Citation: "Chang, AS et al. (2014): (S1) Sampling depths, calendar ages and geochemistry for sediment core MD02-2515, Guaymas Basin, Gulf of California.
"

"In supplement to: Chang, Alice S; Pichevin, Laetitia; Pedersen, Thomas F; Gray, Victoria; Ganeshram, Raja (2014): New insights into productivity and redox-controlled trace element (Ag, Cd, Re, Mo) accumulation in a 55-kyr long sediment record from Guaymas Basin, Gulf of
California."

Coverage: LATITUDE: 27.4835 * LONGITUDE:
-112.07433

DATE/TIME START: 2002-06-13T04:02:00 * DATE/TIME END:
2002-06-13T06:30:00

"DEPTH, water: 881
m"

Comment: "Project: International Marine Global ChangesÐMarges Ouest Nord AmŽricanes (IMAGESÐMONA) coring program, MD 126 MONA, IMAGES VIII. Contribution to the Polar Climate Stability Network of the Canadian Foundation for Climate and Atmospheric Sciences."

Event(s): "MD02-2515 core * LATITUDE: 27.4835 * LONGITUDE: -112.07433 * DATE/TIME START: 2002-06-13T04:02:00 * DATE/TIME END: 2002-06-13T06:30:00 * ELEVATION: -881 m * LOCATION: Gulf of California, Mexico * DEVICE: corer * COMMENT: Calypso II piston corer, diameter 10
cm"

Parameter(s): # Name Short name Unit Principal Investigator Method Comment

1	"Depth, core"	Depth core	cm			
2	"Depth, core, void-corrected"	"Depth core, void-corr."	cm			
3	"Age, calendar years"	Age	yr BP	Laetitia Pichevin (laetitia.pichevin@ed.ac.uk)	calculated	calibrated and interpolated radiocarbon ages
4	Sedimentation rate	Sed. Rate	cm/kyr	Laetitia Pichevin (laetitia.pichevin@ed.ac.uk)	calculated	
5	"Nitrogen, total"	TN	%	Laetitia Pichevin (laetitia.pichevin@ed.ac.uk)	measured	
6	"Carbon, organic, total"	OC	%	Laetitia Pichevin (laetitia.pichevin@ed.ac.uk)	measured	
7	"delta 15N, bulk sediment"	d15N	"ä, air"	Laetitia Pichevin (laetitia.pichevin@ed.ac.uk)	measured	
8	"delta 13C, organic carbon"	d13C	"ä, PDB"	Laetitia Pichevin (laetitia.pichevin@ed.ac.uk)	measured	
9	"Opal, biogenic silica"	Opal	%	Laetitia Pichevin (laetitia.pichevin@ed.ac.uk)	calculated	
10	Silver	Ag	ng/g	Alice Chang (alice.chang@ubc.ca)	measured	
11	Cadmium	Cd	µg/g	Alice Chang (alice.chang@ubc.ca)	measured	
12	Rhenium	Re	ng/g	Alice Chang (alice.chang@ubc.ca)	measured	
13	Molybdenum	Mo	µg/g	Alice Chang (alice.chang@ubc.ca)	measured	
14	"Carbon, organic, opal-free"	"OC, opal-free"	%	Alice Chang		

(alice.chang@ubc.ca) calculated
15 "Silver, opal-free" "Ag, opal-free" ng/g Alice Chang
(alice.chang@ubc.ca) calculated
16 "Cadmium, opal-free" "Cd, opal-free" µg/g Alice Chang
(alice.chang@ubc.ca) calculated
17 "Rhenium, opal-free" "Re, opal-free" ng/g Alice Chang
(alice.chang@ubc.ca) calculated
18 "Molybdenum, opal-free" "Mo, opal-free" µg/g Alice Chang
(alice.chang@ubc.ca) calculated
19 Aluminum Al % Alice Chang (alice.chang@ubc.ca)
calculated calculated from oxide concentrations from Cheshire and Thurow
[2013]
20 Iron Fe % Alice Chang (alice.chang@ubc.ca)
calculated calculated from oxide concentrations from Cheshire and Thurow
[2013]
21 Manganese Mn ppm Alice Chang (alice.chang@ubc.ca)
calculated calculated from oxide concentrations from Cheshire and Thurow
[2013]
22 Iron/Aluminum ratio Fe/Al Alice Chang
(alice.chang@ubc.ca) calculated
23 Manganese/Aluminum ratio Mn/Al *10^-3 Alice Chang
(alice.chang@ubc.ca) calculated
24 "Carbon, organic/Aluminum ratio" OC/Al *10^-1 Alice Chang
(alice.chang@ubc.ca) calculated determined using OC sample data closest in age
to Al sample data
25 Silver/Aluminum ratio Ag/Al *10^-6 Alice Chang
(alice.chang@ubc.ca) calculated determined using trace element sample data
closest in age to Al sample
data

26 Cadmium/Aluminum ratio Cd/Al *10^-5 Alice Chang
(alice.chang@ubc.ca) calculated determined using trace element sample data
closest in age to Al sample
data

27 Rhenium/Aluminum ratio Re/Al *10^-7 Alice Chang
(alice.chang@ubc.ca) calculated determined using trace element sample data
closest in age to Al sample
data

28 Molybdenum/Aluminum ratio Mo/Al *10^-4 Alice Chang
(alice.chang@ubc.ca) calculated determined using trace element sample data
closest in age to Al sample
data

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28
Depth core [cm] "Depth core, void-corr [cm]" Age [yr BP] Sed. Rate [cm/kyr]
TN [%] OC [%] "d15N [ä, air]" "d13C [ä, PDB]" Opal [%] Ag [ng/g] Cd
[µg/g] Re [ng/g] Mo [µg/g] "OC, opal-free [%]" "Ag, opal-free [ng/g]"
"Cd, opal-free [µg/g]" "Re, opal-free [ng/g]" "Mo, opal-free [µg/g]" Al [%] Fe [%]
Mn [ppm] Fe/Al Mn/Al [*10^-3] OC/Al [*10^-1] Ag/Al [*10^-6] Cd/Al [*10^-5]
Re/Al [*10^-7] Mo/Al [*10^-4]
3.5 183.5 6789 166 0.23 2.66 10.1 -19.9
44.7
4.8

8 188 6816 166 0.23 2.55 9.1 -20.1 47.9 337 1.27
14.5 6.4 4.9 648 2.4 27.8
12.2
12 192 6841 166 0.26 2.75 10.4 -19.9
35.2
4.2

17 197 6871 166 0.27 2.82 10.1 -19.8 32.3 316 1.36

```
16.7    7.0     4.2     466     2.0     24.7
10.3
22      202     6901    166     0.33    3.25    10.4    -20.2
30.4
4.7

24.4    204.4   6915
166
                        3.87    1.63    77      0.42
2.00
27      207     6931    166     0.25    2.83    10.3    -20.1   38.8    396     1.38
17.5    7.7     4.6     647     2.2     28.6
12.6                                    7.3     10.2    3.6     4.5     2.0
32      212     6961    166     0.23    2.51    9.9     -19.9
36.7
4.0

37      217     6991    166     0.25    2.72    9.9     -20.0   28.3    322     0.91
14.0    6.2     3.8     449     1.3     19.6
8.7
42      222     7022    166     0.27    2.91    10.4    -20.3
28.2
4.1

47      227     7052    166     0.33    3.19    10.3    -20.1   31.7    411     1.50
19.9    8.9     4.7     602     2.2     29.1
13.0
52      232     7082    166     0.25    2.90    9.8     -20.2
38.4
4.7

57      237     7112    166     0.25    2.70    10.6    -20.1   33.9    324     1.48
14.9    8.5     4.1     490     2.2     22.5
12.9
62      242     7142    166     0.24    3.02    9.5     -20.1
34.5
4.6

67      247     7173    166     0.31    3.10    10.5    -19.9   33.6    415     1.66
18.4    7.4     4.7     625     2.5     27.8
11.1
72      252     7203    166     0.25    2.84    9.8     -20.0
39.0
4.7

75      255     7221
166
                        3.71    1.59    77      0.43
2.09
77      257     7233    166     0.19    2.57    9.8     -19.9   38.9    309     1.97
15.4    6.6     4.2     505     3.2     25.3
10.8                                    6.9     8.3     5.3     4.2     1.8
82      262     7263    166     0.24    2.62    10.1    -20.3
30.3
3.8

87      267     7293    166     0.22    2.66    9.4     -20.1   27.3    295     1.04
13.8    5.3     3.7     406     1.4     19.0
7.4
92      272     7324    166     0.22    2.54    9.2     -20.2
33.6
3.8

97      277     7354    166     0.27    2.89    10.2    -20.3   25.0    300     1.35
16.1    5.7     3.9     400     1.8     21.5
7.6
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102     282     7384    166     0.28    3.17    10.3    -19.9
29.0
4.5

107     287     7414    166     0.32    3.47    10.2    -19.9   39.3    401     2.10
23.8    8.3     5.7     661     3.5     39.2
13.7
112     292     7444    166     0.34    3.47    10.2    -20.1
30.2
5.0

117     297     7475    166     0.19    2.64    9.3     -20.4   42.0    278     1.74
13.9    6.0     4.6     480     3.0     24.0
10.4
122     302     7505    166     0.24    2.69    10.1    -20.2
43.5
4.8

127     307     7535    166     0.26    2.87    10.2    -20.5   14.3    297     1.37
16.9    6.2     3.3     347     1.6     19.8
7.2                                             7.6     3.5     4.3     1.6
130     310     7553
166
                        3.91    1.71    155     0.44
3.97
132     312     7565    166     0.28    2.86    10.0    -20.7
39.3
4.7
7.3
137     317     7595    166     0.27    3.00    10.2    -20.4   37.9    299     1.40
16.9    6.7     4.8     482     2.3     27.2
10.8
142     322     7625    166     0.26    2.80    10.7    -20.5
33.9
4.2

146.75  326.75  7654    166     0.23    2.60    10.8    -20.5   34.3    258     1.43
15.2    4.9     4.0     392     2.2     23.1
7.4
151.5   331.5   7683    166     0.28    2.93    10.3    -20.4
31.4
4.3

156.5   336.5   7713    166     0.32    3.42    10.8    -20.2   31.7    385     1.86
21.7    7.0     5.0     564     2.7     31.8
10.3
161.5   341.5   7743    166     0.26    2.92    10.5    -20.5
33.7
4.4

166.5   346.5   7773    166     0.29    3.14    10.4    -20.2   42.0    281     2.09
17.4    7.8     5.4     484     3.6     30.0
13.4
171.5   351.5   7804    166     0.25    2.84    10.5    -20.4
37.1
4.5

174     354     7819
166
                        4.02    1.63    77      0.41
1.93
176.5   356.5   7834    166     0.29    2.90    10.6    -20.8   23.0    315     1.75
19.2    6.4     3.8     409     2.3     24.9
8.3                                             7.2     7.8     4.3     4.8     1.6
181.5   361.5   7864    166     0.25    2.86    9.5     -20.8
36.8
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4.5

186.5   366.5   7894    166     0.30    2.92    10.9    -20.6   37.0    267     1.32
17.9    5.7     4.6     424     2.1     28.5
9.1
191.5   371.5   7924    166     0.28    3.02    10.2    -20.6
38.8
4.9

196.5   376.5   7955    166     0.28    2.97    10.4    -20.8   36.0    294     1.60
17.8    6.8     4.6     459     2.5     27.8
10.6
201.5   381.5   7985    166     0.30    3.05    10.4    -20.8
39.7
5.1

206.5   386.5   8015    166     0.28    2.87    10.1    -20.9   30.6    354     1.27
15.0    5.3     4.1     510     1.8     21.6
7.7
211.5   391.5   8045    166     0.27    2.81    10.3    -20.4
31.8
4.1

216.5   396.5   8075    166     0.28    2.93    10.1    -20.5   34.3    259     1.39
17.3    5.4     4.5     394     2.1     26.3
8.2
221.5   401.5   8106    166     0.30    3.07    10.0    -20.5
24.4
4.1

224     404     8121
166
                        4.36    1.99    155     0.46
3.56
226.5   406.5   8136    166     0.28    2.83    9.6     -20.7   42.4    293     1.54
17.5    7.0     4.9     510     2.7     30.3
12.2                                    6.5     6.7     3.5     4.0     1.6
231.5   411.5   8166    166     0.27    2.88    9.5     -19.9
41.0
4.9

236.5   416.5   8196    166     0.24    2.54    8.4     -21.0   36.4    269     1.36
16.8    6.2     4.0     423     2.1     26.4
9.7
241.5   421.5   8226    166     0.23    2.66    8.0     -20.8
35.4
4.1

241.5   421.5   8226    166     0.29    2.70    10.2
-20.3

246.5   426.5   8257    113     0.23    2.64    8.0     -20.6   38.1    244     1.37
18.4    6.2     4.3     395     2.2     29.8
10.1
251.5   431.5   8301    113     0.23    2.45    8.6     -21.0
39.5
4.1

256.5   436.5   8345    113     0.25    2.67    9.2     -20.6   34.2    334     1.58
14.9    6.6     4.1     508     2.4     22.7
10.0
259.75  439.75  8374    113     0.22    2.58    9.1     -21.0
30.1
3.7

262.5   442.5   8398    113     0.29    2.98    9.7     -20.8   37.8    388     2.01
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21.2    7.1     4.8     623     3.2     34.0
11.4
266.5   446.5   8434    113     0.21    2.46    9.1
-21.1

271.5   451.5   8478    113     0.27    2.76    8.7     -20.8   42.8    292     1.55
17.0    5.9     4.8     510     2.7     29.8
10.4                                                    8.1     4.3     4.7     1.6
274     454     8500
113
                                3.61    1.53    77      0.42
2.15
276.5   456.5   8523    113     0.25    2.68    9.4     -20.8
43.5
4.7
7.4
281.5   461.5   8567    113     0.31    3.09    10.0    -19.9   38.8    364     1.80
17.4    6.3     5.0     595     2.9     28.5
10.4
281.5   461.5   8567    113     0.34    3.08    10.9
-19.7

286.5   466.5   8611    113     0.23    2.53    8.6     -20.7
42.1
4.4

291.5   471.5   8656    113     0.30    3.13    9.1     -20.5   34.7    390     1.95
16.5    7.9     4.8     597     3.0     25.3
12.1
296.75  476.75  8702    113     0.24    2.47    8.9     -20.7
29.5
3.5

301.5   481     8740    113     0.27    2.70    10.2    -20.2   40.1    324     2.43
13.3    6.0     4.5     541     4.1     22.1
9.9
301.5   481     8740    113     0.28    2.70    10.5
-19.9

306.5   486     8784    113     0.25    2.65    9.9     -20.2
44.4
4.8

312.75  492.25  8840    113     0.31    3.04    10.0    -20.4   33.2    375     1.87
23.8    9.4     4.5     561     2.8     35.7
14.1
316.5   496     8873    113     0.27    2.84    9.6     -20.4
37.3
4.5

321.75  501.25  8919    113     0.31    3.17    10.1    -20.0   40.1    385     2.88
16.9    14.1    5.3     643     4.8     28.2
23.5                                                    7.6     9.2     6.9     4.1     3.4
321.75  501.25  8919    113     0.33    3.19    10.6
-19.7

324     503.5   8939
113
                                4.18    1.84    155     0.44
3.71
326.5   506     8961    113     0.30    3.10    9.6     -20.0
34.9
4.8

331.5   511     9006    113     0.30    3.00    9.3     -20.3   28.9    335     2.15
17.8    5.5     4.2     471     3.0     25.1
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7.7
336.5   516     9050    113     0.29    2.93    8.4     -20.2
37.5
4.7

342     519.5   9081    113     0.29    3.03    9.1     -20.0   41.5    334     1.57
17.7    6.5     5.2     572     2.7     30.3
11.1
348     524.3   9124    113     0.30    2.76    9.0     -20.3
39.7
4.6

352.25  528.55  9161    113     0.29    2.80    9.0     -20.3   24.3    303     1.20
16.3    4.5     3.7     400     1.6     21.5
6.0
355.5   531.8   9190    113     0.25    2.52    8.9     -20.3
30.9
3.7

355.5   531.8   9190    113     0.28    2.48    9.9
-20.0

373     538.3   9248    113     0.30    2.98    9.3     -20.1   35.3    323     1.42
17.5    7.2     4.6     499     2.2     27.1
11.2                                                    7.3     3.2     3.9     1.6
375.5   540.8   9270
113
                        4.44    1.78    155     0.40
3.49
376.5   541.8   9279    113     0.29    2.76    8.7     -20.2
34.1
4.2
6.2
381.5   546.8   9323    113     0.29    2.64    8.8     -20.2   38.0    302     1.16
16.0    6.2     4.3     487     1.9     25.8
10.1
386.5   551.8   9368    113     0.31    2.88    9.2     -20.1
34.8
4.4

391.5   556.8   9412    113     0.31    2.68    8.8     -20.2   29.3    378     2.31
20.7    6.6     3.8     535     3.3     29.3
9.3
396.5   561.8   9456    113     0.28    2.69    8.6     -20.2
28.0
3.7

401.5   566.8   9501    113     0.28    2.91    8.7     -20.2   30.5    329     1.30
18.2    5.8     4.2     473     1.9     26.1
8.4
405.5   570.8   9536    113     0.32    2.89    8.5     -20.1
28.5
4.0

411.5   576.8   9589    113     0.33    3.03    8.7     -19.9   36.3    329     1.63
19.5    7.2     4.8     517     2.6     30.6
11.3
416.5   581.8   9634    113     0.32    3.02    8.7     -19.9
29.7
4.3

421.5   586.8   9678    113     0.32    2.88    9.0     -20.1   25.0    318     1.70
17.1    5.2     3.8     424     2.3     22.8
6.9                                                     6.9     3.7     3.7     1.1
421.5   586.8   9678    113     0.32    2.87    10.0
-19.8
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424     589.3   9700
113
                                4.59    2.11    155     0.46
3.38
425.5   590.8   9713    113     0.33    2.91    8.7     -20.3
25.3
3.9
6.3
431.5   596.8   9767    113     0.32    2.96    9.5     -20.4   30.9    356     1.60
20.0    7.1     4.3     588     2.6     33.1
11.7
493.75  609.05  9875    113     0.32    3.02    10.8    -20.0
26.0
4.1

498.5   613.8   9917    113     0.28    2.67    10.6    -20.4   32.6    356     1.12
17.3    6.2     4.0     528     1.7     25.7
9.2
501.5   616.8   9944    113     0.26    2.57    10.4    -20.9
25.6
3.5

506.5   621.8   9988    113     0.31    2.87    10.7    -20.5   28.4    323     1.02
18.4    6.0     4.0     451     1.4     25.7
8.3
511.5   626.8   10033   113     0.33    3.15    10.8    -20.3
22.1
4.0
6.7
513.5   628.8   10050
113
                                4.74    2.02    155     0.43
3.27
516.5   631.8   10077   177     0.31    2.82    10.7    -20.5   24.3    369     1.18
17.6    6.6     3.7     487     1.6
8.8                                                     7.8     2.5     3.7     1.4
521.5   636.8   10105   177     0.31    2.87    10.4    -20.2
25.4
3.8

526.5   641.8   10134   177     0.30    2.66    10.1    -20.2   31.8    335     1.20
17.2    6.4     3.9     491     1.8     25.3
9.3
530.5   645.8   10156   177     0.29    2.65    10.1    -20.2
26.5
3.6

536.5   651.1   10187   177     0.30    2.78    11.1    -20.4   24.8    362     1.98
18.7    6.6     3.7     482     2.6     24.9
8.8
541.5   656.1   10215   177     0.30    2.71    10.5    -20.3
30.0
3.9

546.5   661.1   10243   177     0.29    2.71    10.2    -20.5   22.3    379     1.41
17.7    6.5     3.5     487     1.8     22.8
8.4
551.5   666.1   10272   177     0.29    2.93    10.3    -20.8
21.5
3.7
5.7
554     668.6   10286
177
                                5.11    2.25    155     0.44
3.03
```

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557.5   672.1   10306   177     0.26    2.42    10.6    -20.9   24.7    330     1.17
16.6    5.1     3.2     439     1.6     22.0
6.8                                             6.5     2.3     3.2     1.0
561.5   676.1   10328   177     0.27    2.57    11.0    -20.8
21.6
3.3

566     680.6   10354   177     0.31    3.09    11.3    -20.7   25.6    436     1.58
22.0    7.3     4.2     585     2.1     29.6
9.8
572.5   686.1   10385   177     0.29    2.92    10.8    -20.9
26.4
4.0

576.5   690.1   10408   177     0.29    2.71    11.1    -20.9   24.9    398     1.45
19.4    6.7     3.6     530     1.9     25.8
9.0
581.5   695.1   10436   177     0.29    2.76    11.3    -21.2
23.6
3.6

586.5   700.1   10465   177     0.32    3.01    11.4    -20.9   32.7    347     1.54
19.5    7.4     4.5     515     2.3     29.0
11.0
591.5   705.1   10493   177     0.26    2.68    11.0    -20.9
42.4
4.6

596.5   710.1   10521   177     0.31    2.92    11.7    -21.4   30.5    379     1.43
17.4    7.1     4.2     546     2.1     25.0
10.2                                    6.0     7.8     2.9     3.6     1.5
599     712.6   10535
177
                        4.85    2.07    155     0.43
3.19
601.5   715.1   10550   177     0.27    2.64    11.0    -20.8
29.1
3.7

611.5   725.1   10606   177     0.27    2.63    11.2    -21.1   25.8    330     1.19
15.1    6.1     3.5     444     1.6     20.3
8.3
616.5   730.1   10635   177     0.28    2.69    11.6    -21.2
33.3
4.0

620.5   734.1   10657   177     0.29    2.56    11.6    -21.3   30.2    311     1.60
17.5    5.2     3.7     445     2.3     25.1
7.5
626.5   740.1   10692   177     0.29    2.59    12.0    -21.3
24.6
3.4

