5.1164	4.7859	5.1164	98.7084	306.0000	405.2390	518.1038	405.2390	405.2390
372.5	0.5912	5.9681	5.5826	5.9681	106.8099	310.0000	405.9235	518.5797	405.9235	405.9235
372.0	0.5609	6.6254	6.1975	6.6254	111.5280	302.0000	406.1919	519.1577	406.1919	406.1919
371.5	0.5270	7.4492	6.9681	7.4492	110.9860	308.0000	406.8050	518.6415	406.8050	406.8050
371.0	0.4983	8.2248	7.6936	8.2248	102.8846	309.0000	407.6062	517.3738	407.6062	407.6062
370.5	0.5146	7.7760	7.2738	7.7760	97.7105	306.0000	406.9057	516.7121	406.9057	406.9057
370.0	0.5434	7.0763	6.5846	7.0391	102.9020	301.0000	405.4670	517.0737	405.4670	405.4670
369.5	0.5526	6.8189	6.3785	6.8189	102.0578	300.0000	404.4706	517.3005	404.4706	404.4706
369.0	0.5377	7.1781	6.7144	7.1781	108.8856	308.0000	404.5421	517.1671	404.5421	404.5421
368.5	0.5400	7.1229	6.6629	7.1229	105.1226	313.0000	404.6512	516.2250	404.6512	404.6512
368.0	0.5370	7.1957	6.7309	7.1957	98.4690	307.0000	404.3188	515.5872	404.3188	404.3188
367.5	0.5566	6.7254	6.2910	6.7254	99.4118	297.0000	403.7888	516.2007	403.7888	403.7888
367.0	0.5760	6.2905	5.8842	6.2905	103.5959	318.0000	404.2007	515.4114	404.2007	404.2007
366.5	0.5714	6.3906	5.9778	6.3906	105.0534	308.0000	405.7910	514.5528	405.7910	405.7910
366.0	0.6406	5.0327	4.7077	5.0327	94.6502	311.0000	404.9898	515.1121	404.9898	404.9898
365.5	0.6889	4.2595	3.9844	4.2595	87.4578	301.0000	404.6985	515.0190	404.6985	404.6985
365.0	0.7377	3.5981	3.3657	3.5981	93.9309	302.0000	404.9642	515.0485	404.9642	404.9642
364.5	0.8431	2.5008	2.3393	2.5008	91.8546	302.0000	404.2927	515.1557	404.2927	404.2927
364.0	0.8536	2.4114	2.2557	2.4114	99.1217	306.0000	404.9699	515.2108	404.9699	404.9699
363.5	0.8645	2.3225	2.1725	2.3225	97.1813	299.0000	405.3990	516.8644	405.3990	405.3990
363.0	0.8711	2.2703	2.1236	2.2703	106.6535	307.0000	405.9217	516.8902	405.9217	405.9217
362.5	0.8802	2.2000	2.0579	2.2000	98.6046	298.0000	406.3827	516.2882	406.3827	406.3827
362.0	0.8870	2.1487	2.0100	2.1487	103.5261	304.0000	406.3257	516.4373	406.3257	406.3257
361.5	0.9050	2.0191	1.8887	2.0191	97.8785	300.0000	406.4124	516.2756	406.4124	406.4124
361.0	0.8857	2.1584	2.0190	2.1584	97.4617	300.0000	406.7306	516.5659	406.7306	406.7306
360.5	0.8722	2.2617	2.1156	2.2617	91.4918	299.0000	406.9111	519.2493	406.9111	406.9111
360.0	0.8778	2.2179	2.0747	2.2179	93.5950	307.0000	407.1734	519.8403	407.1734	407.1734
359.5	0.8732	2.2539	2.1083	2.2539	99.5118	301.0000	407.4793	520.8135	407.4793	407.4793
359.0	0.8622	2.3412	2.1900	2.3412	96.0092	296.0000	407.8834	520.1750	407.8834	407.8834
358.5	0.8697	2.2815	2.1342	2.2815	99.6824	300.0000	408.5687	521.6136	408.5687	408.5687
358.0	0.8731	2.2549	2.1092	2.2549	99.2059	308.0000	408.9030	520.3886	408.9030	408.9030
357.5	0.8742	2.2457	2.1007	2.2457	99.3639	307.0000	408.9146	520.9671	408.9146	408.9146
357.0	0.8663	2.3084	2.1593	2.3084	92.3070	306.0000	408.8185	521.1254	408.8185	408.8185
356.5	0.8635	2.3309	2.1804	2.3309	94.8798	301.0000	408.9142	520.9426	408.9142	408.9142
356.0	0.8543	2.4059	2.2505	2.4059	100.1043	304.0000	408.5839	521.4592	408.5839	408.5839
355.5	0.8458	2.4773	2.3173	2.4773	102.4504	298.

329.5	0.7151	3.8902	3.6389	3.8902	94.7618	300.0000	411.0140	521.2328	411.0140	411.0140
329.0	0.7067	4.0051	3.7464	4.0051	103.2026	304.0000	410.9440	520.8907	410.9440	410.9440
328.5	0.6987	4.1171	3.8512	4.1171	114.1054	304.0000	411.3825	521.3346	411.3825	411.3825
328.0	0.7159	3.8793	3.6288	3.8793	114.7124	294.0000	411.1896	521.2222	411.1896	411.1896
327.5	0.7353	3.6279	3.3936	3.6279	112.3492	304.0000	410.6901	521.7977	410.6901	410.6901
327.0	0.7984	2.9183	2.7298	2.9183	107.5622	302.0000	410.0854	521.7858	410.0854	410.0854
326.5	0.8288	2.6272	2.4575	2.6272	99.1760	297.0000	410.0218	522.0514	410.0218	410.0218
326.0	0.8481	2.4580	2.2993	2.4580	101.3411	288.0000	410.2079	522.3464	410.2079	410.2079
325.5	0.8661	2.3099	2.1608	2.3099	90.9552	304.0000	410.3534	523.4324	410.3534	410.3534
325.0	0.8855	2.2600	2.1142	2.2600	92.9706	305.0000	409.7118	522.1481	409.7118	409.7118
324.5	0.8838	2.1725	2.0321	2.1725	92.5173	294.0000	409.4724	523.4017	409.4724	409.4724
324.0	0.8885	2.1381	2.0000	2.1381	96.7874	296.0000	409.0497	521.7672	409.0497	409.0497
323.5	0.8864	2.1534	2.0143	2.1534	98.5876	304.0000	408.6658	521.8158	408.6658	408.6658
323.0	0.8836	2.1744	2.0339	2.1744	96.0996	302.0000	408.5393	521.9853	408.5393	408.5393
322.5	0.8760	2.2324	2.0882	2.2324	100.9172	297.0000	408.2938	521.4791	408.2938	408.2938
322.0	0.8701	2.2781	2.1310	2.2781	101.5345	291.0000	408.5415	520.8122	408.5415	408.5415
321.5	0.8576	2.3786	2.2249	2.3786	103.1372	298.0000	408.6581	520.2728	408.6581	408.6581
321.0	0.8359	2.5632	2.3977	2.5632	92.3186	308.0000	408.7887	519.8976	408.7887	408.7887
320.5	0.8266	2.6476	2.4766	2.6476	95.0739	292.0000	408.3272	520.1324	408.3272	408.3272
320.0	0.8041	2.8608	2.6760	2.8608	95.5664	291.0000	408.0431	519.8110	408.0431	408.0431
319.5	0.7713	3.2047	2.9978	3.2047	97.1404	299.0000	408.0045	519.5331	408.0045	408.0045