631.5   745.1   10720   177     0.28    2.64    11.9    -21.6   30.6    358     1.31
17.9    6.0     3.8     515     1.9     25.7
8.7
636.5   750.1   10748   177     0.32    2.96    11.9    -20.9
17.0
3.6

959.00  766.6   10842
177
                        4.86    1.96    155     0.40
3.19
959.5   767.1   10845   177     0.29    2.70    11.4    -20.6   37.7    397     1.82
16.8    8.3     4.3     637     2.9     26.9
```

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13.2                                                    5.6     8.2     3.8     3.5     1.7
966.5   774.1   10884   177     0.29    2.68    11.9    -20.8
24.7
3.6

971.5   779.1   10913   177     0.30    2.81    11.8    -20.5   36.4    380     1.80
18.7    6.8     4.4     597     2.8     29.4
10.8
976.5   784.1   10941   177     0.29    2.65    11.2    -20.4
31.1
3.8

981.5   789.1   10970   177     0.32    2.68    12.2    -20.5   34.5    378     1.58
17.0    6.6     4.1     578     2.4     26.0
10.1
986.5   794.1   10998   177     0.28    2.60    11.9    -20.6
28.9
3.7
5.6
989     796.6   11012
177
                                4.66    1.83    155     0.39
3.32
991.5   799.1   11026   177     0.30    2.81    11.8    -20.9   32.0    379     2.07
16.4    7.5     4.1     557     3.0     24.0
11.1                                                    8.1     4.4     3.5     1.6
996.5   804.1   11055   177     0.29    2.91    11.0    -20.7
33.4
4.4

1001.5  809.1   11083   177     0.29    2.89    11.0    -20.2   30.1    413     2.13
18.8    8.9     4.1     592     3.0     26.9
12.7
1006.5  814.1   11111   177     0.27    2.56    10.9    -20.3
27.1
3.5

1011.5  819.1   11140   177     0.26    2.51    11.3    -20.4   32.1    367     1.61
14.9    6.1     3.7     540     2.4     21.9
9.0
1016.5  824.1   11168   177     0.28    2.57    10.6    -20.5
31.7
3.8

1021.5  829.1   11197   177     0.28    2.71    10.3    -20.4   23.5    422     1.47
20.7    6.8     3.5     552     1.9     27.0
8.9                                                     5.7     8.9     3.1     4.3     1.4
1023.5  831.1   11208
177
                                4.75    2.04    155     0.43
3.26
1026.5  834.1   11225   177     0.25    2.44    10.5    -20.3
31.2
3.5

1031.5  839.1   11253   177     0.26    2.54    10.5    -20.0   31.2    365     1.30
21.6    7.3     3.7     531     1.9     31.4
10.6
1036.5  844.1   11282   177     0.28    2.70    10.6    -20.2
33.9
4.1

1038.5  846.1   11293   107     0.30    3.02    10.2    -19.7   31.3    423     1.91
27.4    9.1     4.4     616     2.8     39.8
13.3
1041.5  849.1   11321   107     0.26    2.69    10.1    -20.3
```

```
27.5
3.7

1046.5  854.1   11368   107     0.27    2.97    10.7    -20.0   13.2    484     2.50
38.7    6.9     3.4     557     2.9     44.6
8.0
1052.5  860.6   11429   107     0.28    2.94    10.6    -20.1
16.3
3.5

1056.5  864.6   11466   107     0.31    3.13    10.8    -20.0   17.0    448     2.37
41.9    9.5     3.8     540     2.9     50.4
11.4
1061.5  869.6   11513   107     0.31    3.10    10.4    -19.9
14.2
3.6

1066.5  874.6   11560   107     0.29    3.03    10.9    -20.0   14.1    427     2.28
45.5    9.0     3.5     497     2.7     53.0
10.5
1071.5  879.6   11607   107     0.31    3.03    10.8    -19.9
14.2
3.5
5.3
1073.5  881.6   11626
107
                                5.74    2.43    155     0.42
2.70
1076.5  884.6   11654   107     0.36    3.07    10.3    -19.9   16.3    468     2.48
49.0    11.5    3.7     559     3.0     63.2
13.8                                                    8.2     4.3     8.5     2.0
1081.5  889.6   11701   107     0.33    3.06    10.4    -20.0
15.0
3.6

1086.5  894.6   11747   107     0.36    3.01    10.7    -20.0   15.6    444     2.39
41.4    12.7    3.6     526     2.8     49.1
15.0
1091.5  899.6   11794   107     0.36    2.98    10.8    -19.8
17.0
3.6

1096.5  904.6   11841   107     0.34    2.91    10.6    -20.1   13.0    422     2.16
35.2    11.3    3.3     485     2.5     40.5
13.0
1101.5  909.6   11888   107     0.32    2.81    10.0    -19.8
17.2
3.4

1106.5  914.6   11935   107     0.29    2.70    10.2    -19.8   17.6    388     1.74
24.3    13.4    3.3     471     2.1     29.5
16.2
1111.5  919.6   11982   107     0.30    2.63    10.6    -19.7
25.8
3.5

1116.5  924.6   12029   107     0.31    2.86    10.5    -19.7   27.7    327     2.27
27.1    12.3    4.0     452     3.1     37.5
17.0
1121.5  929.6   12075   107     0.32    2.85    10.7    -19.5
20.9
3.6

1123.5  931.6   12094
107
                                5.17    2.08    155     0.40    3.00
```

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5.5
1126.5  934.6   12122   107     0.33    2.67    11.8    -19.4   30.1    387     2.30
22.2    12.4    3.8     554     3.3     31.8
17.8                                                    7.5     4.4     4.3     2.4
1131.5  939.6   12169   107     0.29    2.71    11.1    -19.5
21.5
3.5

1136.5  944.6   12216   107     0.28    2.63    11.7    -20.2   20.1    525     1.79
21.5    13.0    3.3     656     2.2     26.9
16.2
1141.5  949.6   12263   107     0.34    2.82    12.1    -19.7
31.0
4.1

1146.5  954.6   12310   107     0.33    2.89    12.3    -19.0   30.6    364     2.58
19.3    12.5    4.2     524     3.7     27.8
18.0
1146.5  954.6   12310   107     0.30    2.96    11.5
-19.1

1151.5  959.6   12357   107     0.30    2.72    11.8    -20.4
21.1
3.4

1151.5  959.6   12357   107     0.28    2.71    11.8    -20.4
32.7
4.0

1156.5  964.6   12403   107     0.30    2.71    11.4    -20.0           382     1.96
16.0
11.3

1161.5  969.6   12450   107     0.32    2.67    11.9    -20.2
29.8
3.8

1166.5  974.6   12497   107     0.33    2.70    11.9    -20.1   33.2    357     1.74
15.2    10.7    4.0     535     2.6     22.8
16.0
1171.5  979.6   12544   107     0.32    2.74    12.9    -19.4
32.8
4.1
5.6
1173.5  981.6   12563
107
                                4.87    2.05    155     0.42
3.18
1176.5  984.6   12591   107     0.31    2.56    13.1    -19.4   32.0    367     3.08
16.9    16.0    3.8     540     4.5     24.9
23.5                                                    7.5     6.3     3.5     3.3
1181.5  989.6   12638   107     0.31    2.60    12.6    -20.2
31.4
3.8

1186.5  994.6   12685   107     0.34    2.58    12.6    -20.3   28.6    424     2.07
17.2    10.3    3.6     594     2.9     24.1
14.4
1191.5  999.6   12731   107     0.31    2.47    12.9    -19.8
40.5
4.1

1196.5  1004.6  12778   107     0.29    2.54    12.0    -19.8   38.3    373     2.79
16.6    9.5     4.1     732     5.0     30.1
17.1
1196.5  1004.6  12778   107     0.29    2.61    12.5
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-20.1

1202.5  1010.4  12833   107     0.33    2.70    12.8    -19.6
34.7
4.1

1206.5  1014.4  12870   107     0.32    2.59    12.6    -19.7   37.1    422     3.78
14.8    11.0    4.1     794     6.2     28.0
18.8
1211.5  1019.4  12917   107     0.32    2.80    12.4    -19.6
36.2
4.4

1216.5  1024.4  12964   107     0.35    2.66    12.3    -19.7   38.1    348     2.53
13.4    10.6    4.3     561     4.1     21.7
17.1
1222.5  1030.4  13020   107     0.27    2.27    11.6    -20.1
28.0
3.1

1227    1034.9  13062
107
                                4.31    1.73    155     0.40
3.60
1228.5  1036.4  13076   107     0.30    2.43    12.6    -20.0   32.8    398     1.38
14.1    8.8     3.6     592     2.1     20.9
13.1                                            5.6     9.2     3.2     3.3     2.0
1230.5  1038.4  13095   107     0.27    2.11    12.7    -20.3
32.8
3.1

1236.5  1044.4  13151   107     0.31    2.38    12.2    -20.0   35.0    375     1.91
13.0    8.5     3.7     577     2.9     19.9
13.1
1241.5  1049.4  13198   107     0.30    2.58    12.5    -20.0
36.1
4.0

1246.5  1054.4  13245   107     0.27    2.35    12.7    -19.3   36.3    347     2.11
13.9    8.3     3.7     545     3.3     21.8
13.1
1251.5  1059.4  13292   107     0.26    2.36    12.4    -20.7
36.9
3.7

1256.5  1064.4  13339   107     0.30    2.55    12.2    -19.9   41.6    416     2.72
15.1    9.9     4.4     711     4.7     25.8
17.0
1261.5  1069.4  13385   107     0.29    2.46    12.8    -20.1
38.2
4.0

1266.5  1074.4  13432   107     0.27    2.44    12.7    -20.2   33.0    354     2.43
14.6    8.5     3.6     529     3.6     21.8
12.6
1271.5  1079.4  13479   107     0.29    2.54    12.8    -20.1
36.6
4.0

1275.5  1083.4  13517
107
                                4.10    1.73    77      0.42
1.89
1276.5  1084.4  13526   107     0.28    2.33    12.4    -19.9   33.0    336     1.85
14.8    6.8     3.5     501     2.8     22.1
10.2                                            5.7     8.2     4.5     3.6     1.7
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1281.5  1089.4  13573   107     0.27    2.29    12.0    -20.5
33.5
3.4

1286.5  1094.4  13620   107     0.28    2.40    12.9    -20.3   33.0    372     1.84
13.7    5.7     3.6     556     2.7     20.4
8.6
1291.5  1099.4  13667   107     0.27    2.34    13.2    -20.3
30.7
3.4

1296.5  1104.4  13713   107     0.28    2.39    12.9    -20.4   31.8    368     1.68
15.1    13.5    3.5     540     2.5     22.1
19.7
1301.5  1109.4  13760   107     0.28    2.42    13.0    -20.2
35.6
3.8

1306.5  1114.4  13807   107     0.26    2.27    12.8    -20.0   36.9    360     2.02
13.5    4.2     3.6     570     3.2     21.4
6.7
1311.5  1119.4  13854   107     0.27    2.33    14.0    -20.1
36.4
3.7

1316.5  1124.4  13901   107     0.28    2.30    13.7    -20.6   38.7    381     1.89
13.2    10.9    3.8     621     3.1     21.6
17.8
1321.5  1129.4  13947   107     0.27    2.26    13.5    -20.3
31.4
3.3

1326.5  1134.4  13994   107     0.30    2.47    13.4    -20.5   34.8    405     1.77
13.7    7.4     3.8     622     2.7     21.1
11.3                                            9.3     4.1     3.2     1.7
1331    1138.9  14036
107
                                4.34    1.83    77      0.42
1.78
1331.5  1139.4  14040   107     0.32    2.43    13.6    -20.4
35.9
3.8
5.6
1336.5  1144.4  14087   107     0.30    2.36    14.3    -20.5   40.4    413     2.67
14.5    5.5     4.0     693     4.5     24.3
9.3
1341.5  1149.4  14133   107     0.32    2.63    13.3    -20.5
37.4
4.2

1346.5  1154.4  14180   107     0.31    2.54    13.2    -20.8   33.2    459     2.43
14.0    10.3    3.8     687     3.6     21.0
15.5
1352.5  1159.9  14231   107     0.24    2.16    13.6    -20.6
31.1
3.1

1356.5  1163.9  14269   107     0.29    2.24    13.1    -20.4   41.0    408     1.66
14.8    11.3    3.8     692     2.8     25.1
19.1
1361.5  1168.9  14315   107     0.28    2.17    13.6    -20.4
35.0
3.3

1364.5  1171.9  14343   107     0.32    2.52    13.4    -20.3   38.0    441     1.87
13.9    3.6     4.1     710     3.0     22.3
```

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5.8
1366.5  1173.9  14362   107     0.28    2.12    13.1    -20.4
32.4
3.1

1371.5  1178.9  14408   107     0.28    2.16    12.3    -20.1   30.5    348     1.54
13.6    6.0     3.1     501     2.2     19.6
8.6                                             5.4     8.8     3.9     3.4     1.5
1373.5  1180.9  14427
107
                                3.97    1.71    155     0.43
3.90
1376.5  1183.9  14455   107     0.25    2.09    12.2    -20.3
30.1
3.0

1381.5  1188.9  14501   107     0.31    2.40    11.9    -20.3   27.5    360     2.24
13.2    7.5     3.3     496     3.1     18.2
10.4
1385.5  1192.9  14539   107     0.34    2.84    11.7    -19.8
38.8
4.6

1391.5  1198.9  14595   107     0.26    2.16    10.8    -20.0   22.8    346     2.30
14.5    8.0     2.8     448     3.0     18.8
10.3
1396.5  1203.9  14641   107     0.26    2.24    10.6    -20.0
18.2
2.7

1401.5  1208.9  14688   107     0.26    2.27    10.9    -19.8   31.7    294     1.61
15.9    6.2     3.3     431     2.4     23.3
9.0
1406.5  1213.9  14734   107     0.30    2.50    11.0    -20.1
34.7
3.8

1411.5  1218.9  14781   107     0.29    2.37    10.4    -19.9   38.3    340     2.37
20.2    13.1    3.8     550     3.8     32.8
21.2
1416.5  1223.9  14827   107     0.28    2.12    11.0    -20.1
26.2
2.9

1421.5  1228.9  14874   107     0.31    2.36    11.1    -20.0   37.2    340     1.85
14.6    5.1     3.8     541     3.0     23.2
8.1                                             5.4     7.8     4.2     3.3     1.2
1423.5  1230.9  14893
107
                                4.37    1.82    155     0.42
3.54
1426.5  1233.9  14921   107     0.26    2.23    10.8    -20.0
23.4
2.9

1431.5  1238.9  14967   107     0.27    2.26    10.3    -20.1   39.6    381     1.74
17.7    6.2     3.7     630     2.9     29.4
10.3
1436.5  1243.9  15014   107     0.27    2.19    10.2    -20.2
24.5
2.9

1441.5  1248.9  15060   107     0.27    2.23    10.5    -19.9   27.2    277     2.11
16.8    6.2     3.1     380     2.9     23.1
8.5
1446.5  1253.9  15107   107     0.31    2.33    10.6    -20.1
```

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26.9
3.2

1451.5  1258.9  15153   107     0.25    2.23    10.3    -19.9   29.0    282     1.30
15.8    6.7     3.1     398     1.8     22.3
9.4
1456.5  1263.9  15200   107     0.30    2.44    10.6    -19.9
28.2
3.4

1462.5  1269.9  15256   107     0.30    2.26    11.0    -19.8   31.9    490     2.58
15.7    7.3     3.3     720     3.8     23.1
10.7
1466.5  1273.9  15293   107     0.30    2.59    10.2    -20.0
23.9
3.4

1471.5  1278.9  15340   107     0.32    2.60    10.3    -20.0   18.9    316     1.41
19.8    6.4     3.2     390     1.7     24.4
7.8                                             6.1     2.7     3.8     1.2
1473.5  1280.9  15358
107
                                5.20    2.08    155     0.40
2.98
1474    1281.4  15363   107     0.36    3.60    10.5    -18.9
11.0
4.0
6.9
1481.5  1288.9  15433   107     0.32    2.60    9.9     -20.1   25.3    351     2.00
19.9    8.1     3.5     470     2.7     26.7
10.8
1486.5  1293.9  15480   107     0.31    2.60    10.0    -19.7
30.2
3.7

1491.5  1298.9  15526   107     0.30    2.43    9.7     -20.1   24.8    374     1.76
19.5    7.5     3.2     497     2.3     26.0
9.9
1496.5  1303.9  15573   107     0.31    2.59    9.6     -19.9
20.9
3.3

1501.5  1309.4  15624   107     0.30    2.64    9.7     -19.7   22.1    445     2.45
20.9    7.5     3.4     571     3.1     26.8
9.6
1503.5  1311.4  15643   107     0.29    2.39    9.6     -19.7
31.5
3.5

1508    1315.9  15684   107     0.34    3.04    9.8     -19.3   24.2    475     2.13
22.8    9.1     4.0     627     2.8     30.1
12.0
1512.5  1320.4  15726   107     0.31    2.56    9.8     -19.5
23.2
3.3

1516.5  1324.4  15764   107     0.33    2.44    9.6     -20.0   17.7    366     1.90
20.0    5.7     3.0     445     2.3     24.4
6.9
1521.5  1329.4  15810   107     0.34    2.67    9.8     -19.8
25.8
3.6
5.0
1523    1330.9  15824
107
                                5.38    2.20    155     0.41
```

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2.88
1526.5  1334.4  15857   107     0.32    2.79    9.5     -19.5   22.6    382     2.52
20.5    7.2     3.6     493     3.3     26.5
9.3                                             7.1     4.7     3.8     1.3
1531.5  1336.4  15875   107     0.29    2.44    9.3     -19.7
17.6
3.0

1536.5  1340.8  15916   107     0.32    2.57    9.5     -19.6   16.2    414     2.49
21.2    5.8     3.1     494     3.0     25.3
6.9
1541.5  1345.8  15963   107     0.32    2.53    9.8     -19.8
13.0
2.9

1546.5  1350.8  16010   107     0.30    2.56    9.2     -19.9   13.7    459     1.67
26.8    6.3     3.0     532     1.9     31.1
7.3
1551.5  1355.8  16056   107     0.32    2.61    9.7     -19.6
17.8
3.2

1556.5  1360.8  16103   107     0.30    2.46    9.1     -19.8   19.6    410     2.02
24.7    6.8     3.1     509     2.5     30.7
8.4
1561.5  1365.8  16149   107     0.31    2.69    9.0     -19.4
19.2
3.3

1566.5  1370.8  16196   107     0.31    2.66    9.1     -19.6   26.3    461     1.84
26.8    7.8     3.6     625     2.5     36.3
10.6
1571.5  1375.8  16242   107     0.31    2.61    9.3     -19.9
13.2
3.0
4.4
1573.5  1377.8  16261
107
                                5.95    2.53    232     0.43
3.91
1576.5  1380.8  16289   107     0.32    2.66    8.7     -19.9   7.6     471     2.17
40.6    6.9     2.9     510     2.3     43.9
7.5                                             7.9     3.6     6.8     1.2
1581.5  1385.8  16336   107     0.32    2.66    8.6     -19.9
10.7
3.0

1586.5  1390.8  16382   107     0.28    2.50    9.2     -19.9   10.9    379     1.57
27.7    8.1     2.8     426     1.8     31.1
9.1
1591.5  1395.8  16429   107     0.27    2.49    8.5     -20.1
13.3
2.9

1596.5  1400.8  16475   107     0.27    2.43    8.7     -20.3   17.8    419     1.37
33.8    12.0    3.0     509     1.7     41.0
14.6
1601.5  1405.8  16522   107     0.27    2.27    9.4     -20.6
18.4
2.8

1606.5  1410.8  16568   107     0.29    2.43    8.6     -20.4   13.0    416     1.50
24.5    9.9     2.8     479     1.7     28.2
11.4
1611.5  1415.8  16615   107     0.31    2.59    8.9     -20.7
9.8
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2.9

1616.5  1420.8  16662   107     0.33    2.52    8.9     -20.9   9.5     539     1.70
47.1    11.1    2.8     596     1.9     52.0
12.2                                            3.7     8.6     2.7     7.5     1.8
1621.5  1425.8  16708   107     0.28    2.31    8.8     -20.7
9.3                             2.5                                             6.29
2.62    232     0.42    3.70
1626.5  1430.8  16755   107     0.31    2.53    8.6     -20.0   8.9     451     1.72
42.2    11.3    2.8     495     1.9     46.3
12.3
1631.5  1435.8  16801   107     0.32    2.54    8.7     -20.1
9.5
2.8

1636.5  1440.8  16848   107     0.32    2.61    8.6     -19.9   9.3     485     1.47
34.6    12.5    2.9     535     1.6     38.2
13.7
1641.5  1445.8  16895   275     0.30    2.60    8.4     -19.8
8.9
2.9

1646.5  1450.8  16913   275     0.28    2.29    9.0     -19.9   9.6     499     1.52
41.6    18.2    2.5     552     1.7     46.0
20.1
1652.5  1456.8  16935   275     0.28    2.22    9.7     -20.0
11.0
2.5

1656.5  1460.8  16949   275     0.29    2.43    9.5     -19.8   9.6     481     2.08
42.7    20.2    2.7     532     2.3     47.2
22.3
1661.5  1465.8  16967   275     0.27    2.23    9.6     -19.7
12.2
2.5

1666.5  1470.8  16985   275     0.26    2.20    9.7     -20.1   14.6    465     1.99
38.6    18.4    2.6     545     2.3     45.2
21.6
1671.5  1475.8  17004   275     0.28    2.20    9.5     -19.9
18.6
2.7

1676.5  1480.8  17022   275     0.26    2.14    9.1     -19.7   24.4    438     2.58
32.9    13.2    2.8     579     3.4     43.5
17.4                                            3.9     8.0     4.7     6.0     2.4
1678.5  1482.8  17029
275
                                5.50    2.36    155     0.43
2.81
1680.5  1484.8  17036   275     0.27    2.21    9.3     -19.8
17.2
2.7

1688.5  1491.3  17060   275     0.26    2.15    8.9     -20.0   10.0    404     1.81
22.7    9.9     2.4     449     2.0     25.2
11.0
1691.5  1494.3  17071   275     0.29    2.29    9.3     -19.7
11.2
2.6

1696.5  1499.3  17089   275     0.26    2.25    8.8     -19.7   12.5    454     1.46
22.2    11.1    2.6     519     1.7     25.4
12.6
1701.5  1504.3  17107   275     0.28    2.19    9.3     -19.5
27.7
```

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3.0

1706.5  1509.3  17125   275     0.28    2.10    9.1     -19.5   28.0    396     3.67
20.1    7.5     2.9     549     5.1     27.9
10.5
1711.5  1514.3  17144   275     0.26    2.11    9.8     -19.4
34.4
3.2

1716.5  1519.3  17162   275     0.24    2.13    9.0     -19.6   25.7    423     2.51
14.7    7.5     2.9     569     3.4     19.8
10.1
1721.5  1524.3  17180   275     0.29    2.44    9.2     -19.6
23.5
3.2
4.3
1723.5  1526.3  17187
275
                                5.68    2.45    155     0.43
2.73
1726.5  1529.3  17198   275     0.29    2.33    9.3     -19.7   12.2    365     2.05
20.8    7.8     2.6     415     2.3     23.7
8.8                                                     6.4     3.6     3.7     1.4
1731.5  1534.3  17216   275     0.27    2.20    8.7     -19.6
48.6
4.3

1736.5  1539.3  17235   275     0.27    2.16    8.8     -19.5   10.7    376     1.10
15.1    7.3     2.4     421     1.2     16.9
8.2
1741.5  1544.3  17253   275     0.27    2.19    9.0     -19.6
24.6
2.9

1746.5  1549.3  17271   275     0.28    2.26    9.0     -19.5   22.7    305     1.02
12.6    7.6     2.9     395     1.3     16.3
9.9
1751.5  1554.3  17289   275     0.26    2.17    8.8     -19.8
34.0
3.3

1756.5  1559.3  17307   275     0.28    2.24    9.0     -19.6   21.9    343     1.37
15.9    6.9     2.9     439     1.8     20.3
8.8
1761.5  1564.3  17326   275     0.27    2.26    9.1     -19.5
15.8
2.7

1766.5  1569.3  17344   275     0.25    2.25    8.4     -19.9   19.5    393     2.32
17.6    6.9     2.8     488     2.9     21.8
8.6
1771.5  1574.3  17362   275     0.33    2.56    8.3     -19.7
31.3
3.7
4.9
1773.5  1576.3  17369
275
                                5.23    2.12    77      0.40
1.48
1776.5  1579.3  17380   275     0.26    2.05    8.9     -19.5   38.0    398     2.76
12.2    7.2     3.3     643     4.5     19.7
11.7                                                    7.6     5.3     2.3     1.4
1781.5  1584.3  17398   275     0.27    2.19    8.7     -20.0
32.3
3.2
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1786.5  1589.3  17416   275     0.25    2.07    9.2     -19.9   22.4    374     1.70
14.2    5.4     2.7     481     2.2     18.3
7.0
1791.5  1594.3  17435   275     0.26    2.17    9.0     -20.0
13.2
2.5

1796.5  1599.3  17453   275     0.26    2.10    9.3     -19.8   18.7    351     1.05
13.3    4.4     2.6     431     1.3     16.4
5.4
1884.5  1611.3  17496   275     0.26    2.12    9.0     -19.5
18.5
2.6

1890.5  1617.3  17518   275     0.25    2.02    9.3     -19.6   19.1    365     1.76
13.3    5.0     2.5     451     2.2     16.4
6.2                                                     6.8     3.3     2.5     0.9
1895.5  1622.3  17536   275     0.28    2.20    8.7     -19.4
20.7                                    2.8                                     5.36
2.34    155     0.44    2.89    4.1
1898.5  1625.3  17547
275
                                5.11    2.20    155     0.43
3.03
1899.5  1626.3  17551   275     0.25    2.03    8.6     -19.8   24.7    358     1.73
13.4    6.6     2.7     476     2.3     17.8
8.7                                             4.0     7.0     3.4     2.6     1.3
1906.5  1632.3  17573   275     0.25    2.08    9.0     -20.1
23.5
2.7

1913.5  1637.9  17593   275     0.27    2.21    9.1     -19.8   16.0    415     1.63
12.6    3.9     2.6     494     1.9     15.0
4.7
2002.5  1649.9  17637   275     0.28    2.33    8.9     -19.6
25.7
3.1

2006.5  1653.9  17651   275     0.26    2.26    8.8     -19.5   27.7    468     1.21
13.6    6.3     3.1     647     1.7     18.9    8.7     5.41    2.15    155     0.40
2.86    4.2     8.6     2.2     2.5     1.2
2012.5  1659.9  17673   275     0.24    1.98    8.6     -20.0
11.1
2.2

2016.5  1663.9  17688   275     0.26    2.12    8.8     -19.8   19.2    315     1.13
15.8    5.8     2.6     390     1.4     19.6
7.2
2021.5  1668.9  17706   275     0.26    2.16    8.9     -19.6
20.6
2.7

2026.5  1673.9  17724   275     0.25    2.08    8.6     -19.8   17.5    346     1.56
17.1    5.3     2.5     420     1.9     20.7
6.4
2031.5  1678.9  17742   275     0.25    2.04    8.6     -19.7
20.7
2.6

2036.5  1683.9  17761   275     0.26    2.24    8.6     -19.3   7.5     328     1.23
15.9    3.8     2.4     354     1.3     17.2
4.1
2039.5  1686.9  17771   275     0.25    2.15    8.4     -19.6
18.0
2.6
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2056.5  1692.1  17790   275     0.23    1.97    8.9     -19.7   18.5    363     1.45
12.6    4.7     2.4     446     1.8     15.5
5.7                                             7.6     3.0     2.6     1.0
2060.5  1696.1  17805   275     0.24    1.92    8.6     -19.6
28.8
2.7
4.0
2061.5  1697.1  17809
275
                                4.77    2.07    155     0.43
3.25
2088.5  1712.1  17863   275     0.27    2.12    8.4     -19.8   18.7    414     1.25
13.5    4.7     2.6     509     1.5     16.6
5.8
2097.5  1719.6  17890   275     0.25    2.12    8.7     -19.6
13.3
2.4

2131    1722.4  17901   275     0.23    1.99    9.3     -19.7   23.4    323     1.06
12.4    4.6     2.6     421     1.4     16.2
6.0
2286.5  1741.6  17970   275     0.27    2.18    8.8     -20.0
23.8
2.9

2291.5  1746.6  17989   275     0.29    2.25    8.8     -19.7   23.5    392     1.22
13.5    11.2    2.9     513     1.6     17.6
14.7
2296.5  1751.6  18007   275     0.27    2.20    8.2     -19.7
24.5
2.9

2301.5  1756.6  18025   275     0.29    2.18    8.3     -19.7   25.6    341     1.83
13.0    6.7     2.9     458     2.5     17.5    9.0     5.39    2.28    155     0.42
2.87    4.0     6.3     3.4     2.4     1.2
2306.5  1761.6  18043   275     0.28    1.99    8.2     -19.8
26.7
2.7

2311.5  1766.6  18061   275     0.29    2.23    8.2     -20.0   25.0    342     1.41
12.7    7.5     3.0     456     1.9     16.9
10.0
2316.5  1771.6  18080   275     0.29    2.13    8.5     -19.9
25.6
2.9

2321.5  1776.6  18098   275     0.26    2.00    8.7     -19.8   22.1    399     1.30
11.3    6.8     2.6     512     1.7     14.5
8.7
2326.5  1781.6  18116   275     0.28    2.03    8.1     -19.7
27.0
2.8

2331.5  1786.6  18134   275     0.26    2.04    8.2     -19.7   23.3    318     1.35
11.3    5.5     2.7     415     1.8     14.7
7.2
2336.5  1791.6  18152   275     0.26    1.99    8.6     -19.9
19.5
2.5

2341.5  1796.6  18170   275     0.26    1.97    8.5     -19.8   29.7    326     1.29
11.9    4.0     2.8     464     1.8     16.9
5.7
2346.5  1801.6  18189   275     0.27    2.02    8.3     -19.6
23.2
2.6
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2351.5  1806.6  18207   275     0.30    2.17    8.7     -20.5   32.3    380     1.44
13.4    6.7     3.2     561     2.1     19.8    9.9     5.15    2.22    155     0.43
3.01    4.2     7.4     2.8     2.6     1.3
2356.5  1811.6  18225   275     0.26    1.88    8.9     -19.9
15.4
2.2

2361.5  1816.6  18243   275     0.29    2.09    9.0     -19.9   23.0    391     1.41
12.2    5.1     2.7     508     1.8     15.8
6.6
2366.5  1821.6  18261   275     0.29    2.04    8.9     -20.0
27.2
2.8

2372.5  1827.6  18283   275     0.27    2.13    8.4     -19.7   24.6    333     1.74
11.8    6.1     2.8     442     2.3     15.7
8.0
2376.5  1831.6  18298   275     0.30    2.05    9.0     -19.8
27.4
2.8

2381.5  1836.6  18316   275     0.27    2.05    8.4     -19.8   25.0    354     1.24
11.8    4.7     2.7     471     1.6     15.7
6.3
2386.5  1841.6  18334   275     0.30    2.16    9.2     -20.1
28.7
3.0

2391.5  1846.6  18352   275     0.30    2.01    9.4     -20.1   31.8    328     2.66
11.6    5.7     2.9     482     3.9     17.0
8.4
2396.5  1851.6  18371   275     0.31    2.24    9.1     -20.0
24.4
3.0

2401.5  1856.6  18389   275     0.28    2.07    9.4     -19.5   19.7    314     1.46
11.8    9.6     2.6     392     1.8     14.7
11.9                                    3.9     5.9     2.7     2.2     1.8
2402.5  1857.6  18392
275
                        5.37    2.34    155     0.44
2.89
2406.5  1861.6  18407   275     0.25    1.98    9.1     -19.9
25.5
2.7

2411.5  1866.6  18425   275     0.31    2.18    9.4     -19.9   21.8    326     1.74
13.3    6.9     2.8     417     2.2     17.0
8.8
2416.5  1871.6  18443   275     0.29    2.18    9.2     -19.8
25.0
2.9

2421.5  1876.6  18461   275     0.28    2.06    8.8     -19.9   30.4    382     1.74
11.1    7.6     3.0     549     2.5     16.0
10.9
2426.5  1881.6  18480   275     0.29    1.95    9.4
-19.9

2431.5  1886.6  18498   275     0.29    2.07    9.4     -19.9   31.6    348     1.98
11.2    6.9     3.0     509     2.9     16.4    6.9     5.09    2.13    155     0.42
3.05    4.1     6.8     3.9     2.2     1.4
2436.5  1891.6  18516   275     0.28    2.04    8.9     -19.8
27.2
2.8
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2441.5  1896.6  18534   275     0.27    1.99    9.1     -19.8   20.7    290     1.10
10.4    7.7     2.5     366     1.4     13.1
9.7
2446.5  1901.6  18552   275     0.31    2.10    8.6     -19.9
27.4
2.9

2451.5  1906.6  18571   275     0.28    2.06    8.8     -19.6   25.0    313     1.22
13.1    5.3     2.7     417     1.6     17.5
7.0
2456.5  1911.6  18589   275     0.30    2.31    9.2     -19.1
23.9
3.0

2461.5  1916.6  18607   275     0.32    2.23    9.4     -19.7   26.0    333     1.43
13.0    6.1     3.0     450     1.9     17.6
8.3
2466.5  1921.6  18625   275     0.35    2.54    9.2     -19.8
27.7
3.5

2471.5  1926.6  18643   275     0.28    2.07    9.0     -19.9   23.8    371     1.62
12.9    5.3     2.7     487     2.1     16.9    7.0     5.42    2.38    155     0.44
2.86    3.8     6.8     3.0     2.4     1.0
2476.5  1931.6  18662   275     0.27    2.03    9.2     -19.7
25.6
2.7

2481.5  1936.6  18680   275     0.27    2.07    9.2     -19.6   19.2    327     1.51
10.7    6.1     2.6     404     1.9     13.2
7.6
2486.5  1941.6  18698   275     0.29    2.38    9.0     -19.2
24.5
3.2

2491.5  1946.6  18716   275     0.28    2.22    9.0     -19.5           340     1.28
13.3
6.2

2496.5  1951.6  18734   275     0.28    2.15    9.0     -19.9
25.7
2.9

2502.5  1957.1  18754   275     0.28    2.06    8.8     -19.9   16.4    355     1.13
11.6    5.1     2.5     425     1.3     13.9
6.1
2506.5  1961.1  18769   275     0.27    1.99    9.1     -19.8
18.5
2.4

2511.5  1966.1  18787   275     0.27    1.98    9.3     -19.7   23.3    327     1.24
10.0    7.4     2.6     427     1.6     13.0
9.7
2516.5  1971.1  18805   275     0.27    1.96    9.6     -19.8
25.6
2.6

2520.5  1975.1  18820
275
                                5.09    2.06    155     0.41
3.05
2521.5  1976.1  18823   275     0.27    1.83    9.3     -19.7   27.8    347     1.31
10.9    5.5     2.5     480     1.8     15.1
7.6                                             3.6     6.8     2.6     2.1     1.1
2526.5  1981.1  18842   275     0.27    2.08    9.0     -19.6
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27.9
2.9

2531.5  1986.1  18860   275     0.27    1.97    8.8     -19.7           392     2.27
10.7
7.9

2536.5  1991.1  18878   275     0.27    1.96    9.7     -20.1
26.9
2.7

2541.5  1996.1  18896   275     0.24    1.82    9.4     -19.9   32.2    353     1.74
10.3    5.9     2.7     521     2.6     15.2
8.7
2546.5  2001.1  18914   275     0.28    1.99    9.4     -19.8
25.3
2.7

2551.5  2006.1  18933   251     0.29    2.05    9.6     -19.6   24.1    332     1.16
11.3    7.0     2.7     437     1.5     14.8
9.3
2556.5  2011.1  18953   251     0.26    1.99    8.8     -20.0
20.4
2.5

2561.5  2016.1  18973   251     0.25    1.95    9.1     -19.7   21.7    342     1.32
12.0    8.4     2.5     437     1.7     15.4
10.7
2566.5  2021.1  18993   251     0.30    2.17    9.1     -19.6
24.9
2.9

2571.5  2026.1  19013   251     0.30    2.07    9.3     -19.9   22.5    296     1.57
10.8    6.4     2.7     383     2.0     14.0    8.3     5.60    2.37    155     0.42
2.77    3.7     5.3     2.8     1.9     1.2
2576.5  2031.1  19033   251     0.30    2.14    8.9
-19.8

2581.5  2036.1  19053   251     0.30    2.15    9.0     -19.7           381     1.46
12.7
7.6

2586.5  2040.1  19069   251     0.25    2.21    8.4     -19.7
29.9
3.2

2591.5  2045.1  19089   251     0.27    2.16    8.9     -19.8   25.2    317     1.26
11.6    8.0     2.9     424     1.7     15.5
10.7
2596.5  2050.1  19109   251     0.25    2.21    9.3     -19.2
25.2
3.0

2601.5  2055.1  19129   251     0.25    2.09    8.8     -19.6   25.3    407     1.56
12.2    13.9    2.8     587     2.1     16.3
18.7
2606.5  2060.1  19149   251     0.27    2.18    9.0     -19.6
22.1
2.8

2611.5  2065.1  19169   251     0.25    2.18    9.1     -19.9   26.7    326     1.30
12.6    7.4     3.0     445     1.8     17.2
10.1
2616.5  2070.1  19189   251     0.24    2.03    9.2     -19.8
29.4
2.9
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2621.5  2075.1  19209   251     0.23    2.09    8.8     -20.0   22.7    307     1.21
10.8    6.7     2.7     397     1.6     14.0    8.7     5.21    2.27    155     0.44
2.97    4.0     5.9     2.3     2.1     1.3
2626.5  2080.1  19229   251     0.24    2.00    8.8     -20.3
29.3
2.8

2631.5  2085.1  19249   251     0.25    2.09    9.2     -19.9   25.5    342     1.13
10.9    6.2     2.8     460     1.5     14.6
8.4
2636.5  2090.1  19269   251     0.25    2.21    8.7     -20.1
11.9
2.5

2641.5  2095.1  19289   251     0.27    2.24    8.8     -19.5   24.6    360     1.34
11.9    10.5    3.0     477     1.8     15.8
13.9
2646.5  2100.1  19309   251     0.27    2.18    8.8     -19.9
25.4
2.9

2653.5  2107.1  19337   251     0.24    2.06    8.8     -20.1   22.3    335     1.17
11.0    10.7    2.7     431     1.5     14.2
13.7
2657.5  2111.1  19353   251     0.25    2.21    8.5     -20.1   12.2    395     1.64
11.5    6.3     2.5     450     1.9     13.1
7.2
2661.5  2115.1  19369   251     0.23    2.13    8.6     -20.2
20.2
2.7

2666.5  2120.1  19389   251     0.28    2.36    8.8     -19.7   17.2    396     1.59
18.1    5.9     2.8     479     1.9     21.9
7.1
2671.5  2125.1  19409   251     0.25    2.14    8.1     -20.3
16.2
2.6

2676.5  2130.1  19430   251     0.24    2.07    8.1     -20.0   18.6    385     0.93
12.5    6.8     2.5     473     1.1     15.4    8.4     5.37    2.40    232     0.45
4.33    3.9     7.2     1.7     2.3     1.3
2684.5  2133.7  19444   251     0.26    2.05    8.6     -20.7
16.1
2.4

2688.5  2137.1  19458   251     0.28    2.15    8.6     -20.4   14.0    394     0.96
12.0    5.1     2.5     459     1.1     14.0
6.0
2693.5  2141.5  19475   251     0.26    2.12    8.3     -20.5
15.9
2.5

2696.5  2144.5  19487   251     0.26    2.11    8.1     -20.3   17.0    385     0.95
11.6    3.8
2.5

2701    2149    19505   251     0.25    2.04    8.4     -20.1
20.1
2.6

2706    2154    19525   251     0.24    2.12    8.8     -19.8   18.2    351     1.30
11.3    4.8     2.6     429     1.6     13.9
5.9
2712    2160    19549   251     0.23    2.09    8.7     -19.9
23.7
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2.7

2712    2160    19549   251     0.24    2.10    8.7     -19.9
22.3
2.7

2716    2164    19565   251     0.24    2.19    8.6     -19.8   23.1    363     1.09
9.6     4.9     2.8     467     1.4     12.4
6.4                                     4.2     6.9     2.1     1.8     0.9
2721.5  2169    19585
251
                                5.23    2.18    155     0.42
2.96
2726    2174    19605   251     0.26    2.25    8.6     -20.3   26.5    375     1.12
10.4    4.0     3.1     510     1.5     14.1
5.5
2731    2179    19626   251     0.26    2.14    8.6     -20.1
23.2
2.8

2736    2184    19646   251     0.25    2.12    8.4     -20.2   18.1    445     1.19
10.1    3.8     2.6     544     1.4     12.3
4.7
2741    2189    19666   251     0.26    2.12    8.8     -19.6
21.7
2.7

2746.5  2194    19686   251                                             391     1.24
11.0
4.2

2751    2199    19706   251     0.26    2.11    8.3     -19.4   23.4    358     1.28
11.2    7.0     2.8     468     1.7     14.6
9.1
2756    2204    19726   251     0.24    2.17    8.3     -19.6
23.8
2.8

2761    2209    19746   251     0.28    2.05    9.0     -19.9
23.2
2.7

2766    2214    19766   251     0.28    2.15    8.9     -19.5   26.1    377     1.69
11.6    5.7     2.9     510     2.3     15.6
7.8
2771    2219    19786   251     0.27    2.04    9.0     -20.0
21.1
2.6
3.6
2773.5  2221    19794
251
                                5.60    2.40    155     0.43
2.76
2776    2224    19806   251     0.29    2.12    9.2     -19.9   18.4    362     1.26
10.9    5.7     2.6     443     1.5     13.3
7.0                                             6.5     2.2     1.9     1.0
2781    2229    19826   251     0.27    2.22    8.7     -20.0
15.4
2.6

2786    2234    19846   251     0.29    2.27    8.9     -19.7   33.7    358     1.24
11.7    13.4    3.4     540     1.9     17.6
21.7
2791    2239    19866   251     0.29    2.10    8.8     -19.8
29.6
3.0
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2796    2244    19886   251     0.28    1.99    8.8     -20.0   27.8    312     1.26
9.9     8.2     2.8     432     1.7     13.7
11.3
2802    2250    19910   251     0.28    2.09    8.5     -19.8
23.6
2.7

2806    2254    19926   251     0.29    2.41    8.3     -19.4   25.5    337     1.48
11.9    7.5     3.2     453     2.0     16.0
10.0
2811    2259    19946   251     0.29    2.09    9.2     -19.6
23.9
2.7

2816    2264    19966   251     0.27    2.06    8.8     -20.2   13.7    368     1.71
12.7    4.9     2.4     426     2.0     14.7
5.6                                                     6.1     2.8     2.1     0.8
2821    2269    19986   251     0.32    2.22    9.7     -20.0
21.2
2.8
3.7
2821.5  2269    19986
251
                        6.01    2.52    232     0.42
3.86
2826    2274    20006   251     0.31    2.16    9.4     -19.6   33.8    322     1.68
10.5    6.5     3.3     487     2.5     15.8
9.8
2831    2279    20026   251     0.29    2.13    9.2     -19.8
21.5
2.7