319.0	0.7358	3.6227	3.3887	3.6227	92.4909	296.0000	408.3284	519.6899	408.3284	408.3284
318.5	0.7057	4.0189	3.7593	4.0189	93.5922	289.0000	408.9781	519.7807	408.9781	408.9781
318.0	0.6786	4.5053	4.2143	4.5053	102.4268	297.0000	409.9130	520.3759	409.9130	409.9130
317.5	0.6796	4.3987	4.1146	4.3987	105.0012	298.0000	410.1167	520.4593	410.1167	410.1167
317.0	0.6720	4.5152	4.2236	4.5152	106.5994	292.0000	410.6407	520.5966	410.6407	410.6407
316.5	0.7102	3.9567	3.7011	3.9567	105.7112	298.0000	410.8888	521.1755	410.8888	410.8888
316.0	0.7362	3.6170	3.3833	3.6170	107.4085	297.0000	410.8409	520.8400	410.8409	410.8409
315.5	0.7793	3.1172	2.9158	3.1172	104.2361	290.0000	410.6721	521.6472	410.6721	410.6721
315.0	0.8052	2.8505	2.6664	2.8505	114.2760	301.0000	410.4270	521.0859	410.4270	410.4270
314.5	0.8177	2.7296	2.5533	2.7296	116.8532	293.0000	409.8344	520.8541	409.8344	409.8344
314.0	0.8090	2.8132	2.6315	2.8132	121.7030	291.0000	409.2592	520.5796	409.2592	409.2592
313.5	0.7773	3.1382	2.9355	3.1382	115.1250	294.0000	409.0595	519.6219	409.0595	409.0595
313.0	0.7388	3.5851	3.3535	3.5851	110.5618	288.0000	409.0556	518.9783	409.0556	409.0556
312.5	0.6837	4.3367	4.0566	4.3367	110.7612	286.0000	408.8748	519.1569	408.8748	408.8748
312.0	0.6428	4.9945	4.6719	4.9945	102.1252	292.0000	409.1456	519.5969	409.1456	409.1456
311.5	0.6203	5.3970	5.0485	5.3970	102.5924	288.0000	409.5003	518.9913	409.5003	409.5003
311.0	0.6007	5.7759	5.4029	5.7759	110.4257	294.0000	409.6907	519.1531	409.6907	409.6907
310.5	0.5966	5.8570	5.4787	5.8570	128.0633	293.0000	409.5433	519.6445	409.5433	409.5433
310.0	0.6120	5.5550	5.1962	5.5550	132.7672	294.0000	409.5867	519.8651	409.5867	409.5867
309.5	0.6254	5.3049	4.9614	5.3049	122.1776	292.0000	409.3939	519.8664	409.3939	409.3939
309.0	0.6258	5.2960	4.9539	5.2960	120.0427	291.0000	409.4793	519.5845	409.4793	409.4793
308.5	0.6515	4.8468	4.5338	4.8468	125.2641	289.0000	409.4373	519.1642	409.4373	409.4373
308.0	0.6744	4.4782	4.1889	4.4782	124.8526	293.0000	409.2142	519.1176	409.2142	409.2142
307.5	0.6943	4.1513	3.8832	4.1513	111.0549	293.0000	409.0602	519.9736	409.0602	409.0602
307.0	0.7062	4.0122	3.7531	4.0122	95.9382	284.0000	409.1463	519.3936	409.1463	409.1463
306.5	0.7097	3.9637	3.7077	3.9637	98.3113	291.0000	409.8378	519.2030	409.8378	409.8378
306.0	0.7126	3.9242	3.6707	3.9242	104.3498	292.0000	409.7791	519.8104	409.7791	409.7791
305.5	0.7155	3.8846	3.6337	3.8846	110.4029	281.0000	409.4760	519.9498	409.4760	409.4760
305.0	0.7177	3.8563	3.6073	3.8563	109.0614	289.0000	409.2717	519.4069	409.2717	409.2717
304.5	0.7063	4.0111	3.7520	4.0111	108.1401	289.0000	408.9223	519.7350	408.9223	408.9223
304.0	0.6647	4.6299	4.3309	4.6299	109.3859	293.0000	409.4307	519.7154	409.4307	409.4307
303.5	0.6513	4.8488	4.5356	4.8488	113.1905	291.0000	409.6370	519.6733	409.6370	409.6370
303.0	0.6224	5.3587	5.0126	5.3587	120.5753	285.0000	409.9200	520.1016	409.9200	409.9200
302.5	0.5876	6.0428	5.6526	6.0428	122.0620	291.0000	410.3415	520.7476	410.3415	410.3415
302.0	0.5670	6.4889	6.0698	6.4889	114.8385	290.0000	410.3822	520.3869	410.3822	410.3822
301.5	0.5651	6.5299	6.1082	6.5299	101.8962	280.0000	410.6930	520.7094	410.6930	410.6930
301.0	0.5813	6.1747	5.7759	6.1747	97.3371	289.0000	410.2735	520.0682	410.2735	410.2735
300.5	0.5964	5.8625	5.4838	5.8625	90.9529	286.0000	409.7644	519.7644	409.7644	409.7644
300.0	0.6211	5.3822	5.0346	5.3822	89.2097	290.0000	409.5128	519.3703	409.5128	409.5128
299.5	0.6871	4.2855	4.0088	4.2855	84.5299	289.0000	408.8688	520.2962	408.8688	408.8688
299.0	0.7281	3.7736	3.4793	3.7736	97.6721	284.0000	408.3667	520.2327	408.3667	408.3667
298.5	0.7333	3.6530	3.4171	3.6530	104.5961	289.0000	408.5839	520.3046	408.5839	408.5839
298.0	0.7455	3.5034	3.2771	3.5034	113.4579	300.0000	409.2556	522.1177	409.2556	409.2556
297.5	0.7166	3.8709	3.6208	3.8709	108.4720	288.0000	409.6945	530.3252	409.6945	409.6945
297.0	0.7440	3.5145	3.2940	3.5145	100.6464	294.0000	412.6307	525.0226	412.6307	412.6307
296.5	0.3987	11.6033	10.8538	11.6033	89.4583	298.0000	420.0911	524.9707	420.0911	420.0911
296.0	0.7331	3.6560	3.4199	3.6560	79.6904	291.0000	414.1924	524.5900	414.1924	414.1924
295.5	0.6812	4.3734	4.0909	4.3734	76.7297	292.0000	414.5800	525.1590	414.5800	414.5800
295.0	0.6776	4.4292	4.1431	4.4292	83.0838	288.0000	414.4518	525.8032	414.4518	414.4518
294.5	0.7098	3.9620	3.7061	3.9620	92.3779	292.0000	414.5408	524.9453	414.5408	414.5408
294.0	0.4717	9.0161	8.4337	9.0161	96.6729	283.0000	420.3516	525.0183	420.3516	420.3516
293.5	0.6003	5.7836	5.4100	5.7836	91.5342	283.0000	411.5612	524.6767	411.5612	411.5612
293.0	0.6502	4.8686	4.5542	4.8686	88.9191	289.0000	409.8388	529.9160	409.8388	409.8388
292.5	0.6588	4.7248	4.4196	4.7248	91.1031	285.0000	409.4641	522.0368	409.4641	409.4641
292.0	0.6738	4.4875	4.1976	4.4875	89.8877	283.0000	409.3470	520.0078	409.3470	409.3470
291.5	0.6601	4.7047	4.4008	4.7047	86.8939	289.0000	409.4509	520.2013	409.4509	409.4509