2836    2284    20046   251     0.28    2.05    9.1     -19.4   26.2    284     1.00
10.8    11.3    2.8     384     1.3     14.6
15.3
2841    2289    20066   251     0.31    2.26    9.2
26.4
3.1

2846    2294    20086   251     0.29    2.06    8.5     -19.9   19.5    338     1.07
12.0    5.8     2.6     420     1.3     14.9
7.2
2851    2299    20106   251     0.31    2.18    9.0     -19.5
15.6
2.6

2856    2304    20127   251     0.30    2.04    9.3     -19.5   20.7    319     1.38
12.5    6.6     2.6     402     1.7     15.8
8.3
2861    2309    20147   251     0.29    2.17    8.7     -19.6
21.9
2.8

2866    2314    20167   251     0.28    2.19    9.0     -19.0   27.7    387     1.83
12.6    5.9     3.0     535     2.5     17.4
8.2                                                     7.9     3.8     2.6     1.2
2871    2319    20187   251     0.31    2.31    9.5     -19.2
27.3
3.2
4.7
2871.5  2319    20187
251
                        4.88    2.05    155     0.42
3.17
2876    2324    20207   251     0.29    2.13    8.8     -19.2   29.1    365     2.00
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12.1    5.7     3.0     515     2.8     17.1
8.1
2890.5  2331.4  20236   251     0.30    2.00    9.4     -20.1
19.6
2.5

2898.5  2337.8  20262   251     0.30    2.23    8.8     -19.8   13.3    414     1.25
13.3    6.9     2.6     478     1.4     15.4
8.0
2912.5  2346.8  20298   251     0.29    2.20    8.8     -19.5
23.8
2.9

2916.5  2350.8  20314   251     0.30    2.10    9.3     -20.0   23.3    393     1.28
13.3    10.5    2.7     512     1.7     17.3
13.6
2921.5  2355.8  20334   251     0.30    2.01    9.1     -20.1
23.3
2.6

2925.5  2359.8  20350
251
                                5.53    2.50    155     0.45
2.80
2926.5  2360.8  20354   251     0.30    2.30    8.4     -19.9   25.1    364     1.15
13.6    6.4     3.1     486     1.5     18.1
8.5                                             4.2     6.6     2.1     2.5     1.2
2931.5  2365.8  20374   251     0.28    2.33    8.8     -19.7
14.3
2.7

2936.5  2370.8  20394   251     0.29    2.20    8.7     -19.7   19.2    369     1.24
12.1    5.7     2.7     457     1.5     15.0
7.0
2941.5  2375.8  20414   251     0.31    2.16    8.8     -19.8
23.6
2.8

2946.5  2380.8  20434   251     0.32    2.19    8.9     -19.8   18.5    351     1.21
13.9    5.0     2.7     431     1.5     17.1
6.2
2956.5  2388.3  20464   251     0.27    2.20    8.9     -20.5
14.5
2.6

2961.5  2393.3  20484   251     0.28    2.09    8.6     -20.0   17.5    342     1.23
14.2    4.4     2.5     415     1.5     17.2
5.4
2966.5  2398.3  20504   251     0.29    2.23    8.8     -19.4
21.1
2.8

2971.5  2403.3  20525   251     0.28    2.08    8.7     -20.0   16.3    344     1.23
11.9    4.9     2.5     410     1.5     14.2
5.9                                             3.8     6.3     2.3     2.2     0.9
2973.5  2405.3  20533
251
                                5.44    2.32    232     0.43
4.27
2976.5  2408.3  20545   251     0.28    2.08    8.6     -20.1
21.2
2.6

2981.5  2413.3  20565   251     0.28    2.10    8.2     -20.4   15.8    405     1.06
13.8    5.5     2.5     481     1.3     16.4
6.6
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2986.5  2418.3  20585   251     0.29    2.22    8.6     -20.1
19.7
2.8

2991.5  2423.3  20605   251     0.31    2.13    8.4     -20.1   22.3    369     1.27
11.4    9.3     2.7     475     1.6     14.7
12.0
2996.5  2428.3  20625   251     0.28    2.13    8.2     -20.2
28.0
3.0

3001.5  2433.3  20645   251     0.29    2.03    8.0     -20.6   24.5    326     1.28
11.1    5.3     2.7     432     1.7     14.7
7.0
3006.5  2438.3  20665   251     0.30    2.11    8.4     -20.1
19.9
2.6

3011.5  2443.3  20685   251     0.28    2.09    8.1     -20.2   20.5    372     1.36
11.9    5.4     2.6     468     1.7     14.9
6.8
3016.5  2448.3  20705   251     0.29    2.26    7.6     -20.1
13.6
2.6

3039    2470.8  20795
251
                                4.99    2.10    77      0.42
1.55
3041.5  2455.3  20733   251     0.30    2.15    9.0     -20.0   30.8    359     1.38
12.8    7.9
3.1                                                                             4.5
7.2     2.8     2.6     1.6
3062.5  2462.3  20761   251     0.26    1.90    8.3     -20.4
24.9
2.5

3089.5  2469.3  20789   251     0.30    2.22    8.7     -20.0   33.9    359     1.22
13.9    5.5     3.4     543     1.8     21.1
8.3
3095.5  2475.3  20813   251     0.29    2.10    9.3     -20.0
19.7
2.6

3102.5  2482.3  20841   251     0.30    2.16    8.7     -20.3   20.2    337     1.63
11.7    4.3     2.7     423     2.0     14.7
5.3
3106.5  2486.3  20857   251     0.29    2.24    8.6     -20.1
15.5
2.7

3111.5  2491.3  20877   251     0.31    2.17    8.3     -20.3   13.6    443     1.28
19.1    6.8     2.5     513     1.5     22.1
7.9                                             8.9     2.6     3.8     1.4
3116.5  2496.3  20897   251     0.29    2.17    8.1     -20.3
22.9                            2.8                                             4.96
2.07    155     0.42    3.12    4.4
3121.5  2501.3  20917   251     0.31    2.19    8.2     -19.8   20.4    360     1.29
14.3    10.0    2.8     452     1.6     17.9
12.6                                    4.2     6.9     2.5     2.7     1.9
3123.5  2503.3  20925
251
                                5.25    2.24    232     0.43
4.43
3126.5  2506.3  20937   251     0.30    2.05    8.2     -20.1
21.9
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2.6

3131.5  2511.3  20957   251     0.30    2.39    8.4     -19.6   17.9    427     1.52
14.4    6.1     2.9     520     1.9     17.5
7.4
3136.5  2516.3  20977   251     0.30    2.18    8.2     -19.9
17.7
2.6

3141.5  2521.3  20998   165     0.27    2.02    7.8     -20.2   18.6    383     1.13
10.9    4.5     2.5     470     1.4     13.4
5.5
3146.5  2526.3  21027   165     0.28    2.11    8.1     -20.2
23.5
2.8

3151.5  2531.3  21057   165     0.32    2.45    8.1     -19.9   19.3    443     2.08
18.9    6.1     3.0     549     2.9     23.4
7.5
3156.5  2536.3  21087   165     0.28    2.11    8.1     -20.0
21.2
2.7

3160.5  2540.3  21111
165
                                5.33    2.21    155     0.41
2.91
3161.5  2541.3  21117   165     0.30    2.28    8.0     -19.8   19.3    348     1.52
11.5    7.5     2.8     431     1.9     14.3
9.3                                             4.3     6.5     2.8     2.2     1.4
3165.5  2545.3  21141   165     0.33    2.51    8.9     -19.7
21.0
3.2

3206.5  2551.8  21180   165     0.33    2.21    8.4     -20.2   31.7    417     1.89
12.9    8.1     3.2     611     2.8     18.8
11.8
3211.5  2556.8  21210   165     0.29    2.19    8.0     -20.0
25.6
2.9

3216.5  2561.8  21240   165     0.32    2.30    8.4     -19.8   28.4    327     1.60
12.5    6.9     3.2     457     2.2     17.5
9.7
3231.5  2566.3  21267   165     0.31    2.36    8.3     -19.8
13.1
2.7

3236.5  2571.3  21297   165     0.33    2.35    8.1     -19.6   20.6    359     1.47
14.6    8.8     3.0     452     1.8     18.4
11.0
3241.5  2576.3  21327   165     0.33    2.26    8.9     -19.7
24.8
3.0

3246.5  2581.3  21357   165     0.29    2.14    9.4     -19.6   21.3    345     1.57
14.4    5.8     2.7     439     2.0     18.3
7.3
3252.5  2587.3  21393   165     0.31    2.26    8.7     -19.9
25.3
3.0

3256.5  2591.3  21417   165     0.29    2.17    8.3     -19.8   21.4    369     1.22
11.6    9.5     2.8     469     1.6     14.7
12.1
3261.5  2596.3  21447   165     0.31    2.09    9.2     -19.5
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26.7
2.9

3266.5  2601.3  21477   165     0.31    2.18    8.4     -19.6   22.8    381     1.50
11.9    13.1    2.8     494     2.0     15.4
17.0
3271.5  2606.3  21507   165     0.31    2.37    8.0     -20.0
26.1
3.2

3275.5  2610.3  21531   165     0.31    2.28    8.2     -19.5   22.3    346     1.29
11.5    12.4    2.9     445     1.7     14.8
16.0                                                    6.5     2.4     2.2     2.3
3278.5  2613.3  21549   165     0.30    2.19    8.0     -19.4
20.1                                    2.7                                     5.35
2.30    232     0.43    4.34    4.1
3281.5  2616.3  21567   165     0.29    2.12    8.4     -20.4   22.9    303     1.17
11.6    6.5     2.8     393     1.5     15.0
8.4
3286.5  2621.3  21597   165     0.32    2.46    8.0     -19.8
22.2
3.2

3291.5  2625.6  21623   165     0.30    2.50    8.2     -19.7   25.6    402     1.88
14.1    10.5    3.4     540     2.5     18.9
14.1
3296.5  2630.6  21653   165     0.30    2.19    9.0     -19.7
24.6
2.9

3324.5  2635.3  21681
165
                                5.61    2.33    155     0.42
2.76
3326.5  2637.3  21693   165     0.32    2.33    8.9     -19.5   21.9    368     1.54
12.4    16.8    3.0     542     2.0     15.9
23.3                                            4.2     6.6     2.7     2.2     3.0
3331.5  2642.3  21723   165     0.34    2.44    8.5     -19.2
22.3
3.1

3336.5  2647.3  21753   165     0.29    2.31    8.0     -19.1   22.8    347     1.57
15.3    9.1     3.0     449     2.0     19.8
11.8
3341.5  2652.3  21783   165     0.30    2.27    8.0     -19.7
20.4
2.9

3346.5  2657.3  21813   165     0.30    2.36    7.7     -19.6   23.0    357     1.51
12.5    10.0    3.1     463     2.0     16.2
13.0
3351.5  2662.3  21843   165     0.33    2.47    7.7     -19.6
25.0
3.3

3358.5  2669.3  21885
165
                                5.96    2.41    232     0.40
3.90
3360.5  2668.8  21882   165     0.33    2.38    7.8     -19.5   18.7    462     1.30
15.8    7.8     2.9     568     1.6     19.5
9.6                                             4.0     7.7     2.2     2.7     1.3
3364.5  2672.8  21906   165     0.33    2.44    7.1     -19.6
17.5
3.0
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```
3386.5  2679.8  21948   165     0.28    2.20    8.0     -19.9   27.3    356     1.40
10.8    6.2     3.0     490     1.9     14.8
8.6
3392.5  2682.8  21966   165     0.30    2.27    8.5     -19.7
23.6
3.0

3397.5  2687.8  21996   165     0.33    2.44    8.4     -19.7   25.2    394     1.34
13.4    13.5    3.3     526     1.8     17.9
18.1
3406.5  2696.8  22050   165     0.32    2.37    8.2     -19.3
26.4
3.2

3411.5  2701.8  22080   165     0.33    2.49    7.9     -20.2   24.5    363     1.49
12.7    19.3    3.3     481     2.0     16.9
25.6
3416.5  2706.8  22110   165     0.33    2.44    7.8     -19.7
17.7
3.0

3421.5  2711.8  22140   165     0.31    2.46    7.4     -19.6   36.1    408     1.58
13.6    16.4    3.9     639     2.5     21.3
25.6                                                    7.9     3.1     2.6     3.2
3426.5  2716.8  22170   165     0.32    2.45    7.4
-19.9
5.15    2.20    155     0.43    3.00    4.7
3438.5  2723.2  22209   165     0.30    2.40    7.1     -19.9   27.2    393     1.37
14.6    26.7    3.3     540     1.9     20.0
36.6
3475.5  2732.7  22266
165
                                5.36    2.22    155     0.41
2.89
3476.5  2733.7  22272   165     0.30    2.31    7.7     -19.7
28.3
3.2

3481.5  2738.7  22302   165     0.33    2.52    7.2     -19.4   21.8    370     1.23
16.1    7.0     3.2     473     1.6     20.6
8.9                                             4.7     6.9     2.3     3.0     1.3
3486.5  2743.7  22332   165     0.32    2.51    7.3     -19.8
16.1
3.0

3491.5  2748.7  22362   165     0.32    2.39    7.5     -19.7   15.7    407     1.13
19.2    5.4     2.8     482     1.3     22.8
6.5
3496.5  2753.7  22392   165     0.31    2.33    7.4     -19.5
15.6
2.8

3501.5  2758.7  22436   112     0.33    2.55    7.6     -19.9   18.6    441     1.30
16.2    5.0     3.1     542     1.6     19.9
6.1
3506.5  2763.7  22481   112     0.33    2.48    7.6     -19.6
14.2
2.9

3511.5  2768.7  22526   112     0.32    2.39    7.3     -19.1   15.3    374     1.14
13.8    4.2     2.8     441     1.3     16.2
5.0
3516.5  2773.7  22571   112     0.30    2.44    7.1     -19.6
18.6
3.0
```

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3521.5  2778.7  22615   112     0.30    2.45    7.2     -19.6   21.2    345     1.22
15.9    4.9     3.1     438     1.5     20.1    6.2     5.45    2.25    155     0.41
2.84    4.5     6.3     2.2     2.9     0.9
3526.5  2783.7  22660   112     0.32    2.48    7.8     -19.5
15.2
2.9

3531.5  2788.7  22705   112     0.32    2.38    7.5     -19.8   15.6    454     1.40
15.7    6.8     2.8     538     1.7     18.6
8.0
3536.5  2793.7  22750   112     0.30    2.25    8.2     -19.0
17.6
2.7

3541.5  2798.7  22795   112     0.29    2.22    7.8     -19.7   12.7    420     1.23
19.2    8.3     2.5     482     1.4     22.0
9.5
3554.5  2811.7  22911   112                                             446     1.93
34.7
10.7

3561.5  2818.7  22974   112     0.31    2.52    7.6     -19.1
9.6
2.8

3566.5  2823.7  23018   112     0.32    2.45    8.1     -19.6           432     1.61
29.8
13.2

3571.5  2828.7  23063   112     0.34    2.51    7.8     -19.6
17.0
3.0
4.2
3573.5  2830.7  23081
112
                                5.95    2.77    232     0.47
3.90
3576.5  2833.7  23108   112     0.31    2.28    7.5     -19.7   15.9    451     1.56
25.7    14.8    2.7     536     1.9     30.6
17.6                                                    7.6     2.6     4.3     2.5
3581.5  2838.7  23153   112     0.31    2.27    7.2     -20.0
26.6
3.1

3586.5  2843.7  23198   112     0.32    2.45    7.5     -19.7   13.3    371     1.46
18.0    14.2    2.8     428     1.7     20.8
16.4
3591.5  2848.7  23242   112     0.31    2.38    7.9     -20.7
12.1
2.7

3596.5  2853.7  23287   112     0.31    2.39    8.1     -20.1   30.0    383     1.57
13.4    8.4     3.4     546     2.2     19.1
12.0
3601.5  2858.7  23332   112     0.34    2.53    9.5     -20.2
27.3
3.5

3606.5  2863.7  23377   112     0.29    2.28    8.7     -20.1   31.3    394     1.73
11.2    8.3     3.3     573     2.5     16.3
12.1                                                    7.7     3.4     2.2     1.6
3610.5  2867.7  23413   112     0.31    2.39    8.1     -20.1
25.9                                    3.2                             5.11
2.16    155     0.42    3.03    4.7
3618.5  2870.45 23437   112     0.30    2.18    7.8     -20.5   30.8    391     1.68
11.1    8.0     3.1     565     2.4     16.0
```

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11.6
3643.5  2875.7  23484   112     0.28    2.17    8.0     -20.3
18.0
2.6

3650.5  2879.9  23522   112     0.32    2.45    8.7     -20.0   18.7    383     1.34
13.2    4.6     3.0     471     1.6     16.2
5.6
3656    2883.4  23553   112     0.36    2.49    8.4     -20.2
18.2
3.0

3661.5  2889.4  23607   112     0.32    2.38    8.1     -20.3   16.5    404     1.40
12.6    4.7     2.8     483     1.7     15.0
5.6
3669.5  2897.4  23679   112     0.29    2.06    8.0
-19.0

3670    2897.9  23683   112     0.30    2.13    7.9     -20.4
29.2
3.0

3672.5  2900.4  23705   112     0.33    2.56    8.3     -20.0   17.0    423     1.54
21.1    7.6     3.1     510     1.9     25.5    9.2     5.96    2.45    155     0.41
2.60    4.3     7.1     2.6     3.5     1.3
3681.5  2904.1  23739   112     0.36    2.53    8.6     -19.8
22.6
3.3

3686.5  2909.1  23783   112     0.33    2.59    8.3     -19.5   14.3    387     1.63
15.0    4.7     3.0     451     1.9     17.5
5.5
3691.5  2914.1  23828   112     0.37    2.83    8.4     -19.9
14.8
3.3

3696.5  2919.1  23873   112     0.33    2.49    8.5     -19.6   17.2    465     1.42
13.1    4.9     3.0     562     1.7     15.8
5.9
3702.5  2925.1  23927   112     0.32    2.46    8.9     -19.3
22.4
3.2

3706.5  2929.1  23962   112     0.33    2.43    9.1     -19.8   21.1    388     1.30
15.3    6.2     3.1     491     1.6     19.3
7.8
3711.5  2934.1  24007   112     0.34    2.55    8.9     -20.1
27.5
3.5