291.0	0.6489	4.8907	4.5748	4.8907	82.3556	285.0000	409.3836	519.9138	409.3836	409.3836
290.5	0.6379	5.0796	4.7515	5.0796	77.7206	293.0000	409.5540	519.5470	409.5540	409.5540
290.0	0.6134	5.5275	5.1705	5.5275	88.8330	280.0000	409.7353	520.0967	409.7353	409.7353
289.5	0.5769	6.2712	5.8661	6.2712	95.1248	284.0000	409.7848	519.7317	409.7848	409.7848
289.0	0.5538	6.7912	6.3526	6.7912	102.0115	290.0000	409.4872	519.7725	409.4872	409.4872
288.5	0.5518	6.8369	6.3953	6.8369	97.2166	286.0000	409.2161	519.7071	409.2161	409.2161
288.0	0.5602	6.6422	6.2132	6.6422	95.8757	283.0000	409.2928	519.7587	409.2928	409.2928
287.5	0.5793	6.2185	5.8168	6.2185	92.8837	285.0000	409.6393	519.4738	409.6393	409.6393
287.0	0.6538	4.8806	4.4981	4.8806	93.6828	283.0000	409.9633	519.8629	409.9633	409.9633
286.5	0.6958	4.1592	3.8905	4.1592	94.9810	292.0000	410.0136	520.2543	410.0136	410.0136
286.0	0.7504	3.4442	3.2218	3.4442	93.7235	277.0000	409.4471	520.3040	409.4471	409.4471
285.5	0.7303	3.6912	3.4528	3.6912	98.2742	277.0000	409.5653	520.3625	409.5653	409.5653
285.0	0.6905	4.2362	3.9626	4.2362	98.8501	282.0000	409.6819	520.1592	409.6819	409.6819
284.5	0.6712	4.5274	4.2350	4.5274	105.3006	281.0000	409.8455	520.0637	409.8455	409.8455
284.0	0.6340	5.1475	4.8150	5.1475	102.7478	279.0000	409.4676	520.3196	409.4676	409.4676
283.5	0.5862	6.0717	5.6795	6.0717	97.8258	288.0000	409.3982	520.4040	409.3982	409.3982
283.0	0.5265	7.4632	6.9811	7.4632	92.6496	289.0000	409.3203	520.4832	409.3203	409.3203
282.5	0.4862	8.5753	8.0214	8.5753	87.4374	282.0000	409.9345	520.3464	409.9345	409.9345
282.0	0.4918	8.4123	7.8690	8.4123	95.2925	283.0000	410.0076	519.6570	410.0076	410.0076
281.5	0.5099	7.9971	7.4803	7.9971	99.1513	280.0000	409.8693	519.6396	409.8693	409.8693
281.0	0.5345	7.2591	6.7903	7.2591	96.7553	276.0000	409.1700	519.7485	409.1700	409.1700
280.5	0.5657	6.5164	6.0955	6.5164	87.1878	277.0000	409.1942	519.7048	409.1942	409.1942
280.0	0.5855	6.0863	5.6932	6.0863	86.3788	283.0000	409.2174	519.4127	409.2174	409.2174
279.5	0.6125	5.5441	5.1861	5.5441	87.9589	284.0000	409.2138	519.7642	409.2138	409.2138
279.0	0.6297	5.2248	4.8873	5.2248	88.4095	290.0000	408.8297	519.2775	408.8297	408.8297
278.5	0.6440	4.9741	4.6529	4.9741	90.4601	286.0000	408.4877	519.4846	408.4877	408.4877
278.0	0.6592	4.7184	4.4136	4.7184	91.2516	276.0000	408.2375	519.3171	408.2375	408.2375
277.5	0.6460	4.9390	4.6200	4.9390	98.5905	284.0000	408.4108	518.4291	408.4108	408.4108
277.0	0.6257	5.2979	4.9557	5.2979	99.0085	281.0000	408.5499	518.4634	408.5499	408.5499
276.5	0.5993	5.8034	5.4286	5.8034	103.1578	280.0000	408.6993	518.1143	408.6993	408.6993
276.0	0.5936	5.9190	5.5367	5.9190	94.5952	282.0000	408.6840	518.5833	408.6840	408.6840
275.5	0.5949	5.8914	5.5109	5.8914	96.4167	285.0000	408.4625	518.4674	408.4625	408.4625
275.0	0.5918	5.9550	5.5704	5.9550	99.7014	277.0000	408.6822	518.8434	408.6822	408.6822
274.5	0.5947	5.8959	5.5151	5.8959	107.6204	279.0000	409.0037	518.6528	409.0037	409.0037
274.0	0.6083	5.6254	5.2620	5.6254	102.5855	280.0000	408.8347	519.1212	408.8347	408.8347
273.5	0.6215	5.3750	5.0279	5.3750	84.5655	286.0000	408.8063	519.3127	408.8063	408.8063
273.0	0.6203	5.3976	5.0490	5.3976	72.4267	280.0000	408.6075	519.1943	408.6075	408.6075
272.5	0.6121	5.5517	5.1931	5.5517	68.0625	280.0000	408.6649	519.2176	408.6649	408.6649
272.0	0.6001	5.7864	5.4127	5.7864	84.9164	282.0000	408.6765	519.2790	408.6765	408.6765
271.5	0.6074	5.6427	5.2782	5.6427	97.8988	286.0000	408.6125	519.0240	408.6125	408.6125
271.0	0.6199	5.4044	5.0553	5.4044	110.4769	275.0000	408.6257	519.5298	408.6257	408.6257
270.5	0.6366	5.1026	4.7731	5.1026	106.8202	281.0000	408.9100	519.2735	408.9100	408.9100
270.0	0.6297	5.2253	4.8878	5.2253	100.4366	283.0000	409.4348	519.1916	409.4348	409.4348
269.5	0.6713	4.5263	4.2339	4.5263	100.9584	285.0000	409.6231	519.9178	409.6231	409.6231
269.0	0.7106	3.9519	3.6967	3.9519	95.7622	280.0000	409.7429	519.6274	409.7429	409.7429
268.5	0.7487	3.4648	3.2410	3.4648	100.1916	281.0000	409.5283	519.7196	409.5283	409.5283
268.0	0.7790	3.1202	2.9187	3.1202	90.2208	273.0000	409.1624	519.5048	409.1624	409.1624
267.5	0.7933	2.9697	2.7779	2.9697	97.6368	274.0000	408.6287	519.8141	408.6287	408.6287
267.0	0.7883	3.0219	2.8267	3.0219	91.8016	279.0000	408.1474	519.1533	408.1474	408.1474
266.5	0.7682	3.2390	3.0298	3.2390	100.0413	279.0000	408.6288	518.3197	408.6288	408.6288
266.0	0.7498	3.4511	3.2282	3.4511	92.4494	289.0000	408.5201	518.6510	408.5201	408.5201
265.5	0.7838	3.0692	2.8709	3.0692	94.6131	283.0000	408.3420	519.5779	408.3420	408.3420
265.0	0.7918	2.9850	2.7922	2.9850	89.8287	276.0000	408.6706	519.1484	408.6706	408.6706
264.5	0.7872	3.0335	2.8376	3.0335	96.9111	288.0000	408.5999	519.1484	408.5999	408.5999
264.0	0.7505	3.4431	3.2207	3.4431	102.5597	290.0000	408.7829	519.1263	408.7829	408.7829
263.5	0.7307	3.6865	3.4484	3.6865	107.3668	276.0000	409.0443	518.9572	409.0443	409.0443
263.0	0.7098	3.9627	3.7068	3.9627	101.7595	279.0000	408.9353	518.6622	408.9353	408.9353
262.5	0.6896	4.2485	3.9741	4.2485	93.4971	280.0000	408.4637	518.3568	408.4637	408.4637
262.0	0.6363	5.1067	4.7769	5.1067	90.2883	286.0000	408.3892	518.6069	408.3892	408.3892
261.5	0.6076	5.6401	5.2758	5.6401	98.4921	282.0000	408.5953	518.1649	408.5953	408.5953
261.0	0.6103	5.5878	5.2269	5.5878	113.1328	289.0000	408.6394	518.4295	408.6394	408.6394
260.5	0.6171	5.4570	5.1046	5.4570	114.1725	280.0000	408.6592	518.1866	408.6592	408.6592
260.0	0.6224	5.3586	5.0125	5.3586	116.8805	285.0000	408.8322	518.4001	408.8322	408.8322
259.5	0.6601	4.7043	4.4005	4.7043	103.9281	277.0000	408.0309	518.6685	408.0309	408.0309
259.0	0.6772	4.4340	4.1476	4.4340	104.8800	285.0000	408.0456	518.6854	408.0456	408.0456
258.5	0.6615	4.6815	4.3791	4.6815	95.2548	277.0000	408.1100	518.6813	408.1100	408.1100
258.0	0.6318	5.1876	4.8525	5.1876	99.5823	276.0000	408.2328	518.2047	408.2328	408.2328
257.5	0.6004	5.7817	5.4083	5.7817	99.9934	276.0000	408.5465	518.1274	408.5465	408.5465
257.0	0.6308	5.7136	5.3446	5.7136	105.6228	288.0000	408.9858	518.2433	408.9858	408.9858
256.5	0.6378	5.0814	4.7532	5.0814	102.5744	276.0000	408.1405	518.9271	408.1405	408.1405
256.0	0.6155	5.4384	5.1340	5.4384	101.4304	281.0000	408.0005	519.4266	408.0005	408.0005
255.5	0.6065	5.6600	5.2945	5.6600	97.0924	273.0000	408.5411	518.5326	408.5411	408.5411
255.0	0.6010	5.7689	5.3963	5.7689	95.3987	280.0000	408.6773	518.8400	408.6773	408.6773
254.5	0.5971	5.8468	5.4692	5.8468	88.9894	281.0000	408.5663	518.8607	408.5663	408.5663
254.0	0.5856	6.0839	5.6910	6.0839	89.4222	280.0000	408.4721	519.2266	408.4721	408.4721
253.5	0.5453	6.9921	6.5405	6.9921	87.6731	277.0000	408.3534	519.7358	408.3534	408.3534
253.0	0.5320	7.3227	6.8497	7.3227	86.8900	283.0000	408.5201	523.3083	408.5201	408.5201
252.5	0.4920	8.4070	7.8640	8.4070	80.8316	282.0000	409.4674	528.9828	409.4674	409.4674
252.0	0.5635	6.5966	6.1427	6.5966	78.3421	276.0000	413.2798	523.7892	413.2798	413.2798
251.5	0.2872	17.0509	15.9496	17.0509	86.6563	281.0000	419.0697	524.1252	419.0697	419.0697
251.0	0.6461	4.9372	4.6183	4.9372	86.2398	288.0000	414.1353	524.9326	414.1353	414.1353
250.5	0.6855	4.3099	4.0315	4.3099	94.6117	282.0000	413.9130	525.1776	413.9130	413.9130
250.0	0.6688	4.5644	4.2696	4.5644	93.1135	279.0000	414.5076	524.4844	414.5076	414.5076
249.5	0.7712	3.2054	2.9984	3.2054	110.4864	285.0000	413.3885	524.3723	413.3885	413.3885
249.0	0.4116	11.0962	10.3795	11.0962	112.8261	283.0000	416.3342	525.2314	416.3342	416.3342
248.5	0.6347	5.1141	4.7844	5.1141	122.7793	275.0000	410.5332	525.1368	410.5332	410.5332
248.0	0.6570	4.7544	4.4474	4.7544	120.7578	273.0000	408.6289	525.8475	408.6289	408.6289
247.5	0.6431	4.9890	4.6667	4.9890	117.2958	286.0000	408.8841	520.7918	408.8841	408.8841
247.0	0.6466	4.9287	4.6104	4.9287	99.1229	283.0000	408.1529	518.6541	408.1529	408.1529
246.5	0.6210	5.3851	5.0372	5.3851	80.9454	282.0000	409.3965	519.0737	409.3965	409.3965
246.0	0.6165	5.4682	5.1150	5.4682	59.7409	279.0000	409.2718	518.6239	409.2718	409.2718
245.5	0.6077	5.6366	5.2726	5.6366	53.7357	285.0000	408.8210	518.7745	408.8210	408.8210
245.0	0.6037	5.7151	5.3460	5.7151	52.4232	285.0000	408.9558	518.2090	408.9558	408.9558
244.5	0.6122	5.5510	5.1925	5.5510	75.3798	272.0000	408.9199	518.5113	408.9199	408.9199
244.0	0.6468	4.9258	4.6076	4.9258	83.3667	279.0000	408.9070	518.5709	408.9070	408.9070
243.5	0.6495	4.8790	4.5639	4.8790	89.4252	279.0000	408.6783	518.4664	408.6783	408.6783
243.0	0.6549	4.7901	4.4807	4.7901	85.9610	275.0000	408.2592	518.9849	408.2592	408.2592
242.5	0.6336	5.1546	4.8217	5.1546	89.1558	280.0000	407.7020	518.5737	407.7020	407.7020
242.0	0.6232	5.3496	4.9993	5.3496	88.7230	274.0000	407.7611	518.1797	407.7611	407.7611
241.5	0.6292	5.2339	4.8958	5.2339	91.9760	279.0000	407.9365	517.7224	407.9365	407.9365
241.0	0.6266	5.2814	4.9403	5.2814	99.7744	290.0000	407.9101	517.6870	407.9101	407.9101
240.5	0.6005	5.7788	5.4055	5.7788	113.2914	275.0000	408.1732	518.1661	408.1732	408.1732
240.0	0.6205	5.5283	4.8906	5.2283	106.1083	281.0000	407.9067	517.8206	407.9067	407.9067
239.5	0.6555	4.7791	4.4704	4.7791	97.4534	281.0000	407.9330	518.3046	407.9330	407.9330
239.0	0.6807	4.3818	4.0988	4.3818	92.6350	275.0000	408.0819	518.0174	408.0819	408.0819
238.5	0.7288	3.7489	3.5068	3.7489	89.1895	273.0000	408.0727	517.9169	408.0727	408.0727
238.0	0.7430	3.5338	3.3056	3.5338	79.6691	273.0000	408.0839	518.2664	408.0839	408.0839
237.5	0.7531	3.4127	3.1923	3.4127	66.4831	283.0000	407.8521	518.0327	407.8521	407.8521
237.0	0.7432	3.5313	3.3032	3.5313	67.7814	283.0000	407.9464	518.1506	407.9464	407.9464
236.5	0.7120	3.9328	3.6788	3.9328	74.1962	281.0000	408.2930	518.0240	408.2930	408.2930
236.0	0.6916	4.2201	3.9475	4.2201	82.1263	281.0000	408.1953	518.2159	408.1953	408.1953
235.5	0.6808	4.3800	4.0971	4.3800	82.2665	281.0000	408.0915	517.8165	408.0915	408.0915