3716.5  2939.1  24052   112     0.32    2.47    8.9     -19.8   23.0    358     1.46
13.6    9.1     3.2     464     1.9     17.7
11.8
3721.5  2944.1  24097   112     0.34    2.45    9.2     -19.9
25.3
3.3
4.5
3723.5  2946.1  24115
112
                                5.40    2.36    155     0.44
2.87
3726.5  2949.1  24142   112     0.34    2.54    9.2     -20.0           414     1.64
14.0
6.9
        7.7     3.0     2.6     1.3
3731.5  2954.1  24186   112     0.30    2.31    9.1     -19.9
```

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25.2
3.1

3736.5  2959.1  24231   112     0.32    2.18    8.4     -20.3           397     1.44
10.9
8.9

3741.5  2964.1  24276   112     0.31    2.41    8.5     -20.1
15.5
2.9

3746.5  2969.1  24321   112     0.34    2.50    9.2     -19.3   21.0    353     1.40
14.5    9.7     3.2     447     1.8     18.3
12.3
3751.5  2974.1  24366   112     0.34    2.58    9.1     -19.5
21.9
3.3

3756.5  2979.1  24427   82      0.32    2.51    8.9     -20.0   19.3    375     1.56
14.0    6.7     3.1     465     1.9     17.3
8.4
3761.5  2984.1  24488   82      0.33    2.46    8.4     -19.5
21.7
3.1

3767.5  2990.1  24561   82      0.33    2.30    9.0     -19.8   18.0    347     1.48
14.4    4.7     2.8     423     1.8     17.6
5.8
3771.5  2994.1  24610   82      0.33    2.51    9.0     -19.7
12.9                                    2.9                                     6.53
2.63    232     0.40    3.56    3.8
3776.5  2999.1  24671   82      0.32    2.27    8.8     -19.6   19.5    410     1.37
22.1    7.8     2.8     510     1.7     27.5
9.7                                                     6.3     2.1     3.4     1.2
3781.5  3004.1  24732   82      0.33    2.53    8.9     -19.6
13.5
2.9

3786.5  3009.1  24793   82      0.36    2.78    8.0     -18.7   12.7    498     1.65
19.7    7.7     3.2     570     1.9     22.6
8.8
3791.5  3014.1  24854   82      0.35    2.72    7.8     -19.3
7.7
2.9

3796.5  3019.1  24916   82      0.38    2.93    7.7
-19.2

3797.5  3020.1  24928   82      0.37    2.86    7.6     -18.4   10.3    484     2.08
43.4    10.8    3.2     539     2.3     48.4
12.0
3801.5  3024.1  24977   82      0.34    2.44    7.5     -19.9
7.7
2.6

3806.5  3028.4  25029   82      0.34    2.54    7.4     -19.9   11.0    413     1.49
35.0    10.1    2.9     464     1.7     39.3
11.3
3811.5  3033.4  25090   82      0.30    2.20    7.8     -19.5
7.6
2.4

3815.5  3037.4  25139   82      0.31    2.18    7.9     -20.0   18.2    406     2.47
40.5    11.6    2.7     496     3.0     54.0
14.1
3821.5  3043.4  25213
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82
                                  6.15    2.97    232     0.48
3.78
3822.5  3040.3  25175   82      0.26    1.96    7.5     -19.8
13.3
2.3

3826.5  3044.3  25224   82      0.29    2.10    7.9     -19.5   9.6     457     1.42
26.3    10.2    2.3     505     1.6     29.1
11.3                                            3.4     7.4     2.3     4.3     1.7
3831.5  3049.3  25285   82      0.29    2.15    7.4     -19.8
9.0
2.4

3836.5  3054.3  25346   82      0.29    2.07    7.2     -19.8   11.1    458     1.34
30.5    16.5    2.3     515     1.5     34.3
18.5
3841.5  3059.3  25407   82      0.30    2.17    7.6     -19.9
8.5
2.4

3846.5  3064.3  25468   82      0.33    2.41    7.4     -19.5   7.7     452     1.98
39.1    16.8    2.6     490     2.1     42.3
19.9
3853.5  3071.3  25554   82      0.29    2.09    7.4     -19.3
13.7
2.4

3856.5  3074.3  25527   162     0.30    2.14    8.0     -19.5   13.0    377     1.20
25.7    16.6    2.5     434     1.4     29.5
19.1
3861.5  3079.3  25482   162     0.30    2.29    8.0     -19.3
15.2
2.7

3866.5  3084.3  25437   162     0.31    2.27    8.2     -19.1   15.9    361     1.55
18.6    12.7    2.7     430     1.8     22.1
15.1
3871.5  3089.3  25393   162     0.29    2.29    7.9     -19.2
16.4                                    2.7                                     5.76
2.48    232     0.43    4.03
3876.5  3094.3  25348   162     0.30    2.31    7.0     -19.3   24.5    340     1.43
15.4    8.4     3.1     451     1.9     20.4
11.1                                                    5.9     2.5     2.7     1.5
3881.5  3099.3  25303   162     0.32    2.44    7.1     -19.9
19.8
3.0

3886.5  3104.3  25338   162     0.30    2.08    7.6     -19.1   19.1    358     1.28
11.8    7.2     2.6     443     1.6     14.5
8.9
3891.5  3109.3  25373   162     0.32    2.18    8.1     -19.6
22.9
2.8

3896.5  3114.3  25407   162     0.31    2.21    7.5     -19.9   20.3    385     1.27
14.4    4.5     2.8     483     1.6     18.1
5.6                                             3.8
3901.5  3119.3  25442   162     0.31    2.13    7.7     -19.5
17.7
2.6

3906.5  3124.3  25477   162     0.31    2.22    7.7     -19.4   18.8    350     1.23
11.2    4.3     2.7     431     1.5     13.8
5.3
3911.5  3129.3  25511   162     0.33    2.25    7.6     -19.5
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25.7
3.0

3916.5  3134.3  25546   162     0.29    2.09    7.8     -19.7   19.5    322     1.11
12.3    4.1     2.6     400     1.4     15.3
5.1
3921.5  3139.3  25581   162     0.28    1.97    7.5     -20.1
25.0                                    2.6                             5.95
2.42    232     0.41    3.90    3.3
3926.5  3144.3  25615   162     0.33    2.16    8.1     -19.9   27.7    369     1.36
12.0    4.3     3.0     511     1.9     16.6
5.9                                                     6.2     2.3     2.0     0.7
3931.5  3149.3  25650   162     0.31    1.99    7.9     -20.0
26.2
2.7

3936.5  3154.3  25685   162     0.31    2.27    8.0     -20.4   18.4    413     1.31
12.2    4.5     2.8     506     1.6     14.9
5.5
3941.5  3159.3  25720   162     0.30    2.00    7.8     -20.1
12.5
2.3

3946.5  3164.3  25754   162     0.28    2.01    7.6     -19.8   17.2    309     1.07
11.7    4.3     2.4     373     1.3     14.2
5.2
3951.5  3169.3  25789   162     0.32    2.26    8.1     -18.8
25.7
3.0

3956.5  3174.3  25824   162     0.34    2.26    8.7     -19.6   29.9    427     2.21
12.2    6.0     3.2     610     3.2     17.4
8.5
3961.5  3179.3  25858   162     0.32    2.20    8.3     -19.7
19.0
2.7

3967.5  3185.3  25900   162     0.30    2.16    8.4     -18.9   14.2    379     1.19
12.4    5.0     2.5     441     1.4     14.4
5.8                                             3.4     5.9     1.9     1.9     0.8
3968.5  3186.3  25907
162
                                6.42    2.76    232     0.43
3.62
3971.5  3189.3  25928   162     0.29    2.17    8.7     -18.3
16.9
2.6

3976.5  3194.3  25962   162     0.28    2.02    7.7     -19.9           349     1.04
11.2
3.7

3981.5  3199.3  25997   162     0.28    2.00    8.5     -19.3
21.5
2.5

3986.5  3204.3  26032   162     0.28    2.08    7.5     -19.3   13.3    361     1.06
14.9    5.4     2.4     416     1.2     17.2
6.2
3991.5  3209.3  26066   162     0.25    1.86    7.8     -19.7
8.9
2.0

3996.5  3214.3  26101   162     0.24    1.63    7.2     -19.6   13.9    310     1.07
20.0    9.3     1.9     360     1.2     23.2
10.8
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4171.5  3265.5  26456   162     0.32    2.23    7.9     -19.7
11.1
2.5

4176.5  3270.5  26491   162     0.25    1.90    7.8     -20.0   10.4    369     1.00
16.7    8.1     2.1     412     1.1     18.7
9.0
4181.5  3275.5  26526   162     0.32    2.29    8.2     -19.8
10.7
2.6

4185.5  3279.5  26553
162
                                5.86    2.71    232     0.46
3.97
4186.5  3280.5  26560   162     0.33    2.33    7.9     -19.5   17.2    461     1.37
22.0    10.6    2.8     557     1.6     26.6
12.8                                            4.0     7.9     2.3     3.8     1.8
4191.5  3285.5  26595   162     0.33    2.30    7.8
-19.8

4196.5  3290.5  26630   162     0.33    2.35    7.9     -19.6   17.6    399     1.42
21.1    12.8    2.8     484     1.7     25.6
15.5
4201.5  3295.5  26664   162     0.29    2.12    7.8     -19.0
17.5
2.6

4206.5  3300.5  26699   162     0.25    1.93    7.7     -18.6   9.6     388     1.21
22.4    8.2     2.1     429     1.3     24.7
9.0
4211.5  3305.5  26734   162     0.32    2.32    7.9     -19.6
11.3
2.6

4216.5  3310.5  26768   162     0.33    2.23    8.0     -20.0   12.9    383     1.03
22.0    10.5    2.6     440     1.2     25.2
12.1
4221.5  3315.5  26803   162     0.30    2.26    7.8     -20.0
10.9
2.5

4226.5  3320.5  26838   162     0.30    2.30    7.8     -19.4   15.6    380     1.09
23.7    15.0    2.7     450     1.3     28.0
17.7
4231.5  3325.5  26872   162     0.35    2.56    8.0     -19.4
13.1                                    2.9                                     6.08
2.50    232     0.41    3.82    4.2
4236.5  3330.5  26907   162     0.34    2.39    7.7     -19.2   9.5     399     1.53
41.3    17.7    2.6     442     1.7     45.7
19.6                                            6.6     2.5     6.8     2.9
4241.5  3335.5  26942   162     0.30    2.32    7.4     -19.1
8.3
2.5

4246.5  3340.5  26976   162     0.35    2.45    7.9     -19.0   14.3    397     1.57
48.4    16.2    2.9     463     1.8     56.5
18.9
4251.5  3345.5  27011   162     0.34    2.66    7.7     -19.3
9.0
2.9

4256.5  3350.5  27046   162     0.35    2.63    7.9     -19.1   12.0    420     1.92
53.8    18.6    3.0     477     2.2     61.2
21.1
4261.5  3355.5  27081   162     0.33    2.42    8.0     -19.3
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9.6
2.7

4266.5  3360.5  27115   162     0.37    2.83    7.5     -18.9   10.8    473     2.02
57.2    14.8    3.2     530     2.3     64.1
16.6
4271.5  3365.5  27150   162     0.33    2.43    7.6     -19.2
10.2
2.7

4276.5  3370.5  27185   162     0.31    2.18    7.9     -19.4   13.6    445     1.05
21.1    15.6    2.5     514     1.2     24.4
18.1                                    3.6     7.4     1.7     3.5     2.6
4278.5  3372.5  27198
162
                                6.04    2.58    232     0.43
3.84
4281.5  3375.5  27219   162     0.31    2.27    7.9     -19.2
16.3
2.7

4286.5  3378.5  27240   162     0.31    2.32    7.5     -19.6   18.8    432     1.02
24.0    15.4    2.9     532     1.3     29.5
19.0
4291.5  3381    27257   162     0.34    2.48    7.2     -19.3
23.1
3.2

4295.5  3384.5  27282   162     0.33    2.33    6.8     -19.8   19.7    427     1.22
19.1    16.8    2.9     532     1.5     23.8
20.9
4333.5  3387.1  27300   162     0.34    2.48    7.1     -19.6
10.0
2.8

4338.5  3392.1  27334
162
                                6.45    2.94    232     0.46
3.60
4341.5  3395.1  27355   162     0.33    2.31    6.8     -19.6   16.6    375     1.69
55.9    21.0    2.8     450     2.0     74.3
25.2                                    3.6     5.8     2.6     8.7     3.3
4346.5  3400.1  27390   162     0.33    2.47    7.5     -19.6
14.6
2.9

4351.5  3405.1  27425   162     0.34    2.44    7.0     -19.7   18.0    403     1.71
31.6    21.7    3.0     492     2.1     38.6
26.4
4356.5  3410.1  27459   162     0.32    2.15    7.4     -20.2
23.5
2.8

4372.5  3417.9  27513   162     0.32    2.22    7.2     -19.5           342     1.21
15.4
13.2

4377.5  3422.9  27548   162     0.30    2.11    6.3
-19.7
                                        4.3
4379.5  3424.9  27562
162
                                4.91    2.11    155     0.43
3.15
4384.5  3429.9  27597   162                                             367     1.37
16.6
```

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9.1
        7.5     2.8     3.4     1.8
4394.5  3438.9  27659   162     0.35    2.41    8.4     -19.8   18.7    450     1.39
18.5    9.7     3.0     554     1.7     22.8
11.9
4402.5  3446.9  27715   162     0.33    2.18    8.6     -19.3
27.3
3.0

4407.5  3451.9  27749   162     0.33    2.40    9.5     -19.2   20.4    470     1.86
13.6    6.0     3.0     590     2.3     17.0
7.5
4411.5  3455.9  27777   162     0.31    2.14    8.6     -19.1
31.6
3.1

4416.5  3460.9  27812   162     0.31    2.19    8.4     -19.8   25.9    321     1.01
11.2    6.2     2.9     433     1.4     15.2
8.3
4427.5  3471.9  27888
162
                                5.11    2.22    155     0.44
3.03
4431.5  3474.3  27905   162     0.32    2.17    8.6     -19.8
23.0
2.8
4.3
4436.5  3479.3  27939   162     0.35    2.35    8.5     -19.6   23.3    472     1.50
15.2    6.8     3.1     616     2.0     19.8
8.8                                             9.2     2.9     3.0     1.3
4441.5  3484.3  27974   162     0.34    2.30    8.7     -19.5
30.8
3.3

4446.5  3489.3  28009   162     0.32    2.28    8.5     -19.4   25.6    394     1.87
14.9    6.9     3.1     531     2.5     20.0
9.2
4452.5  3496.3  28057   162     0.34    2.26    8.3     -19.7
36.8
3.6

4456.5  3500.3  28085   162     0.31    2.23    6.7     -20.2   28.0    441     2.54
10.9    4.0     3.1     612     3.5     15.1
5.6
4465.5  3507.1  28132   162     0.33    2.24    7.3     -20.6
22.1
2.9

4471.5  3513.1  28174   162     0.33    2.28    7.8     -20.4   22.1    335     1.34
12.6    5.5     2.9     430     1.7     16.2
7.1                                             4.7     6.9     2.8     2.6     1.1
4473.5  3515.1  28188
162
                                4.86    2.08    155     0.43
3.18
4476.5  3518.1  28208   162     0.31    2.08    7.8     -20.5
28.2
2.9

4482.5  3524.1  28250   162     0.32    2.25    7.1     -20.2   31.0    362     1.47
13.5    4.3     3.3     525     2.1     19.5
6.2
4484.5  3526.1  28264   162     0.34    2.26    8.1
-19.3

4486.5  3528.1  28278   162     0.32    2.35    7.4     -20.5
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25.5
3.2

4489.5  3529.1  28285   162     0.31    2.13    8.3     -19.8
24.9
2.8

4495.5  3534    28319   162     0.32    2.21    6.4     -20.4   23.8    371     1.04
11.5    3.1     2.9     487     1.4     15.1
4.1
4501.5  3540    28360   162     0.33    2.16    7.2     -20.5
29.7
3.1

4506.5  3545    28395   162     0.33    2.36    7.3     -20.6   30.5    342     1.43
16.1    7.3     3.4     492     2.1     23.1
10.4
4511.5  3550    28430   162     0.36    2.83    7.9     -20.3
19.5
3.5

4516.5  3555    28464   162     0.36    2.54    8.7     -20.5   12.6    393     1.39
14.2    8.5     2.9     450     1.6     16.3
9.7
4521.5  3560    28499   162     0.40    3.06    9.9     -20.2
40.3                                    5.1                                     5.94
2.50    155     0.42    2.61
4525.5  3564    28527   162     0.37    2.60    9.7     -20.3   17.9    400     1.90
15.4    8.5     3.2     487     2.3     18.8
10.3                                            5.2     6.7     3.2     2.6     1.4
4531.5  3570    28568   162     0.36    2.56    9.0
-19.6

4536.5  3575    28603   162     0.34    2.34    8.7     -19.9   17.6    373     1.74
14.1    8.2     2.8     452     2.1     17.1
10.0
4541.5  3580    28638   162     0.36    2.45    8.9     -19.8
20.4
3.1

4546.5  3585    28673   162     0.37    2.73    8.5     -19.7   11.5    378     1.79
16.3    6.0     3.1     428     2.0     18.4
6.8
4551.5  3590    28707   162     0.34    2.28    7.2     -20.2
15.2
2.7

4558    3596.5  28752   162     0.32    2.01    7.7     -19.6   20.5    335     1.56
12.0    4.5     2.5     422     2.0     15.1
5.7
4561.5  3600    28777   162     0.33    2.33    8.1     -19.6
23.2
3.0

4566.5  3605    28811   162     0.34    2.35    8.1     -19.4   20.0    365     1.37
13.7    5.8     2.9     456     1.7     17.1
7.3                                             6.8     2.6     2.6     1.1
4570.5  3609    28839
162
                        5.34    2.31    232     0.43
4.35
4571.5  3610    28846   162     0.35    2.32    7.3     -19.7
20.7
2.9
4.3
4576.5  3615    28881   162     0.34    2.34    8.0     -19.5   21.9    352     1.11
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14.9    6.4     3.0     450     1.4     19.0
8.2
4581.5  3620    28915   162     0.35    2.34    8.3     -19.8
27.2
3.2

4586.5  3625    28950   162     0.36    2.39    8.4     -19.7   21.8    333     1.31
15.3    6.1     3.1     426     1.7     19.6
7.8
4592.5  3631    28992   162     0.35    2.45    8.4     -19.6
22.6
3.2

4596.5  3635    29019   162     0.36    2.29    8.0     -20.0   27.5    343     1.19
13.2    6.3     3.2     472     1.6     18.2
8.7
4602.5  3642    29068   162     0.34    2.33    8.5     -19.9
19.3
2.9

4606.5  3646    29096   162     0.33    2.34    7.3     -19.6   23.3    316     1.54
15.6    4.3     3.1     412     2.0     20.3
5.6
4611.5  3651    29130   162     0.35    2.45    8.3     -19.4
22.0
3.1

4616.5  3656    29165   162     0.34    2.35    8.0     -19.8   14.8    329     1.30
13.6    4.6     2.8     386     1.5     15.9
5.3
4621.5  3661    29200   162     0.36    2.39    7.9     -19.3
24.7
3.2

4626.5  3666    29234   162     0.34    2.39    8.3     -19.5   12.3    354     1.29
17.1    5.4     2.7     404     1.5     19.5
6.1
4631.5  3671    29275   162     0.33    2.21    8.1     -19.9
29.5
3.1

4635.5  3675    29308   162     0.33    2.25    8.1     -19.5   23.7    323     1.31
14.2    3.3     2.9     424     1.7     18.6    4.3     5.52    2.38    232     0.43
4.21    4.1     5.9     2.4     2.6     0.6
4643.5  3679.1  29342   162     0.37    2.31    7.4     -19.6
24.1
3.0

4646.5  3682.1  29367   162     0.34    2.16    8.1     -20.0   20.8    302     1.06
13.3    5.6     2.7     381     1.3     16.8
7.1
4651.5  3687.1  29408   162     0.37    2.40    7.7     -19.7
24.2
3.2

4656.5  3692.1  29449   162     0.39    2.32    8.6     -19.2   31.5    293     1.24
13.7    7.2     3.4     428     1.8     20.1
10.5
4666.5  3702.1  29531   162     0.32    2.30    8.6     -20.2   29.8    264     1.53
14.1    4.9     3.3     376     2.2     20.0
7.0
4671.5  3707.1  29572   162     0.33    2.39    8.5     -20.3
25.7
3.2

4676.5  3712.1  29613   122     0.31    2.33    8.8     -19.8   29.9    311     1.41
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15.8    6.7     3.3     443     2.0     22.6
9.5
4681.5  3717.1  29654   122     0.36    2.46    8.8     -20.0
25.8                                    3.3                                     4.75
2.00    155     0.42    3.26    5.2
4686.5  3722.1  29695   122     0.34    2.38    8.0     -19.6   27.3    307     1.69
15.9    6.9     3.3     422     2.3     21.9
9.6                                                     6.5     3.6     3.4     1.5
4691.5  3727.1  29736   122     0.32    2.28    8.2     -19.8
29.9
3.3

4696.5  3732.1  29777   122     0.32    2.26    9.1     -19.9   31.7    298     1.27
14.7    6.0     3.3     436     1.9     21.5
8.8
4701.5  3737.1  29818   122     0.35    2.22    9.3     -19.9
28.8
3.1

4706.5  3742.1  29859   122     0.33    2.29    9.5     -19.7   24.2    303     1.35
14.6    7.3     3.0     400     1.8     19.2
9.7
4711.5  3747.1  29900   122     0.36    2.37    9.8     -19.4
30.6
3.4

4716.5  3752.1  29942   122     0.37    2.50    9.7     -19.9   33.2    325     1.33
16.5    5.2     3.7     486     2.0     24.7
7.7
4722.5  3758.1  29991   122     0.32    2.04    10.3    -19.7
32.7
3.0
3.9
4725.5  3761.1  30015
122
                                5.19    2.29    232     0.44
4.48
4727.5  3763.1  30032   122     0.35    2.41    9.0     -19.9   25.9    328     1.10
13.5    8.3     3.2     443     1.5     18.2
11.2                                                    6.3     2.1     2.6     1.6
4731.5  3767.1  30065   122     0.37    2.39    9.7     -19.7
29.0
3.4

4736.5  3772.1  30106   122     0.37    2.57    9.6     -19.5   31.8    365     2.68
12.6    13.5    3.8     535     3.9     18.5
19.8
4741.5  3777.1  30147   122     0.32    2.53    9.6     -19.2
35.7
3.9

4746.5  3782.1  30188   122     0.34    2.18    10.0    -20.0   29.6    300     1.20
12.1    7.9     3.1     426     1.7     17.2
11.2
4752.5  3787.1  30229   122     0.35    2.37    10.1    -19.9
31.1
3.4

4756.5  3791.1  30262   122     0.36    2.59    9.7     -19.7   36.0    397     2.98
12.6    10.0    4.0     621     4.7     19.6
15.6
4761.5  3796.1  30303   122     0.37    2.36    9.6     -19.8
33.2
3.5

4766.5  3801.1  30344   122     0.35    2.39    8.8     -19.3   25.4    340     1.92
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12.7    7.2     3.2     456     2.6     17.0
9.6
4771.5  3806.1  30385   122     0.36    2.47    8.2     -19.7
20.9                                    3.1                                     5.28
2.29    232     0.43    4.40    4.7
4776.5  3811.1  30426   122     0.35    2.26    8.7     -19.5   27.1    286     1.05
14.9    5.6     3.1     392     1.4     20.4
7.7                                                     5.4     2.0     2.8     1.1
4781.5  3816.1  30467   122     0.34    2.25    8.6     -19.5
24.8
3.0

4786.5  3821.1  30508   122     0.36    2.31    8.4     -19.5   23.3    251     1.23
15.2    4.7     3.0     327     1.6     19.9
6.1
4791.5  3826.1  30549   122     0.39    2.49    7.9     -19.2
25.3
3.3

4796.5  3831.1  30590   122     0.39    2.61    8.0     -19.3   18.0    367     1.38
18.9    4.3     3.2     448     1.7     23.0
5.2
4801.5  3836.1  30631   122     0.39    2.67    6.9     -19.3
22.8
3.5

4806.5  3841.1  30673   122     0.39    2.50    7.7     -19.1   27.3    373     1.47
18.2    4.8     3.4     513     2.0     25.1
6.7
4812    3846.6  30718   122     0.42    3.01    7.8
-18.7

4813    3847.6  30726   122     0.36    3.03    8.4     -18.5
14.4
3.5

4816.5  3851.1  30755   122     0.43    2.83    8.0     -19.1   25.6    396     1.51
27.0    10.4    3.8     532     2.0     36.3
14.0
4821.5  3856.1  30796   122     0.37    2.43    7.8     -19.3
15.7                                    2.9                                     5.72
2.49    232     0.44    4.06    4.2
4826.5  3861.1  30837   122     0.40    2.53    8.1     -18.9   20.4    389     1.37
26.7    12.1    3.2     488     1.7     33.6
15.2                                                    6.8     2.4     4.7     2.1
4831.5  3866.1  30878   122     0.37    2.38    7.3     -19.2
19.9
3.0