235.0	0.6491	4.8869	4.5712	4.8869	84.5066	274.0000	408.2785	518.3357	408.2785	408.2785
234.5	0.6395	5.0513	4.7251	5.0513	80.6311	280.0000	408.3451	517.7805	408.3451	408.3451
234.0	0.6321	5.1823	4.8476	5.1823	83.8277	277.0000	408.3630	518.1636	408.3630	408.3630
233.5	0.6242	5.3244	4.9805	5.3244	82.5294	285.0000	408.0335	518.0594	408.0335	408.0335
233.0	0.6061	5.6686	5.3024	5.6686	89.4533	277.0000	408.0280	518.4233	408.0280	408.0280
232.5	0.5737	6.3399	5.9305	6.3399	93.8671	279.0000	408.0793	518.6973	408.0793	408.0793
232.0	0.5393	7.1397	6.6786	7.1397	100.7692	280.0000	408.6277	518.5402	408.6277	408.6277
231.5	0.4958	8.2978	7.7619	8.2978	99.4709	276.0000	409.0014	518.9144	409.0014	409.0014
231.0	0.4757	8.8923	8.3180	8.8923	109.0183	273.0000	409.2176	519.5541	409.2176	409.2176
230.5	0.4538	9.5907	8.9713	9.5907	106.8970	282.0000	409.4288	519.9998	409.4288	409.4288
230.0	0.4371	10.1653	9.5050	10.1613	99.5403	285.0000	409.8900	520.0180	409.8900	409.8900
229.5	0.4360	10.1984	9.5397	10.1984	91.1541	279.0000	410.1401	520.6408	410.1401	410.1401
229.0	0.4466	9.8316	9.1966	9.8316	97.6494	273.0000	410.2585	520.0720	410.2585	410.2585
228.5	0.4667	9.1742	8.5817	9.1742	101.3028	273.0000	410.0730	520.0797	410.0730	410.0730
228.0	0.4861	8.5789	8.0248	8.5789	102.7770	285.0000	409.7031	520.0023	409.7031	409.7031
227.5	0.5033	8.0835	7.5614	8.0835	95.3957	279.

201.5	0.7965	2.9372	2.7475	2.9372	43.8159	288.0000	408.7768	518.9492	408.7768	408.7768
201.0	0.7871	3.0345	2.8385	3.0345	46.7743	280.0000	407.9465	518.8080	407.9465	407.9465
200.5	0.7808	3.1008	2.9005	3.1008	52.8452	281.0000	407.4539	518.1482	407.4539	407.4539
200.0	0.7632	3.2956	3.0828	3.2956	64.9074	281.0000	407.0786	518.1989	407.0786	407.0786
199.5	0.7244	3.7681	3.5247	3.7681	84.7247	285.0000	407.7842	518.4027	407.7842	407.7842
199.0	0.6891	4.2565	3.9816	4.2565	93.8000	290.0000	408.2665	518.0840	408.2665	408.2665
198.5	0.6561	4.7692	4.4612	4.7692	103.3147	283.0000	408.8902	517.9669	408.8902	408.8902
198.0	0.6183	5.4340	5.0830	5.4340	87.3921	273.0000	408.5685	517.7623	408.5685	408.5685
197.5	0.6069	5.6532	5.2881	5.6532	79.9627	275.0000	408.2630	517.0877	408.2630	408.2630
197.0	0.5837	6.1256	5.7300	6.1256	60.9445	280.0000	407.3412	516.5306	407.3412	407.3412
196.5	0.6133	5.5301	5.1729	5.5301	55.3288	275.0000	406.8116	516.9921	406.8116	406.8116
196.0	0.6322	5.1793	4.8448	5.1793	45.1452	284.0000	407.2779	517.6685	407.2779	407.2779
195.5	0.6263	5.2865	4.9450	5.2865	41.0177	288.0000	407.7645	518.0997	407.7645	407.7645
195.0	0.6237	5.3338	4.9893	5.3338	37.7825	280.0000	407.5888	518.9608	407.5888	407.5888
194.5	0.5832	6.1342	5.7380	6.1342	38.7512	276.0000	407.2043	519.3431	407.2043	407.2043
194.0	0.5253	7.4939	7.0099	7.4939	37.4605	286.0000	407.0088	518.6921	407.0088	407.0088
193.5	0.4531	9.6154	8.9943	9.6154	39.4498	285.0000	406.8286	518.7656	406.8286	406.8286
193.0	0.3861	12.1166	11.3340	12.1166	37.2861	279.0000	406.8108	518.8463	406.8108	406.8108
192.5	0.3126	15.6198	14.6110	15.6198	42.3433	275.0000	407.7395	518.7146	407.7395	407.7395
192.0	0.2968	16.4975	15.4320	16.4975	43.5922	282.0000	408.0003	519.2078	408.0003	408.0003
191.5	0.2794	17.5156	16.3843	17.5156	51.7982	285.0000	408.1603	519.6412	408.1603	408.1603
191.0	0.2757	17.7435	16.5975	17.7435	56.1935	280.0000	408.3635	519.5917	408.3635	408.3635
190.5	0.2950	16.5950	15.5232	16.5950	67.4249	279.0000	408.4282	519.7547	408.4282	408.4282
190.0	0.2789	17.5442	16.4111	17.5442	76.1031	288.0000	408.2225	519.9744	408.2225	408.2225
189.5	0.2422	19.9196	18.6331	19.9196	80.8828	282.0000	408.5970	520.0919	408.5970	408.5970
189.0	0.2294	20.8204	19.4757	20.8204	83.9309	282.0000	408.8725	520.1177	408.8725	408.8725
188.5	0.2287	20.8675	19.5197	20.8675	81.3344	283.0000	408.8134	520.5219	408.8134	408.8134
188.0	0.2247	21.1617	19.7949	21.1617	80.9650	283.0000	408.7747	520.6564	408.7747	408.7747
187.5	0.1997	23.0672	21.5773	23.0672	76.1541	282.0000	408.6611	520.9036	408.6611	408.6611
187.0	0.1700	25.5586	23.9078	25.5586	76.2611	275.0000	408.9491	521.0320	408.9491	408.9491
186.5	0.1614	26.3283	24.6278	26.3283	84.0280	284.0000	409.1861	520.8411	409.1861	409.1861
186.0	0.1527	27.1319	25.3796	27.1319	86.1102	284.0000	409.2389	521.1808	409.2389	409.2389
185.5	0.1285	29.4911	27.5863	29.4911	78.6449	283.0000	409.2916	521.1909	409.2916	409.2916
185.0	0.1097	31.4710	29.4384	31.4710	62.6333	277.0000	409.3691	521.0892	409.3691	409.3691
184.5	0.0968	32.9046	30.7794	32.9046	52.3408	279.0000	409.2835	521.0412	409.2835	409.2835
184.0	0.1083	31.6315	29.5885	31.6315	53.4435	291.0000	409.0008	521.0652	409.0008	409.0008
183.5	0.1102	31.4229	29.3934	31.4229	62.9469	285.0000	408.9256	521.1547	408.9256	408.9256
183.0	0.1233	30.0264	28.0870	30.0264	73.2076	282.0000	408.8690	520.9385	408.8690	408.8690
182.5	0.1514	27.2542	25.4939	27.2542	79.9159	286.0000	408.7038	520.7466	408.7038	408.7038
182.0	0.1957	23.3877	21.8771	23.3877	86.2728	284.0000	408.4365	520.5398	408.4365	408.4365
181.5	0.2151	21.8695	20.4570	21.8695	82.9058	285.0000	408.3671	520.5251	408.3671	408.3671
181.0	0.2308	20.7162	19.3782	20.7162	89.7540	288.0000	408.4081	520.3167	408.4081	408.4081
180.5	0.2468	19.6057	18.3394	19.6057	88.6274	276.0000	408.5096	520.2628	408.5096	408.5096
180.0	0.2710	18.0337	16.8669	18.0337	94.7549	281.0000	408.6165	520.2893	408.6165	408.6165
179.5	0.2869	17.0703	15.9678	17.0703	91.5236	275.0000	408.6313	520.2990	408.6313	408.6313
179.0	0.2991	16.3631	15.3063	16.3631	86.3104	276.0000	408.5275	520.1700	408.5275	408.5275
178.5	0.3054	16.0101	14.9760	16.0101	85.4444	282.0000	408.4005	519.9624	408.4005	408.4005
178.0	0.3201	15.2193	14.2364	15.2193	92.3008	283.0000	407.9585	519.6664	407.9585	407.9585
177.5	0.3219	15.1227	14.1460	15.1227	90.9763	280.0000	407.6510	519.3572	407.6510	407.6510
177.0	0.3257	14.9272	13.9631	14.9272	94.6767	282.0000	407.1059	518.8692	407.1059	407.1059
176.5	0.3117	15.6692	14.6571	15.6692	91.5508	285.0000	406.6858	518.6905	406.6858	406.6858
176.0	0.2851	17.1745	16.0656	17.1745	99.2044	279.0000	406.3035	518.2399	406.3035	406.3035
175.5	0.2554	19.0323	17.8030	19.0323	98.9067	281.0000	406.5447	517.9042	406.5447	406.5447
175.0	0.2459	19.6666	18.3964	19.6666	98.0412	274.0000	406.5110	517.0020	406.5110	406.5110
174.5	0.2712	18.0218	16.8578	18.0218	95.2054	275.0000	406.4148	516.8868	406.4148	406.4148
174.0	0.3083	15.8540	14.8300	15.8540	97.8873	277.0000	405.6848	517.1101	405.6848	405.6848
173.5	0.3217	15.1335	14.1560	15.1335	98.2258	275.0000	405.4707	517.3172	405.4707	405.4707
173.0	0.3315	14.6325	13.6874	14.6325	110.7334	282.0000	405.3353	516.8810	405.3353	405.3353
172.5	0.3703	12.7973	11.9707	12.7973	118.7955	281.0000	405.4814	517.0749	405.4814	405.4814
172.0	0.4093	11.1829	10.4607	11.1829	136.2230	279.0000	404.7952	516.4205	404.7952	404.7952
171.5	0.4375	10.1474	9.4920	10.1474	127.9571	276.0000	404.3853	516.3075	404.3853	404.3853
171.0	0.4473	9.8104	9.1768	9.8104	120.3652	276.0000	404.4309	516.0311	404.4309	404.4309
170.5	0.4473	9.8091	9.1756	9.8091	102.9937	273.0000	404.7503	515.7816	404.7503	404.7503
170.0	0.4720	9.0087	8.4268	9.0087	95.7716	272.0000	404.5937	516.2089	404.5937	404.5937
169.5	0.4647	9.2362	8.6397	9.2362	90.3483	274.0000	404.5658	516.8085	404.5658	404.5658
169.0	0.4240	10.6301	9.9435	10.6301	85.8797	276.0000	405.2460	516.7153	405.2460	405.2460
168.5	0.4021	11.4673	10.7267	11.4673	81.1958	268.0000	405.3232	516.5472	405.3232	405.3232
168.0	0.3965	11.6919	10.9367	11.6919	78.1861	276.0000	405.5298	517.6766	405.5298	405.5298
167.5	0.3798	12.3855	11.5856	12.3855	82.9968	273.0000	405.6525	518.0955	405.6525	405.6525
167.0	0.3466	13.8898	12.9927	13.8898	89.9208	282.0000	406.4716	521.3703	406.4716	406.4716
166.5	0.3104	15.7356	14.7193	15.7356	89.3628	274.0000	407.2045	522.7065	407.2045	407.2045
166.0	0.1987	23.1426	21.6479	23.1426	85.1259	273.0000	410.3762	523.0411	410.3762	410.3762
165.5	0.5389	7.1485	6.6868	7.1485	77.6757	272.0000	411.8688	523.3134	411.8688	411.8688
165.0	0.4468	9.8268	9.1921	9.8268	73.4734	274.0000	412.3650	523.2405	412.3650	412.3650
164.5	0.4169	10.8945	10.1908	10.8945	72.6420	275.0000	412.8268	523.3843	412.8268	412.8268
164.0	0.3840	12.2047	11.4164	12.2047	84.9892	275.0000	413.0162	523.6209	413.0162	413.0162
163.5	0.4873	8.5433	7.9915	8.5433	95.3751	275.0000	412.8255	524.2933	412.8255	412.8255
163.0	0.1127	31.1506	29.1387	31.1506	101.6422	279.0000	411.7563	524.4846	411.7563	411.7563
162.5	0.1870	24.0956	22.5401	24.0965	100.4616	274.0000	408.4885	524.1976	408.4885	408.4885
162.0	0.1785	24.8187	23.2157	24.8187	97.6414	280.0000	408.5023	523.1021	408.5023	408.5023
161.5	0.1694	25.6101	23.9560	25.6101	96.9660	274.0000	408.2570	520.1307	408.2570	408.2570
161.0	0.1574	26.6958	24.9716	26.6958	96.5121	275.0000	408.2072	520.4056	408.2072	408.2072
160.5	0.1550	26.9315	25.1761	26.9315	95.9465	279.0000	408.1917	520.3264	408.1917	408.1917
160.0	0.1361	28.7272	26.8718	28.7272	93.6161	273.0000	408.4444	520.3948	408.4444	408.4444
159.5	0.1212	30.2444	28.2909	30.2444	94.6705	282.0000	408.5880	520.1772	408.5880	408.5880
159.0	0.1234	30.0242	28.0850	30.0242	95.8271	274.0000	408.7382	520.2604	408.7382	408.7382
158.5	0.1221	30.1502	28.2029	30.1502	95.2779	274.0000	408.5168	520.2554	408.5168	408.5168
158.0	0.1325	29.0940	27.2149	29.0940	87.4912	271.0000	408.2956	520.2605	408.2956	408.2956
157.5	0.1327	29.0668	27.1894	29.0668	86.7342	275.0000	408.1949	520.1752	408.1949	408.1949
157.0	0.1284	29.5056	27.5999	29.5056	83.1794	273.0000	408.3098	520.1287	408.3098	408.3098
156.5	0.1230	30.0680	28.1166	30.0680	81.0121	276.0000	408.0251	520.1451	408.0251	408.0251
156.0	0.1174	30.6519	28.6722	30.6519	75.0385	272.0000	407.8470	520.4019	407.8470	407.8470
155.5	0.1187	30.5136	28.5428	30.5136	68.9801	276.0000	407.8614	520.4966	407.8614	407.8614
155.0	0.1177	30.6163	28.6389	30.6163	74.1914	273.0000	407.9786	520.2383	407.9786	407.9786
154.5	0.1177	30.6192	28.6416	30.6192	80.9659	269.0000	408.0913	520.0705	408.0913	408.0913