4836.5  3871.1  30919   122     0.40    2.57    7.4     -19.1   16.9    436     1.55
32.2    14.4    3.1     525     1.9     38.7
17.4
4841.5  3876.1  30960   122     0.39    2.36    7.4     -19.1
23.1
3.1

4849    3883.6  31022   122     0.41    2.84    7.0     -19.2   12.2    552     2.04
43.1    13.6    3.2     628     2.3     49.1
15.5
4856.5  3891.1  31083   122     0.44    2.73    7.7     -18.9
21.7
3.5

4861.5  3896.1  31124   122     0.40    2.52    7.7     -18.7   31.4    365     1.25
20.1    14.6    3.7     532     1.8     29.3
21.3
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4866.5  3901.1  31165   122     0.40    2.51    7.5     -19.2
14.4
2.9

4868.5  3903.1  31171
220
                                7.54    3.28    310     0.44
4.11
4870.5  3905.1  31177   220     0.39    2.48    7.9     -19.0   21.2    315     1.91
19.8    7.9     3.1     400     2.4     25.1
10.0                                            3.3     4.2     2.5     2.6     1.0
4876.5  3911.1  31193   220     0.39    2.46    7.6     -19.2
27.3
3.4

4881.5  3916.1  31207   220     0.37    2.34    8.0     -18.9   27.6    372     1.27
15.7    6.3     3.2     513     1.7     21.6
8.7
4886.5  3921.1  31221   220     0.39    2.38    7.7     -19.4
21.1
3.0

4891.5  3926.1  31235   220     0.38    2.37    7.9     -19.7   25.0    294     1.24
14.8    5.8     3.2     392     1.7     19.7
7.8
4896.5  3931.1  31250   220     0.38    2.23    8.3     -19.6
22.0
2.9

4902.5  3937.1  31266   220     0.38    2.30    8.3     -18.8   25.6    290     1.09
11.9    6.8     3.1     389     1.5     15.9
9.2
4906.5  3941.1  31278   220     0.37    2.39    8.6     -19.2
26.7
3.3

4911.5  3946.1  31292   220     0.39    2.23    8.2     -19.4   24.8    277     0.86
13.9    4.6     3.0     369     1.1     18.5
6.1
4916.5  3951.1  31306   220     0.41    2.52    8.0     -18.9
28.7
3.5

4921.5  3956.1  31320   220     0.36    2.10    8.2     -19.6   27.1    238     1.21
12.7    4.5     2.9     327     1.7     17.4    6.2     5.12    2.13    155     0.42
3.02    4.1     4.6     2.4     2.5     0.9
4926.5  3961.1  31334   220     0.38    2.10    8.0     -18.9
28.7
2.9

4931.5  3966.1  31348   220     0.37    2.13    8.6     -19.7   31.3    289     1.04
13.0    5.8     3.1     421     1.5     19.0
8.4
4936.5  3971.1  31362   220     0.37    2.15    8.4     -19.2
32.2
3.2

4941.5  3976.1  31376   220     0.30    2.33    7.8     -19.0   28.8    301     1.02
12.4    3.8     3.3     423     1.4     17.4
5.3
4946.5  3981.1  31390   220     0.31    2.11    8.8     -19.7
27.1
2.9

4951.5  3986.1  31404   220     0.32    2.35    8.7     -19.2   32.1    275     1.11
14.3    4.7     3.5     405     1.6     21.0
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7.0
4956.5  3991.1  31418   220     0.31    2.40    9.1     -19.2
36.9
3.8

4961.5  3996.1  31432   220     0.31    2.28    8.2     -19.4   32.4    292     1.21
11.5    6.1     3.4     432     1.8     17.1
9.1
4966.5  4001.1  31446   220     0.30    2.24    8.6     -19.4
27.4
3.1

4971.5  4006.1  31460   220     0.30    2.17    9.1     -19.2   27.1    337     0.85
13.9    8.1     3.0     462     1.2     19.1    11.2    5.67    2.36    155     0.42
2.73    3.8     5.9     1.5     2.5     1.4
4976.5  4011.1  31474   220     0.29    2.17    8.7     -19.4
14.6
2.5

4981.5  4016.1  31488   220     0.32    2.28    8.2     -19.4   32.0    262     1.22
12.9    6.4     3.3     385     1.8     19.0
9.4
4986.5  4021.1  31502   220     0.33    2.33    8.0     -19.2
27.3
3.2

4991.5  4026.1  31516   220     0.33    2.27    7.5     -19.4   29.0    380     1.08
10.8    6.1     3.2     536     1.5     15.3
8.6
4996.5  4031.1  31530   220     0.29    1.92    7.8     -19.5
21.6
2.5

5001.5  4036.1  31544   220     0.29    2.13    7.7     -19.4   17.6    333     0.96
12.5    4.4     2.6     404     1.2     15.2
5.4
5006.5  4041.1  31558   220     0.32    2.16    8.3     -19.5
23.7
2.8

5011.5  4046.1  31573   220     0.31    2.27    8.6     -19.1   28.2    285     1.12
13.4    5.5     3.2     396     1.6     18.7
7.6
5016.5  4051.1  31587   220     0.34    2.61    8.4     -18.8
24.7
3.5
4.2
5018.5  4053.1  31592
220
                                6.18    2.63    232     0.43
3.76
5021.5  4056.1  31601   220     0.31    2.38    8.0     -19.4   15.3    400     1.26
15.6    6.3     2.8     472     1.5     18.4
7.5                                             6.5     2.0     2.5     1.0
5027.5  4062.1  31617   220     0.32    2.26    8.1     -18.9
23.0
2.9

5030.5  4065.1  31626   220     0.30    2.20    7.5     -19.3   21.3    304     1.07
13.6    4.7     2.8     385     1.4     17.3
5.9
5035.5  4068.6  31636   220     0.31    2.90    7.9     -18.5
14.9
3.4

5040.5  4073.6  31650   220     0.32    2.53    7.8     -18.9   26.8    352     1.38
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17.0    6.0     3.5     481     1.9     23.2
8.2
5046.5  4077.6  31661   220     0.32    2.57    7.9     -19.3
23.2
3.3

5053.5  4084.6  31681   220     0.30    2.48    7.9     -18.9   24.9    324     1.26
14.1    5.4     3.3     432     1.7     18.8
7.2
5056.5  4087.6  31689   220     0.33    2.55    8.4     -19.0
22.6
3.3

5061.5  4092.6  31703   220     0.28    2.20    7.9     -19.4   25.6    241     1.31
14.0    4.9     2.9     323     1.8     18.9
6.6
5066.5  4097.6  31717   220     0.31    2.45    8.9     -19.3
28.5
3.4

5071.5  4102.6  31731   220     0.33    2.55    8.7     -18.9   28.0    280     1.54
13.4    6.2     3.5     390     2.1     18.7    8.6     5.15    2.13    155     0.41
3.00    5.0     5.4     3.0     2.6     1.2
5076.5  4107.6  31745   220     0.31    2.52    8.5     -19.3
30.7
3.6

5081.5  4112.6  31759   220     0.33    2.48    8.3     -19.2   24.4    388     1.43
17.3    6.8     3.3     513     1.9     22.9
9.0
5086.5  4117.6  31773   220     0.33    2.44    8.2     -19.2
20.7
3.1

5091.5  4122.6  31787   220     0.31    2.34    8.0     -19.4   20.8    327     1.26
16.4    12.5    3.0     413     1.6     20.7
15.8
5096.5  4127.6  31801   220     0.32    2.30    8.2     -19.1
19.0
2.8

5101.5  4132.6  31815   220     0.32    2.25    8.5     -19.6   18.7    341     1.16
19.7    10.7    2.8     420     1.4     24.3
13.1
5106.5  4137.6  31829   220     0.28    2.10    8.0     -19.5
22.2
2.7

5111.5  4142.6  31844   220     0.30    2.18    8.3     -19.2   19.3    352     1.36
21.2    13.4    2.7     437     1.7     26.3
16.7
5116.5  4147.6  31858   220     0.30    2.20    9.2     -19.8
23.0
2.9

5121.5  4152.6  31872   220     0.31    2.43    8.7     -19.3   22.1    295     1.68
19.6    15.1    3.1     379     2.2     25.2    19.4    5.36    2.29    232     0.43
4.33    4.5     5.5     3.1     3.7     2.8
5126.5  4157.6  31886   220     0.30    2.28    9.1     -19.2
20.6
2.9

5131.5  4162    31898   220     0.30    2.32    8.8     -19.2   21.1    328     1.39
15.6    8.7     2.9     416     1.8     19.8
11.1
5137    4163.9  31903   220     0.30    2.20    8.5     -19.0
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24.5
2.9

5144    4164.7  31906   220     0.30    2.31    7.9     -19.6   28.5    372     1.40
14.0    7.3     3.2     520     2.0     19.6
10.2
5154    4165.7  31908   220     0.33    2.37    8.4     -19.2
24.7
3.1

5160.5  4171.7  31925   220     0.30    2.31    8.6     -19.7   28.3    294     1.12
14.6    6.8     3.2     410     1.6     20.4
9.5
5166.5  4177.7  31942   220     0.32    2.41    9.0     -19.2
27.0
3.3
5.6
5170.5  4181.7  31953   220                                             256     1.53
13.5
8.6
        6.0     3.6     3.2     2.0
5171.5  4182.7  31956
220
                                4.28    1.90    232     0.44
5.43
5176.5  4187.7  31970   220     0.33    2.48    9.5     -19.4
23.6
3.2

5181.5  4192.7  31984   220     0.31    2.41    9.0     -19.3   38.0    304     1.32
13.8    9.1     3.9     490     2.1     22.2
14.7
5186.5  4197.7  31998   220     0.30    2.32    9.1     -19.5
24.3
3.1

5191.5  4202.7  32012   220     0.31    2.31    8.6     -19.3   28.6    292     1.66
13.0    7.3     3.2     408     2.3     18.2
10.2
5196.5  4207.7  32026   220     0.32    2.33    9.2     -19.6
31.6
3.4

5202.5  4212.2  32039   220     0.32    2.46    9.3     -19.4   31.3    289     1.27
14.5    6.0     3.6     421     1.9     21.1
8.8
5206.5  4216.2  32050   220     0.31    2.34    8.8     -19.9
30.9
3.4

5211.5  4221.2  32064   220     0.35    2.63    9.3     -19.4   29.7    322     1.54
15.1    4.3     3.7     459     2.2     21.5
6.1
5216.5  4226.2  32078   220     0.33    2.47    9.0     -19.7
28.9
3.5

5221.5  4231.2  32092   220     0.33    2.29    8.9     -19.7   25.1    301     1.04
13.4    5.5     3.1     402     1.4     17.9    7.3     5.03    2.20    155     0.44
3.08    4.6     6.0     2.1     2.7     1.1
5226.5  4236.2  32106   220     0.35    2.45    8.6     -19.8
27.1
3.4

5231.5  4241.2  32120   220     0.31    2.38    7.9     -19.5   14.6    325     1.22
12.2    5.7     2.8     380     1.4     14.3
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6.7
5236.5  4246.2  32134   220     0.34    2.49    8.2     -20.1
21.8
3.2

5241.5  4251.2  32149   220     0.31    2.29    7.8     -20.1   30.9    300     1.33
12.1    5.5     3.3     433     1.9     17.5
7.9
5246.5  4256.2  32163   220     0.29    2.19    8.1     -20.2
30.3
3.1

5251.5  4261.2  32177   220     0.32    2.40    8.0     -20.1   27.7    289     1.22
13.3    5.0     3.3     400     1.7     18.4
6.9
5256.5  4266.2  32191   220     0.33    2.55    9.5     -20.1
27.9
3.5

5261.5  4271.2  32205   220     0.31    2.18    7.5     -20.3   27.1    241     1.28
10.7    7.1     3.0     331     1.7     14.7
9.8
5266.5  4276.2  32219   220     0.33    2.55    7.4     -20.6
26.5
3.5

5271.5  4281.2  32233   220     0.31    2.33    8.3     -20.4   27.8    270     1.56
10.5    6.5     3.2     373     2.2     14.5    9.0     5.18    2.39    232     0.46
4.49    4.5     5.2     3.0     2.0     1.3
5276.5  4286.2  32247   220     0.35    2.77    8.9     -20.4
28.5
3.9

5281.5  4291.2  32261   220     0.32    2.51    8.2     -20.1   30.2    353     1.40
13.5    7.3     3.6     506     2.0     19.3
10.5
5286.5  4296.2  32275   220     0.33    2.47    8.1     -20.3
32.5
3.7

5291.5  4301.2  32289   220     0.33    2.46    6.2     -20.1   29.2    355     1.47
11.4    6.3     3.5     501     2.1     16.1
8.9
5296.5  4306.2  32303   220     0.33    2.31    7.0     -20.0
26.4
3.1

5301.5  4311.2  32317   220     0.32    2.28    7.4     -20.5   25.1    262     1.49
10.9    5.2     3.0     350     2.0     14.5
7.0
5306.5  4316.2  32331   220     0.32    2.34    7.3     -20.0
30.0
3.3

5309.5  4319.2  32339   220     0.30    1.91    7.3     -20.0   27.4    282     1.33
11.2    5.4     2.6     388     1.8     15.4
7.5
5316.5  4326.2  32564   220     0.32    2.73    8.7     -19.7
34.2
4.1

5321.5  4331.2  32724   220     0.29    2.04    8.3     -20.0   39.3    194     1.15
9.0     6.3     3.4     319     1.9     14.8    10.3    5.09    2.27    232     0.45
4.56    4.0     3.8     2.2     1.8     1.2
5326.5  4336.2  32885   220     0.34    2.57    8.4     -19.7
33.8
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3.9

5331.5  4341.2  33045   220     0.33    2.42    8.7     -19.8   41.4    242     1.76
13.7    8.2     4.1     413     3.0     23.4
14.0
5336.5  4346.2  33205   220     0.34    2.59    8.9     -19.4
13.8
3.0

5342    4351.7  33241   154     0.34    2.83    8.9     -19.7   24.3    411     1.46
14.1    8.7     3.7     542     1.9     18.6
11.5
5346.5  4356.2  33270   154     0.35    2.69    7.3     -20.1
34.1
4.1

5367.5  4364.2  33322   154     0.32    2.47    9.0     -19.4   27.5    301     1.52
15.4    4.1     3.4     415     2.1     21.2
5.7                                             4.7     5.8     2.9     3.0     0.8
5371.5  4368.2  33348
154
                                5.21    2.21    155     0.42
2.97
5376.5  4373.2  33381   154                                             250     1.29
12.7
6.4

5381.5  4378.2  33413   154     0.34    2.59    8.2     -19.5
18.7
3.2

5386.5  4383.2  33446   154     0.35    3.05    9.0     -19.4   21.4    292     1.63
17.5    7.1     3.9     371     2.1     22.2
9.0
5391.5  4388.2  33478   154     0.21    1.75    8.7     -19.6
27.4
2.4

5395.5  4392.2  33504   154     0.32    2.47    7.5     -19.7   28.6    289     1.96
15.5    8.2     3.5     404     2.7     21.6
11.5
5401.5  4398.2  33543   154     0.32    2.91    8.5     -18.9
25.5
3.9

5406.5  4403.2  33576   154     0.31    2.45    8.8     -19.6   22.5    225     1.32
14.5    6.0     3.2     290     1.7     18.7
7.7
5412.5  4409.2  33615   154     0.33    2.40    9.9     -19.0
22.5
3.1

5416.5  4413.2  33641   154     0.28    2.43    9.2     -19.2
14.6
2.8

5417    4413.7  33644   154     0.37    2.95    8.2     -19.4   29.2    231     1.58
13.8    5.8     4.2     327     2.2     19.5
8.3                                             4.7     3.2     2.8     1.2
5421.5  4418.2  33673   154     0.32    2.66    8.6     -19.7
28.6                            3.7                             4.89
2.03    155     0.41    3.17    5.4
5426.5  4423.2  33706   154     0.32    2.56    8.7     -19.2   27.0    334     1.52
14.9    5.9     3.5     457     2.1     20.4
8.1
5433    4429.7  33748   154     0.31    2.49    8.9     -19.0
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20.7
3.1

5436.5  4433.2  33771   154     0.32    2.48    8.1     -19.6   28.6    288     1.38
13.9    4.0     3.5     403     1.9     19.5
5.6
5441.5  4438.2  33803   154     0.30    2.47    8.7     -19.4
21.8
3.2

5446.5  4443.2  33836   154     0.29    2.28    8.2     -19.2   31.9    241     1.66
13.9    5.4     3.3     355     2.4     20.4
7.9
5451.5  4448.2  33868   154     0.29    2.37    8.7     -19.5
16.0
2.8

5456.5  4453.2  33901   154     0.33    2.51    8.8     -19.7   26.7    326     3.80
13.7    5.5     3.4     445     5.2     18.7
7.6
5461.5  4458.2  33933   154     0.30    2.45    8.9     -19.8
18.2
3.0

5466.5  4463.2  33966   154     0.30    2.53    9.1     -19.5   19.3    320     1.28
16.6    5.4     3.1     397     1.6     20.6
6.7
5471.5  4468.2  33998   154     0.34    2.62    9.0     -19.5
27.5
3.6
5.3
5473.5  4470.2  34011
154
                                4.99    2.13    155     0.43
3.11
5476.5  4473.2  34031   154                                             274     1.29
14.8
4.6
        5.5     2.6     3.0     0.9
5481.5  4478.2  34063   154     0.26    2.28    9.3     -19.1
28.5
3.2

5486.5  4483.2  34096   154     0.32    2.53    9.8     -19.2   31.0    274     1.33
14.4    8.2     3.7     397     1.9     20.9
11.8
5496.5  4493.2  34161   154     0.31    2.52    9.7     -19.2   19.4    278     1.48
14.3    6.1     3.1     344     1.8     17.8
7.6
5506.5  4503.2  34226   154     0.31    2.40    9.2     -19.4   18.3    256     1.29
12.9    6.6     2.9     314     1.6     15.8
8.1
5511.5  4508.2  34258   154     0.32    2.59    8.9     -19.3
22.1
3.3

5516.5  4513.2  34291   154     0.29    2.33    9.7     -19.3   23.5    247     1.32
14.5    9.6     3.0     322     1.7     18.9
12.5                                    4.2
5523.5  4520.2  34336
154
                                5.52    2.27    155     0.41
2.81
5526.5  4523.2  34356   154                                             281     1.61
13.6
7.1
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        5.1     2.9     2.5     1.3
5531.5  4528.2  34388   154     0.30    2.48    10.4    -19.8
20.9
3.1

5536.5  4533.2  34421   154     0.32    2.47    10.8    -19.7   27.9    282     2.16
10.9    7.6     3.4     391     3.0     15.2
10.6
5546.5  4543.2  34486   154     0.30    2.67    10.4    -18.9   29.2    407     2.14
19.2    9.0     3.8     575     3.0     27.1
12.7
5551.5  4548.2  34518   154     0.32    2.52    10.0    -19.2
26.9
3.5

5556.5  4553.2  34551   154     0.30    2.37    10.1    -19.3   19.1    315     1.35
14.9    11.6    2.9     389     1.7     18.5
14.3
5561.5  4558.2  34583   154                                             419     1.72
25.1
9.2