154.0	0.1069	31.7781	29.7257	31.7781	85.7266	271.0000	408.1690	520.1414	408.1690	408.1690
153.5	0.1053	31.9544	29.8905	31.9544	80.6555	273.0000	408.0898	520.3747	408.0898	408.0898
153.0	0.1131	31.1063	29.0972	31.1063	80.2172	271.0000	408.2794	520.5933	408.2794	408.2794
152.5	0.1156	30.8374	28.8456	30.8374	81.9782	273.0000	408.3686	520.6525	408.3686	408.3686
152.0	0.0917	33.4936	31.3303	33.4936	95.4582	279.0000	408.6573	521.0078	408.6573	408.6573
151.5	0.0899	33.6952	31.5189	33.6952	103.6856	273.0000	408.7338	521.1395	408.7338	408.7338
151.0	0.0924	33.4092	31.2513	33.4092	98.9688	275.0000	408.9094	521.1323	408.9094	408.9094
150.5	0.0871	34.0299	31.8320	34.0299	104.5013	279.0000	408.9632	521.3271	408.9632	408.9632
150.0	0.0855	34.2221	32.0118	34.2221	98.8906	271.0000	408.9184	521.1351	408.9184	408.9184
149.5	0.0838	34.4194	32.1963	34.4194	101.5768	272.0000	409.1241	521.1304	409.1241	409.1241
149.0	0.0930	33.3426	31.1891	33.3426	109.2135	271.0000	409.0186	521.0721	409.0186	409.0186
148.5	0.1009	32.4499	30.3540	32.4499	113.4646	268.0000	408.9538	521.0444	408.9538	408.9538
148.0	0.1168	30.7101	28.7266	30.7101	107.1014	271.0000	408.9518	520.9481	408.9518	408.9518
147.5	0.1273	29.6154	27.7026	29.6154	105.7518	273.0000	408.8417	520.9280	408.8417	408.8417
147.0	0.1304	29.3001	27.4077	29.3001	104.1645	272.0000	408.7145	520.8762	408.7145	408.7145
146.5	0.1348	28.8581	26.9942	28.8581	113.4763	268.0000	408.7101	520.9862	408.7101	408.7101
146.0	0.1440	27.9581	26.1524	27.9581	102.6345	273.0000	408.4828	520.9411	408.4828	408.4828
145.5	0.1441	27.9470	26.1420	27.9470	92.6000	267.0000	408.4820	521.0425	408.4820	408.4820
145.0	0.1329	29.0502	27.1739	29.0502	80.1000	273.0000	408.4331	520.7579	408.4331	408.4331
144.5	0.1407	28.2825	26.4558	28.2825	87.0240	267.0000	408.4915	520.5690	408.4915	408.4915
144.0	0.1467	27.6991	25.9101	27.6991	89.0465	272.0000	408.5989	520.6943	408.5989	408.5989
143.5	0.1436	27.9980	26.1897	27.9980	98.1083	267.0000	408.5676	520.7993	408.5676	408.5676
143.0	0.1348	28.8618	26.9977	28.8618	95.9445	273.0000	408.8717	520.8418	408.8717	408.8717
142.5	0.1269	29.6601	27.7444	29.6601	95.9845	269.0000	408.9060	520.9218	408.9060	408.9060
142.0	0.1406	28.2844	26.4576	28.2844	88.5879	274.0000	408.6683	521.3903	408.6683	408.6683
141.5	0.1410	28.2486	26.4241	28.2486	85.5778	267.0000	408.4659	521.3237	408.4659	408.4659
141.0	0.1277	29.5737	27.6636	29.5737	89.9547	265.0000	408.5074	521.4310	408.5074	408.5074
140.5	0.1202	30.3542	28.3937	30.3542	93.8494	265.0000	408.7654	521.9149	408.7654	408.7654
140.0	0.1214	30.2243	28.2721	30.2243	96.6694	271.0000	408.8759	520.5851	408.8759	408.8759
139.5	0.1464	27.7311	25.9400	27.7311	91.5522	273.0000	408.5269	520.8339	408.5269	408.5269
139.0	0.1613	26.3326	24.6318	26.3326	87.9492	271.0000	408.1494	521.0125	408.1494	408.1494
138.5	0.1724	25.3489	23.7117	25.3489	83.8118	269.0000	408.1421	520.8419	408.1421	408.1421
138.0	0.1785	24.8216	23.2184	24.8216	81.6480	269.0000	408.1637	520.8842	408.1637	408.1637
137.5	0.1937	23.5494	22.0284	23.5494	92.4524	271.0000	408.0355	520.4387	408.0355	408.0355
137.0	0.2061	22.5603	21.1032	22.5603	90.7214	281.0000	408.2784	520.2183	408.2784	408.2784
136.5	0.2260	21.0630	19.7026	21.0630	98.9436	271.0000	407.8210	519.5377	407.8210	407.8210
136.0	0.2497	19.4103	18.1566	19.4103	92.1327	271.0000	407.5499	519.0427	407.5499	407.5499
135.5	0.2916	16.7911	15.7066	16.7911	96.4801	266.0000	406.9352	518.9797	406.9352	406.9352
135.0	0.3192	15.2651	14.2792	15.2651	93.9590	271.0000	406.4998	518.8157	406.4998	406.4998
134.5	0.3590	13.3075	12.4480	13.3075	100.9253	273.0000	406.2011	518.5274	406.2011	406.2011
134.0	0.3719	12.7279	11.9058	12.7279	95.2796	261.0000	405.9076	518.6934	405.9076	405.9076
133.5	0.4045	11.3699	10.6356	11.3699	90.8693	271.0000	405.1648	518.3264	405.1648	405.1648
133.0	0.3836	12.2209	11.4316	12.2209	74.0057	272.0000	405.7224	518.0045	405.7224	405.7224
132.5	0.3961	11.7084	10.9522	11.7084	71.4594	272.0000	406.1031	517.5452	406.1031	406.1031
132.0	0.3835	12.2268	11.4371	12.2268	65.5512	271.0000	405.6774	518.1533	405.6774	405.6774
131.5	0.3490	13.7726	12.8831	13.7726	62.5085	272.0000	405.5361	519.1108	405.5361	405.5361
131.0	0.3074	15.9000	14.8730	15.9000	56.1388	266.0000	406.2088	519.4302	406.2088	406.2088
130.5	0.2779	17.6092	16.4718	17.6092	64.4311	266.0000	406.6869	519.6423	406.6869	406.6869
130.0	0.2565	18.9558	17.7315	18.9558	68.2379	267.0000	407.2979	519.8525	407.2979	407.2979
129.5	0.2359	20.3563	19.0415	20.3563	74.6211	266.0000	407.2489	520.2243	407.2489	407.2489
129.0	0.2204	21.4735	20.0866	21.4735	72.0425	269.0000	407.5320	520.5278	407.5320	407.5320
128.5	0.1880	24.0140	22.4630	24.0140	82.2858	268.0000	408.4560	520.5477	408.4560	408.4560
128.0	0.1676	25.7717	24.1072	25.7717	89.0221	265.0000	409.0725	520.8271	409.0725	409.0725
127.5	0.1373	28.6130	26.7650	28.6130	91.8101	276.0000	409.4286	521.6038	409.4286	409.4286
127.0	0.1185	30.5318	28.5598	30.5318	86.3440	273.0000	409.7716	521.8863	409.7716	409.7716