5566.5  4563.2  34616   154     0.31    2.22    9.1     -19.4   27.5    286     1.74
13.5    9.2     3.1     395     2.4     18.6
12.7                                    3.7     4.8     2.9     2.3     1.6
5568.5  4565.2  34629
154
                        5.96    2.53    232     0.42
3.90
5581.5  4569.7  34658   154     0.34    2.74    8.7     -19.0   21.7    409     1.72
15.6    9.2     3.5     522     2.2     19.9
11.7
5586.5  4574.7  34691   154     0.32    2.52    8.5     -19.3   31.6    290     1.56
16.1    8.1     3.7     424     2.3     23.6
11.8
5591.5  4579.7  34723   154     0.33    2.61    7.9     -19.0   41.0    342     1.54
19.0    11.4    4.4     580     2.6     32.2
19.4
5595.5  4583.7  34749   154     0.33    2.39    8.6     -19.2   13.7    309     1.43
20.2    8.4     2.8     358     1.7     23.4
9.7
5604.5  4587.5  34774   154     0.31    2.56    8.7     -19.1   22.1    380     1.86
42.0    16.7    3.3     488     2.4     53.9
21.5
5611.5  4594.5  34819   154     0.35    2.67    9.4     -19.1   25.2    342     1.76
49.9    20.6    3.6     458     2.4     66.7
27.5
5616.5  4599.5  34852   154     0.29    2.54    8.2     -18.9   38.2    389     1.61
36.0    18.3    4.1     630     2.6     58.3
29.7
5621.5  4604.5  34884   154     0.33    2.48    8.8     -19.2   11.7    324     1.30
22.0    14.6    2.8     366     1.5     24.9    16.5    5.90    2.75    232     0.47
3.94    4.2     5.5     2.2     3.7     2.5
5626.5  4609.5  34917   154     0.34    2.51    8.9     -19.0   19.3    356     1.56
24.8    16.1    3.1     440     1.9     30.8
19.9
5631.5  4614.5  34949   154     0.33    2.62    8.9     -18.9   23.7    330     1.57
25.5    17.2    3.4     432     2.1     33.4
22.5
5636.5  4619.5  34982   154     0.34    2.49    8.7     -19.2   13.7    298     1.38
25.7    17.3    2.9     345     1.6     29.7
20.0
5641.5  4624.5  35015   154     0.31    2.41    8.5     -19.2   31.5    313     1.53
16.8    10.3    3.5     458     2.2     24.5
15.1
5646.5  4629.5  35047   154     0.31    2.39    8.7     -19.1   26.0    395     1.67
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28.9    12.4    3.2     534     2.3     39.1
16.7
5653.5  4636.5  35093   154     0.30    2.31    9.1     -18.9   21.6    304     1.80
19.7    8.1     2.9     388     2.3     25.2
10.3
5658.5  4641.5  35125   154     0.32    2.50    9.9     -19.1   22.4    279     1.40
21.8    12.8    3.2     359     1.8     28.1
16.4
5661.5  4644.5  35145   154     0.33    2.35    10.0    -19.2   21.7    341     2.04
31.8    13.1    3.0     436     2.6     40.6
16.7
5666.5  4649.5  35177   154     0.33    2.48    10.3    -19.2   20.0    385     2.16
41.2    12.8    3.1     481     2.7     51.5
16.1
5671.5  4654.5  35210   154     0.31    2.19    10.2    -19.3   19.4    327     1.88
42.5    15.5    2.7     405     2.3     52.7    19.2    5.84    2.67    232     0.46
3.98    3.8     5.6     3.2     7.3     2.6
5676.5  4659.5  35242   154     0.36    2.72    10.5    -19.4   18.0    467     1.97
33.2    16.4    3.3     570     2.4     40.5
20.0
5681.5  4664.5  35275   154     0.34    2.86    10.3    -19.0   20.5    365     2.20
24.1    15.4    3.6     460     2.8     30.3
19.4
5686.5  4669.5  35307   154     0.35    2.57    10.6    -19.3   19.9    404     2.20
43.0    16.8    3.2     504     2.7     53.7
21.0
5691.5  4674.5  35340   154     0.30    2.60    10.5    -19.3   22.3    399     2.22
43.5    19.9    3.3     513     2.9     55.9
25.7
5696.5  4679.5  35601   154     0.35    2.70    9.9     -19.6   25.3    463     2.62
45.1    16.8    3.6     621     3.5     60.4
22.4
5701.5  4684.5  35862   19      0.33    2.52    10.0    -19.6   18.5    453     2.05
59.5    25.6    3.1     556     2.5     72.9
31.4
5706.5  4689.5  36123   19      0.34    2.61    9.6     -19.3   17.6    451     2.04
53.1    25.9    3.2     547     2.5     64.4
31.4
5711.5  4694.5  36384   19      0.31    2.13    10.1    -19.4   15.3    368     1.65
30.5    18.5    2.5     435     1.9     36.0
21.9
5716.5  4699.5  36645   19      0.30    2.14    9.4     -19.4   24.5    479     1.98
31.9    18.5    2.8     635     2.6     42.2
24.5
5721.5  4704.5  36907   19      0.30    2.24    9.0     -19.1   20.4    411     2.15
50.4    21.4    2.8     517     2.7     63.3    26.9    6.11    2.85    310     0.47
5.07    3.7     6.7     3.5     8.2     3.5
5724.5  4707.5  37063   19      0.30    2.28    9.5     -19.1   16.3    416     2.11
59.4    20.3    2.7     497     2.5     71.0
24.2
5786.5  4712.3  37314   19      0.32    2.36    9.6     -19.3   20.6    380     1.74
53.8    16.3    3.0     479     2.2     67.7
20.5
5791.5  4717.3  37575   19      0.32    2.39    10.1    -19.2   18.8    438     2.02
56.9    18.0    2.9     539     2.5     70.1
22.1
5795.5  4721.3  37784   19      0.31    2.42    10.6    -19.0   21.9    408     2.73
74.1    12.3    3.1     523     3.5     94.8
15.8
5827.5  4726.8  37909   44      0.30    2.34    9.6     -19.7   19.1    469     2.65
47.9    12.0    2.9     580     3.3     59.2
14.8
5831.5  4730.8  38000   44      0.32    2.52    9.2     -19.5   16.6    371     2.37
41.7    14.4    3.0     445     2.8     50.0
17.2
5836.5  4735.8  38114   44      0.36    2.79    9.4     -19.2   13.6    449     2.09
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35.5    14.8    3.2     520     2.4     41.1
17.1
5841.5  4740.8  38227   44      0.35    2.74    9.3     -19.1   16.4    396     2.13
43.1    17.7    3.3     473     2.6     51.6
21.2
5844.5  4743.8  38295   44      0.34    2.55    9.3     -19.3   20.7    357     2.49
57.9    21.1    3.2     450     3.1     73.0
26.6
5875.5  4750.8  38454   44      0.30    2.44    9.3     -19.3   22.2    395     1.70
29.6    14.0    3.1     508     2.2     38.0
18.0
5881.5  4756.8  38590   44      0.33    2.46    9.1     -19.5
16.3                                    2.9                                     6.20
2.77    310     0.45    5.00    4.0
5886.5  4761.8  38704   44      0.36    2.76    8.9     -19.4   23.0    351     1.86
28.6    19.1    3.6     455     2.4     37.1
24.8                                                    5.7     3.0     4.6     3.1
5891.5  4766.8  38818   44      0.34    2.71    9.4     -19.3
20.2
3.4

5896.5  4771.8  38931   44      0.33    2.57    9.3     -19.8   21.5    408     1.84
39.4    11.9    3.3     520     2.3     50.1
15.2
5901.5  4776.8  39045   44      0.25    2.09    9.1     -19.5
28.6
2.9

5906.5  4781.8  39158   44                                              332     1.45
28.0
10.1

5911.5  4786.8  39272   44      0.31    2.20    8.4     -19.4
23.7
2.9

5918    4793.3  39419   44      0.34    2.62    8.6     -19.1   26.4    371     1.58
31.1    17.6    3.6     504     2.2     42.2
23.9                                            4.6     6.5     2.8     5.4     3.1
5921.5  4796.8  39462
83
                        5.74    2.62    310     0.46
5.39
5926.5  4801.8  39522   83      0.32    2.26    8.6     -19.9
26.1
3.1

5931.5  4806.8  39583   83      0.31    2.16    9.4     -19.6   27.9    312     1.35
16.0    13.5    3.0     433     1.9     22.2
18.7
5936.5  4811.8  39643   83      0.31    2.20    9.2     -19.4
25.6
3.0

5941.5  4816.8  39703   83      0.30    2.16    9.2     -19.6   25.1    344     1.33
13.4    11.9    2.9     459     1.8     17.9
15.9
5946.5  4821.8  39764   83      0.29    2.09    9.4     -19.8
27.2
2.9