126.5	0.1137	31.0416	29.0386	31.0436	83.7313	271.0000	409.8920	522.5279	409.8920	409.8920
126.0	0.1151	30.8874	28.8935	30.8874	81.3304	268.0000	409.7576	522.5365	409.7576	409.7576
125.5	0.1287	29.4727	27.5691	29.4727	89.5356	268.0000	409.8526	522.4524	409.8526	409.8526
125.0	0.1072	31.7478	29.6973	31.7478	93.9003	274.0000	409.8550	521.7408	409.8550	409.8550
124.5	0.1330	29.0427	27.1669	29.0427	93.9665	273.0000	409.7091	521.2760	409.7091	409.7091
124.0	0.2081	22.4063	20.9591	22.4063	88.3262	273.0000	409.2705	526.4700	409.2705	409.2705
123.5	0.3726	12.6957	11.8757	12.6957	89.0480	274.0000	413.9072	526.3599	413.9072	413.9072
123.0	0.2946	16.6196	15.5462	16.6196	97.2654	267.0000	414.1331	526.1092	414.1331	414.1331
122.5	0.3008	16.2663	15.2157	16.2663	102.0819	266.0000	414.2776	526.1672	414.2776	414.2776
122.0	0.3318	14.6187	13.6745	14.6187	107.8313	271.0000	413.8468	526.4335	413.8468	413.8468
121.5	0.3569	13.4049	12.5391	13.4049	109.5412	271.0000	413.2738	526.8498	413.2738	413.2738
121.0	0.0909	33.5836	31.4145	33.5836	108.8027	271.0000	412.6694	526.4371	412.6694	412.6694
120.5	0.0731	35.7151	33.4084	35.7151	98.3417	265.0000	411.6545	526.3119	411.6545	411.6545
120.0	0.1412	28.2292	26.4060	28.2292	81.0718	258.0000	409.6183	523.3683	409.6183	409.6183
119.5	0.1706	25.5080	23.8605	25.5080	64.6492	273.0000	409.7115	523.1566	409.7115	409.7115
119.0	0.1829	24.4397	22.8612	24.4397	53.8656	263.0000	409.0016	521.7178	409.0016	409.0016
118.5	0.2109	22.1900	20.7568	22.1900	55.5693	261.0000	408.5060	521.2739	408.5060	408.5060
118.0	0.2062	22.5566	21.0997	22.5566	60.2573	268.0000	408.7244	521.0527	408.7244	408.7244
117.5	0.2206	21.4596	20.0736	21.4596	71.9414	273.0000	408.4536	520.8593	408.4536	408.4536
117.0	0.2444	19.7687	18.4919	19.7687	79.1926	268.0000	408.3425	520.5244	408.3425	408.3425
116.5	0.2430	19.8600	18.5773	19.8600	88.1898	269.0000	408.3536	520.5818	408.3536	408.3536
116.0	0.2564	18.9615	17.7368	18.9615	88.1898	266.0000	408.3074	520.4346	408.3074	408.3074
115.5	0.2694	18.1298	16.9589	18.1298	92.9258	265.0000	408.7310	520.5521	408.7310	408.7310
115.0	0.2727	17.9237	16.7660	17.9237	93.0163	263.0000	408.8633	520.8491	408.8633	408.8633
114.5	0.2830	17.3010	16.1836	17.3010	96.4783	268.0000	408.7013	520.7985	408.7013	408.7013
114.0	0.2889	16.9535	15.8586	16.9535	91.6834	269.0000	408.8747	520.6256	408.8747	408.8747
113.5	0.2823	17.3419	16.2219	17.3419	94.2799	272.0000	408.8603	521.1082	408.8603	408.8603
113.0	0.3043	16.0756	15.0373	16.0756	87.0116	272.0000	408.6048	521.4163	408.6048	408.6048
112.5	0.2621	18.5922	17.3913	18.5922	89.1161	273.0000	409.3571	521.8475	409.3571	409.3571
112.0	0.2649	18.4137	17.2244	18.4137	81.8594	273.0000	409.5391	521.7194	409.5391	409.5391
111.5	0.2617	18.6210	17.4183	18.6210	87.0393	273.0000	409.6408	521.7685	409.6408	409.6408
111.0	0.2727	17.9273	16.7695	17.9273	82.2972	267.0000	409.6894	521.2117	409.6894	409.6894
110.5	0.3025	16.1734	15.1288	16.1734	79.7007	261.0000	409.4330	520.6712	409.4330	409.4330
110.0	0.3390	14.2602	13.3391	14.2602	75.2904	266.0000	408.7145	520.4017	408.7145	408.7145
109.5	0.3559	13.4484	12.5798	13.4484	74.4541	261.0000	408.2733	520.2105	408.2733	408.2733
109.0	0.3641	13.0721	12.2278	13.0721	70.9070	259.0000	408.1015	519.6312	408.1015	408.1015
108.5	0.3997	11.5603	10.8136	11.5603	71.1472	276.0000	407.7790	519.7457	407.7790	407.7790
108.0	0.3899	12.0023	11.2271	12.0023	75.5202	261.0000	407.6906	519.6081	407.6906	407.6906
107.5	0.3935	11.8107	11.0479	11.8107	79.5321	261.0000	407.7938	519.4121	407.7938	407.7938
107.0	0.3687	12.8662	12.0352	12.8662	81.2280	260.0000	408.0502	518.7053	408.0502	408.0502
106.5	0.3800	12.3757	11.5764	12.3757	82.8263	258.0000	408.1906	518.6236	408.1906	408.1906
106.0	0.4281	10.4821	9.8050	10.4821	89.2856	269.0000	407.6929	518.0377	407.6929	407.6929
105.5	0.4867	8.5601	8.0072	8.5601	95.8335	264.0000	407.3826	517.9571	407.3826	407.3826
105.0	0.5261	7.4734	6.9907	7.4734	96.6153	264.0000	406.7382	517.8649	406.7382	406.7382
104.5	0.5559	7.0715	6.6141	7.0715	101.0883	273.0000	406.6162	518.0220	406.6162	406.6162
104.0	0.5841	6.1153	5.7203	6.1153	99.9131	268.0000	407.1243	518.6703	407.1243	407.1243
103.5	0.6153	5.4907	5.1361	5.4907	93.3307	269.0000	408.0224	518.7463	408.0224	408.0224
103.0	0.5963	5.8634	5.4847	5.8634	82.9615	269.0000	408.6563	519.4144	408.6563	408.6563
102.5	0.5936	5.9180	5.5357	5.9180	82.1628	273.0000	409.4302	520.6441	409.4302	409.4302
102.0	0.5922	5.9479	5.5637	5.9479	82.1920	264.0000	409.6902	521.0059	409.6902	409.6902
101.5	0.5758	6.2949	5.8883	6.2949	83.4560	266.0000	410.4741	521.9730	410.4741	410.4741
101.0	0.5896	6.0012	5.6136	6.0012	81.8008	266.0000	410.4567	522.2850	410.4567	410.4567
100.5	0.6179	5.4416	5.0901	5.4416	94.3649	266.0000	409.9462	522.0353	409.9462	409.9462
100.0	0.6521	4.8366	4.5243	4.8366	103.9263	263.0000	410.1220	522.1843	410.1220	410.1220
99.5	0.6001	5.7864	5.4127	5.7864	102.7694