5952.5  4828.8  39849   83      0.30    2.18    9.1     -19.6   28.9    353     1.46
32.7    9.9     3.1     496     2.1     45.9
14.0
5956.5  4832.8  39897   83      0.29    2.27    9.4     -19.3
31.0
```

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3.3

5961.5  4837.8  39957   83      0.32    2.42    9.3     -19.6   29.7    358     1.70
49.0    13.2    3.4     509     2.4     69.7
18.8
5966.5  4842.8  40018   83      0.30    2.26    8.9     -19.4
25.0
3.0

5971.5  4847.8  40078   83      0.31    2.29    9.3     -19.3   21.0    362     2.32
63.4    13.4    2.9     458     2.9     80.2    17.0    5.57    2.59    310     0.46
5.56    4.1     6.5     4.2     11.4    2.4
5976.5  4852.8  40139   83      0.32    2.33    8.9     -19.1
22.3
3.0

5981.5  4857.8  40199   83      0.31    2.43    9.6     -19.3   37.9    389     1.78
57.7    17.3    3.9     627     2.9     93.0
27.8
5986.5  4862.8  40259   83      0.32    2.37    9.9     -19.4
38.6
3.9

5991.5  4867.8  40320   83      0.31    2.49    9.7     -19.3   30.0    354     1.72
46.4    21.2    3.6     506     2.5     66.3
30.4
5996.5  4872.8  40380   83      0.33    2.43    9.2     -19.3
32.4
3.6

6001.5  4877.8  40441   83      0.32    2.37    8.4     -19.9   34.3    355     1.39
21.2    14.7    3.6     540     2.1     32.2
22.4
6006.5  4882.8  40501   83      0.30    2.24    8.6     -19.7
35.2
3.5

6011.5  4887.8  40562   83      0.31    2.22    8.8     -19.9   29.9    356     1.42
18.9    15.3    3.2     507     2.0     27.0
21.9
6016.5  4892.8  40622   83      0.32    2.31    9.6     -19.8
33.2
3.5

6021.5  4897.8  40683   83      0.31    2.28    8.5     -19.8   31.9    327     1.28
14.1    13.1    3.3     480     1.9     20.7    19.3    5.46    2.39    310     0.44
5.68    4.2     6.0     2.3     2.6     2.4
6026.5  4902.8  40743   83      0.32    2.54    8.9     -19.4
29.5
3.6

6031.5  4907.8  40803   83      0.34    2.47    9.0     -19.6   27.1    306     1.41
21.8    15.2    3.4     420     1.9     29.8
20.9
6036.5  4912.8  40864   83      0.29    2.32    8.7     -19.7
33.7
3.5

6041.5  4917.8  40924   83      0.32    2.19    8.6     -19.8   24.8    329     1.35
14.0    13.0    2.9     437     1.8     18.6
17.3
6046.5  4922.8  40985   83      0.32    2.27    8.4     -19.9
25.6
3.1

6051.5  4927.8  41045   83      0.30    2.32    8.5     -19.5   34.2    392     1.31
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20.9    15.9    3.5     596     2.0     31.7
24.3
6056.5  4932.8  41120   67      0.29    2.24    8.8     -19.9
41.0
3.8

6061.5  4937.8  41194   67      0.34    2.62    9.0     -19.4   26.4    319     2.46
34.4    12.7    3.6     434     3.3     46.6    17.3    5.46    2.45    232     0.45
4.25    4.8     5.8     4.5     6.3     2.3
6071.5  4947.8  41343   67      0.29    2.17    8.7     -19.9
30.2
3.1

6148.5  4969.2  41662   67      0.30    2.21    8.6     -19.9   37.0    294     1.54
26.7    11.6    3.5     467     2.4     42.3
18.4
6154.5  4975.2  41751   67      0.32    2.31    8.6     -19.0
43.7
4.1

6161.5  4982.2  41855   67      0.33    2.38    7.8     -20.0   32.9    307     2.05
13.0    9.8     3.5     457     3.1     19.3
14.5
6166.5  4987.2  42082   22      0.31    2.34    7.6     -19.8
31.5
3.4

6171.5  4992.2  42309   22      0.31    2.25    9.6     -20.0   28.7    308     1.70
12.0    10.5    3.1     432     2.4     16.7    14.8    4.51    2.03    155     0.45
3.43    5.0     6.8     3.8     2.7     2.3
6176.5  4997.2  42535   22      0.32    2.39    8.7     -19.8
36.1
3.7

6181.5  5002.2  42762   22      0.32    2.47    9.0     -19.3   30.9    367     2.02
14.1    11.7    3.6     530     2.9     20.3
16.9
6186.5  5007.2  42989   22      0.34    2.63    8.9     -19.5
31.9
3.9

6191.5  5012.2  43215   22      0.33    2.59    9.3     -19.0   29.5    307     2.03
17.9    12.1    3.7     435     2.9     25.2
17.2
6196.5  5017.2  43442   22      0.34    2.66    9.2     -19.5
27.1
3.6

6201.5  5022.2  43565   41      0.34    2.55    9.2     -19.8   33.7    374     2.43
13.9    10.8    3.8     564     3.7     20.9
16.3
6207.5  5028.2  43711   41      0.37    2.97    9.5     -19.5
24.8
4.0

6211.5  5032.2  43809   41      0.37    2.88    9.5     -19.3   25.6    402     2.38
18.5    9.6     3.9     541     3.2     24.8
13.0
6216.5  5037.2  43932   41      0.33    2.54    9.1     -19.6
34.2
3.9

6221.5  5042.2  44054   41      0.42    3.06    7.5     -19.7   41.0    280     2.53
12.7    8.1     5.2     475     4.3     21.4    13.8    4.21    1.72    77      0.41
1.84    7.3     6.7     6.0     3.0     1.9
6226.5  5047.2  44177   41      0.35    2.84    9.4     -19.8
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26.4
3.8

6230.5  5051.2  44275   41      0.32    2.61    9.3     -19.5   30.2    337     2.27
18.5    9.2     3.7     482     3.3     26.4
13.1
6236.5  5057.2  44422   41      0.31    2.38    9.7     -19.7
37.0
3.8

6241.5  5062.2  44544   41      0.30    2.02    10.1    -20.3   43.7    342     2.00
12.4    7.0     3.6     608     3.6     21.9
12.5
6246.5  5067.2  44667   41      0.31    2.28    10.9    -19.6
32.9
3.4

6252.5  5073.2  44814   41      0.33    2.35    9.6     -20.1   31.5    327     1.55
13.3    8.1     3.4     477     2.3     19.3
11.8
6256.5  5077.2  44912   41      0.31    2.43    9.4     -19.9
28.7
3.4

6261.5  5082.2  45034   41      0.29    2.21    10.0    -19.7   36.1    256     1.45
10.6    7.5     3.5     401     2.3     16.5
11.7
6266.5  5087.2  45157   41      0.28    1.96    9.7     -20.2
30.9
2.8

6271.5  5092.2  45279   41      0.30    2.17    11.2    -19.5   46.3    302     1.98
10.2    5.6     4.0     563     3.7     18.9    10.4    3.90    1.71    155     0.44
3.98    5.6     7.8     5.1     2.6     1.4
6276.5  5097.2  45402   41      0.30    2.17    10.9    -19.9
33.1
3.2

6281.5  5102.2  45524   41      0.30    2.19    10.7    -19.2   46.4    318     2.04
10.8    4.1     4.1     594     3.8     20.0
7.7
6286.5  5107.2  45647   41      0.30    2.10    10.3
-19.8

6291.5  5112.2  45769   41      0.29    2.01    10.4    -19.8   44.1    355     1.57
10.9    7.0     3.6     635     2.8     19.4
12.5
6300.5  5118.7  45928   41      0.27    1.96    10.8    -20.1
55.7
4.4

6308.5  5126.7  46124   41      0.29    2.07    9.3     -19.6   42.6    364     1.80
9.6     3.8     3.6     634     3.1     16.5
6.7
6317.5  5132.7  46271   41      0.30    2.25    11.1    -20.5
42.1
3.9

6323.5  5138.7  46418   41      0.31    2.20    11.1    -19.9   46.6    307     1.87
17.0    14.0    4.1     576     3.5     31.7
26.3                                    6.8     9.6     5.8     5.3     4.4
6326.5  5141.7  46492
142
                        3.22    1.42    77      0.44
2.41
6331.5  5146.4  46607   142     0.27    2.15    10.9    -20.2
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44.2
3.9

6336.5  5151.4  46507   142     0.29    2.33    11.1    -19.7   43.3    392     1.68
16.8    12.2    4.1     692     3.0     29.6
21.4
6341.5  5156.1  46540   142     0.26    1.91    10.9    -20.1
59.6
4.7

6346.5  5161.1  46576   142     0.26    2.16    10.9    -20.1           312     1.53
14.8
11.5

6351.5  5166.1  46611   142     0.28    2.28    11.3    -20.3
50.7
4.6

6356.5  5171.1  46646   142     0.27    2.05    10.5    -20.1           337     1.53
13.4
10.8

6360.5  5175.1  46674   142     0.25    2.01    10.2    -19.9
50.0
4.0

6366.5  5180.3  46710   142     0.27    2.03    9.8     -20.2   58.5    303     1.19
14.1    8.9     4.9     730     2.9     33.8
21.5
6371.5  5185.3  46746   142     0.29    2.23    9.7     -20.2
36.2                                    3.5                             5.28
2.35    232     0.45    4.40
6376.5  5190.3  46781   142     0.26    1.91    9.5     -20.4   43.5    310     1.34
15.7    8.8     3.4     549     2.4     27.7
15.5                                            3.6     5.9     2.5     3.0     1.7
6381.5  5195.3  46816   142     0.26    2.06    9.2     -20.1
36.6
3.2

6386.5  5200.3  46851   142     0.27    2.00    9.1     -19.5   49.8    298     1.29
14.7    7.7     4.0     594     2.6     29.2
15.4
6396.5  5210.3  46921   142                                             272     1.64
17.3
9.0

6401.5  5215.3  46956   142     0.26    2.10    9.8     -19.9
33.3
3.2

6406.5  5220.3  46991   142     0.27    2.09    10.2    -20.2   33.3    228     1.39
18.7    7.6     3.1     341     2.1     27.9
11.4
6418.5  5232.3  47076   142                                             347     1.31
18.1
6.6
        6.5     2.5     3.4     1.2
6421.5  5235.3  47097
142
                                5.32    2.32    155     0.44
2.91
6422.5  5236.3  47104   142     0.29    2.46    9.6     -20.0
23.9
3.2
4.6
6427.5  5241.3  47139   142     0.30    2.50    9.2     -19.7   27.7    336     1.77
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26.9    6.5     3.5     465     2.4     37.1
9.0
6431.5  5245.3  47167   142     0.27    2.29    9.4     -20.1
26.4
3.1

6436.5  5250.3  47202   142     0.32    2.44    9.3     -19.8   26.6    303     1.17
18.5    5.6     3.3     413     1.6     25.1
7.6
6441.5  5255.3  47237   142     0.28    2.36    9.6     -20.0
28.3
3.3

6446.5  5260.3  47272   142     0.28    2.23    9.6     -20.0           265     1.13
15.7
4.5

6452.5  5267.3  47321   142     0.25    2.32    9.1     -20.1
31.1
3.4

6456.5  5271.3  47350   142     0.25    2.26    8.8     -19.9   34.0    249     1.30
16.7    4.7     3.4     378     2.0     25.2
7.1
6461.5  5276.3  47385   142     0.27    2.37    8.7     -20.0
30.7
3.4

6466.5  5281.3  47420   142     0.29    2.44    9.6     -19.7   29.4    285     1.35
18.2    5.4     3.5     404     1.9     25.6
7.7                                             6.2     2.9     3.9     1.2
6470.5  5285.3  47448
142
                        4.62    1.99    155     0.43
3.36
6471.5  5286.3  47455   142     0.27    2.20    9.3     -19.9
29.2
3.1
4.8
6476.5  5291.3  47490   142     0.26    2.12    8.8     -19.9   35.1    285     1.28
15.7    4.8     3.3     440     2.0     24.1
7.5
6481.5  5296.3  47525   142     0.27    2.28    8.9     -20.0
32.5
3.4

6487.5  5302.3  47567   142     0.30    2.45    9.0     -19.7   35.2    273     1.21
18.7    5.6     3.8     421     1.9     28.7
8.7
6492.5  5307.3  47602   142     0.26    2.34    8.9     -19.9
33.4
3.5

6496.5  5311.3  47630   142     0.25    2.48    9.1     -19.8   36.0    322     1.59
17.2    6.7     3.9     503     2.5     26.8
10.5
6501.5  5316.3  47666   142     0.25    2.33    9.6     -20.0
32.0
3.4

6506.5  5321.3  47701   142     0.30    2.52    9.5     -19.9   25.7    250     1.39
17.4    5.4     3.4     337     1.9     23.3
7.3
6511.5  5326.3  47736   142     0.28    2.44    9.9     -20.0
33.0
3.6
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6517.5  5332.3  47778   142     0.28    2.41    9.3     -19.9   32.3    262     1.59
17.7    4.8     3.6     386     2.4     26.1
7.0                                             5.7     3.4     3.8     1.0
6521.5  5336.3  47806   142     0.30    2.48    9.6     -19.9
29.3                            3.5                                     4.63
2.01    155     0.43    3.35    5.4
6526.5  5341.3  47841   142     0.33    2.67    9.3     -19.6           370     1.63
17.5
5.3

6531.5  5346.3  47876   142     0.26    2.28    8.3
-19.9

6536.5  5351.3  47911   142     0.28    2.06    8.6     -19.9           420     1.60
15.6
4.3

6541.5  5356.3  47947   142     0.27    2.25    8.3
-20.1

6546.5  5361.3  47982   142     0.27    2.35    9.2     -20.0           342     1.46
19.0
3.9

6551.5  5366.3  48017   142     0.31    2.62    9.5
-20.0

6556.5  5371.3  48052   142     0.30    2.49    9.4     -19.8           305     1.26
19.7
5.7

6561.5  5376.3  48087   142     0.31    2.51    9.0
-19.9

6566.5  5381.3  48122   142     0.30    2.29    9.5     -19.9           252     1.37
18.3
5.3

6571.5  5386.3  48157   142     0.28    2.38    8.9
-19.9
5.33    2.36    155     0.44    2.90    4.5
6576.5  5391.3  48192   142     0.28    2.21    9.3     -20.3           278     1.30
16.2
5.0
        5.2     2.4     3.0     0.9
6581.5  5396.3  48227   142     0.29    2.30    9.2
-19.9

6586.5  5401.3  48263   142     0.30    2.34    8.3     -20.0           340     1.74
17.2
7.3

6591.5  5406.3  48298   142     0.31    2.43    9.3
-19.8

6596.5  5411.3  48333   142     0.27    2.29    8.8     -19.8           390     1.50
21.3
5.6

6602.5  5417.3  48375   142     0.29    2.34    9.1
-19.9

6606.5  5421.3  48403   142     0.30    2.31    9.1     -19.9           305     0.99
16.8
12.1
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6611.5  5426.3  48438   142     0.30    2.34    8.7
-19.9

6616.5  5431.3  48473   142     0.25    2.21    9.3     -20.1           286     1.15
16.4
10.0
        5.7     2.3     3.3     2.0
6621.5  5436.3  48508   142     0.28    2.32    9.0
-20.0
5.04    2.27    155     0.45    3.07    4.6
6626.5  5441.3  48543   142     0.28    2.28    8.9     -20.1           368     1.53
16.2
9.6

6631.5  5446.3  48579   142     0.30    2.47    8.9
-19.8

6636.5  5451.3  48614   142     0.25    2.45    7.9     -19.9           388     1.60
23.1
18.9

6641.5  5456.3  48649   142     0.26    2.53    8.4
-19.8

6646.5  5461.3  48684   142     0.26    2.51    8.5     -19.7   28.9    385     1.99
39.3    11.6    3.5     542     2.8     55.2
16.4
6651.5  5466.3  48719   142     0.28    2.62    8.4     -19.7
27.5
3.6

6656.5  5471.3  48754   142     0.28    2.62    8.1     -20.0   24.6    443     1.95
39.1    11.5    3.5     587     2.6     51.7
15.2
6661.5  5476.3  48789   142     0.27    2.53    8.5     -19.9
32.5
3.7

6666.5  5481.3  48824   142     0.23    2.08    7.8     -20.3   27.2    339     2.62
28.1    8.5     2.9     466     3.6     38.6
11.7
6671.5  5486.3  48860   142     0.23    2.32    8.4     -19.9
25.3                                    3.1                             5.21
2.21    155     0.42    2.97    4.5
6676.5  5491.3  48895   142     0.27    2.51    8.2     -19.9   26.8    381     1.60
25.8    10.5    3.4     521     2.2     35.2
14.4                                                    7.3     3.1     5.0     2.0
6681.5  5496.3  48930   142     0.26    2.50    8.3     -19.7
38.7
4.1

6686.5  5501.3  48965   142     0.26    2.35    8.2     -19.9   35.4    339     1.73
18.7    5.2     3.6     525     2.7     28.9
8.0
6691.5  5506.3  49000   142     0.21    1.97    8.2     -20.1
42.6
3.4

6696.5  5511.3  49032   154     0.24    2.10    8.0     -20.0   39.1    459     3.96
13.3    5.5
3.4

6701.5  5516.3  49065   154     0.25    2.29    8.3     -19.9
34.5
3.5
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6706.5  5521.3  49097   154     0.27    2.48    7.9     -20.0   35.2    414     1.41
17.5    10.1    3.8     639     2.2     26.9
15.6
6712.5  5527.3  49136   154     0.26    2.48    7.7     -20.0
35.8
3.9

6716.5  5531.3  49162   154     0.25    2.34    8.3     -20.0   36.8    407     1.80
17.3    8.4     3.7     643     2.8     27.2
13.3
6721.5  5536.3  49195   154     0.24    2.23    8.6     -20.0
31.8                                    3.3                                     4.96
2.22    232     0.45    4.69    4.5
6726.5  5541.3  49227   154     0.24    2.29    8.6     -19.9   35.6    292     1.56
13.3    5.9     3.6     453     2.4     20.5
9.2                                                     5.9     3.2     2.7     1.2
6733.5  5548.3  49272   154     0.23    2.19    8.5     -19.9
38.6
3.6

6736.5  5551.3  49292   154     0.24    2.19    8.8     -20.0   37.7    284     1.72
14.7    6.6     3.5     455     2.8     23.4
10.6
6741.5  5556.3  49324   154     0.23    2.16    8.8     -20.1
40.4
3.6

6745.5  5560.3  49350   154     0.24    2.16    9.0     -20.2   39.8    278     1.76
13.6    7.1     3.6     463     2.9     22.5
11.7
6753.5  5568.3  49402   154     0.25    2.40    8.6     -20.0
36.1
3.8

6756.5  5571.3  49422   154     0.27    2.56    9.1     -19.7   37.0    333     1.58
14.4    6.9     4.1     529     2.5     22.8
11.0
6761.5  5576.3  49454   154     0.25    2.44    8.8     -19.7
38.1
3.9

6766.5  5581.3  49487   154     0.24    2.33    9.0     -19.9   38.9    292     1.22
13.2    8.2     3.8     477     2.0     21.6
13.4
6771.5  5586.3  49519   154     0.26    2.52    9.2     -19.9
36.3
3.9

6776.5  5591.3  49551   154     0.26    2.56    9.7     -19.9   37.7    243     1.42
13.7    9.7     4.1     390     2.3     21.9
15.7                                            5.2     4.9     2.9     2.8     2.0
6778.5  5593.3  49564
154
                                4.91    2.10    155     0.43
3.15
6781.5  5596.3  49584   154     0.25    2.43    9.5     -20.1
39.5
4.0

6786.5  5601.3  49616   154     0.27    2.48    10.1    -20.1   43.5    341     2.69
13.2    8.5     4.4     604     4.8     23.4
15.0
6791.5  5606.3  49649   154     0.26    2.46    10.1    -20.1
39.1
4.0
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6797    5611.8  49684   154     0.24    2.20    9.8     -20.0   37.8    291     2.89
11.2    7.8     3.5     467     4.6     17.9
12.6
6801.5  5616.3  49714   154     0.25    2.36    9.6     -20.3
42.8
4.1

6806.5  5621.3  49746   154     0.23    2.17    8.8     -20.5   44.7    239     1.75
11.5    5.8     3.9     432     3.2     20.7
10.4
6812.25 5627.05 49783   154     0.28    2.86    9.2     -19.9
31.8
4.2

6817    5631.8  49814   154     0.28    2.97    9.3     -19.5   35.3    393     1.60
18.5    10.0    4.6     607     2.5     28.7
15.5                                                    8.6     3.5     4.1     2.2
6821.5  5636.3  49843   154     0.24    2.30    9.3     -20.0
37.8                                    3.7                             4.55
1.93    155     0.42    3.40    5.1
6826.5  5641.3  49876   154     0.26    2.55    9.6     -19.8   42.9    324     1.62
17.9    11.0    4.5     568     2.8     31.4
19.3
6831.5  5646.3  49908   154     0.25    2.37    10.0    -19.8
40.0
4.0

6836.5  5651.3  49941   154     0.25    2.30    10.4    -20.0   38.5    338     3.24
11.4    6.5     3.7     549     5.3     18.5
10.6
6841.5  5656.3  49973   154     0.28    2.55    10.5    -20.0
44.1
4.6

6846.5  5661.3  50006   154     0.24    2.35    10.0    -20.1   43.5    242     2.05
12.1    7.4     4.2     429     3.6     21.3
13.1
6851.5  5666.3  50038   154     0.25    2.21    10.1    -20.4
38.9
3.6

6858    5672.8  50080   154     0.27    2.83    9.9     -20.1   36.5    348     1.72
14.0    8.6     4.5     548     2.7     22.0
13.6
6864.5  5679.3  50122   154     0.28    2.89    9.3     -19.6
36.4
4.5

6871.5  5686.3  50168   154     0.27    2.58    9.8     -19.8   43.6    311     1.66
15.0    8.9     4.6     551     2.9     26.6    15.8    4.73    2.01    155     0.43
3.28    5.5     6.6     3.5     3.2     1.9
6876.5  5691.3  50200   154     0.25    2.22    9.8     -20.3
35.8
3.5

6881.5  5696.3  50233   154     0.26    2.55    10.2    -20.2   41.2    280     1.33
15.7    16.2    4.3     476     2.3     26.7
27.6
6887    5701.8  50268   154     0.25    2.25    9.3
-20.1

6891.5  5706.3  50297   154     0.33    3.26    8.2     -20.3   27.0    405     2.18
17.9    14.0    4.5     555     3.0     24.5
19.2
6896.5  5711.3  50330   154     0.29    3.06    9.5     -19.6
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23.9
4.0

6902.5  5717.3  50369   154     0.28    2.87    9.4     -19.7   24.8    418     1.59
29.4    13.8    3.8     555     2.1     39.1
18.3
6906.5  5721.3  50395   154     0.25    2.35    9.6     -20.0
30.0
3.4

6911.5  5726.3  50427   154     0.27    2.63    9.0     -19.9   23.5    376     1.12
36.0    13.1    3.4     491     1.5     47.1
17.1
6916.5  5731.3  50460   154     0.27    2.61    9.1     -19.8
23.9
3.4

6921.5  5736.3  50492   154     0.26    2.51    9.1     -19.9   22.8    356     1.79
32.2    12.5    3.3     461     2.3     41.7    16.2    5.93    2.58    232     0.44
3.92    4.2     6.0     3.0     5.4     2.1
6926.5  5741.3  50525   154     0.25    2.49    9.4     -19.7
21.9
3.2

6931.5  5746.3  50557   154     0.24    2.29    9.1     -19.9   24.4    329     1.31
19.5    10.7    3.0     435     1.7     25.8
14.1
6936.5  5751.3  50589   154     0.22    2.12    9.0     -20.1
36.9
3.4

6941.5  5756.3  50622   154     0.31    2.27    9.0     -20.1   32.3    297     1.53
15.1    10.0    3.3     438     2.3     22.3
14.7
6946.5  5761.3  50654   154     0.31    2.32    9.1     -19.9
33.3
3.5

6951.5  5766.3  50687   154     0.33    2.49    9.6     -19.6   30.4    259     1.43
17.9    11.2    3.6     372     2.1     25.7
16.0
6956.5  5771.3  50719   154     0.35    2.70    9.6     -19.7
33.6
4.1

6961.5  5776.3  50752   154     0.33    2.62    9.8     -20.1   37.3    351     1.65
15.3    9.4     4.2     560     2.6     24.3
15.1
6966.5  5781.3  50784   154     0.34    2.53    9.5     -20.2
34.5
3.9

6971.5  5786.3  50816   154     0.32    2.48    10.1    -20.0   29.2    274     1.70
15.2    9.2     3.5     387     2.4     21.5    13.0    4.95    2.14    232     0.43
4.70    5.0     5.5     3.4     3.1     1.9
6976.5  5791.3  50849   154     0.31    2.43    10.0    -19.9
36.2
3.8

6981.5  5796.3  50881   154     0.37    3.07    10.0    -19.8   23.5    376     1.60
22.6    13.7    4.0     492     2.1     29.6
17.9
6986.5  5801.3  50914   154     0.36    3.01    9.8     -19.5
25.5
4.0
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6991.5  5806.3  50946   154     0.34    2.74    9.7     -19.7   20.8    399     2.11
36.6    14.1    3.5     503     2.7     46.2
17.8
6996.5  5811.3  50979   154     0.34    2.84    9.6     -19.8
24.9
3.8

7001.5  5816.3  51011   154     0.35    2.76    9.5     -19.7   39.2    399     1.85
35.4    12.3    4.5     656     3.1     58.2
20.2
7006.5  5821.3  51044   154     0.32    2.51    9.4     -19.9
37.5
4.0

7011.5  5826.3  51076   154     0.34    2.74    9.8     -19.7   31.4    385     2.10
65.1    10.6    4.0     561     3.1     95.0
15.4
7016.5  5831.3  51108   154     0.35    3.04    11.6    -19.8
28.6
4.3

7021.5  5836.3  51141   154     0.34    2.87    10.6    -19.7   28.2    472     3.67
85.6    11.6    4.0     657     5.1     119.1   16.2    6.61    2.62    232     0.40
3.51    4.3     7.1     5.5     12.9    1.8
7026.5  5841.3  51173   154     0.35    2.97    10.5    -19.3
27.4
4.1

7031.5  5846.3  51206   154     0.36    3.05    10.6    -19.6   27.0    464     3.00
80.1    19.9    4.2     636     4.1     109.8
27.3
7036.5  5851.3  51238   154     0.34    2.78    10.4    -19.7
18.9
3.4

7041.5  5856.3  51271   154     0.33    2.65    10.3    -19.7   19.8    429     2.07
48.2    16.7    3.3     534     2.6     60.1
20.8
7046.5  5861.3  51303   154     0.32    2.60    10.3    -20.0
28.7
3.6

7055.5  5869.8  51358   154     0.33    2.56    10.4    -20.0   23.8    411     1.75
31.4    19.1    3.4     539     2.3     41.3
25.0
7061.5  5875.8  51397   154     0.36    2.94    10.8    -19.8
19.2
3.6

7066.5  5880.8  51430   154     0.32    2.66    10.9    -19.9   16.3    432     2.55
51.9    25.5    3.2     516     3.0     62.1
30.4
7071.5  5885.8  51462   154     0.33    2.66    11.0    -19.8
24.0                                    3.5                             5.77
2.59    232     0.45    4.02    4.6
7076.5  5890.8  51494   154     0.34    2.76    11.2    -20.0   23.7    381     2.86
54.0    18.2    3.6     500     3.7     70.8
23.9                                                    6.6     5.0     9.4     3.2
7081.5  5895.8  51527   154     0.32    2.45    11.3    -20.3
23.6
3.2

7086.5  5900.8  51559   154     0.36    2.88    11.1    -19.6   23.4    400     3.05
35.7    18.3    3.8     522     4.0     46.6
23.8
7091.5  5905.8  51592   154     0.33    2.60    11.4    -19.8
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28.9
3.7

7096.5  5910.8  51624   154     0.32    2.47    10.9    -20.3   29.5    366     1.49
29.9    17.5    3.5     520     2.1     42.4
24.9
7101.5  5915.8  51657   154     0.30    2.16    11.1    -20.2
29.5
3.1

7106.5  5920.8  51689   154     0.31    2.36    10.8    -19.9   30.5    355     3.85
17.3    15.1    3.4     511     5.5     24.9
21.8
7111.5  5925.8  51722   154     0.32    2.33    10.4    -20.4
34.6
3.6

7116.5  5930.8  51754   154     0.32    2.49    10.6    -20.1   24.2    312     2.24
22.9    14.5    3.3     411     3.0     30.2
19.1
7121.5  5935.8  51786   154     0.31    2.38    10.3    -20.1
23.5                                    3.1                             5.27
2.25    232     0.43    4.41    4.5
7126.5  5940.8  51819   154     0.31    2.51    9.8     -20.0   22.8    295     2.13
16.4    11.9    3.3     382     2.8     21.3
15.4                                                    5.6     4.0     3.1     2.3
7131.5  5945.8  51851   154     0.32    2.36    10.3    -20.2
28.2
3.3

7136.5  5950.8  51884   154     0.32    2.54    10.3    -20.0   31.8    338     1.81
18.7    13.0    3.7     496     2.7     27.5
19.1
7141.5  5955.8  51916   154     0.32    2.56    10.2    -20.0
31.5
3.7

7146.5  5960.8  51949   154     0.34    2.89    10.5    -19.5   26.2    337     1.76
28.3    15.2    3.9     456     2.4     38.3
20.6
7151.5  5965.8  51981   154     0.31    2.41    10.0    -20.1
28.6
3.4

7156.5  5970.8  52013   154     0.31    2.36    9.9     -20.1   27.1    278     1.87
15.1    10.5    3.2     381     2.6     20.7
14.4
7159.5  5973.8  52033   154     0.33    2.52    10.0    -20.2
28.1
3.5

7162.5  5976.8  52052   154     0.31    2.34    9.8     -19.9   30.4    271     1.67
14.8    9.5     3.4     389     2.4     21.3
13.6
7166.5  5980.8  52078   154     0.34    2.71    10.0    -19.8
30.0
3.9

7171.5  5985.8  52111   154     0.33    2.54    9.8     -20.0   26.3    347     1.33
16.6    12.0    3.4     470     1.8     22.5    16.3    5.38    2.39    232     0.44
4.32    4.7     6.4     2.5     3.1     2.2
7176.5  5990.8  52143   154     0.34    2.66    10.0    -20.0
33.5
4.0

7181.5  5995.8  52176   154     0.30    2.36    10.0    -20.2   33.8    253     1.62
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16.0    6.3     3.6     382     2.5     24.1
9.5
7191.5  6005.8  52241   154                                             317     1.63
14.6
7.9

7196.5  6010.8  52273   154     0.31    2.43    9.6     -19.9
26.5
3.3

7204.5  6018.8  52325   154     0.32    2.66    9.6     -19.8   22.6    365     1.60
23.6    10.8    3.4     472     2.1     30.5
13.9
7210.5  6024.8  52364   154     0.34    2.77    9.5     -19.2
24.6
3.7

7214.5  6028.8  52390   154     0.29    2.25    9.7     -20.1   28.4    254     1.44
13.4    8.6     3.1     354     2.0     18.7
12.0
7215.5  6029.8  52396   154     0.31    2.31    9.8     -20.0
31.6
3.4

7226.5  6040.8  52468   154                                             386     1.51
18.4    8.8             386     1.5     18.4
8.8                                             7.2     2.8     3.4     1.6
7228.5  6042.8  52481
154
                        5.36    2.29    155     0.43
2.89
7231.5  6045.8  52500   154     0.31    2.40    9.7     -19.9
24.6
3.2
4.5
7236.5  6050.8  52551   97      0.29    2.34    10.2    -19.5   23.8    323     1.55
15.2    10.9    3.1     425     2.0     20.0
14.3
7246.5  6060.8  52654   97      0.31    2.64    9.1     -19.2   25.4    277     1.83
19.3    9.0     3.5     372     2.4     25.9
12.0
7251.5  6065.8  52705   97      0.31    2.30    10.1    -20.0
26.8
3.1

7256.5  6070.8  52757   97                                              345     1.65
16.6
7.2

7266.5  6080.8  52860   97      0.29    2.34    9.1     -19.3   28.3    296     1.51
14.8    9.0     3.3     413     2.1     20.6
12.6
7271.5  6085.8  52911   97      0.30    2.45    9.2     -19.5
25.9                                    3.3                             5.24
2.23    232     0.43    4.43    4.7
7276.5  6090.8  52962   97      0.30    2.46    9.2     -19.8   30.1    308     1.93
16.4    8.3     3.5     441     2.8     23.4
11.8                                            5.9     3.7     3.1     1.6
7281.5  6095.8  53014   97      0.29    2.07    9.5     -19.7
31.6
3.0

7286.5  6100.8  53065   97      0.28    2.12    9.6     -19.7   31.2    269     1.22
15.5    8.5     3.1     391     1.8     22.5
12.4
7291.5  6105.8  53116   97      0.28    2.16    10.0    -19.9
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24.5
2.9

7296.5  6110.8  53168   97      0.27    2.24    10.1    -19.6   21.4    284     1.53
21.5    10.6    2.9     361     1.9     27.4
13.5
7301.5  6115.8  53219   97      0.28    2.24    10.0    -19.8
29.1
3.2

7306.5  6120.8  53271   97      0.26    2.13    9.8     -20.4   18.3    416     2.05
41.0    11.5    2.6     509     2.5     50.2
14.0
7311.5  6125.8  53322   97      0.26    1.97    9.7     -19.8
18.7
2.4

7316.5  6130.8  53373   97      0.29    2.23    9.9     -19.4   20.0    368     2.45
58.6    10.3    2.8     459     3.1     73.2
12.8                                            5.9     3.9     9.4     1.6
7319.5  6133.8  53404   97      0.29    2.26    9.7     -19.6
20.9
2.9
3.6
7320.5  6134.8  53414
97
                        6.23    2.74    232     0.44
3.73
7329.5  6139.8  53466   97      0.30    2.35    10.2    -19.8   22.4    390     2.92
68.9    13.7    3.0     502     3.8     88.8
17.6
7334.5  6144.8  53517   97      0.29    2.42    10.3    -19.9
25.4
3.2

7341.5  6151.8  53589   97      0.30    2.46    10.4    -19.6   19.1    390     2.85
59.8    18.2    3.0     482     3.5     73.9
22.5
7346.5  6156.8  53640   97      0.32    2.52    11.0    -19.8
23.9
3.3

7352.5  6162.8  53702   97      0.31    2.45    10.7    -20.0   25.2    399     3.27
72.4    19.6    3.3     533     4.4     96.8
26.2
7356.5  6166.8  53743   97      0.30    2.51    10.6    -19.9
22.7
3.2

7361.5  6171.8  53795   97      0.30    2.34    10.7    -20.0   22.4    458     2.75
47.1    16.0    3.0     591     3.5     60.8
20.6
7366.5  6176.8  53846   97      0.32    2.36    10.7    -19.9
25.7
3.2

7371.5  6181.8  53897   97      0.31    2.42    10.8    -19.8   22.1    456     2.43
48.7    19.5    3.1     585     3.1     62.4    25.1    6.00    2.62    232     0.44
3.87    4.0     7.6     4.0     8.1     3.3
7376.5  6186.8  53949   97      0.31    2.27    11.0    -19.9
20.8
2.9

7381.5  6191.8  54000   97      0.30    2.26    10.9    -20.0   17.3    382     1.99
41.6    21.1    2.7     462     2.4     50.3
25.5
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7386.5  6196.8  54051   97      0.31    2.34    10.8    -19.6
17.2
2.8

7391.5  6201.8  54103   97      0.29    2.31    10.5    -19.9   13.6    449     2.80
52.5    16.1    2.7     520     3.2     60.8
18.6
7401.5  6211.8  54205   97                                              425     2.12
54.3
20.3

7406.5  6216.8  54257   97      0.32    2.35    10.4    -19.3
16.2
2.8

7411.5  6221.8  54308   97      0.29    2.26    10.5    -19.8           451     3.32
79.1
17.0

7416.5  6226.8  54360   97      0.30    2.29    11.0    -19.7
13.3
2.6

7421.5  6231.8  54411   97      0.30    2.34    10.4    -19.5   13.6    426     2.50
53.8    15.9    2.7     493     2.9     62.2    18.4    6.39    2.83    232     0.44
3.64    3.7     6.7     3.9     8.4     2.5
7426.5  6236.8  54462   97      0.33    2.41    10.0    -19.9
18.4
3.0

7430.5  6240.8  54503   97      0.32    2.36    10.5    -19.9   25.4    436     2.80
51.1    14.8    3.2     584     3.8     68.6
19.8
7433.5  6243.8  54534   97      0.30    2.24    10.1    -19.9
24.5
3.0

7435.5  6245.8  54555   97      0.33    2.57    11.1    -19.5   17.8    382     2.16
38.6    26.1    3.1     465     2.6     47.0
31.8
7441.5  6251.8  54616   97      0.30    2.14    10.2    -19.6
20.5
2.7

7446.5  6256.8  54668   97      0.32    2.55    11.0    -19.2   12.1    413     2.70
45.7    15.3    2.9     470     3.1     52.0
17.4
```